

## **APPENDIX C AESO PIP**

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## Transmission Enhancements in the West Edmonton Area

### Participant Involvement Program Summary

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#### 1.0 Introduction

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 (NID), 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 September 2016 to September 2018, the AESO conducted a PIP to assist in preparing its *Transmission Enhancements in the West Edmonton Area*. The AESO directed the TFO, in this case EPCOR Distribution & Transmission Inc. (EDTI), to assist the AESO in providing notification as part of the AESO's PIP.

#### 2.0 Stakeholder Notification

The Stakeholder notification included two distinct rounds of notification. Round 1 occurred between September 2016 and May 2017. Round 2 occurred between December 2017 and August 2018.

##### 2.1 Round 1 (September 2016 to May 2017)

For the Round 1 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/need-for-the-west-edmonton-transmission-upgrade-project-in-the-city-of-edmonton> and a notice was published in the AESO Stakeholder Newsletter on September 29, 2016. 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 each of the TFOs' project-specific information packages that were distributed to Stakeholders between September 27, 2016 to May 24, 2017, as more fully described below.

EDTI's Round 1 project newsletters included the AESO's contact information, a description of the AESO's role, a reference to the AESO's Need Overview, and an invitation to contact the TFO or the AESO for additional information.

### **2.1.1 Stakeholders Notified in EDTI's PIP**

EDTI has advised the AESO that its Round 1 PIP was separated into two components, based on the geographic location of the proposed transmission developments:

1. WETUP PIP
2. Garneau PIP

#### **2.1.1.1 WETUP PIP**

EDTI advised the AESO that its WETUP PIP notification was in accordance with the Commission's recommendation for notification for the type of facility application identified by EDTI.<sup>1</sup>

EDTI held two open houses for the WETUP PIP in the City of Edmonton on October 18 and 19, 2016. The open houses were attended by approximately 60 Stakeholders. Copies of the AESO Need Overview were available at the open house.

In total, EDTI identified approximately 1141 Stakeholders that were notified during its WETUP PIP activities, of which 721 were classified by EDTI as private landowners. The other 420 Stakeholders and EDTI's rationale for their inclusion in the PIP are listed in Attachment 3.

EDTI's Round 1 WETUP notification consisted of a project-specific information package that included EDTI's project-specific newsletter (September 2016, Attachment 4) and the AESO Need Overview and was distributed between September 27, 2016 and May 24, 2017.

EDTI distributed its Round 1 WETUP project-specific information package as follows:

- 992 copies via addressed mail

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<sup>1</sup> EDTI has identified its facility application to be of the type: *Overhead or underground transmission line and/or new substation development and/or substation upgrades and/or minor transmission line replacements within the original right-of-way – urban*, as categorized in AUC Rule 007, Appendix A1, Section 5.

- 14,187 copies via postal code drop<sup>2</sup>

EDTI's Round 1 WETUP project-specific information package was also posted on EDTI's project-specific webpage on September 27, 2016 at <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/west-edmonton-transmission-upgrade-project.aspx>

### 2.1.1.2 Garneau PIP

EDTI advised the AESO that its Garneau PIP notification was in accordance with the Commission's recommendation for notification for the type of facility application identified by EDTI.<sup>3</sup>

EDTI held an open house for the Garneau PIP in the City of Edmonton on February 17, 2017. The open house was attended by one Stakeholder. Copies of the AESO Need Overview were available at the open house.

In total, EDTI identified approximately 49 Stakeholders that were notified during its Garneau PIP activities, of which 38 were classified by EDTI as private landowners. The other 11 Stakeholders and EDTI's rationale for their inclusion in the PIP are listed in Table 1.

**Table 1: Garneau PIP- Summary of Notified Stakeholders**

Stakeholder	Stakeholder Type	Rationale for Inclusion in PIP
Garneau Community League	Community Organization/ Association	Directly adjacent to project substation
Henderson, Ben	Municipal / Civic Government	Directly adjacent to project substation
Notley, Rachel	Provincial / Regional Government	Directly adjacent to project substation
3414493 Canada Inc.	Landowner	Directly adjacent to project substation
697989 Alberta Ltd.	Landowner	Directly adjacent to project substation
Adam Dental Clinic Ltd	Landowner	Directly adjacent to project substation
Albari Holdings Ltd.	Landowner	Directly adjacent to project substation
Condominium Corporation N0. 0225211	Landowner	Directly adjacent to project substation
Garneau United Assisted Living Place	Landowner	Directly adjacent to project substation

<sup>2</sup> EDTI indicated that there may be overlap between the Stakeholders that received the Round 1 WETUP project-specific information package through addressed mail and the Stakeholders that received the Round 1 WETUP project-specific information package through a postal code drop.

<sup>3</sup> EDTI has identified its facility application to be of the type: *Overhead or underground transmission line and/or new substation upgrades and/or minor transmission line replacements within the original right-of-way – urban*, as categorized in AUC Rule 007, Appendix A1, Section 5.

Stakeholder	Stakeholder Type	Rationale for Inclusion in PIP
Har-par Investments Ltd.	Landowner	Directly adjacent to project substation
The Galen Residences Inc.	Landowner	Directly adjacent to project substation

EDTI's Round 1 Garneau notification consisted of a project-specific information package that included EDTI's project-specific newsletter (January 2017, Attachment 5) and the AESO Need Overview and was distributed between January 23, 2017 and March 7, 2017.

EDTI distributed its Round 1 Garneau project-specific information package as follows:

- 52 copies via addressed mail
- 3,449 copies via postal code drop<sup>4</sup>

EDTI's Round 1 Garneau project-specific information package was also posted on EDTI's project-specific webpage on January 26, 2017 at <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/garneau-substationupgrades.aspx>

## 2.2 Round 2 (December 2017 to August 2018)

For the Round 2 Stakeholder notification, the AESO developed a one-page AESO Need Overview Update document that notified Stakeholders of a revision to the scope of the AESO's preferred option to respond to the system access service request, and the date that the AESO intends to apply to the AUC for approval of the need. It also 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 Commission for approval of the need.

A copy of the Need Overview Update was posted to the AESO website at <https://www.aeso.ca/grid/projects/need-for-the-west-edmonton-transmission-upgrade-project-in-the-city-of-edmonton/> on December 6, 2017 and a notice was published in the AESO Stakeholder Newsletter on December 7, 2017. Copies of the Need Overview Update posting and the AESO Stakeholder Newsletter notice have been included as Attachments 6 and 7,

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<sup>4</sup> EDTI indicated that there may be overlap between the Stakeholders that received the Round 1 WETUP project-specific information package through addressed mail and the Stakeholders that received the Round 1 WETUP project-specific information package through a postal code drop.

respectively. The Need Overview Update was also included with EDTI's Round 2 project-specific information packages that were distributed to Stakeholders between December 8, 2017 and August 8, 2018, as more fully described below.

EDTI's Round 2 project newsletters included the AESO's contact information, a description of the AESO's role, a reference to the AESO's Need Overview Update, and an invitation to contact the TFO or the AESO for additional information.

### **2.2.1 Stakeholders Notified in EDTI's PIP**

EDTI has advised the AESO that, similar to its Round 1 PIP, its round 2 PIP was separated into two components, based on the geographic location of the proposed transmission developments:

1. WETUP PIP
2. Garneau PIP

#### **2.2.1.1 WETUP PIP**

EDTI's Round 2 WETUP notification consisted of a project-specific information package that included EDTI's project-specific newsletter (December 2017, Attachment 8) and the AESO Need Overview Update and was distributed between December 8, 2017 and August 8, 2018.

EDTI distributed its Round 2 WETUP project-specific information package as follows:

- 900 copies via addressed mail
- 15,392 copies via postal code drop<sup>5</sup>
- Approximately 60 copies at the Lynwood Community League meeting

EDTI's Round 2 WETUP project-specific information package was also posted on EDTI's project-specific webpage on December 8, 2017 at <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/west-edmonton-transmission-upgrade-project.aspx>

#### **2.2.1.2 Garneau PIP**

EDTI's Round 2 Garneau notification consisted of a project-specific information package that included EDTI's project-specific newsletter (December 8, 2017, Attachment 9) and the AESO Need Overview Update and was distributed between December 8, 2017 and August 7, 2018.

EDTI distributed its Round 2 Garneau project-specific information package as follows:

- 50 copies via addressed mail
- 3,337 copies via postal code drop<sup>6</sup>

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<sup>5</sup> EDTI indicated that there may be overlap between the Stakeholders that received the Round 1 WETUP project-specific information package through addressed mail and the Stakeholders that received the Round 1 WETUP project-specific information package through a postal code drop.

EDTI's Round 2 Garneau project-specific information package was also posted on EDTI's project-specific webpage on December 8, 2017 <https://www.epcor.com/products-services/infrastructure/construction-projects/Pages/garneau-substationupgrades.aspx>

### **3.0 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/transmission-enhancements-in-the-west-edmonton-area/> and a publishing notice in the AESO Stakeholder Newsletter on September 13, 2018. Copies of the Notification of NID Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 10 and 11, respectively.

### **4.0 Responding to Questions and Concerns**

To ensure that Stakeholders had the opportunity to provide feedback, the AESO provided Stakeholders with the 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 and the AESO Need Overview Update included this contact information, along with the AESO's mailing address (2500, 330 5th 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, EDTI prepared to direct any Stakeholder questions addressed to the AESO, or questions regarding the AESO Need Overview or the AESO Need Overview Update, to the AESO.

### **5.0 Concerns and Objections Raised**

During EDTI's PIP activities, four Stakeholders raised questions or concerns to a representative of EDTI regarding the need for the Project. Two Stakeholders declined to consent to share their personal information with the AESO, and were directed to contact the AESO directly by EDTI. EDTI obtained consent from two Stakeholders to share their personal information with the AESO for the purpose of referring their questions and concerns to the AESO. The AESO contacted both Stakeholders directly. The AESO responded to the Stakeholders with information about the regulatory process, the AESO's and EDTI's roles and responsibilities, a description of the need for the Project, a description of the proposed transmission development and an offer to speak directly with a representative of the AESO to discuss any outstanding questions or concerns.

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<sup>6</sup> EDTI indicated that there may be overlap between the Stakeholders that received the Round 1 WETUP project-specific information package through addressed mail and the Stakeholders that received the Round 1 WETUP project-specific information package through a postal code drop.

During the PIP, seven additional Stakeholders (five private individuals and two organizations) raised questions or concerns to the AESO directly. The questions and concerns raised included the need for the proposed transmission development, routing and siting, electro-magnetic fields, safety, overhead versus underground infrastructure, the construction schedule, visual impacts, the PIP schedule and process, AESO's role and responsibilities, and the regulatory review schedule and process.

The AESO responded to these Stakeholders by providing a brief description of the roles and responsibilities of the AESO, the Commission, and EDTI, providing links to pertinent information available on the AESO, Commission and EDTI websites. The AESO also provided contact information for EDTI and the Commission, if Stakeholders raised concerns within their respective areas of responsibility. In all cases, the AESO encouraged Stakeholders to contact the AESO directly with any outstanding questions or concerns.

Apart from the inquiries identified above, EDTI has advised that Stakeholders have not identified any further concerns or objections regarding the AESO's preferred option to respond to the system access service request or the need for development. Further, apart from the inquiries described above, 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.



## 6.0 List of Attachments

- Attachment 1 – AESO Need Overview (September 2016)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (September 29, 2016)
- Attachment 3 – EDTI's WETUP Stakeholder List (July 23, 2018)
- Attachment 4 – EDTI's Round 1 Project Newsletter – *West Edmonton Transmission Upgrade Project* (September 2016)
- Attachment 5 – EDTI's Round 1 Project Newsletter – Upgrades to the Garneau Substation (January 2017)
- Attachment 6 – AESO Need Overview Update (December, 2017)
- Attachment 7 – AESO Stakeholder Newsletter Need Overview Update Notice (December 7, 2017)
- Attachment 8 – EDTI's Round 2 Project Newsletter – *West Edmonton Transmission Upgrade Project Update* (December 2017)
- Attachment 9 – EDTI's Round 2 Project Newsletter – *Upgrades to the Garneau Substation Project Update* (December 2017)
- Attachment 10 – AESO Notification of NID Filing (September 2018)
- Attachment 11 – AESO Stakeholder Newsletter NID Filing Notice (September 13, 2018)

**Attachment 1 – AESO Need Overview (September 2016)**

# Need for the West Edmonton Transmission Upgrade Project in the City of Edmonton



## FAST FACT

**Alberta's electric transmission system** comprises the towers, wires and related equipment that are a part of moving electricity from where it is generated to where it is used.

*EPCOR Distribution and Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the power system in the Edmonton area. EPCOR's request can be met by the following solution:*

### > PROPOSED SOLUTION

- Add approximately 11 kilometres of 72 kilovolt (kV) transmission line from the Poundmaker substation to the Meadowlark substation
- Upgrade the existing Poundmaker substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated equipment
- Modify the existing Meadowlark substation, including adding one 72 kV circuit breaker and associated equipment
- Upgrade the existing Garneau substation, including replacing three existing 72/14.4 kV transformers with three 72/14.4 kV transformers of higher capacity

### > NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in early 2017.
- The AESO's needs identification document (NID) application will be available on the AESO's website at [www.aeso.ca/nid](http://www.aeso.ca/nid) 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

### > EPCOR:

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

### > CONTACT US


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.

**Alberta Electric System Operator  
Marina Lakhani**

*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  
Fax: 403-539-2949

[www.aeso.ca](http://www.aeso.ca)  
[www.poweringalberta.ca](http://www.poweringalberta.ca)  
 @theaeso

### > WHO IS THE AESO?

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

**Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice  
(September 29, 2016)**

# AESO Stakeholder Newsletter

## ➤ TRANSMISSION

### **Need for the West Edmonton Transmission Upgrade Project in the City of Edmonton**

EPCOR Distribution and Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the power system in the Edmonton area. EPCOR's request can be met by the following solution:

- Add approximately 11 kilometres of 72 kilovolt (kV) transmission line from the Poundmaker substation to the Meadowlark substation
- Upgrade the existing Poundmaker substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated equipment
- Modify the existing Meadowlark substation, including adding one 72 kV circuit breaker and associated equipment
- Upgrade the existing Garneau substation, including replacing three existing 72/14.4 kV transformers with three 72/14.4 kV transformers of higher capacity

The AESO has posted a Need Overview for this project on its website. Please click [here](#) to view the document or visit the AESO website at [www.aeso.ca](http://www.aeso.ca) and follow the path Grid > Projects.

**Attachment 3 – EDTI’s WETUP Stakeholder List (July 23, 2018)**

<b>Stakeholder</b>	<b>Stakeholder Type</b>	<b>Rationale for Inclusion in PIP</b>
@ Key Tech 2005 Ltd	Occupant	Directly adjacent to project substation or proposed route
1045914 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1161977 Alberta Ltd	Occupant	Directly adjacent to project substation or proposed route
1175609 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1194038 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
120500 Alberta Ltd	Occupant	Directly adjacent to project substation or proposed route
1210591 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1245856 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1316423 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1443028 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1451945 Ontario Limited	Landowner	Directly adjacent to project substation or proposed route
1516896 Alberta Ltd	Occupant	Directly adjacent to project substation or proposed route
1563688 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1577474 Alberta Ltd.	Encumbrance Holder	Directly adjacent to project substation or proposed route
1617312 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1685611 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1760416 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1784777 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
1945136 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
20th Century Contracting Ltd	Occupant	Directly adjacent to project substation or proposed route
3301669 Nova Scotia Company	Landowner	Directly adjacent to project substation or proposed route
400893 Alberta Ltd	Occupant	Directly adjacent to project substation or proposed route
419039 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
513303 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
581243 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
594194 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
697665 Alberta Inc	Occupant	Directly adjacent to project substation or proposed route
763129 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
766325 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
771077 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
795272 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
809146 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
825546 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
914000 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
967005 Alberta Ltd.	Landowner	Directly adjacent to project substation or proposed route
A & E Insurance Ltd	Occupant	Directly adjacent to project substation or proposed route
A and J Driving School Ltd	Occupant	Directly adjacent to project substation or proposed route
A. Oskin Professional Corporation	Landowner	Directly adjacent to project substation or proposed route
A.U.P.E. Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
Abell Pest Control	Occupant	Directly adjacent to project substation or proposed route
ABS Origins Inc	Occupant	Directly adjacent to project substation or proposed route
ACC Construction	Occupant	Directly adjacent to project substation or proposed route
Accurate Networking Services Inc	Occupant	Directly adjacent to project substation or proposed route
Alair Homes Edmonton Ltd	Occupant	Directly adjacent to project substation or proposed route
Albari Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
Alberta Environment and Parks	Provincial / Regional Government	Directly adjacent to project substation or proposed route
Alberta Health Services	Landowner	Directly adjacent to project substation or proposed route
Alberta Momentum Message Therapy- West	Occupant	Directly adjacent to project substation or proposed route
Alberta Motor Association	Occupant	Directly adjacent to project substation or proposed route
Alcor Facilities Management Inc	Occupant	Directly adjacent to project substation or proposed route
Aldergrove Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
All West Laundry Equipment Ltd	Occupant	Directly adjacent to project substation or proposed route
Allegion	Occupant	Directly adjacent to project substation or proposed route
Alpha Adroit	Occupant	Directly adjacent to project substation or proposed route
Alpine Building Maintenance Inc	Occupant	Directly adjacent to project substation or proposed route
Alta-Tech Technical Services Ltd	Occupant	Directly adjacent to project substation or proposed route
Altus Geomatics	Occupant	Directly adjacent to project substation or proposed route
AM Agency	Occupant	Directly adjacent to project substation or proposed route
AM PM Service	Occupant	Directly adjacent to project substation or proposed route
AM/FM	Occupant	Directly adjacent to project substation or proposed route
AMCAN Bearing Inc	Occupant	Directly adjacent to project substation or proposed route
AMP Electric Ltd	Occupant	Directly adjacent to project substation or proposed route
Ann Arbour Consultant Inc	Occupant	Directly adjacent to project substation or proposed route
APP & Associates LLP	Occupant	Directly adjacent to project substation or proposed route
ASETS	Occupant	Directly adjacent to project substation or proposed route
Asyma Systems Ltd	Occupant	Directly adjacent to project substation or proposed route
ATB Financial	Occupant	Directly adjacent to project substation or proposed route
ATCO Gas And Pipelines Ltd.	Landowner	Directly adjacent to project substation or proposed route
Audi Edmonton North	Occupant	Directly adjacent to project substation or proposed route
Aurinia Pharmaceuticals Inc	Occupant	Directly adjacent to project substation or proposed route
Avenue Empire G.P. Corp.	Landowner	Directly adjacent to project substation or proposed route
AW NRG Insulation Services	Occupant	Directly adjacent to project substation or proposed route

<b>Stakeholder</b>	<b>Stakeholder Type</b>	<b>Rationale for Inclusion in PIP</b>
Babcock & Wilcox Canada Ltd.	Occupant	Directly adjacent to project substation or proposed route
Badass Jack's	Occupant	Directly adjacent to project substation or proposed route
Bajwa Holding Ltd.	Landowner	Directly adjacent to project substation or proposed route
Bao Chi Chinese Herbal Centre (1998) Ltd.	Landowner	Directly adjacent to project substation or proposed route
Best Buy Canada Ltd	Occupant	Directly adjacent to project substation or proposed route
Beulah Alliance Church	General Public / Other Stakeholder	Requested project information from EDTI
Billmore Properties Corporation	Landowner	Directly adjacent to project substation or proposed route
BK Prime Alberta I GP Inc.	Landowner	Directly adjacent to project substation or proposed route
Black Dog Developments Inc.	Landowner	Directly adjacent to project substation or proposed route
Blackball	Occupant	Directly adjacent to project substation or proposed route
Blackwood Partners	Occupant	Directly adjacent to project substation or proposed route
BMO Financial Group	Occupant	Directly adjacent to project substation or proposed route
Boardwalk Reit Properties Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
Bouclair	Occupant	Directly adjacent to project substation or proposed route
Box Cars And One Eyed Jacks	Occupant	Directly adjacent to project substation or proposed route
Brojam Construction & Maintenance Ltd	Occupant	Directly adjacent to project substation or proposed route
Burger King	Occupant	Directly adjacent to project substation or proposed route
C170 Properties Inc.	Landowner	Directly adjacent to project substation or proposed route
Canadian Tire Corporation Limited	Occupant	Directly adjacent to project substation or proposed route
CAP-IT Edmonton West	Occupant	Directly adjacent to project substation or proposed route
Capital Power GP Holdings Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Careers the Next Generation	Occupant	Directly adjacent to project substation or proposed route
Carl's Jr.	Occupant	Directly adjacent to project substation or proposed route
Carson, Jon	Provincial / Regional Government	Directly adjacent to project substation or proposed route
Carter's	Occupant	Directly adjacent to project substation or proposed route
Cash Money	Occupant	Directly adjacent to project substation or proposed route
CB Engineering Ltd	Occupant	Directly adjacent to project substation or proposed route
CDI College	Occupant	Directly adjacent to project substation or proposed route
CHA For TEA Palace	Occupant	Directly adjacent to project substation or proposed route
Chantelle Management Ltd.	Landowner	Directly adjacent to project substation or proposed route
Chapters Inc	Occupant	Directly adjacent to project substation or proposed route
Chatters Hair Salon	Occupant	Directly adjacent to project substation or proposed route
Chic Chic Readymades	Occupant	Directly adjacent to project substation or proposed route
Childrens Ability Fund	Occupant	Directly adjacent to project substation or proposed route
Choice Properties	General Public / Other Stakeholder	Requested project information from EDTI
Chops Steakhouse and Bar	Occupant	Directly adjacent to project substation or proposed route
Christina Holdings LTD	Occupant	Directly adjacent to project substation or proposed route
CIBC Securities Inc.	Occupant	Directly adjacent to project substation or proposed route
Circ / Delta Sleep Fatigue Management	Occupant	Directly adjacent to project substation or proposed route
City of Edmonton	Municipal / Civic Government	Directly adjacent to project substation or proposed route
CLS Peterson Land Consulting Ltd	Occupant	Directly adjacent to project substation or proposed route
Coast Wholesale Appliances LP	Occupant	Directly adjacent to project substation or proposed route
Colliers	Occupant	Directly adjacent to project substation or proposed route
Community Corrections	Occupant	Directly adjacent to project substation or proposed route
Complete Bookkeeping Solutions	Occupant	Directly adjacent to project substation or proposed route
Condominium Plan No. 8121905	Landowner	Directly adjacent to project substation or proposed route
Cornerstone Insurance Brokers Ltd	Occupant	Directly adjacent to project substation or proposed route
Covenant Christian Reformed Church Of	Landowner	Directly adjacent to project substation or proposed route
Covenant Health	Occupant	Directly adjacent to project substation or proposed route
Cp Reit Alberta Properties Limited	Landowner	Directly adjacent to project substation or proposed route
CPAP Solutions Inc	Occupant	Directly adjacent to project substation or proposed route
CrossFit Armoury	Occupant	Directly adjacent to project substation or proposed route
Crossman Automation	Occupant	Directly adjacent to project substation or proposed route
Crude Quality Inc	Occupant	Directly adjacent to project substation or proposed route
CTR Refrigeration And Food Store Equipment	Occupant	Directly adjacent to project substation or proposed route
CTV Television Inc.	Landowner	Directly adjacent to project substation or proposed route
CVL Engineers	Occupant	Directly adjacent to project substation or proposed route
CWS Industries (Mfg) Corp.	Occupant	Directly adjacent to project substation or proposed route
Cyril S. Gurevitch Professional Corporation	Landowner	Directly adjacent to project substation or proposed route
D. L. Boisvert Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
Dan Developments Ltd.	Landowner	Directly adjacent to project substation or proposed route
Delta Square Developments Ltd.	Landowner	Directly adjacent to project substation or proposed route
Demko Ventilation Services Ltd	Occupant	Directly adjacent to project substation or proposed route
Denny Andrews Ford Sales Inc.	Occupant	Directly adjacent to project substation or proposed route
Denny's Restaurant	Occupant	Directly adjacent to project substation or proposed route
Denny's Used Super Centre	Occupant	Directly adjacent to project substation or proposed route
Dental Choice	Occupant	Directly adjacent to project substation or proposed route
Depot 170 Edmonton Ltd.	Landowner	Directly adjacent to project substation or proposed route
Devanodi Properties Inc.	Landowner	Directly adjacent to project substation or proposed route
DKR Hotel Ventures Inc.	Landowner	Directly adjacent to project substation or proposed route
DND Energy Inc.	Occupant	Directly adjacent to project substation or proposed route
DOMCOR / Safety Net Security	Occupant	Directly adjacent to project substation or proposed route



<b>Stakeholder</b>	<b>Stakeholder Type</b>	<b>Rationale for Inclusion in PIP</b>
Domo Gasoline Corporation Ltd	Occupant	Directly adjacent to project substation or proposed route
DPM	Occupant	Directly adjacent to project substation or proposed route
Ducor Development Corporation	Landowner	Directly adjacent to project substation or proposed route
Earls	Occupant	Directly adjacent to project substation or proposed route
EC Wine & Spirits	Occupant	Directly adjacent to project substation or proposed route
Edo Japan	Occupant	Directly adjacent to project substation or proposed route
EDO JAPAN	Occupant	Directly adjacent to project substation or proposed route
Edsask Properties Ltd.	Landowner	Directly adjacent to project substation or proposed route
Electronics Boutique Canada Inc	Occupant	Directly adjacent to project substation or proposed route
Elmwood Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
Enviromak Inc	Occupant	Directly adjacent to project substation or proposed route
Enviromatics Group Ltd	Occupant	Directly adjacent to project substation or proposed route
EPCOR Water Services Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Estate Brewing Company	Occupant	Directly adjacent to project substation or proposed route
Express Gold	Occupant	Directly adjacent to project substation or proposed route
Fabricland	Occupant	Directly adjacent to project substation or proposed route
Faristone Financial	Occupant	Directly adjacent to project substation or proposed route
First Choice Orthotics Ltd	Occupant	Directly adjacent to project substation or proposed route
Flaro And Associates Ltd	Occupant	Directly adjacent to project substation or proposed route
Fleet FX Graphics Inc	Occupant	Directly adjacent to project substation or proposed route
Floor Experts Inc	Occupant	Directly adjacent to project substation or proposed route
Focus Hospitality Management Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Formative Health Food Products Ltd	Occupant	Directly adjacent to project substation or proposed route
Fresh Zone Ltd	Occupant	Directly adjacent to project substation or proposed route
Funky Petals	Occupant	Directly adjacent to project substation or proposed route
G & J Rentals Ltd.	Landowner	Directly adjacent to project substation or proposed route
Garage Optical Ltd	Occupant	Directly adjacent to project substation or proposed route
Gateway Association For Community Living	Occupant	Directly adjacent to project substation or proposed route
GC McBen Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
General Acrylic Construction Ltd	Occupant	Directly adjacent to project substation or proposed route
Genstar Development Company	Occupant	Directly adjacent to project substation or proposed route
Glenwood Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
Global Fire Rescue Service Inc	Occupant	Directly adjacent to project substation or proposed route
Gold Bar Developments Ltd.	Landowner	Directly adjacent to project substation or proposed route
Golf Town	Occupant	Directly adjacent to project substation or proposed route
Good Life Fitness Centre	Occupant	Directly adjacent to project substation or proposed route
GP Systems Ltd	Occupant	Directly adjacent to project substation or proposed route
Gpm (12) Gp Inc.	Landowner	Directly adjacent to project substation or proposed route
Great West Chrysler	Occupant	Directly adjacent to project substation or proposed route
Green Tea Buffet	Occupant	Directly adjacent to project substation or proposed route
Hama Investments (Alberta) Ltd.	Landowner	Directly adjacent to project substation or proposed route
Hardy Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
Harlund Industries Ltd	Occupant	Directly adjacent to project substation or proposed route
Hecto Holdings Ltd	Occupant	Directly adjacent to project substation or proposed route
Helix IT	Occupant	Directly adjacent to project substation or proposed route
Herbertco Projects Ltd.	Landowner	Directly adjacent to project substation or proposed route
High Grade Builders	Occupant	Directly adjacent to project substation or proposed route
Home Depot Holdings Inc.	Landowner	Directly adjacent to project substation or proposed route
Hoskin Scientific	Occupant	Directly adjacent to project substation or proposed route
Hudsons Bay	Occupant	Directly adjacent to project substation or proposed route
Imperial Deluxe Apartments Ltd.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Imperial Equities Inc.	Landowner	Directly adjacent to project substation or proposed route
Imperial Oil Limited	Encumbrance Holder	Directly adjacent to project substation or proposed route
In Home Physical Therapy & Massage	Occupant	Directly adjacent to project substation or proposed route
InnQuest Canada	Occupant	Directly adjacent to project substation or proposed route
Integr8 Property Ventures Inc.	Landowner	Directly adjacent to project substation or proposed route
International Association of Machinists and	Occupant	Directly adjacent to project substation or proposed route
IPC Investment Corporation	Occupant	Directly adjacent to project substation or proposed route
Iqos	Occupant	Directly adjacent to project substation or proposed route
IRIS THE VISUAL GROUP WESTERN	Occupant	Directly adjacent to project substation or proposed route
Island Cafe & Bistro	Occupant	Directly adjacent to project substation or proposed route
Italian Centre Shop West Ltd	Occupant	Directly adjacent to project substation or proposed route
JAN-PRO	Occupant	Directly adjacent to project substation or proposed route
JCB Global Services Inc.	Landowner	Directly adjacent to project substation or proposed route
JDC Psychological Services	Occupant	Directly adjacent to project substation or proposed route
JF Mitchell Developments Inc.	Landowner	Directly adjacent to project substation or proposed route
Jim Pattison Developments Ltd.	Landowner	Directly adjacent to project substation or proposed route
Jiwan & Company	Occupant	Directly adjacent to project substation or proposed route
Joe Martin & Sons/Geoblend Canada/Cougar	Occupant	Directly adjacent to project substation or proposed route
Johanson-Witt	Occupant	Directly adjacent to project substation or proposed route
Jumbo Dim Sum	Occupant	Directly adjacent to project substation or proposed route
Jump N' Play	Occupant	Directly adjacent to project substation or proposed route

Stakeholder	Stakeholder Type	Rationale for Inclusion in PIP
Keg Restaurants Ltd	Occupant	Directly adjacent to project substation or proposed route
Kirkland Homes	Occupant	Directly adjacent to project substation or proposed route
KKM Restaurants Ltd	Occupant	Directly adjacent to project substation or proposed route
Klass Investments Inc.	Landowner	Directly adjacent to project substation or proposed route
Klondike Cycle	Occupant	Directly adjacent to project substation or proposed route
Knack, Andrew	Municipal / Civic Government	Directly adjacent to project substation or proposed route
Knight & Company Appraisals Ltd	Occupant	Directly adjacent to project substation or proposed route
KSJ Engineering Ltd	Occupant	Directly adjacent to project substation or proposed route
L2 Fitness	Occupant	Directly adjacent to project substation or proposed route
L2 Fitness	Occupant	Directly adjacent to project substation or proposed route
La Perle Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
LAF Canada Company	Occupant	Directly adjacent to project substation or proposed route
Lam Technical Services Ltd	Occupant	Directly adjacent to project substation or proposed route
Laura	Occupant	Directly adjacent to project substation or proposed route
Laurier House Lynwood	Occupant	Directly adjacent to project substation or proposed route
Lazor Ray Interiors Ltd	Occupant	Directly adjacent to project substation or proposed route
Leddy Exploration Ltd.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Lighthouse Hospitality Management Inc	Occupant	Directly adjacent to project substation or proposed route
Liquor Stores GP INC	Occupant	Directly adjacent to project substation or proposed route
Litewave Communications Inc	Occupant	Directly adjacent to project substation or proposed route
Loblaw Properties West Inc	Occupant	Directly adjacent to project substation or proposed route
Lynnwood Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
Magnum York Property Management Ltd	Occupant	Directly adjacent to project substation or proposed route
Maid Pro	Occupant	Directly adjacent to project substation or proposed route
Mait USA Corporation	Occupant	Directly adjacent to project substation or proposed route
Mayfield Toyota	Occupant	Directly adjacent to project substation or proposed route
Mcdonald's	Occupant	Directly adjacent to project substation or proposed route
Meadowlark Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
Melcor Reit Gp Inc.	Landowner	Directly adjacent to project substation or proposed route
Metis Settlements Appeal Tribunal/Land	Occupant	Directly adjacent to project substation or proposed route
Metis Settlements General Council	Landowner	Directly adjacent to project substation or proposed route
Mic Properties Inc.	Landowner	Directly adjacent to project substation or proposed route
Mikado	Occupant	Directly adjacent to project substation or proposed route
Minister of Infrastructure	Provincial / Regional Government	Directly adjacent to project substation or proposed route
Ministry of Transportation	Provincial / Regional Government	Directly adjacent to project substation or proposed route
MiTek	Occupant	Directly adjacent to project substation or proposed route
Mojo Design Inc	Occupant	Directly adjacent to project substation or proposed route
Money Mentors	Occupant	Directly adjacent to project substation or proposed route
Moore's the Suit People Inc.	Occupant	Directly adjacent to project substation or proposed route
Mopac Auto Supply Ltd	Occupant	Directly adjacent to project substation or proposed route
Moxies Classic Grill	Occupant	Directly adjacent to project substation or proposed route
MRO Electronic Supply Ltd	Occupant	Directly adjacent to project substation or proposed route
NCR Canada Ltd	Occupant	Directly adjacent to project substation or proposed route
Neon Contractors Ltd	Encumbrance Holder	Directly adjacent to project substation or proposed route
Neotrol Controls Ltd	Occupant	Directly adjacent to project substation or proposed route
Norstar Industries	Occupant	Directly adjacent to project substation or proposed route
Northland Properties Corporation	Landowner	Directly adjacent to project substation or proposed route
Northland Surveyors	Occupant	Directly adjacent to project substation or proposed route
Northtech Windows & Doors	Occupant	Directly adjacent to project substation or proposed route
OML Construction Services Ltd	Occupant	Directly adjacent to project substation or proposed route
Oodle Noodle	Occupant	Directly adjacent to project substation or proposed route
OPA	Occupant	Directly adjacent to project substation or proposed route
Operating Engineers Local 955 Real Estate	Landowner	Directly adjacent to project substation or proposed route
Optiks International	Occupant	Directly adjacent to project substation or proposed route
Optimum Credit Recovery Inc	Occupant	Directly adjacent to project substation or proposed route
Oshry, Michael	Municipal / Civic Government	Directly adjacent to project substation or proposed route
Osprey Scientific Inc.	Occupant	Directly adjacent to project substation or proposed route
Panda Express Canada ULC	Occupant	Directly adjacent to project substation or proposed route
Paramount Plumbing & Heating Ltd.	Occupant	Directly adjacent to project substation or proposed route
Parkedwest Alberta Corporation	Occupant	Directly adjacent to project substation or proposed route
Parkland Electrical Contractors Ltd.	Occupant	Directly adjacent to project substation or proposed route
Part Source	Occupant	Directly adjacent to project substation or proposed route
Party City Canada	Encumbrance Holder	Directly adjacent to project substation or proposed route
PetSmart Inc	Occupant	Directly adjacent to project substation or proposed route
Piano Centre	Occupant	Directly adjacent to project substation or proposed route
Pier 1 Imports	Occupant	Directly adjacent to project substation or proposed route
Pixie Nails Ltd	Occupant	Directly adjacent to project substation or proposed route
Platinum Investments Ltd.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Polish Makes Perfect	Occupant	Directly adjacent to project substation or proposed route
Popeyes Supplements Edmonton West	Occupant	Directly adjacent to project substation or proposed route
Precision Geomatics Inc.	Occupant	Directly adjacent to project substation or proposed route
Press'd	Occupant	Directly adjacent to project substation or proposed route

<b>Stakeholder</b>	<b>Stakeholder Type</b>	<b>Rationale for Inclusion in PIP</b>
Prime Time Courier	Occupant	Directly adjacent to project substation or proposed route
Pro Hockey Life	Occupant	Directly adjacent to project substation or proposed route
Prologic Construction Ltd	Occupant	Directly adjacent to project substation or proposed route
Quality Control Council of Canada	Occupant	Directly adjacent to project substation or proposed route
Quality Stage Drapery Inc.	Occupant	Directly adjacent to project substation or proposed route
Quiznos Sub	Occupant	Directly adjacent to project substation or proposed route
RBC Mayfield West	Occupant	Directly adjacent to project substation or proposed route
RCMP-K Division	Occupant	Directly adjacent to project substation or proposed route
Realty Corp Inc.	Occupant	Directly adjacent to project substation or proposed route
Red Lobster	Occupant	Directly adjacent to project substation or proposed route
Red Robins	Occupant	Directly adjacent to project substation or proposed route
Red Wing Shoes	Occupant	Directly adjacent to project substation or proposed route
Redhart	Occupant	Directly adjacent to project substation or proposed route
Refined Interiors	Occupant	Directly adjacent to project substation or proposed route
Reflex Manufacturing Ltd.	Occupant	Directly adjacent to project substation or proposed route
Reitmans	Occupant	Directly adjacent to project substation or proposed route
Remai, Durand Ventures Inc.	Landowner	Directly adjacent to project substation or proposed route
Residential Aide Placement Service	Occupant	Directly adjacent to project substation or proposed route
Ricki's	Occupant	Directly adjacent to project substation or proposed route
Rio Vida	Occupant	Directly adjacent to project substation or proposed route
RioCan Holdings Inc.	Landowner	Directly adjacent to project substation or proposed route
Risk & Recovery Inc.	Occupant	Directly adjacent to project substation or proposed route
RKM Services Ltd.	Occupant	Directly adjacent to project substation or proposed route
RMS Residential Maintenance Service	Occupant	Directly adjacent to project substation or proposed route
RNR Portable	Occupant	Directly adjacent to project substation or proposed route
Rowanwood Properties Ltd.	Landowner	Directly adjacent to project substation or proposed route
RS line Construction / Forbes Bros. Ltd	Occupant	Directly adjacent to project substation or proposed route
Rycor Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
Ryusei Enterprises Corporation	Occupant	Directly adjacent to project substation or proposed route
Saunders Properties Limited	Landowner	Directly adjacent to project substation or proposed route
Screen Savers Plus	Occupant	Directly adjacent to project substation or proposed route
SDG	Occupant	Directly adjacent to project substation or proposed route
Second Cup	Occupant	Directly adjacent to project substation or proposed route
Shale Industrial Ltd.	Occupant	Directly adjacent to project substation or proposed route
Shandro Construction	Occupant	Directly adjacent to project substation or proposed route
Shaw Cablesystems Limited	Landowner	Directly adjacent to project substation or proposed route
Shell	Occupant	Directly adjacent to project substation or proposed route
Shell Canada Limited	Landowner	Directly adjacent to project substation or proposed route
Sigurdson, Lori	Provincial / Regional Government	Directly adjacent to project substation or proposed route
Sinur Engineering Inc.	Occupant	Directly adjacent to project substation or proposed route
Sirva Canada / Allied / North American Van	Occupant	Directly adjacent to project substation or proposed route
Skafar Enterprises Ltd	Occupant	Directly adjacent to project substation or proposed route
Sleep Country	Occupant	Directly adjacent to project substation or proposed route
SmartCentres Management Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Speedy Glass	Occupant	Directly adjacent to project substation or proposed route
Spence Diamonds	Occupant	Directly adjacent to project substation or proposed route
Spinelli Bar Italia	Occupant	Directly adjacent to project substation or proposed route
Sroka Group	Occupant	Directly adjacent to project substation or proposed route
Stahl Peterbilt Inc.	Occupant	Directly adjacent to project substation or proposed route
STAR property managers	Occupant	Directly adjacent to project substation or proposed route
Starbucks	Occupant	Directly adjacent to project substation or proposed route
STARBUCKS Coffee of Canada Inc	Occupant	Directly adjacent to project substation or proposed route
Stratosphere	Occupant	Directly adjacent to project substation or proposed route
Structube	Occupant	Directly adjacent to project substation or proposed route
SUBWAY	Occupant	Directly adjacent to project substation or proposed route
Summerlea Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
Summit Benefits Consulting Ltd.	Occupant	Directly adjacent to project substation or proposed route
Sun Life Canadian RE GP Inc.	Landowner	Directly adjacent to project substation or proposed route
Sunfresh Farms Ltd.	Landowner	Directly adjacent to project substation or proposed route
Superstore Gas	Occupant	Directly adjacent to project substation or proposed route
Supreme Capital Inc.	Landowner	Directly adjacent to project substation or proposed route
Supreme Capital Inc.	Occupant	Directly adjacent to project substation or proposed route
Taz Holdings Ltd.	Landowner	Directly adjacent to project substation or proposed route
TB3 Supply Inc.	Occupant	Directly adjacent to project substation or proposed route
T-Bar Developments Ltd.	Occupant	Directly adjacent to project substation or proposed route
TDG Furniture Inc	Occupant	Directly adjacent to project substation or proposed route
Team Chiasson Inc	Occupant	Directly adjacent to project substation or proposed route
TecWerks	Occupant	Directly adjacent to project substation or proposed route
TELUS	Encumbrance Holder	Directly adjacent to project substation or proposed route
TELUS/Koodo	Occupant	Directly adjacent to project substation or proposed route
Tennyson Apartments Limited	Landowner	Directly adjacent to project substation or proposed route
Thairpy Salon & Spa	Occupant	Directly adjacent to project substation or proposed route

Stakeholder	Stakeholder Type	Rationale for Inclusion in PIP
The Alibi / Capone's	Occupant	Directly adjacent to project substation or proposed route
The Board Of Trustees Of The Edmonton	Landowner	Directly adjacent to project substation or proposed route
The Brick	Occupant	Directly adjacent to project substation or proposed route
The Co-operators	Occupant	Directly adjacent to project substation or proposed route
The Good Samaritan Society	Landowner	Directly adjacent to project substation or proposed route
The Owners : Condominium Plan No.	Landowner	Directly adjacent to project substation or proposed route
The Owners : Condominium Plan No.	Landowner	Directly adjacent to project substation or proposed route
The Owners Condominium Plan No. 8220571	Landowner	Directly adjacent to project substation or proposed route
The Owners: Condominium Plan No. 7621225	Landowner	Directly adjacent to project substation or proposed route
The Owners: Condominium Plan No. 9122259	Landowner	Directly adjacent to project substation or proposed route
The Owners: Condominium Plan No. Cd5982	Landowner	Directly adjacent to project substation or proposed route
The State Group Inc.	Occupant	Directly adjacent to project substation or proposed route
Thornclyff Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
Tile Shoppe	Occupant	Directly adjacent to project substation or proposed route
Tim Hortons	Occupant	Directly adjacent to project substation or proposed route
Tokyo Express	Occupant	Directly adjacent to project substation or proposed route
Tomic Communications Inc.	Occupant	Directly adjacent to project substation or proposed route
Toner Lazer Centre	Occupant	Directly adjacent to project substation or proposed route
Top Tech Mechanical Ltd.	Occupant	Directly adjacent to project substation or proposed route
Torch Industries Ltd.	Occupant	Directly adjacent to project substation or proposed route
Toys "R" Us (Canada) Ltd.	Landowner	Directly adjacent to project substation or proposed route
Transamerican Wholesale	Occupant	Directly adjacent to project substation or proposed route
Treit Holdings 11 Corporation	Landowner	Directly adjacent to project substation or proposed route
Triple H Enterprises Inc.	Landowner	Directly adjacent to project substation or proposed route
Troy Life & Fire Safety Ltd.	Occupant	Directly adjacent to project substation or proposed route
Twing Holdings Ltd	Landowner	Directly adjacent to project substation or proposed route
U Store It Canada Ltd	Landowner	Directly adjacent to project substation or proposed route
Urban Barn	Occupant	Directly adjacent to project substation or proposed route
Value Village Canada Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Visible ID	Occupant	Directly adjacent to project substation or proposed route
Visions	Occupant	Directly adjacent to project substation or proposed route
Visions Electronics Realty Corporation	Landowner	Directly adjacent to project substation or proposed route
Vitality Health Foods	Occupant	Directly adjacent to project substation or proposed route
Wajax Limited Wajax Limitee	Landowner	Directly adjacent to project substation or proposed route
Wallace Law Office	Occupant	Directly adjacent to project substation or proposed route
Wal-Mart Canada Corp.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Wang's Holdings Limited.	Landowner	Directly adjacent to project substation or proposed route
Weed Man	Occupant	Directly adjacent to project substation or proposed route
Wendberta ULC	Occupant	Directly adjacent to project substation or proposed route
West Ed Holdings Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
West Edmonton Hyundai	Occupant	Directly adjacent to project substation or proposed route
West Edmonton Mall Property Inc.	Landowner	Directly adjacent to project substation or proposed route
West Edmonton Restaurants Ltd	Occupant	Directly adjacent to project substation or proposed route
West End Registries	Occupant	Directly adjacent to project substation or proposed route
West Meadowlark Community League	Community Organization/ Association	Directly adjacent to project substation or proposed route
West Point Centre North Ltd.	Landowner	Directly adjacent to project substation or proposed route
West Point Mall Ltd.	Landowner	Directly adjacent to project substation or proposed route
West Point Medical Service	Occupant	Directly adjacent to project substation or proposed route
West Two Enterprises Ltd.	Landowner	Directly adjacent to project substation or proposed route
Western Canada Cummings	Occupant	Directly adjacent to project substation or proposed route
Western Charm Restaurant	Occupant	Directly adjacent to project substation or proposed route
Western Freight Brokerage	Occupant	Directly adjacent to project substation or proposed route
Western Pontiac Buick GMC (1999) Ltd	Occupant	Directly adjacent to project substation or proposed route
Western Union / Money Mart	Occupant	Directly adjacent to project substation or proposed route
Westgate Investments Inc.	Landowner	Directly adjacent to project substation or proposed route
Westgate Shopping Centre Inc.	Landowner	Directly adjacent to project substation or proposed route
Westworld Computers Ltd.	Landowner	Directly adjacent to project substation or proposed route
Whitemud West Hockey Association	Occupant	Directly adjacent to project substation or proposed route
World Vision Inc.	Encumbrance Holder	Directly adjacent to project substation or proposed route
Xiaoping Foot Massage Therapy	Occupant	Directly adjacent to project substation or proposed route
Yellowhead Tribal College	Occupant	Directly adjacent to project substation or proposed route
Yellowhead Tribal College	Occupant	Directly adjacent to project substation or proposed route
Zambelli Pizzeria Ltd.	Landowner	Directly adjacent to project substation or proposed route
Zerxis Talavia Professional Corporation	Occupant	Directly adjacent to project substation or proposed route

**Attachment 4 – EDTI's Round 1 Project Newsletter – *West Edmonton Transmission Upgrade Project (September 2016)***



# WEST EDMONTON TRANSMISSION UPGRADE PROJECT

September 2016

**EPCOR**

# PROJECT INFORMATION

## Why are you receiving this package?

You are receiving this information because you are a landowner, resident, or occupant of property near a proposed EPCOR transmission project and we would like your input.

## What does this project involve?

This project involves upgrading the transmission system in Edmonton. We are proposing to construct a new 72 kilovolt (kV) above-ground transmission line from the Poundmaker substation (18944 105 Avenue) to the Meadowlark substation (15404 84 Avenue).

## Why is this project needed?

This upgrade will allow us to improve the reliability of our transmission system and reduce the risk of outages to our customers. As demand for power continues to grow within Edmonton, so does the need for transmission development such as this one.

The proposed project includes:

- Constructing approximately 11 km of above-ground 72 kV transmission line from the Poundmaker substation to the Meadowlark substation
- Adding one 240 kV/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated switches and equipment to the Poundmaker substation
- Adding one 72 kV circuit breaker and associated switches and equipment to the Meadowlark substation

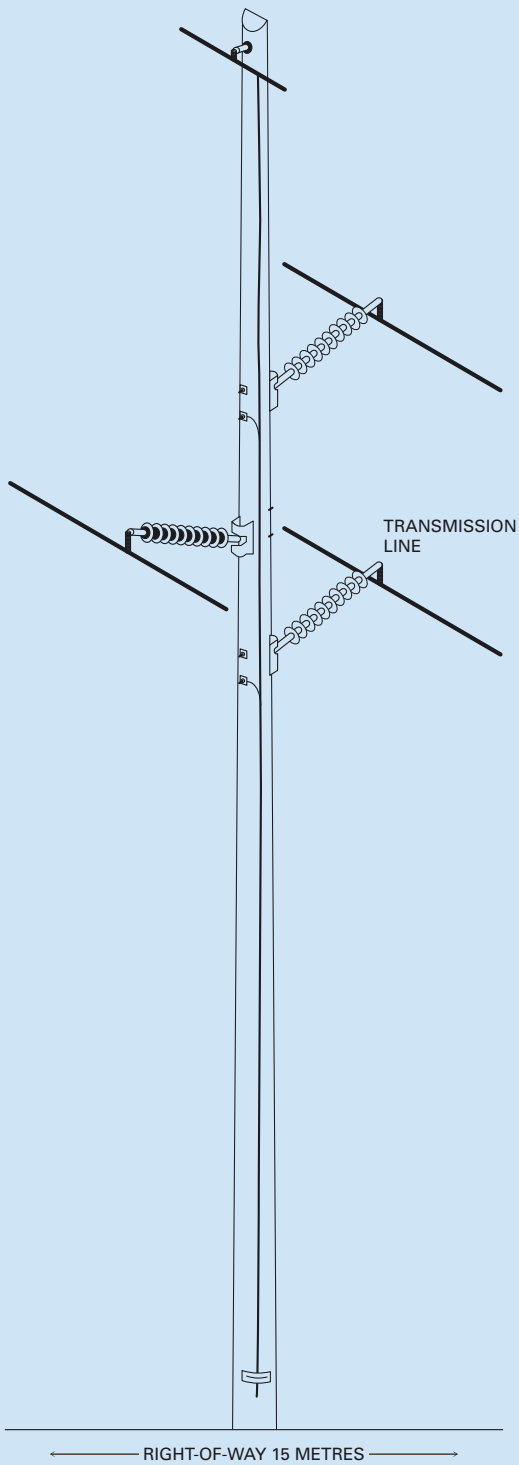
## What will it look like?

If approved, the 72 kV transmission line will be built using either wood or composite poles, ranging in height from approximately 18 to 24 metres. The poles will be single-circuit, meaning they will have three wires strung across them and one overhead shield wire on top.

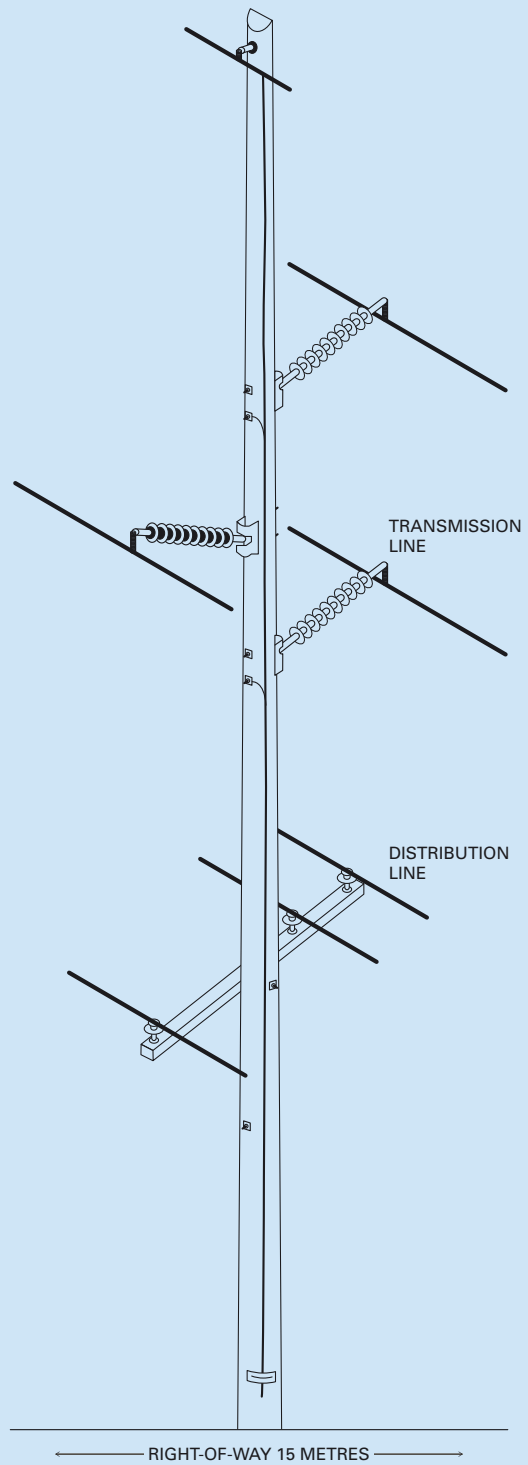
A portion of the proposed route follows an existing distribution line (shown in orange and blue dashed line on the map). For this section, we propose to re-use the existing utility right-of-way. This will involve removing the current poles and installing new poles that have the transmission line on top and the distribution line beneath it (shown in the image on the far right).

Non-typical structures such as steel poles, poles with wider bases, and the use of guy-wires and anchors may be required at certain locations along the line, including where the line turns corners or has to span larger distances.

## TRANSMISSION ONLY



## TRANSMISSION AND DISTRIBUTION



*These images are not to scale.*



## Where will the transmission line go?

During the process of determining potential routes, we take the following factors into consideration in an effort to find routes with the lowest overall impact:

- Residential
- Environmental
- Electrical
- Cost
- Visual
- Special Constraints

Using these factors, we have identified two potential route options for the proposed transmission line as shown on the map to the right. We proposed these route options because they generally follow existing linear disturbances such as roadways, designated transportation utility corridors, and existing distribution utility right-of-ways.

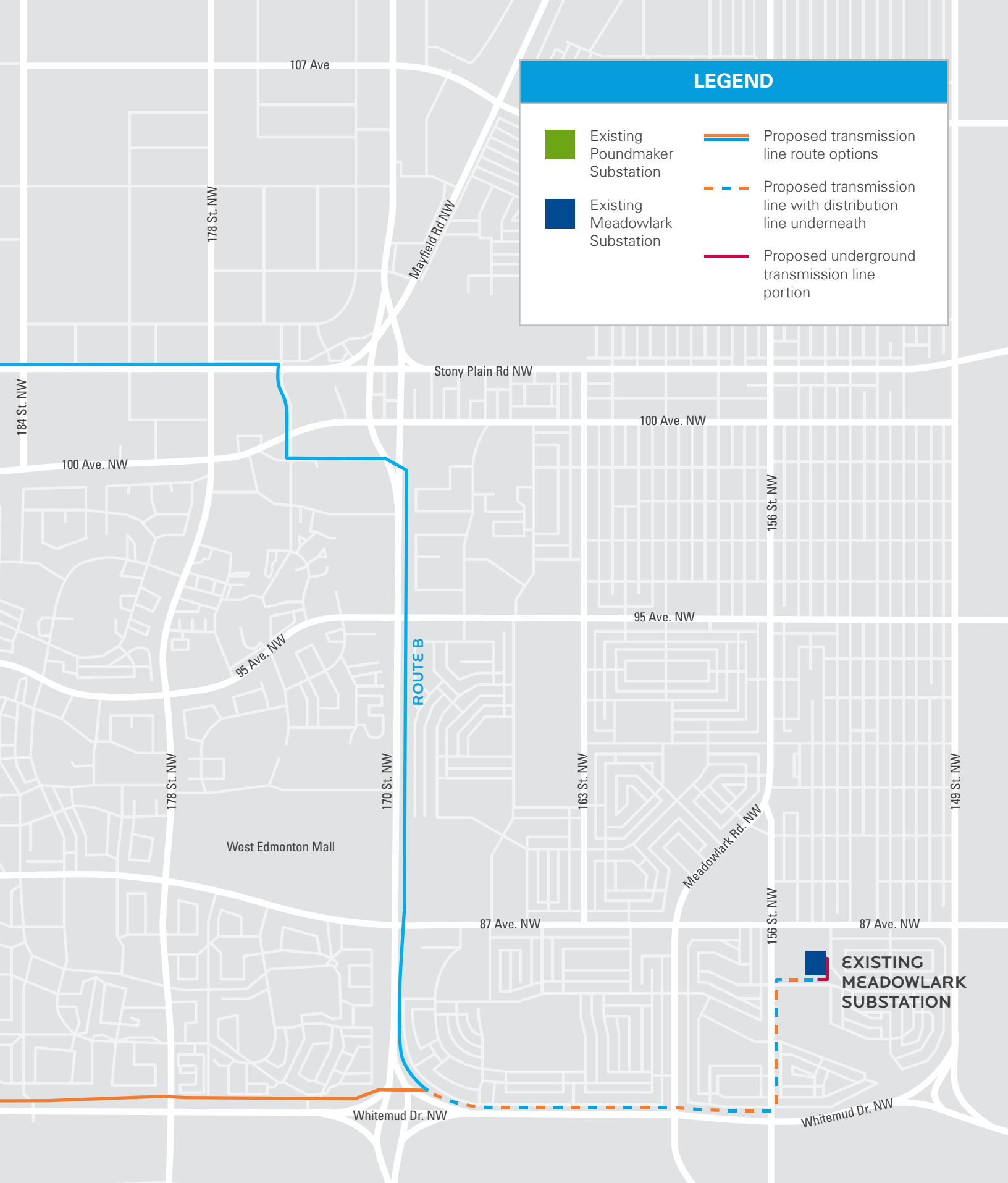
After receiving input from the public, considering the environment and reviewing technical requirements, we will submit a facility application to the Alberta Utilities Commission (AUC) that identifies a preferred route and an alternative route. If the AUC approves this project, they will select one route for construction between the Poundmaker and Meadowlark substations.

At this point, a preferred route has not been selected. When we have identified a preferred route option we will provide you with a project update.

## Our Commitment

We are committed to being a good neighbour, and being approachable and responsive to public concerns and questions. With each project we believe good two-way communication will help us deliver value in a socially and environmentally responsible manner.





Only one route will be built. The map shows route options currently under consideration. These route options are subject to change during the consultation process.

# SUBSTATION UPGRADES

The proposed transmission line will begin at the Poundmaker substation and end at the Meadowlark substation. In order to accommodate the proposed transmission line, upgrades are needed to both the Poundmaker and Meadowlark substations.

## Poundmaker Substation

The existing Poundmaker substation is located at 18944 105 Avenue. If approved, new equipment will be added to the substation including:

- one 240 kV/72 kV transformer
- one 240 kV circuit breaker
- one 72 kV circuit breaker
- associated switches and equipment

In order to install the new equipment the fence will need to be expanded by approximately 25 metres (m) by 18 m on the west side of the substation. The new section of fence will match the existing substation fence.

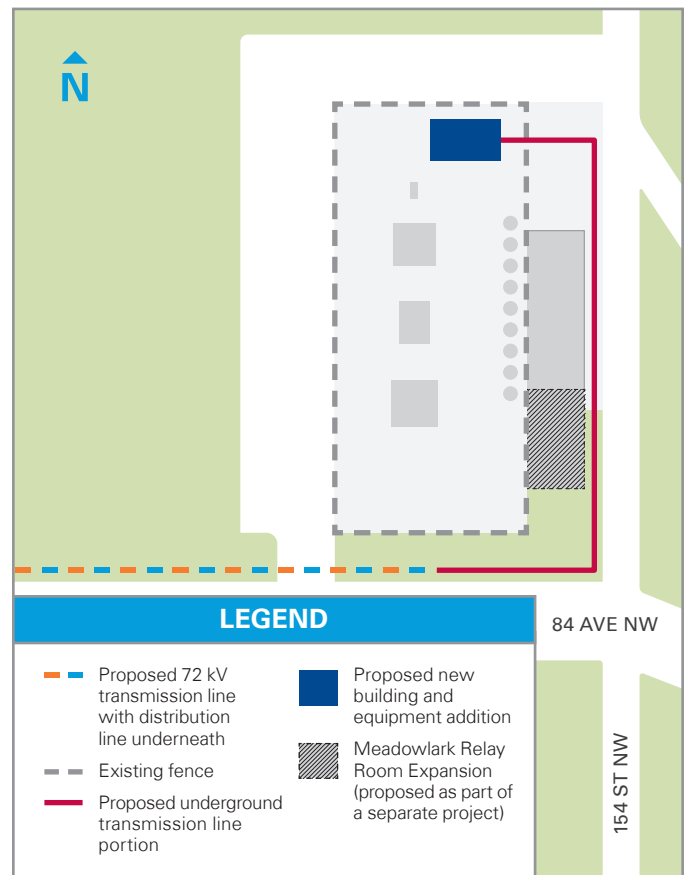


## Meadowlark Substation

The existing Meadowlark substation is located at 15404 84 Avenue. If approved, new equipment will be added to the substation including:

- one 72 kV circuit breaker and associated disconnect switches

To contain the new equipment, a new 5 m by 12 m building will be constructed within the existing fenced boundary of the substation.



# YOU ARE INVITED TO AN OPEN HOUSE

This will be an opportunity to provide feedback, ask questions and learn more about our proposed project in your community.

Date	Time	Location
Tuesday, October 18, 2016	3:00 p.m. - 8:00 p.m.	La Perle Community Hall 18611 97a Ave NW, Edmonton
Wednesday, October 19, 2016	3:00 p.m. - 8:00 p.m.	Lynnwood Community Hall 15525 84 Ave NW, Edmonton

## More Information

EPCOR believes in listening to and engaging stakeholders. Community input and involvement is an important part of our decision-making. We believe in working towards solutions together and consulting with the public on initiatives.

If you have any questions or would like to provide input on the project, please contact us:

**780-412-4040**  
**consultation@epcor.com**  
**epcor.com/consultation**

## What are the Next Steps?

We are beginning our public consultation program and invite you to contact us to discuss this project (see back of last page). Over the coming weeks, project team members will directly contact landowners, occupants, residents and businesses who are directly adjacent or within the first row of properties along the potential routes.

Once we have received input from the public, EPCOR will submit a facility application to the AUC

that will include both a preferred and alternative route for the transmission line between the Poundmaker and Meadowlark substations and the required substation alterations.

This project requires two regulatory approvals from the AUC: approval of the Alberta Electricity System Operator's Needs Identification Document (NID) and approval of EPCOR's facility application. For more information on the AUC's regulatory process visit [www.auc.ab.ca/AUCPublicInvolvement](http://www.auc.ab.ca/AUCPublicInvolvement)

## PROPOSED SCHEDULE



## About 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 you may contact the AESO directly or you can make concerns known to an EPCOR representative who will communicate them to the AESO on your behalf. This process may include disclosure of your personal information to the AESO.

## About the Alberta Utilities Commission (AUC)

The AUC is an independent, quasi-judicial agency of the province of Alberta. The AUC is responsible to ensure that the delivery of Alberta's utility service takes place in the public interest. The AUC must approve this project before upgrades to the system can begin. For more information about how you can participate in the process, please visit the AUC website.

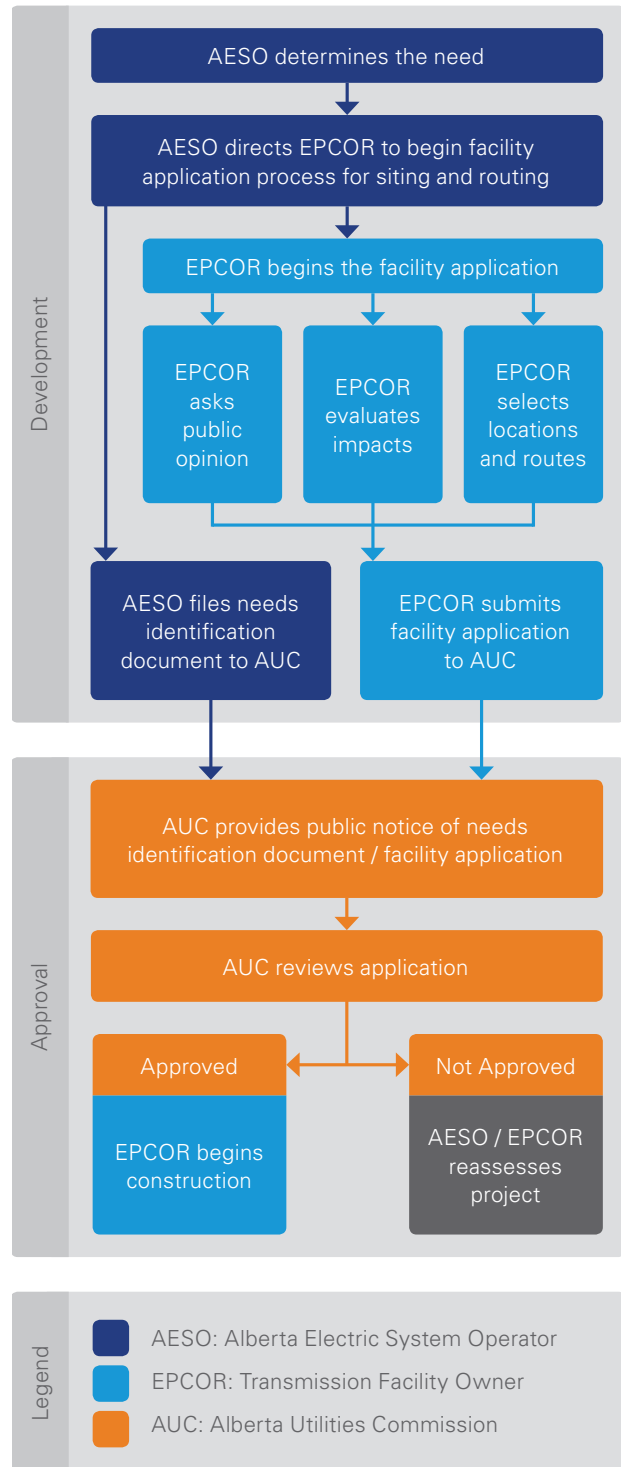
[www.auc.ab.ca/AUCPublicInvolvement](http://www.auc.ab.ca/AUCPublicInvolvement)

## About EPCOR

EPCOR builds, owns and operates electrical transmission and distribution networks, water and wastewater treatment facilities and infrastructure in Canada and the United States.

EPCOR, headquartered in Edmonton, is an Alberta Top 70 employer. EPCOR's website is [epcor.com](http://epcor.com)

## THE REGULATORY PROCESS



## OTHER PROJECTS IN THE AREA

### Garneau Substation Upgrades:

As part of the West Edmonton Transmission Upgrade project, upgrades are also required at the Garneau substation (located at 11117 85 Avenue). Landowners, occupants, and business owners near the Garneau substation will receive information regarding these upgrades when project details become available.

### Meadowlark Substation Relay Room Expansion:

The Meadowlark substation building requires expansion. The aging equipment within the substation building needs replacement to ensure worker safety and the continued delivery of safe and reliable power to the community. This project is separate from work needed for the West Edmonton Transmission Upgrade project.

In order to maintain power service, the new equipment must be installed before the old equipment can be removed. To accommodate this work, the existing substation building will need to be expanded.

For more information on these two projects please contact:

**consultation@epcor.com**  
**780-412-4040**  
**epcor.com/consultation**

## Transmission lines and substations

Transmission lines are like highways, moving high-voltage electricity from generating stations to distribution points (called substations) where the high-voltage electricity gets stepped down to lower voltages.

## Distribution lines

Once voltages are stepped down at a substation, the electricity travels along distribution wires. These lines are the ones that leave a substation and make their way to our homes or businesses.

# WE WOULD LIKE YOUR INPUT

## Contact us

Your questions and input are important to us. For more information about the project or to provide us with feedback:

[consultation@epcor.com](mailto:consultation@epcor.com)  
**(780) 412-4040**  
[epcor.com/consultation](http://epcor.com/consultation)

We will identify and consider the perspectives of the public and track, measure and publicly report on our performance to learn and improve. For EPCOR, meaningful dialogue will continue from planning through construction.

For more information about the need for this project please contact:

**Alberta Electric System Operator (AESO)**  
1-888-866-2959  
[Stakeholder.relations@aeso.ca](mailto:Stakeholder.relations@aeso.ca)  
[poweringalberta.com](http://poweringalberta.com)

For more information about the regulatory process please contact:

**Alberta Utilities Commission (AUC)**  
780-427-4903 (for toll-free access, dial 310-0000 before the 10 digit number)  
[auc.ab.ca](http://auc.ab.ca)

## Open Houses

This will be an opportunity to provide feedback, ask questions and learn more about our proposed project in your community.

Date	Time	Location
Tuesday, October 18, 2016	3:00 p.m. - 8:00 p.m.	La Perle Community Hall 18611 97a Ave NW, Edmonton
Wednesday, October 19, 2016	3:00 p.m. - 8:00 p.m.	Lynnwood Community Hall 15525 84 Ave NW, Edmonton



EPCOR respects your right to privacy. Any personal information we collect about you, including your name, address, phone number and e-mail address will only be used in regards to this Project. Please visit [epcor.com](http://epcor.com) for more information on EPCOR's Privacy Policy.

DOCKET	TRIM SIZE	QUANTITY	RESOLUTION	DUPLEX	MATERIALS & FINISHING
306467 CUT PASTE	24X36	1 EACH 9 TOTAL	NO ISSUES	● 4/0 ○ 4/4 ○ Common F&B	PRINT ON 3/16" FOAMCORE. TRIM TO SIZE AND PACKAGE.

PROVIDING MORE

### WHO IS EPCOR?

**POWERING OUR HOMETOWN**

- We build, own and operate electrical transmission and distribution networks in Edmonton.
- We distribute 14% of Alberta's energy consumption to customers in the City of Edmonton.

**REFRESHING COMMUNITIES**

- Across Alberta and B.C., we deliver clean drinking water and treat wastewater for municipalities and industrial clients.
- We are the largest private water provider in Arizona and New Mexico.

**PROVIDING MORE, FOR CUSTOMERS, COMMUNITY AND ENVIRONMENT**

- While our 2,300 Canadian employees work 24/7 to keep the power and water running, we're also active in protecting our precious resources in every community where we operate.
- Through the EPCOR Community Essentials Council, we're helping to build healthy communities and vibrant futures.

PROVIDING MORE

### THE PROPOSED PROJECT

We are proposing to build a new 72 kilovolt (kV) above-ground transmission line between the Poundmaker substation and the Meadowlark substation.

This upgrade will allow us to improve the reliability of our transmission system and reduce the risk of outages to our customers. As demand for power continues to grow within Edmonton, so does the need for transmission development such as this one.

To meet this demand for power, we are proposing to:

- Construct a 72 kV above-ground transmission line between the Poundmaker substation and the Meadowlark substation
- Add one 240 kV/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated switches and equipment to the Poundmaker substation
- Add two 72 kV circuit breakers, and associated switches and equipment to the Meadowlark substation

PROPOSED SCHEDULE

September 2016	October 2016	Winter 2017	Winter 2017	Winter 2017	Summer 2017	Winter 2018
Consultation begins	EPCOR Open House	AESCC submits the NID for approval to the AUC	Project Update	EPCOR submits Facilities Application	If Approved by the AUC, construction begins	Construction complete

PROVIDING MORE

### MEADOWLARK SUBSTATION

The existing Meadowlark substation is located at 15404 84 Avenue. If approved, new equipment will be added to the substation including:

- two 72 kV circuit breakers and associated disconnect switches

To contain the new equipment, a new 5 m by 12 m building will be constructed within the existing fenced boundary of the substation.



DOCKET	TRIM SIZE	QUANTITY	RESOLUTION	DUPLEX	MATERIALS & FINISHING
306467 CUT PASTE	24X36	1 EACH 9 TOTAL	NO ISSUES	● 4/0 ○ 4/4 ○ Common F&B	PRINT ON 3/16" FOAMCORE. TRIM TO SIZE AND PACKAGE.

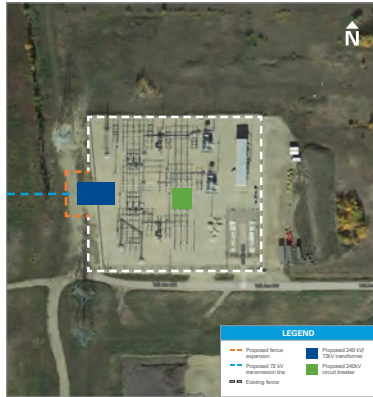
**EPCOR** PROVIDING MORE

### POUNDMAKER SUBSTATION

The existing Poundmaker substation is located at 18944 105 Avenue. If approved, new equipment will be added to the substation including:

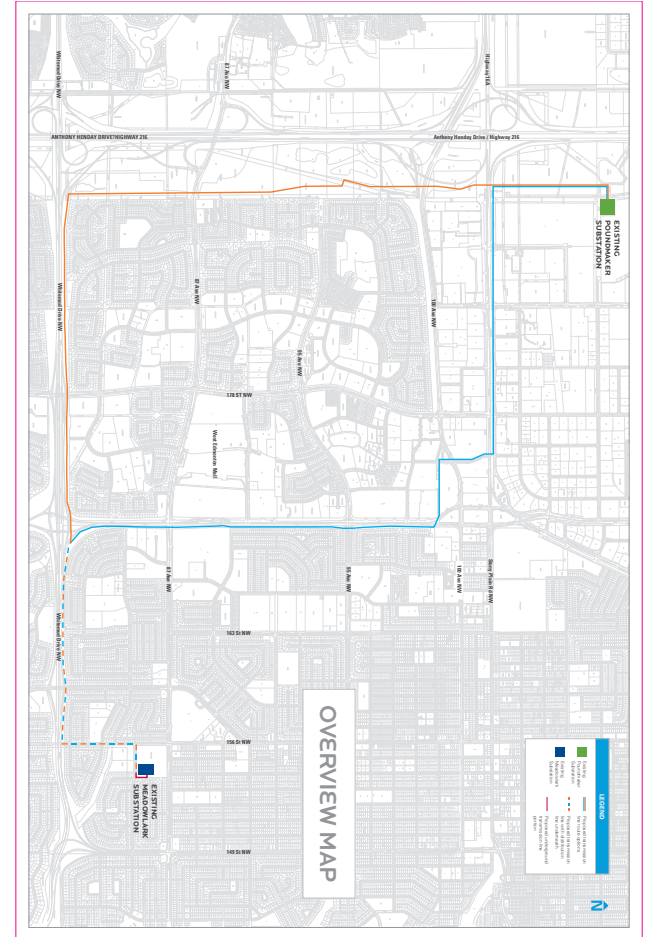
- one 240 kV/72 kV transformer
- one 240 kV circuit breaker
- one 72 kV circuit breaker
- associated switches and equipment

In order to install the new equipment the fence will need to be expanded by approximately 25 metres (m) by 18 m on the west side of the substation. The new section of fence will match the existing substation fence.



**EPCOR** PROVIDING MORE

### ARTIST RENDERING OF THE PROPOSED TRANSMISSION LINE

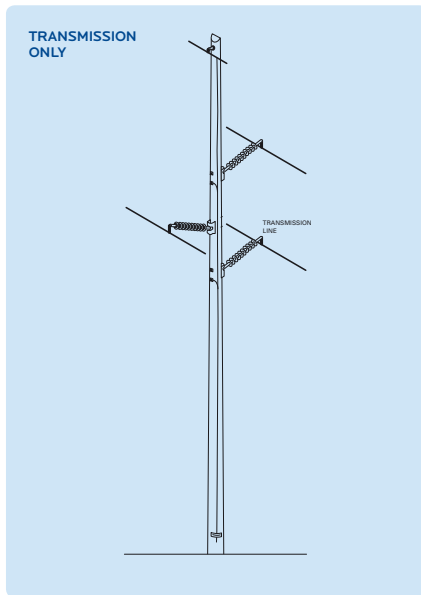


DOCKET	TRIM SIZE	QUANTITY	RESOLUTION	DUPLEX	MATERIALS & FINISHING
306467 CUT PASTE	24X36	1 EACH 9 TOTAL	NO ISSUES	● 4/0 ○ 4/4 ○ Common F&B	PRINT ON 3/16" FOAMCORE. TRIM TO SIZE AND PACKAGE.

**EPCOR** PROVIDING MORE

### TRANSMISSION POLES

If approved, the power poles used for the transmission line will be either made out of wood or fiberglass and will range in height from 18 metres to 24 metres.

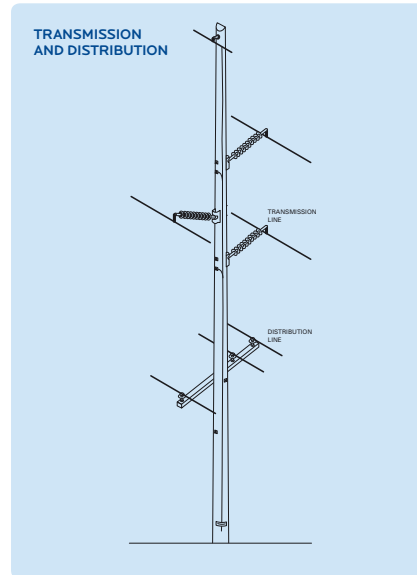


This image is not to scale.

**EPCOR** PROVIDING MORE

### TRANSMISSION POLES WITH DISTRIBUTION UNDERNEATH

A portion of the proposed route follows an existing distribution line. This will involve removing the current poles and installing new poles that have the transmission line on top and the distribution line beneath it.

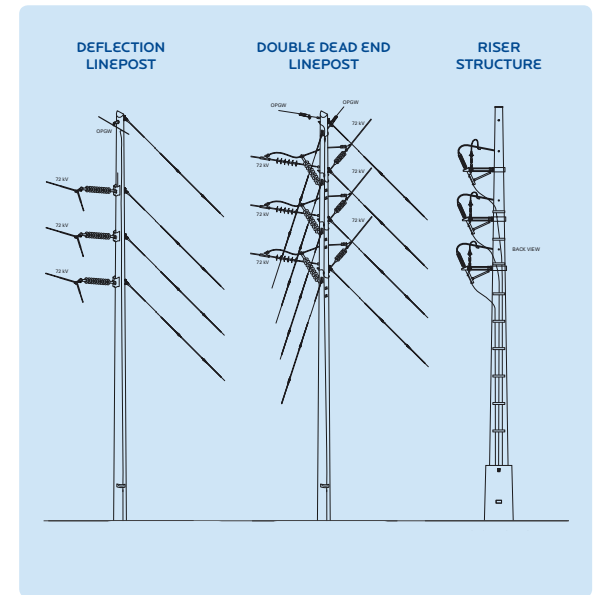


This image is not to scale.

**EPCOR** PROVIDING MORE

### NON-TYPICAL POLES

Non-typical structures such as steel poles, poles with wider bases, and the use of guywires and anchors may be required at certain locations along the line, including where the line turns corners or has to span larger distances.



These images are not to scale.

**Attachment 5 – EDTI’s Round 1 Project Newsletter – *Upgrades to the Garneau Substation (January 2017)***





# UPGRADES TO THE GARNEAU SUBSTATION

January 2017

You are receiving this information because you are a landowner, resident, occupant or interested party near a proposed EPCOR transmission project, and we would like your input.

## **Project Overview**

This project involves upgrading the Garneau substation (located at 11117-85 Ave) in order to improve reliability and meet the increased demand for power in the area. If approved by the Alberta Utilities Commission (AUC), the upgrades will include replacing the three existing 30/40 MVA transformers with three new 50/60 MVA transformers.

## Project Details

We are proposing to replace the three existing transformers in the Garneau substation to improve reliability and meet increased demand for power in the area.

Two of the new transformers will be replaced in the same location as the existing transformers, while the third transformer will be moved further west to allow for safe access to the equipment during construction and for maintenance (please see the aerial image on the next page).

To accommodate the relocation of the new transformer, the substation yard will need to be expanded. This will involve removing the EPCOR-owned house directly west of the substation and expanding the fence line by approximately 10 metres by 34 metres. To improve security around the substation, we will also be replacing the existing six foot fence with a new eight foot fence. The new fence will look similar to the existing fence, as shown in the image below.

## Proposed Schedule

EPCOR will apply to the AUC for approval of this project in spring 2017. If the AUC approves the project, we anticipate construction will start in the summer of 2017 and is expected to be completed in the winter of 2021.

## Participate in the Process

To participate in the consultation process, please contact us or attend our open house. See details on the back page.

To participate in the regulatory process for this project, visit the AUC website and download their brochure entitled "Public Involvement in a Proposed Utility Development" or call or email EPCOR and we will mail you a copy.

[www.auc.ab.ca/news-room/brochures/Documents/PublicInvolvement.pdf](http://www.auc.ab.ca/news-room/brochures/Documents/PublicInvolvement.pdf)

## Artist Rendering of Upgrades to the Garneau Substation

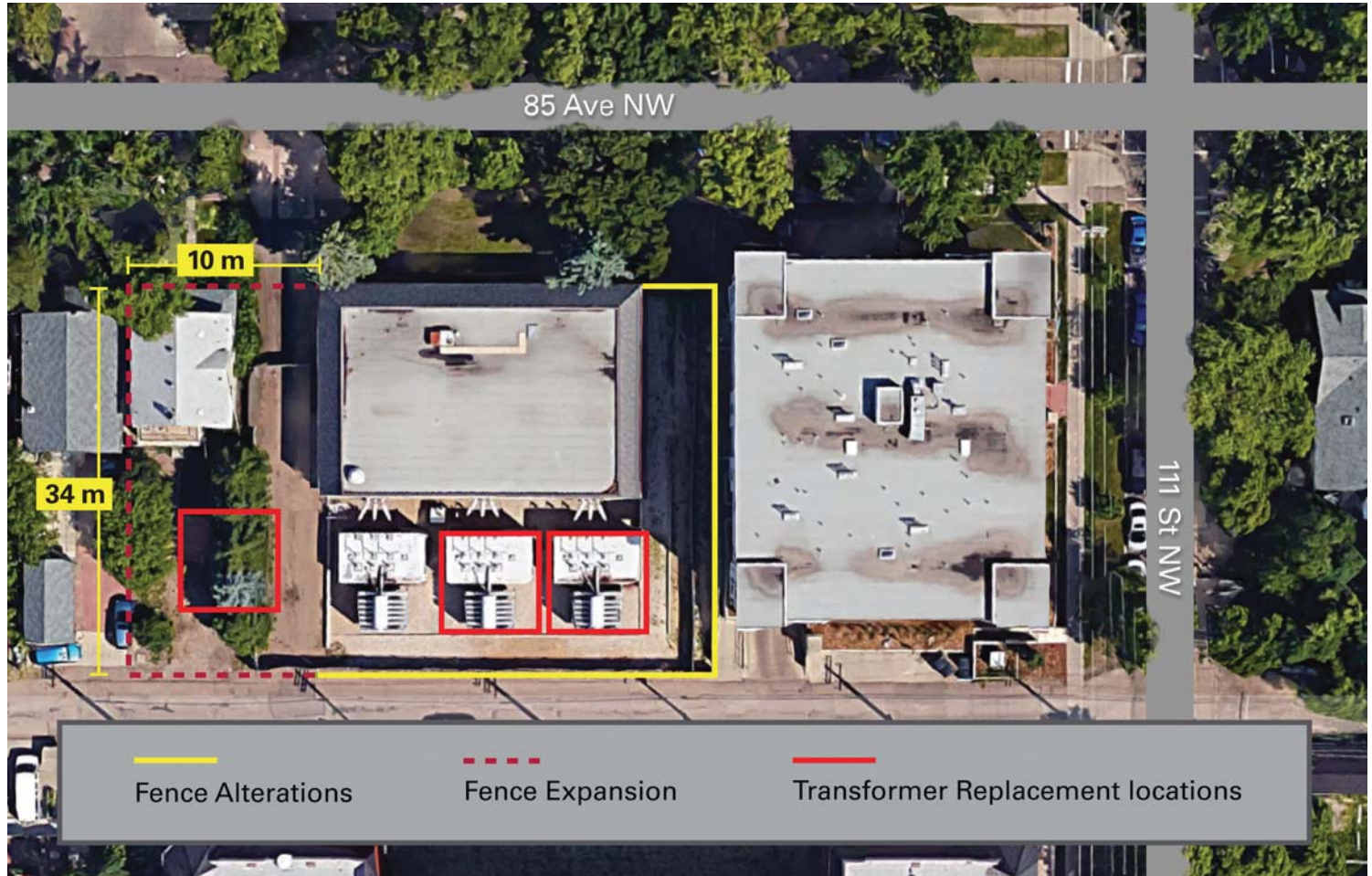


## What is a substation and transformer?

A substation is a part of the electrical system that connects two or more power lines. The Garneau substation converts electricity from higher voltage power lines (transmission lines) to lower voltages that can be safely distributed to homes and businesses in the area. This conversion is done using a transformer.



## Garneau Substation Site Layout



## What to expect during construction

### Construction Noise

The work will create typical noise associated with construction. We will take measures to ensure we comply with the City of Edmonton's Community Standards Bylaw for Noise Control. If it is necessary to temporarily exceed noise levels, we will work with the City of Edmonton to obtain the necessary permits.

### Hours of Construction

We anticipate our hours of work for this project to be Monday to Friday 7:30 a.m. to 5:00 p.m.; however, occasional evening and weekend work may be required.

### Road Closures

Access down 85 Avenue between 112 Street and 111 Street may be limited during some stages of construction.

### Power Supply

No interruptions to power services are anticipated as a result of this project.

### Work Space

All work areas will be safe and secure. All construction activities will be in accordance with the City of Edmonton bylaws, occupational health, safety and environmental procedures and guidelines.

## About EPCOR

We build, own and operate electrical transmission and distribution networks, water and wastewater treatment facilities and infrastructure in Canada and the United States.

We provide electricity and water services and products to residential and commercial customers. In addition, we deliver competitive power systems, transportation electrical systems and utility support services.

We own and operate substations and transmission lines, which form part of the Alberta interconnected electric system, and are situated primarily within the City of Edmonton. We are regulated by the Alberta Utilities Commission (AUC).

## About 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 you may contact the AESO directly.

**Call: 1-888-866-2959**

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

You can also make your questions or concerns known to an EPCOR 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.

## About the Alberta Utilities Commission (AUC)

Alberta's electrical system is regulated by the AUC. The AUC is an independent quasi-judicial agency that ensures that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public's interest. The AUC must approve this project before EPCOR can begin work. For more information about how you can participate in the process, please visit the AUC website.

**[www.auc.ab.ca/news-room/brochures/Documents/PublicInvolvement.pdf](http://www.auc.ab.ca/news-room/brochures/Documents/PublicInvolvement.pdf)**

## YOU ARE INVITED TO AN OPEN HOUSE

This will be an opportunity to provide feedback, ask questions and learn more about our proposed project in your community.

### Lister Centre

1-047 Lister Centre, University of Alberta

The Aurora Room

Thursday, February 23rd 2017

3:00 PM - 8:00 PM

### WE WOULD LIKE YOUR INPUT!

### CONTACT US

Your questions and input are important to us. For more information about the project or to provide us with feedback:

**Email: [Consultation@epcor.com](mailto:Consultation@epcor.com)**

**Call: (780) 412-4040**

**Website: [epcor.com/consultation](http://epcor.com/consultation)**



EPCOR respects your right to privacy. Any personal information we collect about you, including your name, address, phone number and e-mail address will only be used in regards to this project. For more information, please see EPCOR's Privacy Policy at [epcor.com](http://epcor.com).

**Attachment 6 – AESO Need Overview Update (December 2017)**



# Need for the West Edmonton Transmission Upgrade Project in the City of Edmonton

*EPCOR Distribution and Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to improve the reliability of the power system in the Edmonton area. Distribution of the original AESO Need Overview began in September 2016. The AESO has since revised its proposed solution and schedule to respond to EPCOR's request, as described below. EPCOR's request can be met by the following solution:*

## REVISED PROPOSED SOLUTION

- Add a new 72 kilovolt (kV) transmission line from the Poundmaker substation to the Meadowlark substation.
- Upgrade the existing Poundmaker substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated equipment.
- Modify the existing Meadowlark substation, including adding two 72 kV circuit breakers and associated equipment. Originally, only one 72 kV circuit breaker was proposed.
- Upgrade the existing Garneau substation, including replacing three existing 72/14.4 kV transformers with three 72/14.4 kV transformers of higher capacity.

## REVISED NEXT STEPS

- The AESO has revised its schedule. The AESO now 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.

## EPCOR

- Is the transmission facility owner in the City of Edmonton.
- 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**  
**Jennifer Vollmer**  
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 7 – AESO Stakeholder Newsletter Need Overview Notice  
(December 7, 2017)**

December 7, 2017

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# AESO Stakeholder Newsletter



## **Information Update for the West Edmonton Transmission Upgrade Project – Need for Transmission Development in the City of Edmonton**

EPCOR Distribution and Transmission Inc. (EPCOR) has applied to the AESO for transmission system access to improve the reliability of the power system in the Edmonton area. Distribution of the original AESO Need Overview began in September 2016. The AESO has since revised its proposed solution and schedule to respond to EPCOR's request, as described below. EPCOR's request can be met by the following solution:

- Add a new 72 kilovolt (kV) transmission line from the Poundmaker substation to the Meadowlark substation.
- Upgrade the existing Poundmaker substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated equipment
- Modify the existing Meadowlark substation, including adding two 72 kV circuit breakers and associated equipment—originally, only one 72 kV circuit breaker was proposed
- Upgrade the existing Garneau substation, including replacing three existing 72/14.4 kV transformers with three 72/14.4 kV transformers of higher capacity

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 > West Edmonton Transmission Upgrade Project.

**Attachment 8 – EDTI’s Round 2 Project Newsletter – *West Edmonton  
Transmission Upgrade Project Update (December 2017)***

A close-up photograph of a construction worker wearing a white hard hat with a red headlamp, safety glasses, and a yellow work glove. The worker is looking down at a task. The background is blurred, showing an outdoor construction site.

# WEST EDMONTON TRANSMISSION UPGRADE PROJECT UPDATE

December 2017

# PROJECT INFORMATION

In preparation for the next phase of the West Edmonton Transmission Upgrade Project, we are sending you this information to inform you of updates to the proposed above ground transmission project and ask for your feedback.

Since September 2016, we have discussed the project with over 850 stakeholders. We assessed the input we received from occupants, residents, homeowners and businesses through one on one consultations completed in person, at one of our open houses, or over the phone. As a result of discussions with stakeholders and other new information, we have refined our preliminary routes and incorporated additional routing options for consideration. These changes are outlined on the map included in this package.

In this project notice you will learn more about how the potential routes were refined and how stakeholder feedback and other new information was utilized to develop additional routing options. As we move forward, we remain committed to consulting with you about this project. Our goal is to continue to involve you and respond to your questions. Further details regarding the next steps in the consultation process are discussed later in this notice.

**Thank you to everyone who took the time to participate in the consultation process to date.**

## Project Background

This proposed project involves upgrading the transmission system in Edmonton. It will improve the reliability of the transmission system and reduce the risk of customer outages.

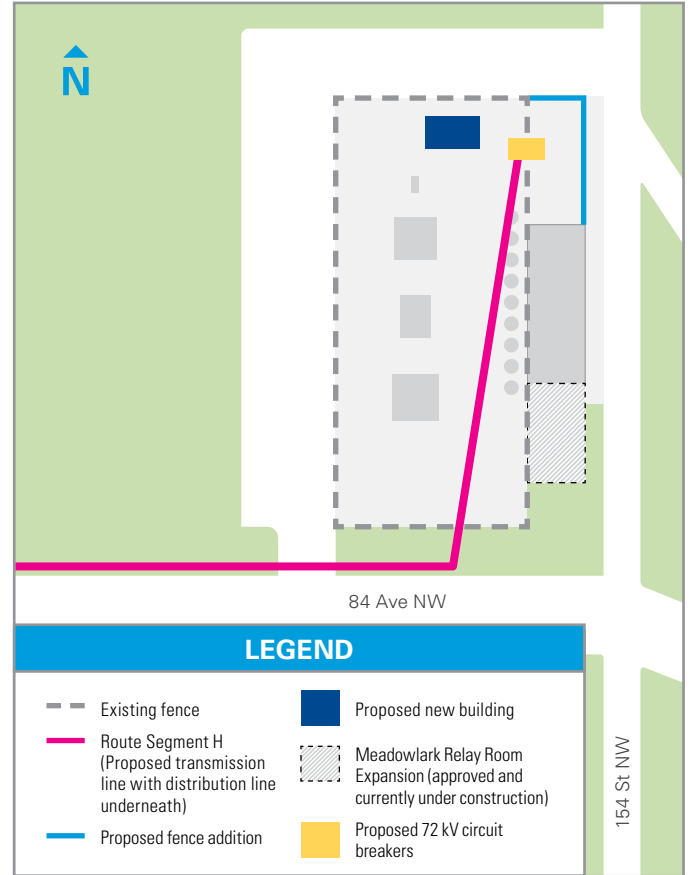
The proposed project includes:

- Constructing approximately 11 km of above-ground 72 kilovolt (kV) transmission line from the Poundmaker substation (18944 105 Avenue) to the Meadowlark substation (15404 84 Avenue).
- Adding two 72 kV circuit breakers and associated switches and equipment to the Meadowlark substation. This is a revision from the information included in the original project notice, which indicated that one circuit breaker was required.
- Adding one 240 kV/72 kV transformer, one 240 kV circuit breaker, one 72 kV circuit breaker and associated switches and equipment to the Poundmaker substation.
- Expanding the existing fences at both the Poundmaker and Meadowlark substations. This is a revision from the information included in the original project notice regarding the Meadowlark substation.

## Poundmaker Substation



## Meadowlark Substation



# TRANSMISSION LINE ROUTE LOCATION UPDATE

During the process of determining potential routes, we took the following factors into consideration in an effort to find routes with the lowest overall impact:

- Residential
- Environmental
- Electrical
- Cost
- Visual
- Special Constraints

We previously notified you of the routes we identified for the proposed transmission line. We proposed these route options because they generally follow existing linear disturbances such as roadways, designated Transportation/Utility Corridors, and existing distribution utility right-of-ways. When we refine routes or develop additional routes, we consider the factors listed above, any new information and consultation feedback.

## Routing Refinements

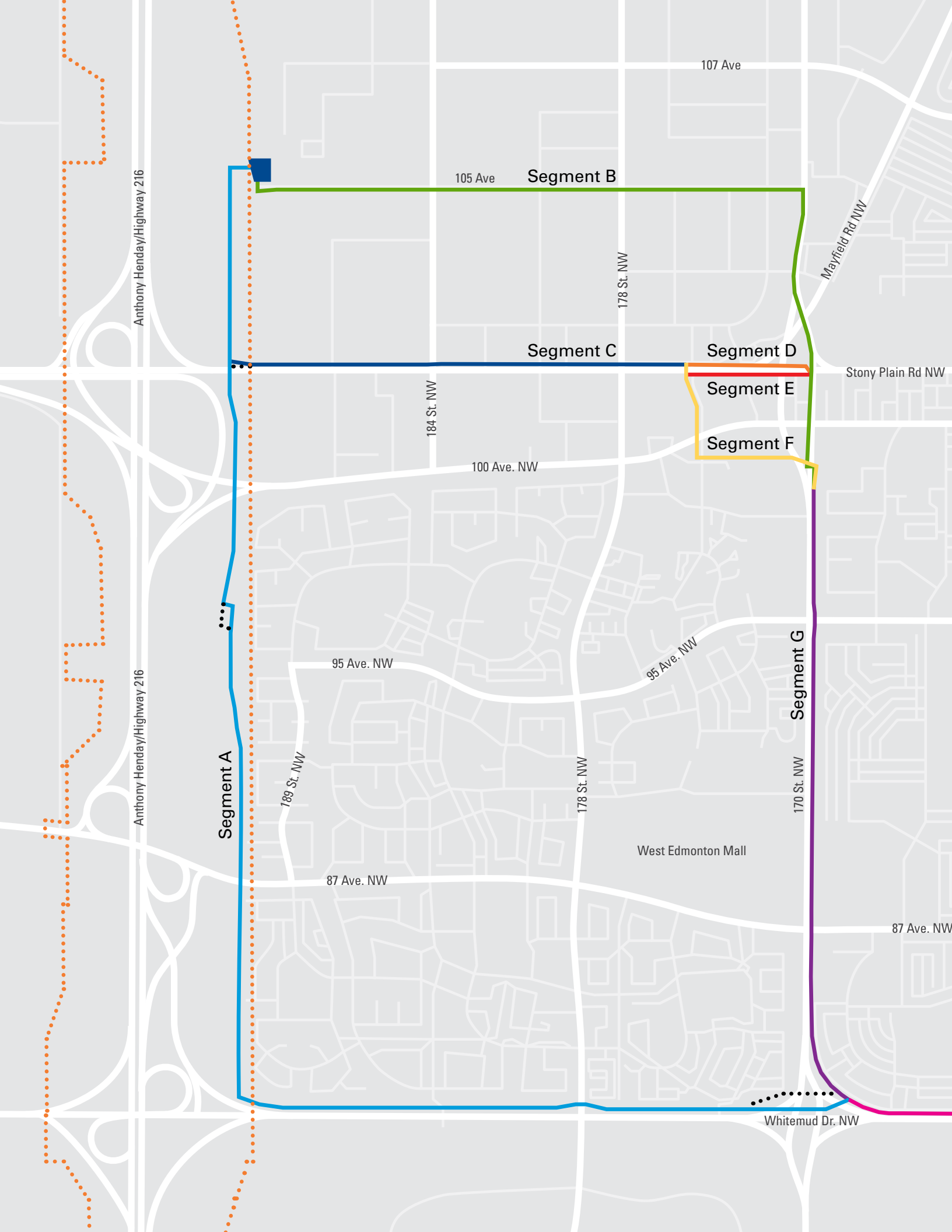
As outlined on the enclosed map, several refinements were made to the routes included in our notice from September 2016. These changes were made in response to stakeholder feedback and other new information. These refinements include alignment changes and proposing an above ground connection to the Meadowlark substation.

## Additional Routes under Consideration

Based on feedback received and additional routing assessments, we attempted to reduce potential project related impacts by adding several routing alternatives that we will be consulting on over the coming months. These additional routes are shown on the enclosed map.

## Additional Routing Information

Based on feedback collected at earlier stages of the project, cross section images were developed to help stakeholders visualize the project.



Anthony Henday/Highway 216

Anthony Henday/Highway 216

Segment A

189 St. NW

87 Ave. NW

95 Ave. NW

184 St. NW

100 Ave. NW

105 Ave

Segment B

178 St. NW

Segment C

107 Ave

Mayfield Rd NW

Segment D

Segment E

Segment F

Stony Plain Rd NW

West Edmonton Mall

Segment G

170 St. NW

87 Ave. NW

Whitemud Dr. NW





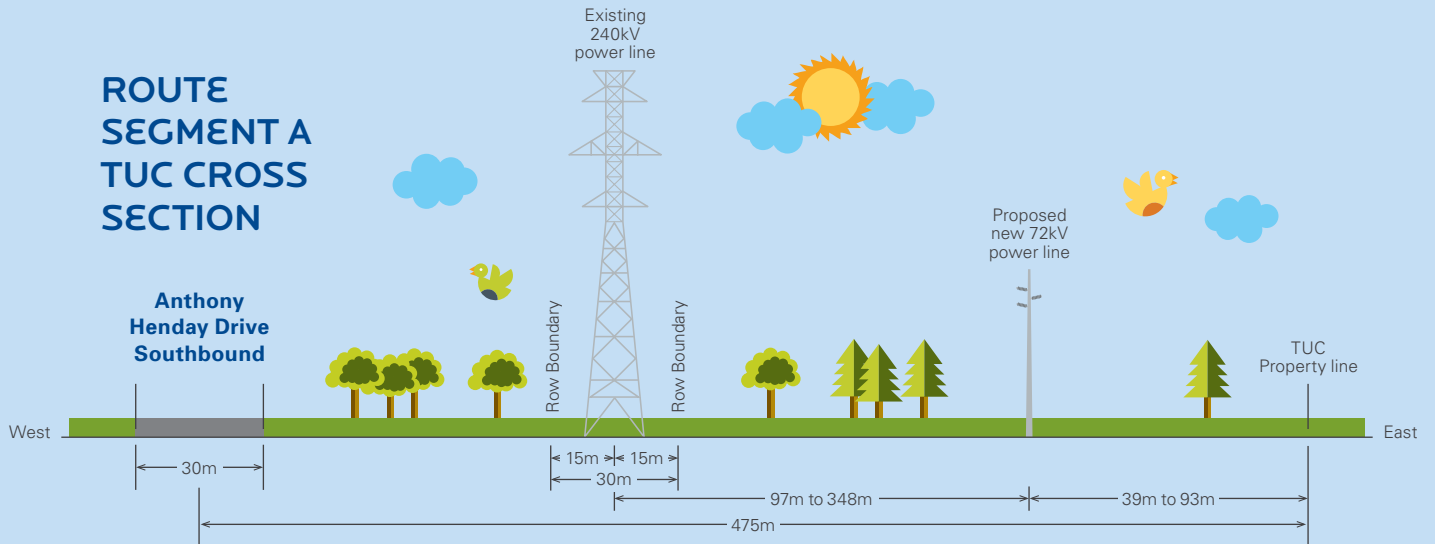
## LEGEND

- Poundmaker Substation
- Meadowlark Substation
- Route Segment A
- Route Segment B  
(Transmission line is proposed to be strung on one side of existing structures for a portion of this segment)
- Route Segment C
- Route Segment D
- Route Segment E
- Route Segment F
- Route Segment G
- Route Segment H  
(Proposed transmission line with distribution line underneath)
- TUC boundaries
- Rejected routing

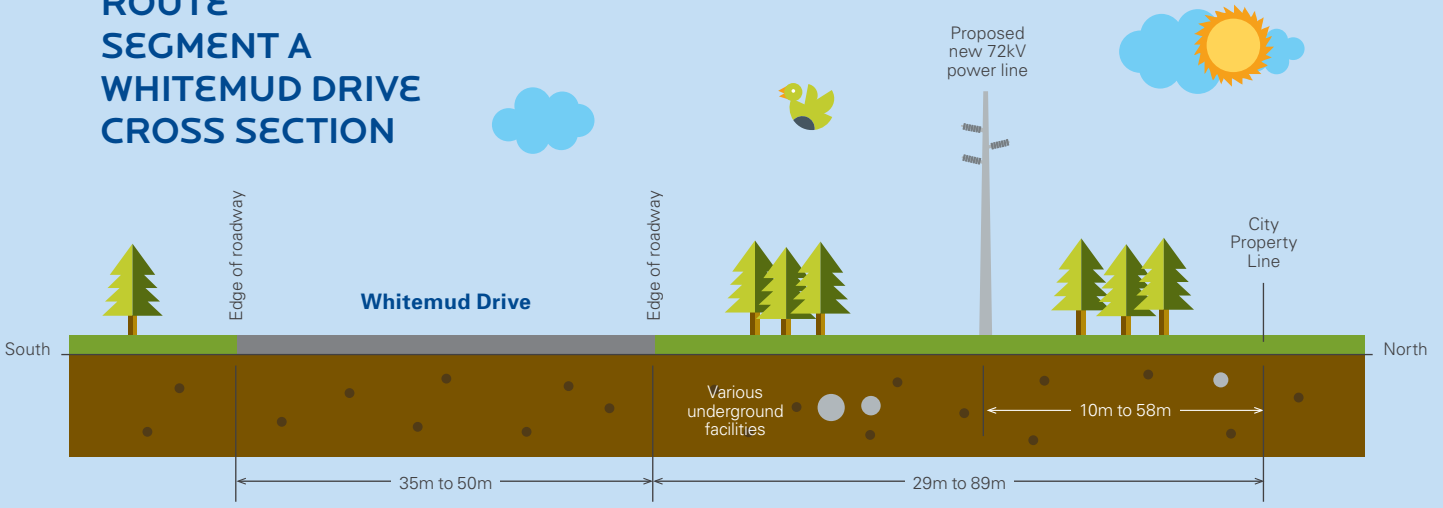
### What is a Transportation/Utility Corridor (TUC)?

The Government of Alberta established Restricted Development Areas (RDAs) in the mid-1970s, the lands in these areas were designated for TUC uses. As defined by the Government of Alberta the intended primary uses within TUCs are linear transportation and utility facilities, which includes power transmission lines.

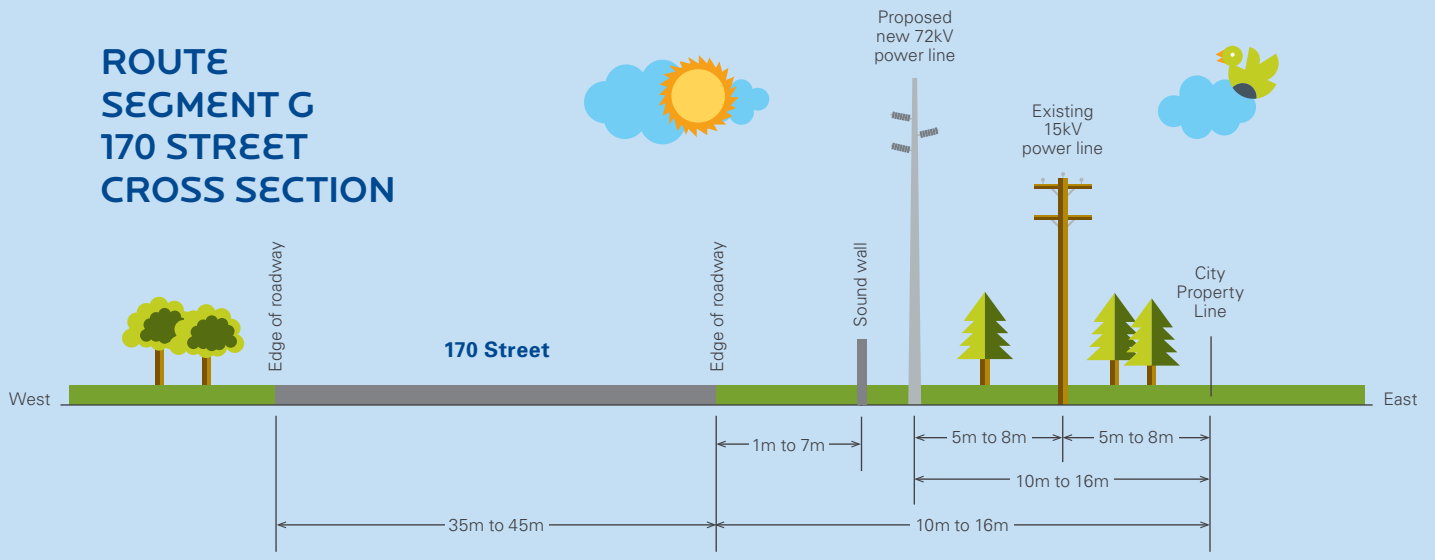
## ROUTE SEGMENT A TUC CROSS SECTION



## ROUTE SEGMENT A WHITEMUD DRIVE CROSS SECTION



## ROUTE SEGMENT G 170 STREET CROSS SECTION



\*Drawings are not to scale (NTS) and dimensions are approximate

## Future Routing Decisions

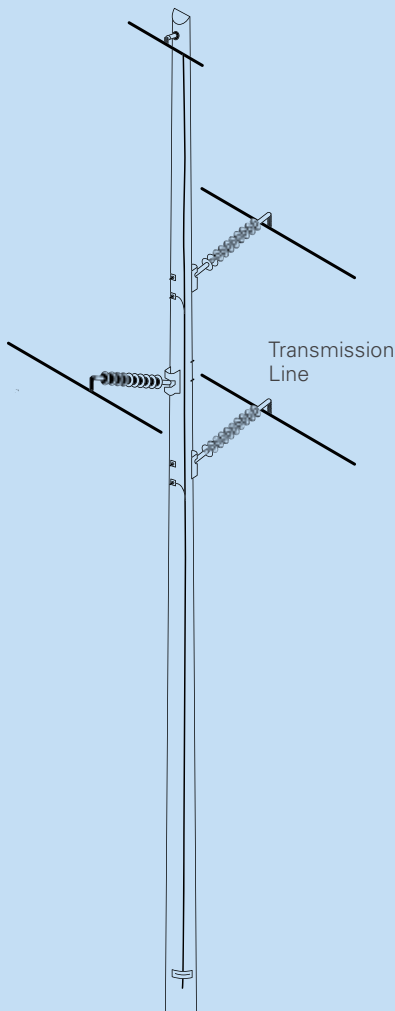
At this time, a preferred route has not been selected. After consulting on the routing refinements and new routing alternatives mentioned above, the project team will prepare a Facility Application to be filed in early 2018 with the Alberta Utilities Commission (AUC). This application will present a preferred route and any potential alternative routes identified by EPCOR. Following submission of the application, the public will continue to be able to provide feedback to both EPCOR and the AUC for consideration. If approved, the AUC will make the final decision on routing and one route will be approved for construction.

## Proposed Structure Type

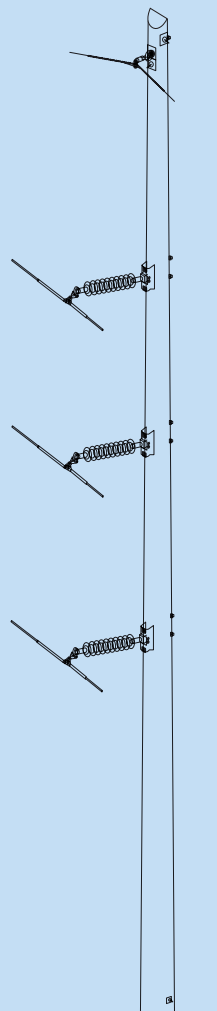
As shown below, the typical structures we are planning on using will be either wood or composite poles, ranging in height from approximately 18 to 26 metres. The poles will be single circuit, meaning they will have three wires strung across them and one overhead shield wire on top (refer to Structures A and B below). The diameter of the typical structures at the grounds surface will range between approximately 0.65 to 1.0 metres.

A portion of the proposed route follows an existing double-circuit distribution line, meaning they have two sets of three wires strung across them, one

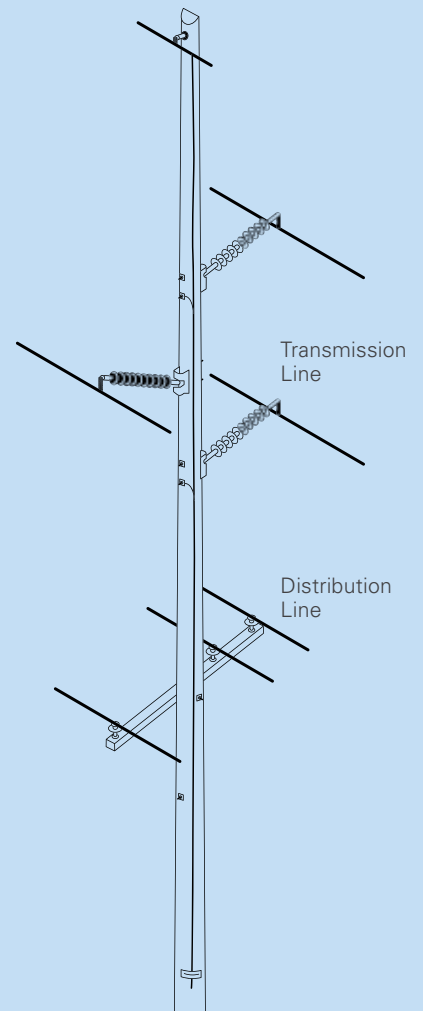
**STRUCTURE A**  
TRANSMISSION  
ONLY



**STRUCTURE B**  
TRANSMISSION  
ONLY



**STRUCTURE C**  
TRANSMISSION AND  
DISTRIBUTION



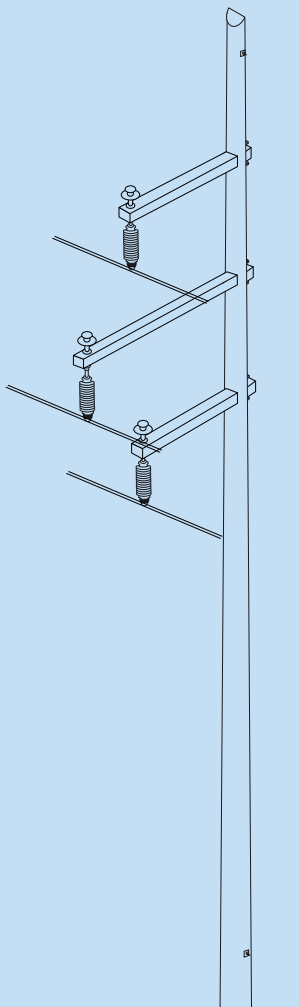
set on top of the other (shown as Route Segment H on the map). For this section, we propose to use the existing utility right-of-ways. This will involve removing and replacing some of the existing poles (approximately 14 metres tall) and installing new poles (as mentioned above ranging from 18 to 26 metres in height) that will have the new transmission line on top and one of the existing distribution circuits underneath (refer to Structure C above). One of the existing distribution circuits will be removed and relocated below ground.

A portion of Route Segment B (from the Poundmaker Substation to approximately 172 St

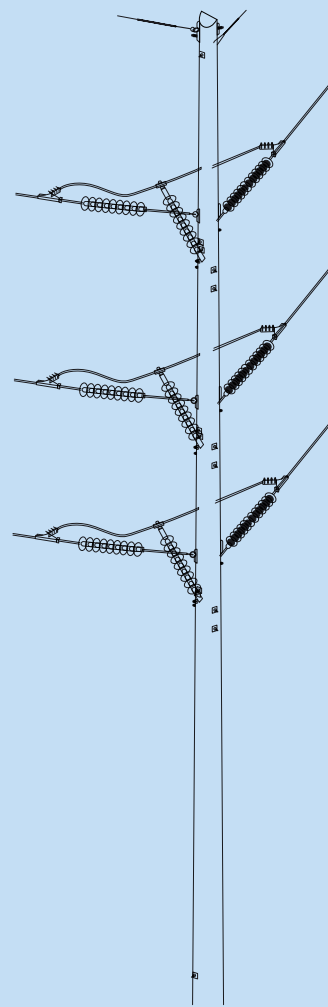
NW) follows an existing 240-kV transmission line that is only strung on one side of the structure. For this section, we propose to string the 72-kV transmission line on the unstrung side (refer to Structure D below).

The images shown below (Structures E, F, and G) represent examples of the non-typical structures that we may be required to use at certain locations along the transmission line, including where the line turns corners, has to span larger distances, or cross existing transmission lines. Non-typical structures may be wood, composite, or steel, ranging in height from approximately 18 to 34 metres.

**STRUCTURE D**  
EXISTING STRUCTURE,  
SINGLE SIDE STRUNG



**STRUCTURE E**  
SINGLE POLE VERTICAL  
DEAD END



The diameter of the non-typical structures at the ground surface will range between approximately 1.0 to 1.5 metres.

### Transmission Lines and Substations

Transmission lines are like highways, moving high-voltage electricity from generating stations to distribution points (called substations) where the high-voltage electricity gets stepped down to lower voltages.

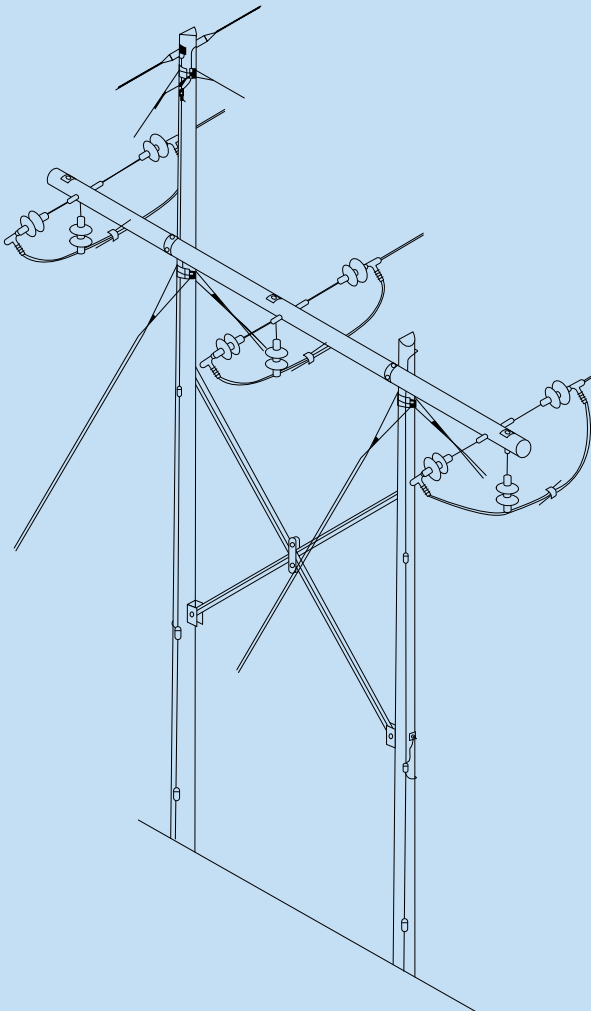
### Distribution Lines

Once voltages are stepped down at a substation, the electricity travels along distribution wires. These lines are the ones that leave a substation and make their way to our homes or businesses.

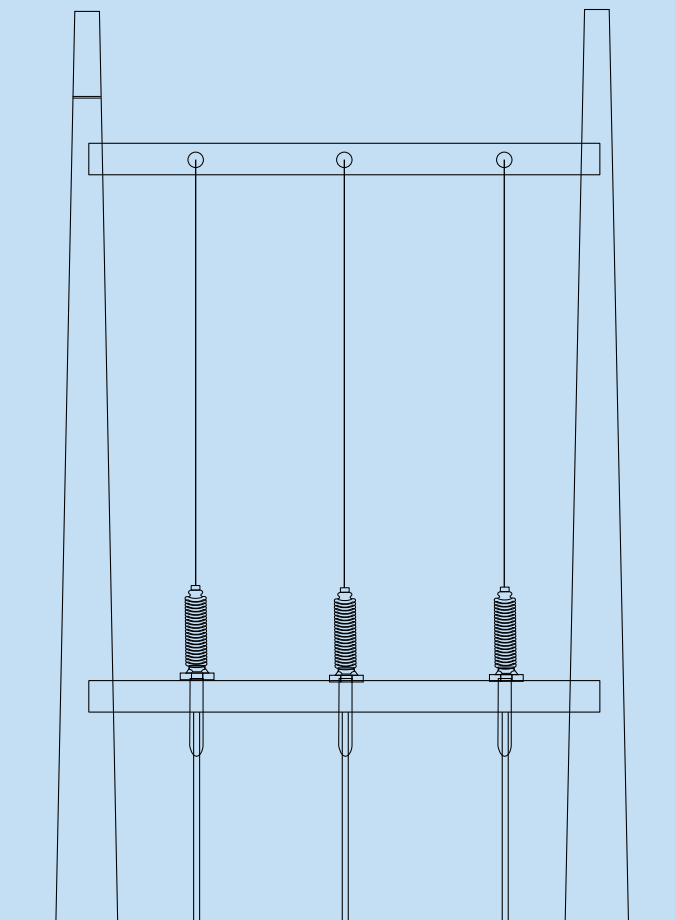
### Consultation Update

Throughout our discussions with stakeholders, various concerns and questions were brought forward. The following section outlines some of the more frequent feedback communicated by stakeholders, as well as how we have addressed or how we will address the concern.

**STRUCTURE F**  
TWO POLE DOUBLE  
DEAD END



**STRUCTURE G**  
SUBSTATION GANTRY  
STRUCTURE



*Structure G is proposed at the Meadowlark Substation. A similar structure is also proposed at the Poundmaker Substation.*

### Environmental Considerations

Stakeholders told us it is important to minimize potential impacts to the environment. In addition to refinements made to previously proposed routing to avoid or reduce potential impacts, additional routing was also developed that collectively considered potential environmental impacts. This included limiting disturbance to existing vegetation and natural areas, focusing on disturbed/developed areas (transportation corridors, industrial areas) and placing routing near other existing developments. Environmental impacts will be assessed as part of our Facility Application to the AUC.

### Visual Impacts

In order to reduce the potential visual impacts associated with the project, where possible, existing linear disturbances (roads, transmission/distribution lines) were followed or overbuilt and routing in residential and recreational areas was minimized to reduce the potential visual impacts associated with the project.

In determining routing options, we strive to be separated from residences while minimizing impacts to existing and planned underground utilities and infrastructure. For example, along Whitemud Drive, a major transportation corridor, proposed routing has been located as far from residences to the north as possible while still complying with separation requirements from the roadway and other subsurface utilities.

### Construction Impacts

We understand that construction impacts can be challenging; however, they are generally short term in nature and our construction staff will work as quickly and safely as possible to minimize any potential inconvenience. All proposed work spaces for the project will be safe and secure and construction activities will comply with the City of Edmonton bylaws. These include occupational health and safety requirements, as well as EPCOR's internal health, safety and environment program. It

is anticipated that work will be generally undertaken between 7:30 a.m. and 5 p.m. and it will comply with the City of Edmonton's Community Standards bylaw for noise control. You can expect to see activity that is typical to construction, including company or contractor vehicles and equipment in your neighbourhood. If approvals are granted, we anticipate that outages will be required in certain areas throughout construction. If a planned service power interruption is required in your area, we will notify you in advance.

If the AUC approves the facility application, we will provide you with more detailed information regarding potential construction impacts prior to any work starting.

### Noise

We do not anticipate an increased level of noise as a result of the proposed project and its operation. As part of the AUC's requirements, a Noise Impact Assessment (NIA) will be completed and submitted with the Facility Application to ensure that the proposed project will not exceed permissible sound levels (PSL).

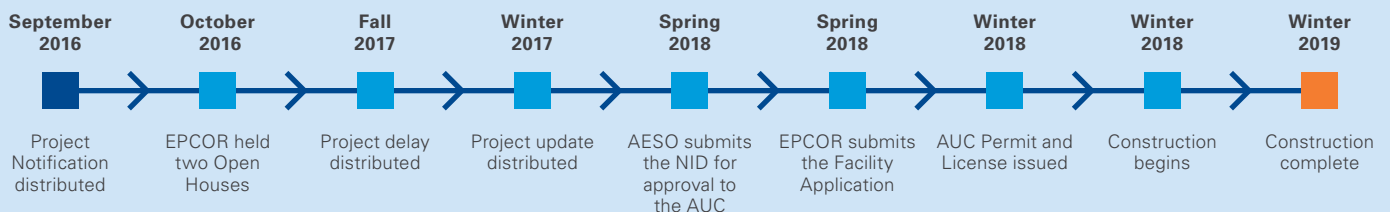
### The location of Route A in the TUC

We worked with Alberta Transportation, Alberta Infrastructure, and other stakeholders in the area to find a potential route that addresses numerous interests along the TUC. These interests include a location that would minimize impacts to residences, reduce potential environmental impacts, and consider proximity to existing and planned infrastructure within the TUC.

### Underground Routing Alternatives

The costs associated with installing underground transmission facilities are considerably more expensive than overhead. As a result, when evaluating potential routes and route refinements, EPCOR generally only considers underground transmission lines when there is not a viable above ground option.

## REVISED PROJECT TIMELINE



## The Regulatory Process

The AESO is responsible for determining the proposed transmission development, which involves adding the transmission line and the equipment at the Meadowlark and Poundmaker substations. The AESO will submit a Needs Identification Document (NID) with the AUC in spring, 2018 in support of this project.

The project team is preparing a Facility Application to be filed in spring 2018 with the AUC. Feedback we receive from stakeholders regarding the project will be incorporated as part of the Facility Application.

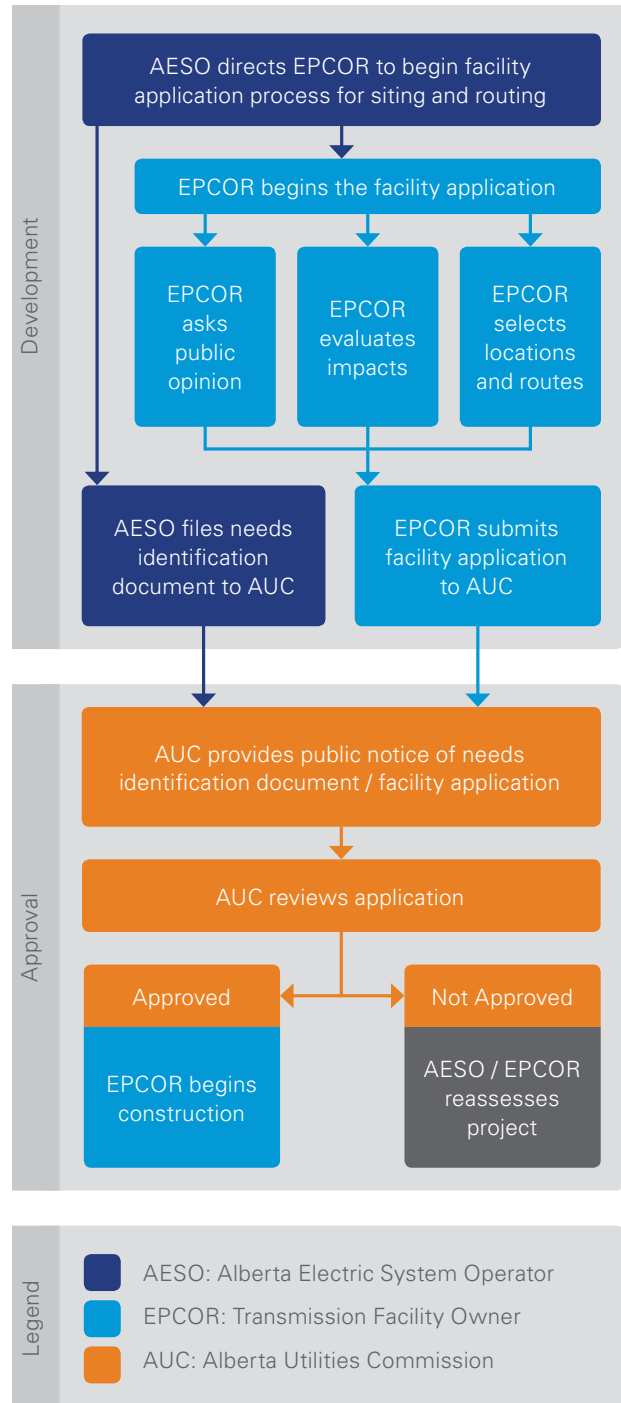
The AUC must approve the Needs Identification Document and the Facility Application before upgrades to the transmission system can begin. The final decision on routing will be made by the AUC and, although more than one route may be proposed by EPCOR, the AUC will approve one route. No construction can begin until all required approvals are in place. For more information on the regulatory process, including links to the AESO and AUC websites please visit our website at [www.epcor.com/consultation](http://www.epcor.com/consultation). We have also enclosed the AESO'S Updated Need Overview and the AUC's brochure entitled Public Involvement in a Proposed Utility Development for more information about how you can participate in the regulatory process.

### More about 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 Update 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 concerns known to an EPCOR representative who will communicate them to the AESO on your behalf. This process may include disclosure of your personal information to the AESO.

### More about the Alberta Utilities Commission (AUC)

The AUC is an independent, quasi-judicial agency of the province of Alberta. The AUC is responsible to ensure that the delivery of Alberta's utility service takes place in the public interest. The AUC



must approve this project before upgrades to the system can begin. For more information about how you can participate in the process, please visit the AUC website.

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

# CONTACT US

As we move forward, we are committed to consulting with you. We will continue to involve you in the process, address your concerns and to respond to your questions. Your feedback regarding this project is important to us and will be directly incorporated into the Facility Application that we will file with the AUC.

If you have any questions or would like to provide input on the project, please contact us:

**780-412-4040**

**[consultation@epcor.com](mailto:consultation@epcor.com)**

**[www.epcor.com/consultation](http://www.epcor.com/consultation)**

For more information about the need for this project please contact:

**Alberta Electric System Operator (AESO)**

**1-888-866-2959**

**[Stakeholder.relations@aeso.ca](mailto:Stakeholder.relations@aeso.ca)**

**[powerinalberta.com](http://powerinalberta.com)**

For more information about the regulatory process please contact:

**Alberta Utilities Commission (AUC)**

**780-427-4903 (for toll-free access, dial 310-0000 before the 10 digit number)**

**[auc.ab.ca](http://auc.ab.ca)**



EPCOR respects your right to privacy. Any personal information we collect about you, including your name, address, phone number and email address will be used only in regards to this project. Please visit [epcor.com](http://epcor.com) for more information on EPCOR's Privacy Policy.



**Attachment 9 – EDTI’s Round 2 Project Newsletter –*Upgrades to the Garneau Substation Project Update (December 2017)***



2000 – 10423 101 St NW,  
Edmonton, Alberta  
T5H 0E8 Canada  
[epcor.com](http://epcor.com)

December 8, 2017

**Re: EPCOR'S UPGRADES TO THE GARNEAU SUBSTATION PROJECT**

To Whom It May Concern:

EPCOR is planning upgrades to the Garneau substation, which is located at 11117-85 Ave in Edmonton, AB. EPCOR previously distributed project related information to residents near the substation in January and September, 2017. We are sending this letter to accompany the enclosed updated Need Overview document from the Alberta Electric System Operator (AESO), an independent, not-for-profit organization responsible for the safe, reliable and economic planning and operation of the provincial transmission grid.

The Need Overview states that the AESO has revised its solution to respond to the request for transmission system access made by EPCOR, however the scope of the proposed project at the Garneau Substation has not changed from the information provided by EPCOR and the AESO in January, 2017. We are still proposing to replace the three existing transformers in the substation to improve the reliability of our transmission system and meet the increased demand for power in the area. You can view further information regarding the proposed project at [epcor.com/consultation](http://epcor.com/consultation).

Over the past year, we have been consulting with area landowners, occupants, residents and other interested parties to gather feedback about our proposal. The AESO is planning on filing their Needs Identification Document and EPCOR is planning on filing our Facility Application with the Alberta Utilities Commission (AUC) in Spring, 2018. The AUC must approve these applications before EPCOR can begin work. We have enclosed a copy of the AUC's brochure entitled *Public Involvement in a Proposed Utility Development* for more information about how you can participate in the regulatory process.

If you have any questions or concerns about the need for this project you may contact the AESO directly at 1-888-866-2959 or [stakeholder.relations@aesocanada.com](mailto:stakeholder.relations@aesocanada.com). You can also make your questions or concerns known to an EPCOR representative who will collect your personal information for the purpose of providing your questions and/or concerns to the AESO. This process may include disclosure of your personal information to the AESO. If you have any questions or concerns regarding the upgrades to the substation, you can contact us at 780-412-4040 or [Consultation@epcor.com](mailto:Consultation@epcor.com).

Regards,

The Upgrades to the Garneau Substation Project Team

Enclosures:

- AESO Document: Updated Need Overview
- AUC Brochure: *Public Involvement in a Proposed Utility Development*

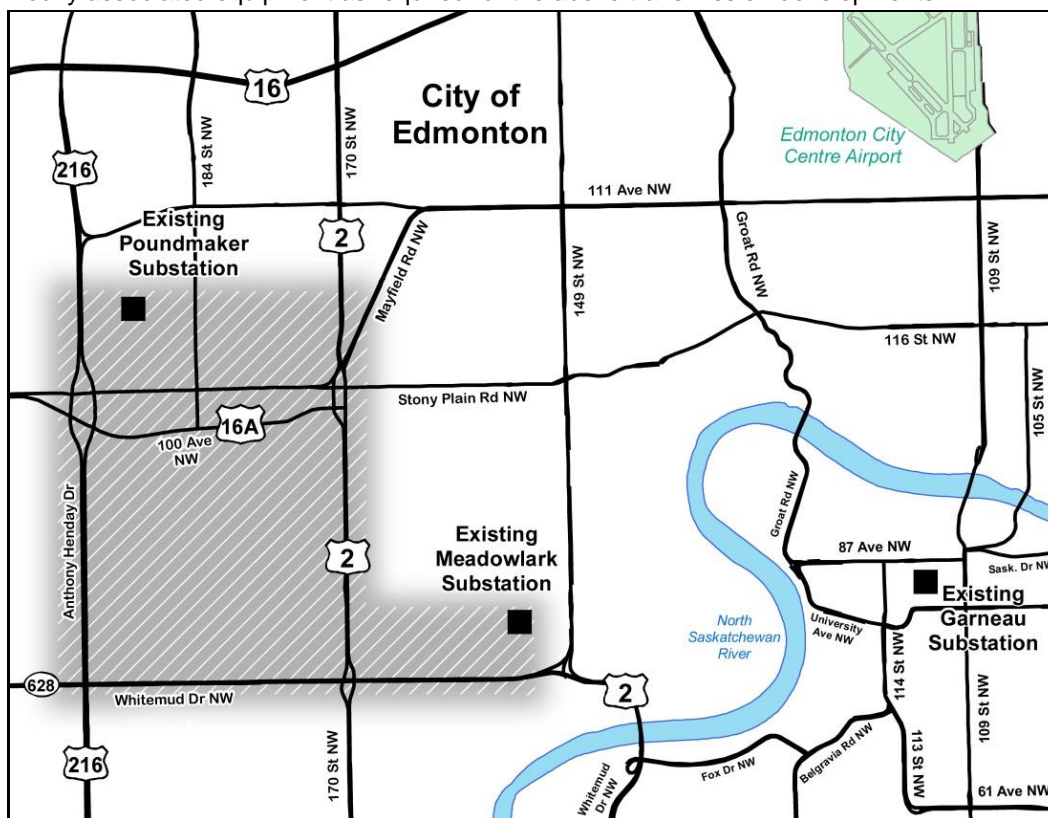
**Attachment 10 – AESO Notification of NID Filing (September 2018)**

## Notification of Needs Identification Document Filing Addressing the Need for the Transmission Enhancements in the West Edmonton Area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the Transmission Enhancements in the West Edmonton Area with the Alberta Utilities Commission (AUC) on or after September 28, 2018.

EPCOR Distribution and Transmission Inc. (EPCOR) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the west Edmonton area. EPCOR's request can be met by the following solution:

- Add a new 72 kilovolt (kV) transmission line from the existing Poundmaker substation to the existing Meadowlark substation.
- Upgrade the Poundmaker substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker and one 72 kV circuit breaker.
- Modify the Meadowlark substation, including adding two 72 kV circuit breakers.
- Upgrade the existing Garneau substation, including replacing three existing 72/14.4 kV transformers with three 72/14.4 kV transformers of higher capacity.
- Add or modify associated equipment as required for the above transmission developments.



The shaded area on the map indicates the approximate location of the proposed 72 kV transmission line. The specific transmission facilities may extend beyond the shaded area shown. The black squares on the map indicate the approximate location of the existing substations which are located at 18944 105 Avenue (Poundmaker substation), 15404 84 Avenue (Meadowlark substation) and 11117 85 Avenue (Garneau substation).

EPCOR is the transmission facility owner (TFO) in the west Edmonton area. In September 2016, the AESO and the TFO began presenting this need to stakeholders, including residents, occupants, and landowners. The AESO will apply to the AUC for approval of the need for this transmission development. Once filed with the AUC, the NID will be posted on the AESO website at <https://www.aeso.ca/grid/projects/transmission-enhancements-in-the-west-edmonton-area/>. In a separate application, called a 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 11 – AESO Stakeholder Newsletter NID Filing Notice (September 13, 2018)**

September 13, 2018

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# AESO Stakeholder Newsletter



## Transmission Enhancements in the West Edmonton Area – Notice of NID Filing

EPCOR Distribution and Transmission Inc. (EPCOR) has applied to the AESO for transmission system access to reliably serve growing demand for electricity in the west Edmonton area. EPCOR's request can be met by the following solution:

- Add a new 72 kilovolt (kV) transmission line from the existing Poundmaker substation to the existing Meadowlark substation
- Upgrade the Poundmaker substation, including adding one 240/72 kV transformer, one 240 kV circuit breaker and one 72 kV circuit breaker
- Modify the Meadowlark substation, including adding two 72 kV circuit breakers
- Upgrade the existing Garneau substation, including replacing three existing 72/14.4 kV transformers with three 72/14.4 kV transformers of higher capacity
- Add or modify associated equipment as required for the above transmission developments

The AESO intends to file the Transmission Enhancements in the West Edmonton Area Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after Sept. 28, 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 > Transmission Enhancements in the West Edmonton Area to see all the relevant documents, including the NID application once it is filed with the AUC.

Please note this project was previously titled “West Edmonton Transmission Upgrade Project.”