

APPENDIX C AESO PIP

1. Introduction

From February 2022 to September 2022, the AESO conducted a Participant Involvement Program (PIP) regarding the *Transmission Enhancements in the Northeast Edmonton Area Needs Identification Document* (NID). The AESO directed the legal owner of transmission facilities (TFO), in this case EPCOR Distribution & Transmission Inc. (EDTI) to assist the AESO in providing notification as part of the AESO's PIP.

The AESO's PIP is designed to notify Stakeholders and Indigenous groups in the area where the AESO has reasonably determined that facilities could be installed to implement the AESO's preferred option to respond to the request for system access service (collectively, Stakeholders).

The AESO's PIP has been conducted in accordance with the requirements of Section 7.1.2, NID12 and Appendix A2 of the current Alberta Utilities Commission (Commission) Rule 007 (AUC Rule 007), effective April 25, 2022.

2. Stakeholder and Indigenous Group Notification

The AESO developed a one-page AESO Need Overview document with the purpose of notifying Stakeholders of the following items:

- a description of the need for development;
- a description of the AESO's preferred option to respond to the system access service request;
- identification of the general area where facilities could be installed to implement the AESO's preferred option to respond to the system access service request;
- the AESO's contact information, including telephone, email and website, for further information; and
- the AESO's next steps.

A copy of the Need Overview was posted to the AESO website at <https://www.aeso.ca/grid/transmission-projects/transmission-enhancements-in-the-northeast-edmonton-area-2453/> and a notice was published in the AESO Stakeholder Newsletter on February 8, 2022. Copies of the Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 1 and 2, respectively. The Need Overview was also included with the TFO's project-specific information package that was distributed to Stakeholders, as further described in Section 2.1.

2.1 Stakeholders Notified in the TFO's PIP

The TFO has advised the AESO that its PIP included notification to occupants, residents and landowners within the first row of development surrounding the proposed project right of way as recommended by the Commission in Appendix A1 of AUC Rule 007.¹

The TFO notified a total of approximately 153 Stakeholders, 41 of which were classified as private or individual landowners. The Indigenous consultation category applied by the TFO to this project was Category B as found in Appendix A1-B of AUC Rule 007, however the TFO chose to notify 2 Indigenous

¹ EDTI has identified its facility application to be of the type: *Overhead transmission line and new substation development – rural or industrial setting* and *Substation developments within existing facilities, where there is no change in the substation fence line and which create minimal visual or noise impact – rural and industrial*, as categorized in AUC Rule 007, Appendix A1, Section 5.

groups: Enoch Cree Nation and Paul First Nation. The other 110 notified Stakeholders are listed in Attachment 3.

Attachment 4 includes the TFO's project newsletter, which was included with the AESO Need Overview in the TFO project-specific information package that was distributed to the Stakeholders described above between February 7, 2022 and June 16, 2022. The TFO's project newsletter and the AESO Need Overview were also posted on the TFO's project-specific webpage at <http://www.epcor.com/consultation> on February 7, 2022. The TFO's project newsletter included the AESO's contact information, a description of the AESO's role, a reference to the AESO Need Overview, and an invitation to contact the TFO or the AESO for additional information.

3. Filing Notification

Most recently, the AESO notified Stakeholders of its intention to submit the NID to the Commission by way of a posting to the AESO website at <https://www.aeso.ca/grid/transmission-projects/transmission-enhancements-in-the-northeast-edmonton-area-2453/> and a publishing notice in the AESO Stakeholder Newsletter on September 13, 2022. Copies of the AESO website posting and the AESO Stakeholder Newsletter notice have been included as Attachments 5 and 6, respectively.

4. Responding to Questions and Concerns

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

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

5. Concerns and Objections Raised

The TFO has advised the AESO that none of the Stakeholders and Indigenous Groups notified by the TFO identified any concerns or objections regarding the AESO's preferred option to respond to the system access service request or the need for development.

The AESO has not received any indication of concerns or objections from any party about the AESO's preferred option to respond to the system access service request or the need for development.

6. List of Attachments

- Attachment 1 – AESO Need Overview (February 2022)
- Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 8, 2022)
- Attachment 3 – Notified Stakeholder List (February 7 to June 16, 2022)
- Attachment 4 – TFO Project Newsletter – *Clover Bar Interconnection Project – The Edmonton Net-Zero Hydrogen Energy Complex* (February 2022)

- Attachment 5 – AESO Public Notification of NID Filing Website Posting (September 2022)
- Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (September 13, 2022)

Attachment 1 – AESO Need Overview (February 2022)

Need for Transmission Enhancements in the Northeast Edmonton area

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve a new industrial demand for electricity in the Northeast Edmonton area. EPCOR's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line to connect a new industrial facility to the existing Clover Bar 987S substation in a radial configuration.
- Modify the Clover Bar 987S substation, including adding two 240 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

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

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

THE AESO

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

EPCOR

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

WHO IS THE AESO?

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

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

CONTACT US

Alberta Electric System Operator

AESO Stakeholder Relations
stakeholder.relations@aes0.ca
1-888-866-2959

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

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

Attachment 2 – AESO Stakeholder Newsletter Need Overview Notice (February 8, 2022)

February 8, 2022

AESO Stakeholder Newsletter



Need for Transmission Enhancements in the Northeast Edmonton area

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

- Add one 240 kilovolt (kV) transmission line to connect a new industrial facility to the existing Clover Bar 987S substation in a radial configuration.
- Modify the Clover Bar 987S substation, including adding two 240 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments

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

Attachment 3 - Notified Stakeholder List (February 7 to June 16, 2022)

Notified Stakeholder List

Stakeholder #	Stakeholder	Stakeholder type	Rationale for Inclusion
1	1249116 Alberta Ltd.	Land owner	Land Owner in Project Area
2	1425111 Alberta Ltd.	Land owner	Land Owner in Project Area
3	1881426 Alberta Ltd.	Land owner	Land Owner in Project Area
4	2093414 Alberta Ltd.	Land owner	Land Owner in Project Area
	ENG-Con C/O 2093414 Alberta Ltd.	Occupant	Occupant in Project Area
5	638380 Alberta Ltd.	Land owner	Land Owner in Project Area
6	748846 Alberta Ltd.	Land owner	Land Owner in Project Area
7	Aaron Paquette - City of Edmonton - City Council (Councillor - Ward Dene)	City Councillor	Local Authority
8	Access Pipeline Inc. W/O Wolf Midstream	Interest holder	Interest Holder in Project Area
9	AGI Rentals Limited (Previously Aecon Construction Group Inc.)	Land owner	Land Owner in Project Area
10	Air Liquide Canada Inc.	Interest holder	Interest Holder in Project Area
11	Air Products Canada Ltd.	Customer	Customer
12	Alberta Environment and Parks	Land owner	Land Owner in Project Area
	Her Majesty The Queen In The Right Of Alberta As Represented By Minister Of Lands And Forests C/O Alberta Environment and Parks	Land owner	Land Owner in Project Area
	Her Majesty The Queen In The Right Of Alberta As Represented By Minister Of Mines And Minerals C/O Alberta Environment and Parks	Land owner	Land Owner in Project Area
	Her Majesty The Queen In The Right Of Alberta As Represented By Minister Of The Environment C/O Alberta Environment and Parks	Interest holder	Interest Holder in Project Area
13	Alberta Industrial Heartland Association	General stakeholder	Potentially Interested Party
14	Alberta Infrastructure	Land owner	Land Owner in Project Area
	Her Majesty The Queen In The Right Of Alberta C/O Alberta Infrastructure	Land owner	Land Owner in Project Area
15	Albert Maria Lamoral Miguel Johannes Gabriel Prince Of Thurn Und Taxis	Interest holder	Interest Holder in Project Area
16	Altgas Holdings Inc.	Interest holder	Interest Holder in Project Area
17	Altalink Management Ltd.	Land owner	Land Owner in Project Area
18	Amarjeet Sohi - City of Edmonton - City Council (Mayor)	Mayor	Local Authority
19	Angotti Holdings Inc.	Land owner	Land Owner in Project Area
20	ATCO Gas and Pipelines Ltd.	Land owner	Land Owner in Project Area
21	B.A.C.M Limited C/O Genstar Limited	Interest holder	Interest Holder in Project Area
22	Canadian Forest Products Ltd.	Land owner	Land Owner in Project Area
23	Canadian Industrial Gas Limited	Interest holder	Interest Holder in Project Area
24	Canadian National Railway Company	Land owner	Land Owner in Project Area
	Gtp Railway Company C/O Canadian National Railway Co	Interest holder	Interest Holder in Project Area
25	Canadian Pacific Railway Company	Land owner	Land Owner in Project Area
	Canadian Pacific Limited C/O Canadian Pacific Railway Company	Interest holder	Interest Holder in Project Area
26	Capital Aggregate Recycling Ltd.	Land owner	Land Owner in Project Area
27	Capital Power Inc.	Land owner	Land Owner in Project Area
	Capital Power Corporation C/O Capital Power Inc.	Interest holder	Interest Holder in Project Area
	Capital Power Generation Services Inc. C/O Capital Power Inc.	Land owner / Interest Holder	Land Owner / Interest Holder in Project Area
	Capital Power Gp Holdings Inc. C/O Capital Power Inc.	Interest holder	Interest Holder in Project Area
28	Capital Region Northeast Water Services Commission	Interest holder	Interest Holder in Project Area
29	Capital Region Sewage Commission	Interest holder	Interest Holder in Project Area
30	Capital Truck and Body	Occupant	Occupant in Project Area
31	City of Edmonton	Interest holder	Interest Holder in Project Area
32	Clean Harbors Industrial Services Canada, Inc.	Land owner	Land Owner in Project Area
33	Cloverbar Sand & Gravel Ltd.	Occupant	Occupant in Project Area
34	CORD	Occupant	Occupant in Project Area
35	Crc-Evans Canada Ltd.	Land owner	Land Owner in Project Area
36	DCT Chambers Trucking Ltd.	Land owner	Land Owner in Project Area
37	Demesne Sherwood Park Ltd.	Land owner	Land Owner in Project Area
38	Deron Bilous - Government of Alberta (MLA Edmonton-Beverly-Clareview)	MLA	Local Authority
39	Dirty Dirt Land Corp.	Land owner	Land Owner in Project Area
40	E Construction Ltd.	Land owner	Land Owner in Project Area
41	Edmonton Police Service C/O Nixon Training Centre	Occupant	Occupant in Project Area
42	Edmonton Waste Management Centre	Occupant	Occupant in Project Area
43	Enbridge Pipelines (Athabasca) Inc.	Interest holder	Interest Holder in Project Area
	Enbridge Pipelines (Woodland) Inc. C/O Enbridge Pipelines (Athabasca) Inc.	Interest holder	Interest Holder in Project Area

44	Enerkem Alberta Biofuels G.p. Inc.	Land owner	Land Owner in Project Area
45	Enoch Cree Nation #440	Indigenous community	Potentially Interested Party
46	Environmental 360 Solutions Inc.	Interest holder	Interest Holder in Project Area
	OneEnvironmental C/O Environmental 360 Solutions Inc.	Occupant	Occupant in Project Area
47	Epcor Distribution & Transmission Inc.	Interest holder	Interest Holder in Project Area
	Edmonton Power Distribution Inc. C/O Epcor Distribution & Transmission Inc.	Interest holder	Interest Holder in Project Area
	Edmonton Power Inc. C/O Epcor Distribution & Transmission Inc.	Interest holder	Interest Holder in Project Area
48	EPCOR Water Services, Inc (EWSI)	Land owner	Land Owner in Project Area
49	Evrax Canada Holding Company Ltd.	Land owner	Land Owner in Project Area
50	Evrax Inc. NA Canada	Interest holder	Interest Holder in Project Area
	Ipsco Recycling Inc. C/O EVRAZ Inc. NA Canada	Interest holder	Interest Holder in Project Area
	Ipsco Saskatchewan Inc. C/O EVRAZ Inc. NA Canada	Interest holder	Interest Holder in Project Area
51	Federated Co-Operatives Limited	Land owner	Land Owner in Project Area
52	Focus Equities Alberta Inc.	Land owner	Land Owner in Project Area
53	Fortis Alberta	Interest holder	Interest Holder in Project Area
54	Franco-Nevada Corporation	Mineral rights holder	Interest Holder in Project Area
55	Garnett Genuis - MP Sherwood Park-Fort Saskatchewan	MP	Local Authority
56	General Mechanical Civil (GMC)	Occupant	Occupant in Project Area
57	Gibson Energy Ulc	Interest holder	Interest Holder in Project Area
58	Global Humic Products	Land owner	Land Owner in Project Area
59	Her Majesty The Queen In The Right Of Alberta As Represented By Minister Of Transportation - Alberta Transportation	Interest holder	Interest Holder in Project Area
	Her Majesty The Queen In The Right Of Alberta As Represented By The Minister Of Highways - Alberta Transportation	Interest holder	Interest Holder in Project Area
60	Her Majesty The Queen In The Right Of Canada C/O The Minister of National Defence - NAV Canada	Interest holder	Interest Holder in Project Area
	Her Majesty The Queen In The Right Of Canada C/O NAV Canada	Interest holder	Interest Holder in Project Area
61	I.G.F. Investments Ltd. (O/A F.G.I)	Land owner	Land Owner in Project Area
62	Imperial Oil Resources Limited	Interest holder	Interest Holder in Project Area
63	Integrated Private Debt Fund Gp Inc.	Interest holder	Interest Holder in Project Area
64	Inter Pipeline Ltd.	Interest holder	Interest Holder in Project Area
	Cold Lake Pipeline Ltd. C/O Inter Pipeline Ltd.	Interest holder	Interest Holder in Project Area
	Inter Pipeline (corridor) Inc. C/O Inter Pipeline Ltd.	Interest holder	Interest Holder in Project Area
65	Jackson Homesteaders Farms Ltd.	Occupant	Occupant in Project Area
66	Keyera Energy Ltd.	Interest holder	Interest Holder in Project Area
	Alberta Diluent Terminal Ltd. C/O Keyera Energy Ltd.	Interest holder	Interest Holder in Project Area
	Celanese Canada Inc C/O Keyera Energy Ltd.	Interest holder	Interest Holder in Project Area
67	Kiewit Energy Canada Corp.	Land owner	Land Owner in Project Area
68	Kramer's Technical Services Inc.	Interest holder	Interest Holder in Project Area
69	Lafarge Canada Inc.	Interest holder	Interest Holder in Project Area
	The Warren Paving & Materials Group Limited C/O Lafarge Canada Inc.	Interest holder	Interest Holder in Project Area
70	Maclab Enterprises Ltd.	Mineral rights holder	Interest Holder in Project Area
71	Mammoet Crane Inc.	Land owner	Land Owner in Project Area
72	Mph Gp Inc.	Land owner	Land Owner in Project Area
73	Mt Investments Inc.	Land owner	Land Owner in Project Area
74	National Trust Company Limited C/O Scotiabank	Mineral rights holder	Interest Holder in Project Area
75	North 67 Transport Inc.	Land owner	Land Owner in Project Area
76	Nps Farms Ltd.	Interest holder	Interest Holder in Project Area
77	Obcorp Holdings Inc.	Land owner	Land Owner in Project Area
78	Paragon Capital Corporation Ltd.	Interest holder	Interest Holder in Project Area
79	Park Paving Ltd.	Land owner	Land Owner in Project Area
80	Patren Enterprises Ltd.	Land owner	Land Owner in Project Area
	Westward Transport Inc C/O Patren Enterprises Ltd.	Occupant	Occupant in Project Area
81	Paul First Nation	Indigenous community	Potentially Interested Party
82	Pembina Pipeline Corporation	Land owner	Land Owner in Project Area
	Pembina Marketing Ltd. C/O Pembina Pipeline Corporation	Land owner / Interest Holder	Land Owner / Interest Holder in Project Area
	Alberta Ethane Development Company Ltd C/O Pembina Pipeline Corporation	Interest holder	Interest Holder in Project Area
83	Penn West Petroleum Ltd. C/O Obsidian Energy	Interest holder	Interest Holder in Project Area
84	Plains Midstream Canada Ulc	Interest holder	Interest Holder in Project Area
	Dome Petroleum Limited C/O Plains Midstream	Interest holder	Interest Holder in Project Area

85	Public Administrator For The Judicial District Of Edmonton	Mineral rights holder	Interest Holder in Project Area
86	Re-Em Holdings Ltd.	Land owner	Land Owner in Project Area
87	Ric New Brunswick Inc.	Land owner	Land Owner in Project Area
88	Rogers Communications Inc.	Interest holder	Interest Holder in Project Area
89	SA Energy Group	Occupant	Occupant in Project Area
90	Saskatoon Leaseholds Limited	Mineral rights holder	Interest Holder in Project Area
91	Sba Canada, Ulc	Interest holder	Interest Holder in Project Area
92	Shell Canada Limited	Interest holder	Interest Holder in Project Area
93	Strathcona Lands Gp Inc.	Land owner	Land Owner in Project Area
94	Summit (12311-17 Street Ne) Ltd.	Land owner	Land Owner in Project Area
95	Suncor Energy Inc.	Interest holder	Interest Holder in Project Area
96	Sureway Contracting Ltd.	Land owner	Land Owner in Project Area
97	TC Energy	Interest holder	Interest Holder in Project Area
	Nova Chemicals Corporation C/O TC Energy	Interest holder	Interest Holder in Project Area
	Grand Rapids Pipeline Gp Ltd. C/O TC Energy	Interest holder	Interest Holder in Project Area
98	Telus Communications (Edmonton) Inc.	Interest holder	Interest Holder in Project Area
	AGT C/O Telus	Interest holder	Interest Holder in Project Area
	Edmonton Telephones Corporation C/O Telus Communications (Edmonton) Inc.	Interest holder	Interest Holder in Project Area
	Tm Mobile Inc. C/O Telus Communications (Edmonton) Inc.	Interest holder	Interest Holder in Project Area
99	Terra Ferma Holdings Ltd.	Land owner	Land Owner in Project Area
100	Terrapro Inc.	Land owner	Land Owner in Project Area
101	Tervita Corporation C/O Secure Energy	Land owner	Land Owner in Project Area
102	The County Of Strathcona No. 20	Interest holder	Interest Holder in Project Area
103	The Governors Of The University Of Alberta	Interest holder	Interest Holder in Project Area
104	The Imperial Pipe Line Company, Limited	Interest holder	Interest Holder in Project Area
105	Transport Canada	Interest holder	Interest Holder in Project Area
106	Tremcar West Inc.	Land owner	Land Owner in Project Area
107	Trimac Transportation	Occupant	Occupant in Project Area
	McCaig Real Estate Limited C/O Trimac Transportation	Land owner	Land Owner in Project Area
108	Watrin Grain Ltd	Occupant	Occupant in Project Area
109	Westcan Bulk Transport Ltd.	Interest holder	Interest Holder in Project Area
110	West Coast Reduction Ltd.	Land owner	Land Owner in Project Area
111	Western Midstream	Occupant	Occupant in Project Area
112	York Realty Inc.	Land owner	Land Owner in Project Area

Attachment 4 – TFO Project Newsletter (February 2022)

PROJECT NOTICE

Clover Bar Interconnection Project - The Edmonton Net-Zero Hydrogen Energy Complex

FEBRUARY 2022

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

This project involves a proposed new transmission line in northeast Edmonton to interconnect Air Products' proposed new net-zero hydrogen production facility to the Clover Bar Substation.

PROJECT DETAILS

To support Air Products' proposed new net-zero hydrogen production facility, EPCOR is proposing to construct a new 240 kilovolt (kV) single circuit, above-ground transmission line from the existing EPCOR owned Clover Bar Substation to a proposed new substation which will be owned and operated by Air Products.

The new transmission line will connect the proposed Air Products' substation to the electrical system.

The proposed project includes:

- Constructing approximately four kilometers (km) of above-ground 240 kV transmission line from the Clover Bar Substation, located at 1515 – 130 Avenue to a proposed customer owned substation within the Air Products' site located in the Clover Bar Area;
- Adding two 240 kV circuit breakers, associated switches and equipment within the existing Clover Bar Substation fence line.

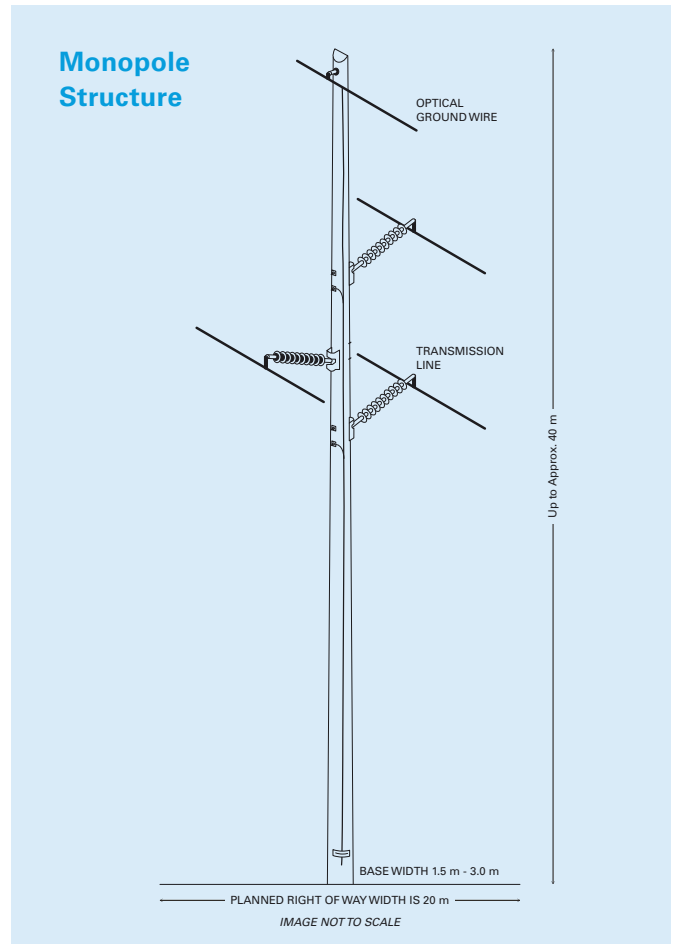
WHAT WILL THE NEW TRANSMISSION LINE LOOK LIKE?

If approved, the 240 kV transmission line will be built above ground using monopole structures, with heights up to approximately 40 metres (m). Base width can range from 1.5 m to 3.0 m depending on the type of foundation selected

through the design process. The poles will be single-circuit, meaning they will have three wires strung across them and an overhead optical ground wire on top. The average distance between structures will be approximately 300 m.

Lattice steel structures, wood poles, or structures with wider bases, and the use of guy-wires may be required at certain locations along the line. These structures may be installed where the line turns corners or has to span larger distances.

Structure details and locations will be dependent on the route approved and the final design.



PROPOSED TRANSMISSION LINE ROUTING CONSIDERATIONS

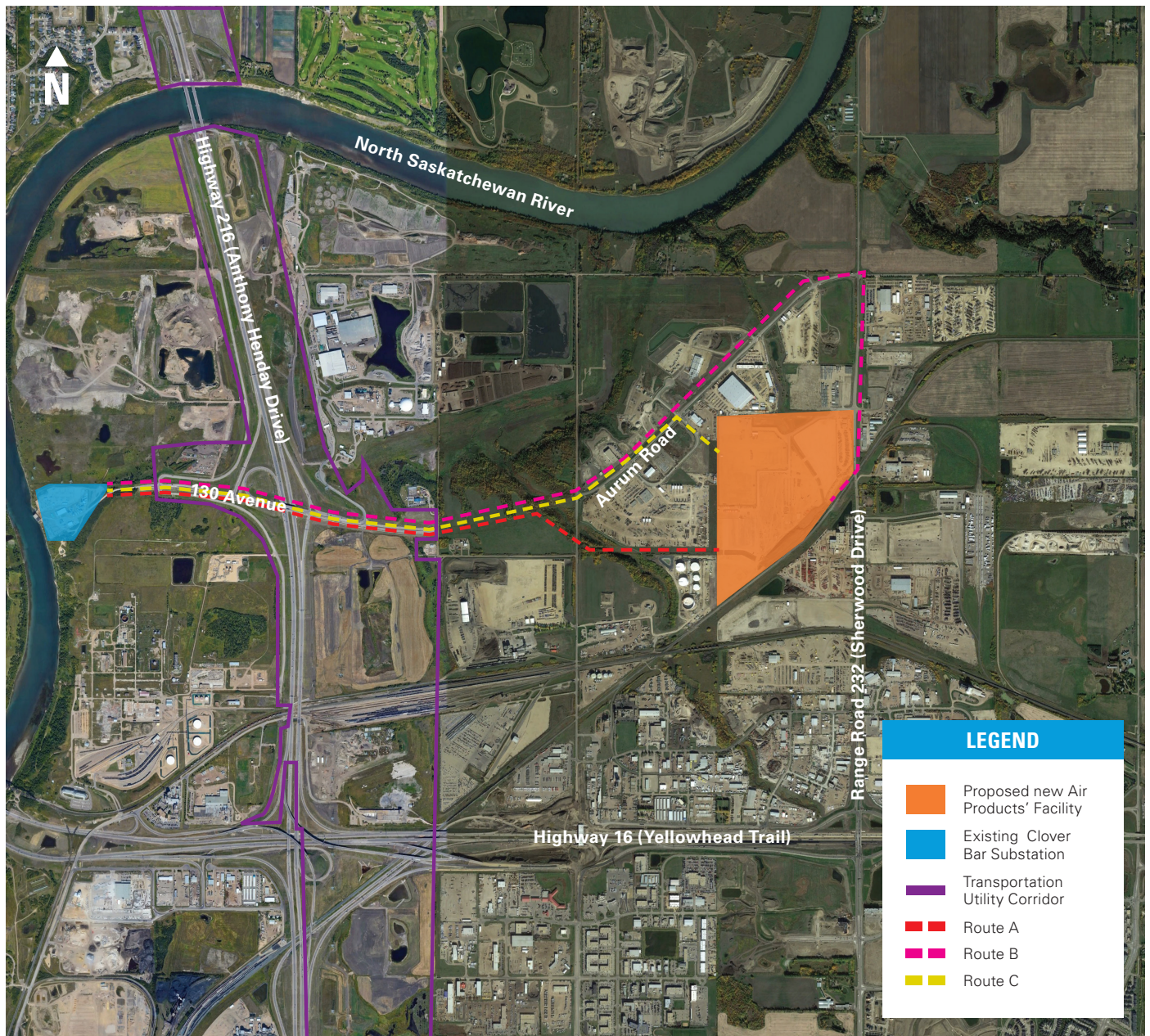
During the process of determining potential routes, EPCOR takes the following factors into consideration in an effort to find routes with the lowest overall impact:

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

We compared the relative effects of these factors and identified three potential route options for the proposed transmission line as shown on the map below. We proposed these route options because they generally follow existing linear disturbances such as roadways, designated transportation utility corridors and existing underground utilities.

After receiving input from the public, considering the potential environmental impacts and reviewing technical requirements, EPCOR 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, only one of the proposed routes will be constructed between the Clover Bar Substation and the proposed Air Products' substation.

PRELIMINARY ROUTE OPTIONS MAP

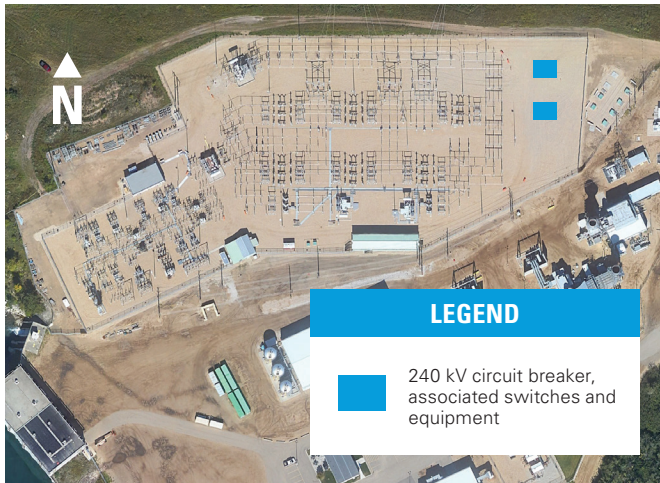


SUBSTATION ALTERATIONS

To accommodate the proposed transmission line, two new 240 kV circuit breakers, associated switches and equipment will be required at the Clover Bar Substation. All the substation alterations will be within the fence line of the substation; the substation fence line will not change.

A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. Its basic function is to detect a fault condition and interrupt current flow.

CLOVER BAR SUBSTATION SITE



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.

PARTICIPATE IN THE PROCESS

We are beginning our public consultation program and invite you to contact us to discuss the project. Over the next few weeks, project team members will contact landowners,

occupants, and interest holders who are directly adjacent to the proposed project. We will use a variety of contact methods such as phone calls, email and registered mail. We will also hold a virtual Q & A event and will conduct in-person meetings as required, following COVID-19 health protocols.

Once we have received feedback on the project, we will identify a preferred and alternative route for the transmission line between the Clover Bar Substation and the new substation. In Summer 2022, a project update will be mailed to stakeholders providing the preferred and alternative route. Then we will file a Facility Application with the AUC that will include both a preferred and alternative route.

This project requires two regulatory approvals from the AUC: approval of the Alberta Electric System Operator's Needs Identification Document (NID) and approval of EPCOR's Facility Application. For more information about the AUC, please visit the AUC's website (www.auc.ab.ca). Please also see enclosed AUC brochure: *Participating in the AUC's independent review process*.

You are invited to provide feedback on this project by **April 30, 2022**. Once we have received input from the public, EPCOR will submit a Facility Application to the AUC. Stakeholders can still provide feedback about this project to both EPCOR and the AUC while our Facility Application is being considered.

You will receive a project update in the mail in Summer 2022. Additionally, updates to the project timeline and construction information can be found at epcor.com/consultation.

Please contact us:

Phone: 780-412-4040

Email: consultation@epcor.com

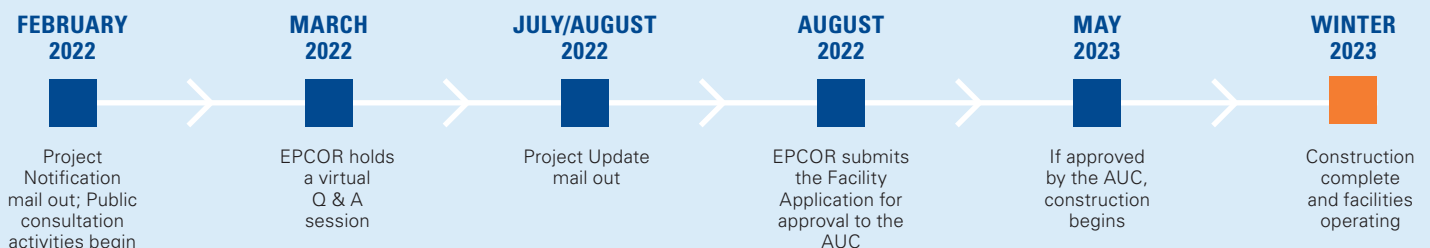
Website: epcor.com/consultation

In this package, you will also find:

- the AESO Need Overview
- the AUC brochure: *Participating in the AUC's independent review process*

PROPOSED SCHEDULE

You are invited to provide feedback on this project by April 30, 2022. For updates to the project timeline and construction, **please visit epcor.com/consultation**.



VIRTUAL Q & A SESSION

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

Date: Thursday, March 24, 2022

Time: 1:00 p.m. – 3 p.m.

Please email consultation@epcor.com by March 17, 2022 to register for this event.

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. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need, you may contact the AESO directly.

You can 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.

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca

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 services takes place in a manner that is fair, responsible and in the public interest. The AUC must approve this project before EPCOR can begin work. For more information about how you can participate in the regulatory process, please refer to the enclosed AUC brochure, *Participating in the AUC's independent review process*, or visit the AUC website: www.auc.ab.ca

Contact the AUC

Toll-free: 1-833-511-4282

Phone: 310-4282

Website: www.auc.ab.ca

WHAT TO EXPECT DURING THE CONSTRUCTION PROCESS

Construction Noise

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

Hours of Construction

As we proceed in finalizing the detailed work schedule, we will provide more information. Our hours of operation will comply with the City of Edmonton bylaws.

Road Closures

Periodic lane closures may be required to complete this work. Signage will be used to detour traffic around the worksite. All road closures and detours will meet Provincial and Federal transportation requirements.

Power Supply

EPCOR will notify you in advance if any power outages are required to support the construction activities. Notification is intended to support outage preparation for your household or business.

Work Space

All work areas will be safe and secure. All construction activities will be in accordance with the City of Edmonton bylaws, Alberta Occupational Health and Safety requirements and EPCOR's strict health, safety and environment program.

WE WOULD LIKE YOUR INPUT

Contact us

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:**

Call: 780-412-4040

Email: consultation@epcor.com

Website: epcor.com/consultation

If you would like to learn more about the new Air Products' substation project, please contact Air Products at:

Call: 403-836-6495

Email: LAYTEP@airproducts.com

Website: <https://www.airproducts.com/campaigns/alberta-net-zero-hydrogen-complex>

Consultation for the planned new substation will be completed by Air Products who will own and operate the new facility.



Need for Transmission Enhancements in the Northeast Edmonton area

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve a new industrial demand for electricity in the Northeast Edmonton area. EPCOR's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line to connect a new industrial facility to the existing Clover Bar 987S substation in a radial configuration.
- Modify the Clover Bar 987S substation, including adding two 240 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in mid-2022.
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The following organizations have key roles and responsibilities in providing access to the transmission system:

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

CONTACT US

Alberta Electric System Operator

AESO Stakeholder Relations
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1-888-866-2959

2500, 330-5th Avenue SW
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The AUC supports ongoing efforts to reach an agreeable outcome for the applicant and all affected parties. The AUC encourages the applicant and those who have filed a statement of intent to participate to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed in an AUC hearing.

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Toll-free: 310-4282 or
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Email: info@auc.ab.ca

Eau Claire Tower
1400, 600 Third Avenue S.W.
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Subject to some limited exceptions, all information and materials provided as part of an AUC proceeding will become part of the public record and will be available through the eFiling System. The AUC's treatment of some types of information as confidential is rare and only available under limited circumstances to ensure that the AUC's process is open and transparent.

AUC eFiling System

The eFiling System is the tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application and is how to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.



2000 – 10423 101 St NW,
Edmonton, Alberta
T5H 0E8 Canada
epcor.com

May 2, 2022

Dear Participant,

**Re: EPCOR'S CLOVER BAR INTERCONNECTION PROJECT –
THE EDMONTON NET-ZERO HYDROGEN ENERGY COMPLEX**

To support Air Products' proposed new net-zero hydrogen production facility, EPCOR is proposing to construct a new 240 kilovolt (kV) single circuit, above-ground transmission line from the existing EPCOR owned Clover Bar Substation, located at 1515 – 130 Avenue to a proposed new substation which will be owned and operated by Air Products located in the Clover Bar area.

The new transmission line will connect the proposed Air Products' substation to the electrical system.

Over the last couple of months, we have been consulting with area landowners, occupants, businesses and other interested parties to gather feedback about this project. You have been identified as owning, occupying, or having a land interest in the area and we want to ensure that your input is included in our project plans. We have made attempts to contact you by mail, email and/or by phone; however, our records indicate that we have been unable to reach you.

For your reference, we have included our project newsletter, the AESO *Need Overview* and the AUC brochure: *Participating in the AUC's independent review process* that we mailed to landowners, occupants, and other interested parties in February 2022. You can also view this information online at epcor.com/consultation.

EPCOR plans to file our Facility Application with the Alberta Utilities Commission (AUC) in late Summer 2022. The AUC must approve this application before we can begin work. Please review the enclosed information and contact us to discuss this project at your earliest convenience. You can contact us by telephone at (780) 412-4040 or by email at consultation@epcor.com.

Thank you for your time,

Dawn Schmidt
EPCOR Stakeholder Consultation

Enclosures:

- EPCOR Brochure: Project Newsletter (February 2022)
- Alberta Electric System Operator's Need Overview Document (February 2022)
- AUC Brochure: Participating in the AUC's independent review process

PROJECT NOTICE

Clover Bar Interconnection Project - The Edmonton Net-Zero Hydrogen Energy Complex

FEBRUARY 2022

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

This project involves a proposed new transmission line in northeast Edmonton to interconnect Air Products' proposed new net-zero hydrogen production facility to the Clover Bar Substation.

PROJECT DETAILS

To support Air Products' proposed new net-zero hydrogen production facility, EPCOR is proposing to construct a new 240 kilovolt (kV) single circuit, above-ground transmission line from the existing EPCOR owned Clover Bar Substation to a proposed new substation which will be owned and operated by Air Products.

The new transmission line will connect the proposed Air Products' substation to the electrical system.

The proposed project includes:

- Constructing approximately four kilometers (km) of above-ground 240 kV transmission line from the Clover Bar Substation, located at 1515 – 130 Avenue to a proposed customer owned substation within the Air Products' site located in the Clover Bar Area;
- Adding two 240 kV circuit breakers, associated switches and equipment within the existing Clover Bar Substation fence line.

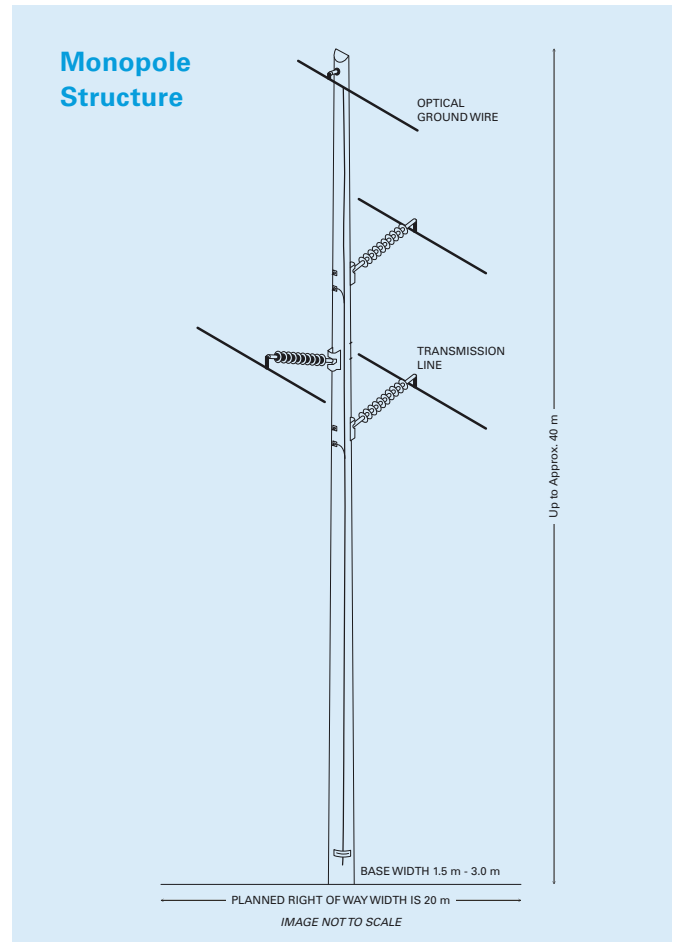
WHAT WILL THE NEW TRANSMISSION LINE LOOK LIKE?

If approved, the 240 kV transmission line will be built above ground using monopole structures, with heights up to approximately 40 metres (m). Base width can range from 1.5 m to 3.0 m depending on the type of foundation selected

through the design process. The poles will be single-circuit, meaning they will have three wires strung across them and an overhead optical ground wire on top. The average distance between structures will be approximately 300 m.

Lattice steel structures, wood poles, or structures with wider bases, and the use of guy-wires may be required at certain locations along the line. These structures may be installed where the line turns corners or has to span larger distances.

Structure details and locations will be dependent on the route approved and the final design.



PROPOSED TRANSMISSION LINE ROUTING CONSIDERATIONS

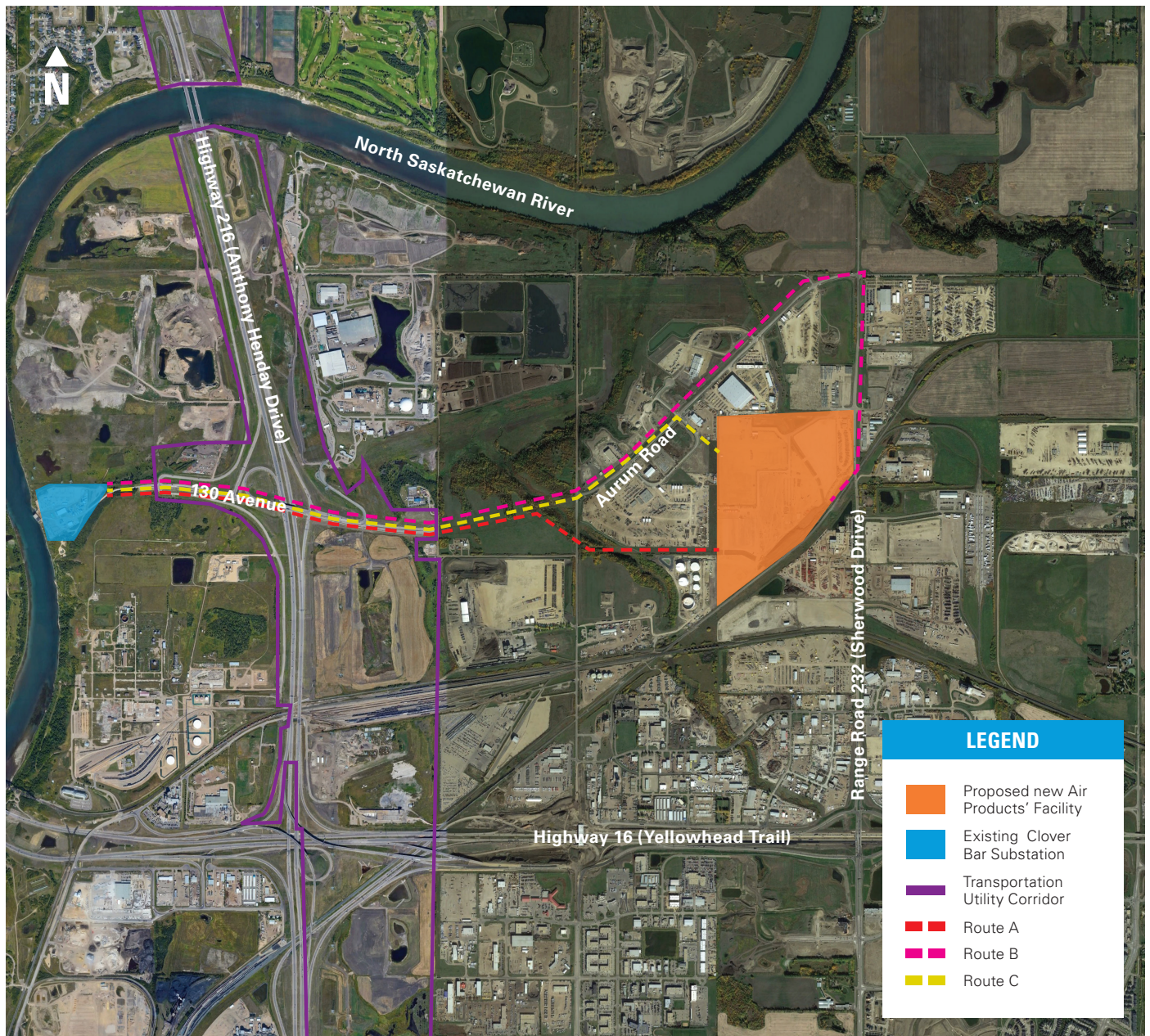
During the process of determining potential routes, EPCOR takes the following factors into consideration in an effort to find routes with the lowest overall impact:

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

We compared the relative effects of these factors and identified three potential route options for the proposed transmission line as shown on the map below. We proposed these route options because they generally follow existing linear disturbances such as roadways, designated transportation utility corridors and existing underground utilities.

After receiving input from the public, considering the potential environmental impacts and reviewing technical requirements, EPCOR 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, only one of the proposed routes will be constructed between the Clover Bar Substation and the proposed Air Products' substation.

PRELIMINARY ROUTE OPTIONS MAP

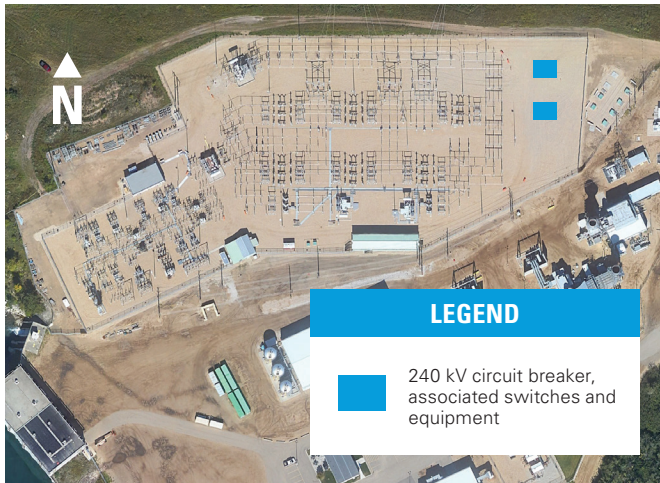


SUBSTATION ALTERATIONS

To accommodate the proposed transmission line, two new 240 kV circuit breakers, associated switches and equipment will be required at the Clover Bar Substation. All the substation alterations will be within the fence line of the substation; the substation fence line will not change.

A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. Its basic function is to detect a fault condition and interrupt current flow.

CLOVER BAR SUBSTATION SITE



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.

PARTICIPATE IN THE PROCESS

We are beginning our public consultation program and invite you to contact us to discuss the project. Over the next few weeks, project team members will contact landowners,

occupants, and interest holders who are directly adjacent to the proposed project. We will use a variety of contact methods such as phone calls, email and registered mail. We will also hold a virtual Q & A event and will conduct in-person meetings as required, following COVID-19 health protocols.

Once we have received feedback on the project, we will identify a preferred and alternative route for the transmission line between the Clover Bar Substation and the new substation. In Summer 2022, a project update will be mailed to stakeholders providing the preferred and alternative route. Then we will file a Facility Application with the AUC that will include both a preferred and alternative route.

This project requires two regulatory approvals from the AUC: approval of the Alberta Electric System Operator's Needs Identification Document (NID) and approval of EPCOR's Facility Application. For more information about the AUC, please visit the AUC's website (www.auc.ab.ca). Please also see enclosed AUC brochure: *Participating in the AUC's independent review process*.

You are invited to provide feedback on this project by **April 30, 2022**. Once we have received input from the public, EPCOR will submit a Facility Application to the AUC. Stakeholders can still provide feedback about this project to both EPCOR and the AUC while our Facility Application is being considered.

You will receive a project update in the mail in Summer 2022. Additionally, updates to the project timeline and construction information can be found at epcor.com/consultation.

Please contact us:

Phone: 780-412-4040

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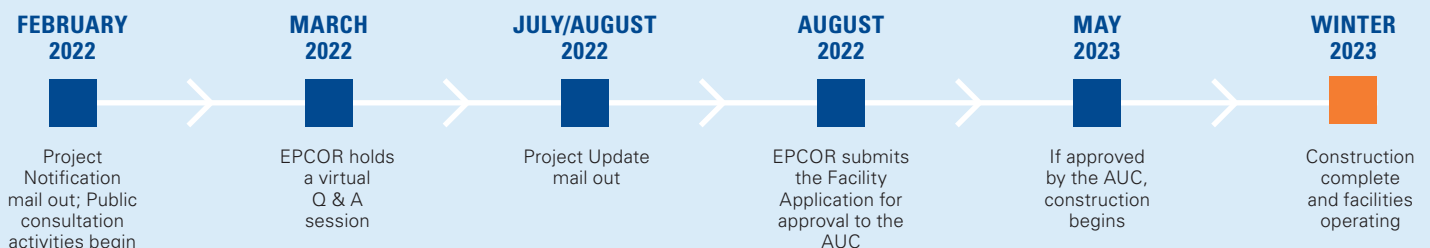
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In this package, you will also find:

- the AESO Need Overview
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PROPOSED SCHEDULE

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VIRTUAL Q & A SESSION

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

Date: Thursday, March 24, 2022

Time: 1:00 p.m. – 3 p.m.

Please email consultation@epcor.com by March 17, 2022 to register for this event.

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. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need, you may contact the AESO directly.

You can 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.

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca

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 services takes place in a manner that is fair, responsible and in the public interest. The AUC must approve this project before EPCOR can begin work. For more information about how you can participate in the regulatory process, please refer to the enclosed AUC brochure, *Participating in the AUC's independent review process*, or visit the AUC website: www.auc.ab.ca

Contact the AUC

Toll-free: 1-833-511-4282

Phone: 310-4282

Website: www.auc.ab.ca

WHAT TO EXPECT DURING THE CONSTRUCTION PROCESS

Construction Noise

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

Hours of Construction

As we proceed in finalizing the detailed work schedule, we will provide more information. Our hours of operation will comply with the City of Edmonton bylaws.

Road Closures

Periodic lane closures may be required to complete this work. Signage will be used to detour traffic around the worksite. All road closures and detours will meet Provincial and Federal transportation requirements.

Power Supply

EPCOR will notify you in advance if any power outages are required to support the construction activities. Notification is intended to support outage preparation for your household or business.

Work Space

All work areas will be safe and secure. All construction activities will be in accordance with the City of Edmonton bylaws, Alberta Occupational Health and Safety requirements and EPCOR's strict health, safety and environment program.

WE WOULD LIKE YOUR INPUT

Contact us

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:**

Call: 780-412-4040

Email: consultation@epcor.com

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If you would like to learn more about the new Air Products' substation project, please contact Air Products at:

Call: 403-836-6495

Email: LAYTEP@airproducts.com

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Subject to some limited exceptions, all information and materials provided as part of an AUC proceeding will become part of the public record and will be available through the eFiling System. The AUC's treatment of some types of information as confidential is rare and only available under limited circumstances to ensure that the AUC's process is open and transparent.

AUC eFiling System

The eFiling System is the tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application and is how to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

CLOVER BAR INTERCONNECTION PROJECT UPDATE

JUNE 2022

We are sending you this Project Update to inform you on the next phase of the proposed above-ground transmission line project – the Clover Bar Interconnection Project (the Project).

Over the last few months, we have discussed the Project with landowners, occupants, industry and interest holders of properties within the Project area as well as general stakeholders, asking for feedback on route options and potential impacts. **Thank you to everyone who shared your comments with us.**

PROJECT BACKGROUND

To support Air Products' proposed new net-zero hydrogen production facility, EPCOR is proposing to construct a new 240 kilovolt (kV) single circuit, above-ground transmission line from the existing EPCOR-owned Clover Bar Substation to a proposed new substation which will be owned and operated by Air Products.

The new transmission line will connect the proposed Air Products' substation to the electrical system.

EPCOR's proposed Project includes:

- Constructing approximately four and a half kilometres of above-ground 240 kV transmission line from the existing Clover Bar Substation (1515 - 130 Avenue) to a proposed customer-owned substation within the Air Products' site located in the Clover Bar Area, south of Aurum Road (13004 - 33 Street);
- Adding two new 240 kV circuit breakers, associated switches and equipment within the existing Clover Bar Substation fence line.

PREFERRED AND ALTERNATE TRANSMISSION LINE ROUTE OPTIONS

Based on the feedback received and research we have completed, EPCOR has identified a preferred and alternate route for the above ground transmission line that provides the lowest overall impact. Both routes will be presented to the Alberta Utilities Commission (AUC) for their consideration.

The AUC is an independent quasi-judicial agency responsible for approving power transmission facilities in Alberta. EPCOR will submit a Facility Application to the AUC to build and operate the new facilities. If approved, the AUC will also select which route will be constructed.

Route Evaluation

Determining the route of a new transmission line is a complex process. EPCOR considered a number of important factors when evaluating possible routes, including:

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

The route options utilized the transportation utility corridor (TUC) and followed existing roadways and underground utilities. After receiving input during the consultation program and considering all the above referenced factors, we have selected **Route C as the preferred route option and Route A as the alternate route.** Route C was determined to best meet the technical requirements for the Project while also having the lowest overall impacts when compared to the other route options.

Since the February 2022 project notice, EPCOR has made a minor adjustment to the proposed Route C previously described to you. This adjustment moves the proposed route alignment approximately 250 metres (m) further east along Aurum Road and then heads south towards the Air Products facility. Please see the route options map below for the proposed revised route alignment.

Route B has been removed from consideration due to stakeholder feedback, cost, and impacts to existing utilities.

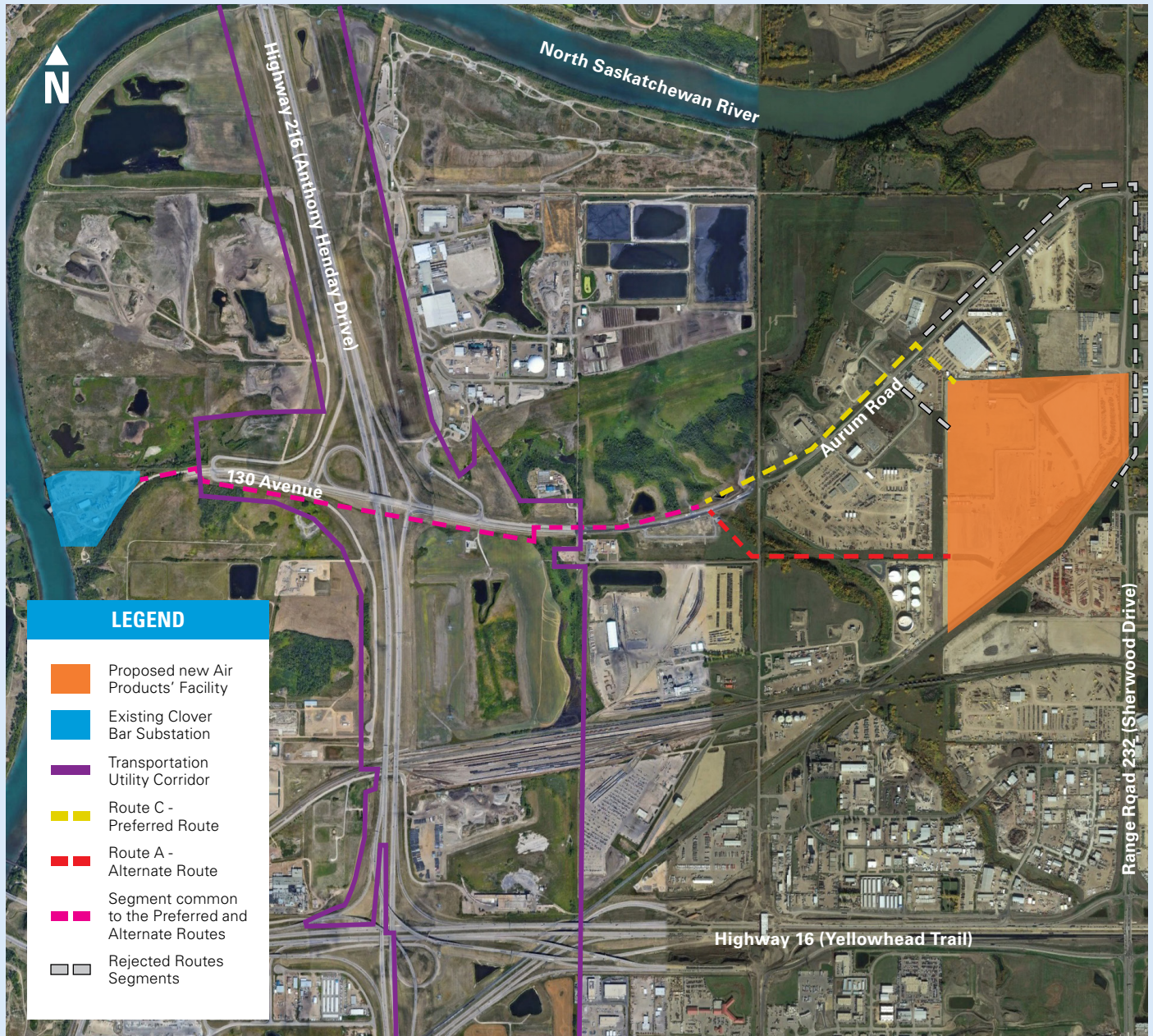
STAKEHOLDER INPUT

Throughout our discussions with stakeholders, various concerns and questions were brought forward. The feedback gathered during the consultation process was documented and will be included in the Facility Application filed with the AUC.

Common project concerns included:

- Routing preferences and line location
- Line height and access
- Structure placement
- Third-party agreements and AC mitigation studies

PREFERRED AND ALTERNATE ROUTE OPTIONS MAP



Other concerns included construction impacts, electromagnetic fields (EMF), club root, overhead versus underground lines, property value and infrastructure development.

Routing Preferences and Line Location

Some stakeholders preferred the proposed transmission line to run on the south side of Aurum Road. After exploring this possibility, it was determined that the segment of the line within the TUC can follow the south side of Aurum Road, however, the line will be sited on the north side of Aurum Road outside of the TUC to avoid pre-existing underground constraints.

Line Height and Access

If approved, the line will be constructed to meet safety codes, AUC requirements, as well as, Provincial and Federal Transport requirements. The line is expected to have wire clearance of 8.5 m at the lowest height (sag) of the line. Equipment heights

provided to EPCOR during consultation confirmed access should not be an issue for these stakeholders.

Structure Placement

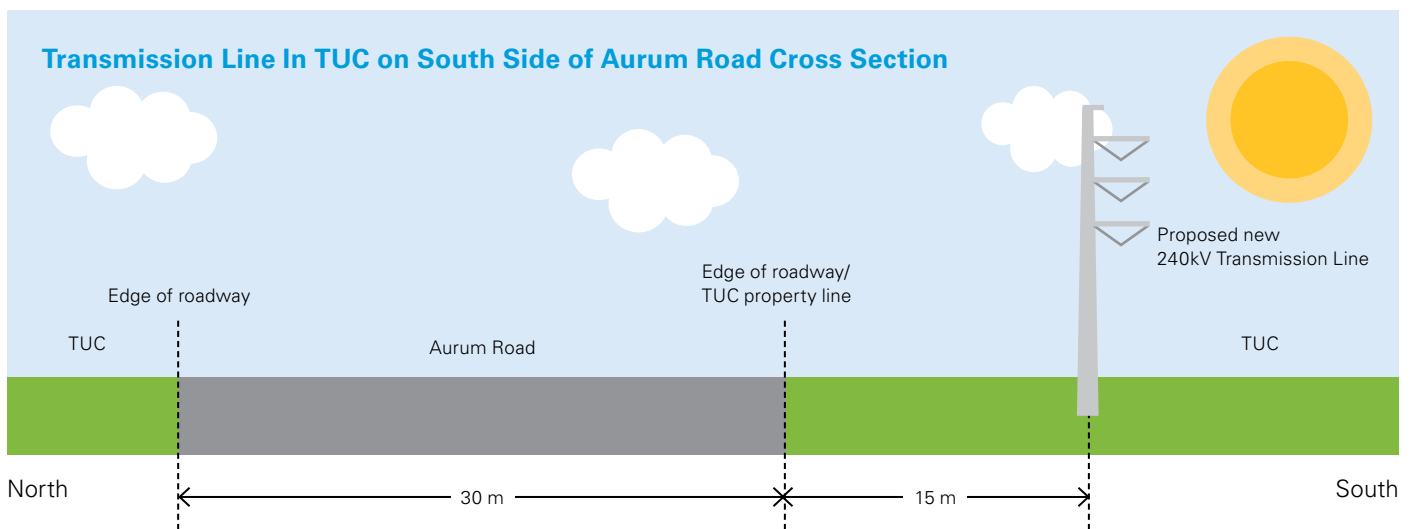
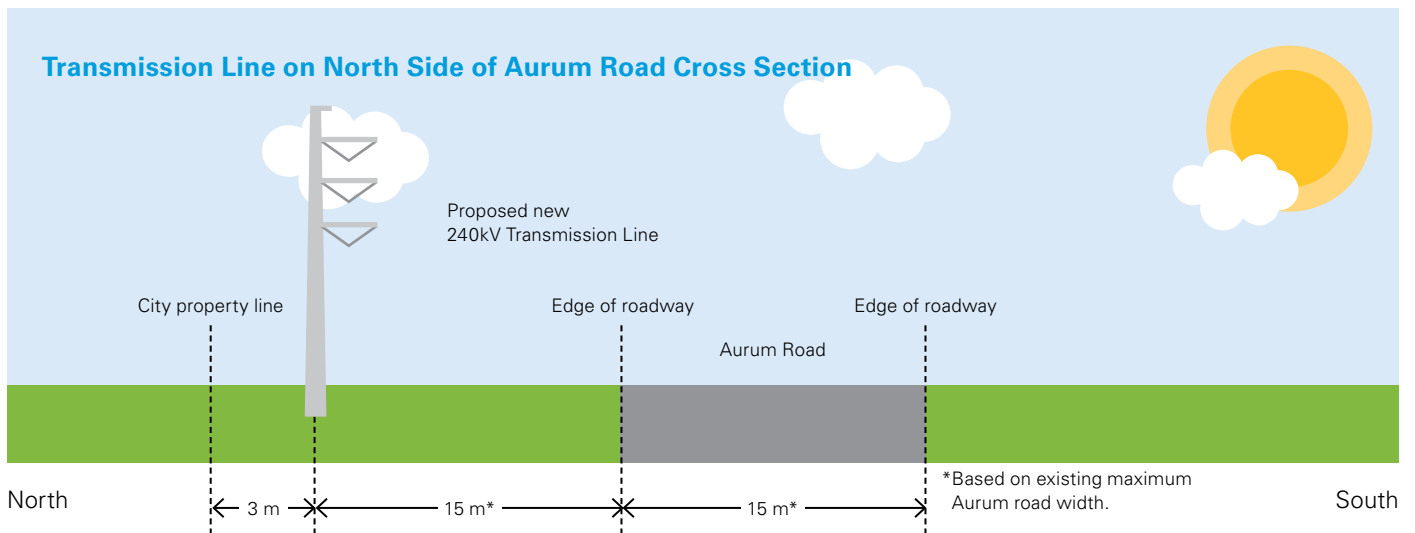
Based on current technical requirements for the preferred route, no structures are currently proposed on private property other than the parcel directly adjacent to the Air Products proposed facility and the parcel the proposed facility is located on. We will contact landowners if structure placement is required on additional private property. If you have specific questions, regarding structure placement near your property, please contact EPCOR Consultation.

Third-Party Agreements and AC Mitigation Studies

EPCOR will ensure all required third-party permits and agreements are in place prior to construction along the approved route. Once a route is approved by the AUC, an AC Mitigation Study will be conducted and provided to stakeholders directly impacted by the new transmission infrastructure, if required.

AURUM ROAD CROSS SECTION

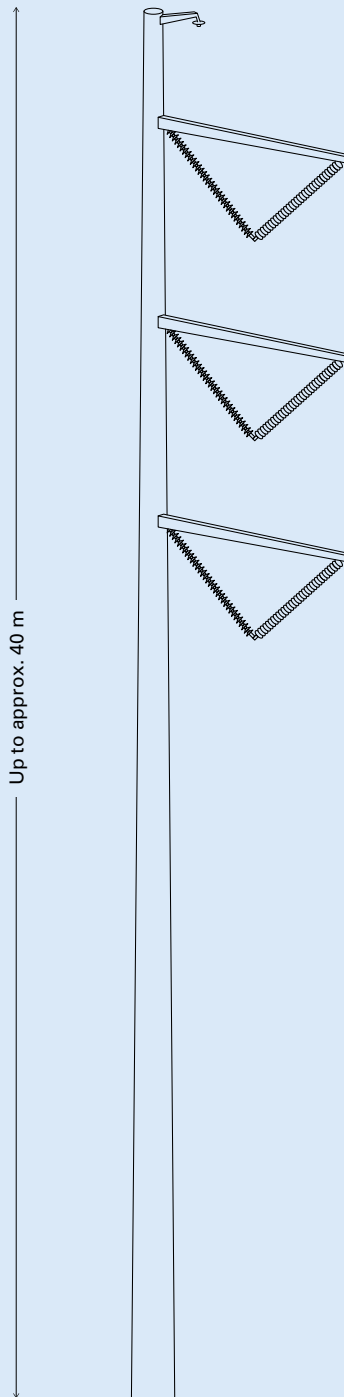
The cross section image below shows what the proposed transmission line will look like along Aurum Road in relation to the existing roadway and property lines. *Images are not to scale and include a typical Monopole Structure.*



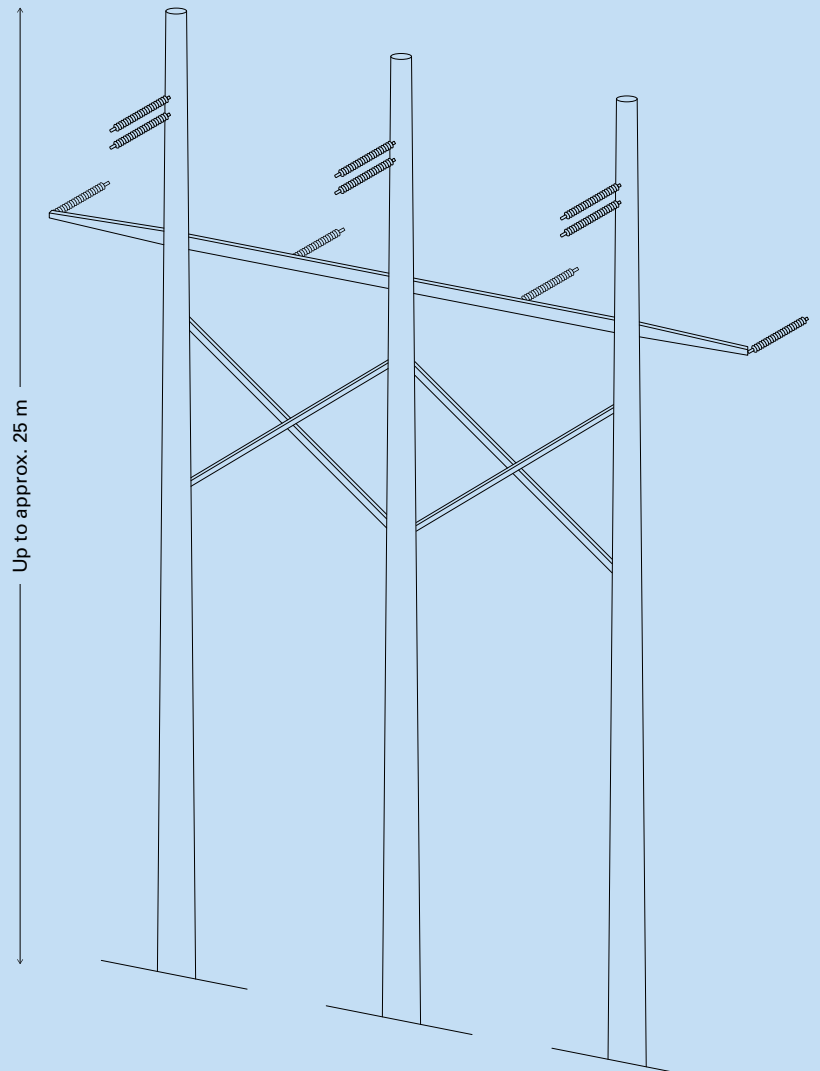
Proposed Structure Type

As shown below, the typical structures will be steel or composite monopoles, ranging in height from approximately 35 m to 40 m. The poles will be single circuit, meaning they will have three wires strung across them and one overhead shield wire on top (refer to Structure A below).

Structure A - Monopole Structure

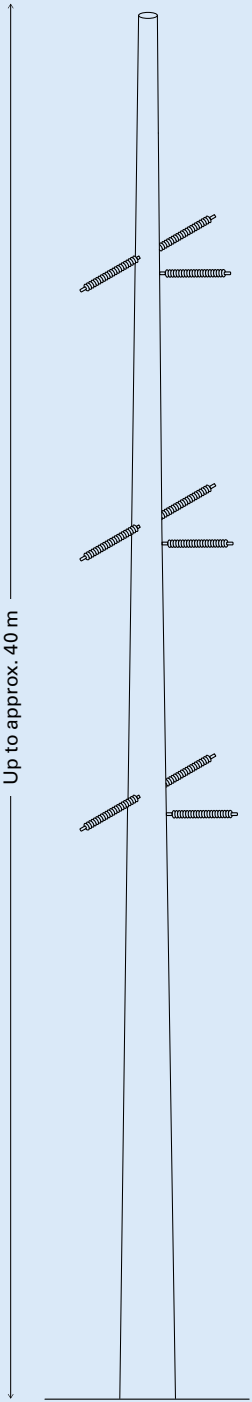


Structure B - 3-Pole Deadend Structure

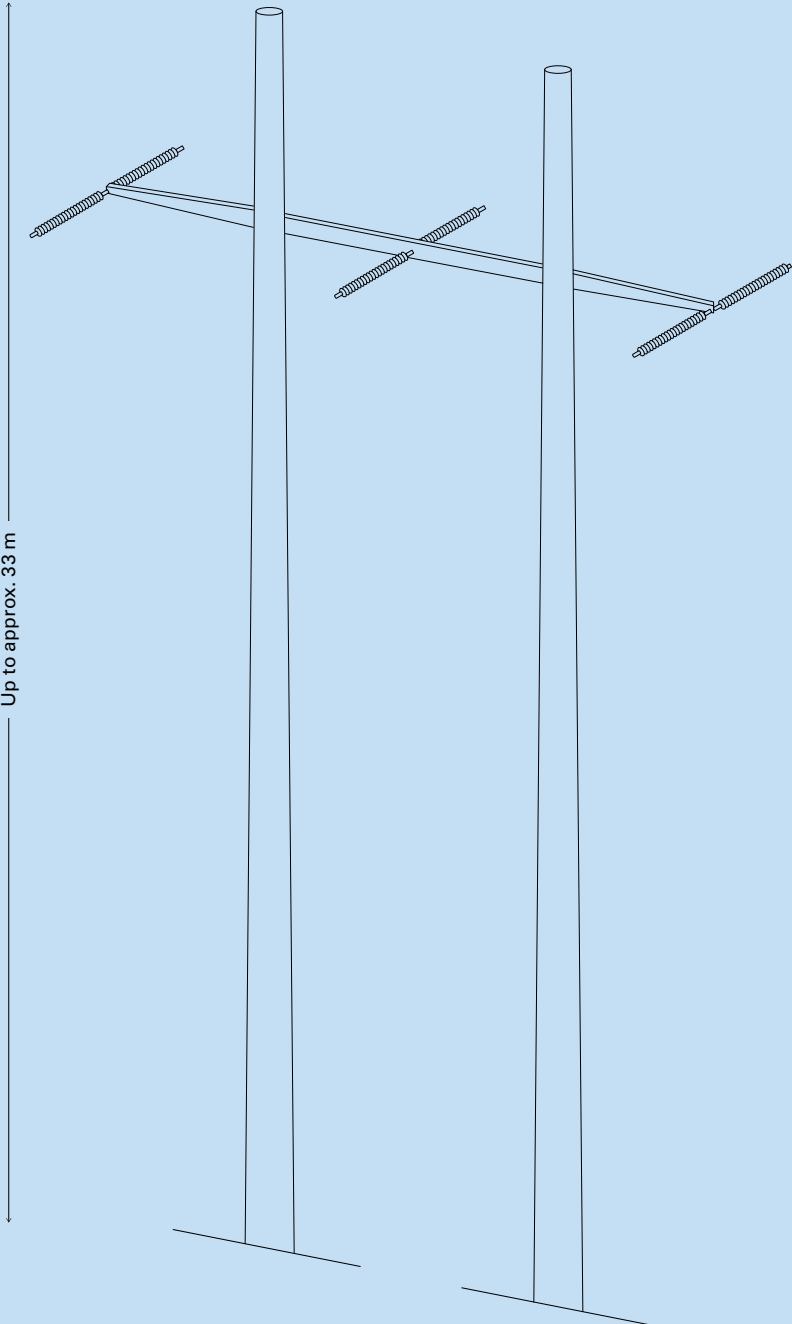


H-frames or structures with wider bases may be installed where the line turns corners, has to span larger distances or has to cross existing infrastructure (transmission lines, roads or highways). These structures may be steel or composite and range in height from approximately 23 m to 40 m (refer to Structures B, C and D). The diameter of all structures at the ground surface will range between approximately 1.4 m to 2.5 m.

Structure C - Deadend Monopole Structure



Structure D - H-Frame Structure



DEFINITIONS

Transmission Lines and Substations

Transmission lines are like highways, moving high-voltage electricity from generating stations to substations, which are distribution points where the high-voltage electricity gets stepped down to lower voltages and sent to multiple customers.

Circuit Breaker

A circuit breaker is an electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. Its basic function is to detect a fault condition and interrupt current flow.

Transportation Utility Corridor (TUC)

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

Stakeholders along the rejected route will be removed from the Project contact list and will no longer receive project information. If you are not directly adjacent to the proposed project but would like to continue to receive project notices, please email consultation@epcor.com or sign up through the Project webpage at epcor.com/consultation. Alternatively, regular updates on the Project can be found at epcor.com/consultation.

In this package, you will also find:

- the AESO Need Overview
- the AUC brochure: Participating in the AUC's independent review process

PROPOSED SCHEDULE



If you have additional feedback you would like included in the Facility Application to the AUC, please contact EPCOR Consultation at consultation@epcor.com by **July 8, 2022**.

THE REGULATORY PROCESS

The Alberta Electric System Operator (AESO) is responsible for determining the need for the proposed project. The AESO will submit a Needs Identification Document (NID) with the AUC late summer in support of this project.

In late summer, EPCOR's project team will submit a Facility Application to the AUC outlining the proposed project and the preferred and alternate route for the new 240 kV transmission line. Stakeholders can still provide feedback about this project to both EPCOR and the AUC while our Facility Application is being considered.

The AUC must approve the Needs Identification Document and the Facility Application before construction for the project can begin. The final decision on routing will be made by the AUC and although two routes were proposed, only one route will be built if approvals are granted.

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. If you have any questions or concerns about the need for this project or the proposed transmission development to meet the need, you may contact the AESO directly.

You can 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.

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959

Email: stakeholder.relations@aeso.ca

Website: www.aeso.ca

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 services takes place in a manner that is fair, responsible and in the public interest. The AUC must approve this project before EPCOR can begin work. For more information about how you can participate in the regulatory process, please refer to the enclosed AUC brochure, *Participating in the AUC's independent review process*, or visit the AUC website: www.auc.ab.ca

Contact the AUC

Toll-free: 1-833-511-4282

Phone: 310-4282

Website: www.auc.ab.ca

WE WOULD LIKE YOUR INPUT

Contact us

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:

Call: 780-412-4040

Email: consultation@epcor.com

Website: epcor.com/consultation

If you would like to learn more about the new Air Products' substation project, please contact Air Products at:

Call: 403-836-6495

Email: LAYTEP@airproducts.com

Website: <https://www.airproducts.com/campaigns/alberta-net-zero-hydrogen-complex>

Air Products, who will own and operate the new facility, is completing consultation for the planned new substation located on their property.

Need for Transmission Enhancements in the Northeast Edmonton area

EPCOR Distribution & Transmission Inc. (EPCOR) has applied to the Alberta Electric System Operator (AESO) for transmission system access to reliably serve a new industrial demand for electricity in the Northeast Edmonton area. EPCOR's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 240 kilovolt (kV) transmission line to connect a new industrial facility to the existing Clover Bar 987S substation in a radial configuration.
- Modify the Clover Bar 987S substation, including adding two 240 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

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

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

THE AESO

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

EPCOR

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

WHO IS THE AESO?

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

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

CONTACT US

Alberta Electric System Operator

AESO Stakeholder Relations
stakeholder.relations@aes0.ca
1-888-866-2959

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

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

Step 5: Consultation and negotiation (if applicable)

The AUC supports ongoing efforts to reach an agreeable outcome for the applicant and all affected parties. The AUC encourages the applicant and those who have filed a statement of intent to participate to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed in an AUC hearing.

Step 6: The public hearing process

The AUC will issue a notice of hearing if there continues to be legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location, or specify if the hearing will be held in writing or virtually. The AUC holds public hearings where registered parties can participate and where any member of the public can listen to the hearing. It is a formal, evidence-based hearing that operates similar to a court proceeding.

The public hearing process allows persons who have been granted standing and continue to have unresolved concerns about the application the opportunity to express their views directly to a panel of Commission members.

Participants in a hearing can either represent themselves or be represented by a lawyer. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Cost assistance

A person determined by the AUC to have standing or is considered to be a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or technical experts must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Rules on Local Intervener Costs*, recovery of costs is subject to the AUC's assessment of the value of the contribution provided by the lawyer and technical

experts in assisting the AUC to understand the specifics of the case. People with similar interests and positions are expected and encouraged to work together to ensure that expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

The AUC's goal is to issue its written application decision no more than 90 days after the close of record. The AUC can approve, or deny an application and can also make its approval conditional upon terms or conditions. AUC decisions are publicly available through the AUC website at www.auc.ab.ca.

Step 8: Opportunity to appeal

An applicant or dissatisfied participant may formally ask the Court of Appeal of Alberta for permission to appeal an AUC decision. An application for permission to appeal must be filed within 30 days from the date the decision is issued.

An applicant or dissatisfied participant can also ask the AUC to review its decision. An application to review a decision must be filed within 60 days from the date the decision is issued and satisfy the limited grounds described in AUC Rule 016: *Review of Commission Decisions*.

Step 9: Construction, operation and compliance

An applicant that receives approval to build and operate a facility from the AUC is expected to follow through on any commitments it has made to parties and must adhere to any conditions that were set out in that approval. If concerns about compliance with approval conditions and post-construction operations cannot be resolved with the applicant, they can be brought to the AUC's attention for consideration. The AUC has significant compliance and enforcement powers for all approved applications. Additional information is available on the AUC website.

The Alberta Utilities Commission is an independent, quasi-judicial agency of the government of Alberta that ensures the delivery of Alberta's utility services take place in a manner that is fair, responsible and in the public interest.



Contact us

Phone: 403-592-4500
Toll-free: 310-4282 or
1-833-511-4282 (outside Alberta)
Email: info@auc.ab.ca

Eau Claire Tower
1400, 600 Third Avenue S.W.
Calgary, Alberta T2P 0G5

The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.

**Participating
in the AUC's
independent
review process to
consider facility
applications**

Application review process

Step 1: Public consultation prior to applying to the AUC

Step 2: Application filed to the AUC

Step 3: Public notice

Step 4: Public submissions to the AUC

Step 5: Consultation and negotiation

Step 6: The public hearing process

Step 7: The decision

Step 8: Opportunity to appeal

Step 9: Construction, operation and compliance

The AUC regulatory review process to consider facility applications for utility projects:

The AUC uses an established process to review social, economic and environmental impacts of facility projects to decide if approval of a project is in the public interest.

The AUC considers applications requesting approval of the need for transmission development and facilities applications seeking approval to construct, operate, alter and decommission electric and

natural gas facilities. Applications, as specified in Rule 007, are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants.
- The construction of a battery storage system.
- The designation of an industrial system.

Sometimes the Alberta Electric System Operator's needs identification document application is considered together with a facility application in a single proceeding; sometimes separate proceedings are held to consider each application.

Step 1: Public consultation prior to applying to the AUC

Prior to filing an application with the AUC for the approval of a proposed utility development project, the applicant is required to engage in a participant involvement program in the area of the proposed project, so that concerns may be raised, addressed and, if possible, resolved.

The application guidelines and requirements for facility applications can be found in AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations, Hydro Developments and Gas Utility Pipelines.*

Potentially affected parties are strongly encouraged to participate in the public consultation, also called a participant involvement program. Early, active and ongoing discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

Step 2: Application filed to the AUC

When the applicant has concluded its consultation with potentially affected parties and the participant involvement requirements have been completed, the applicant files its application through the AUC online public filing system, called the eFiling System.

AUC staff members review each application submitted to verify that all of the application requirements in Rule 007 have been met before an application is deemed complete. If all of the required information is not provided, the application may be closed or missing

information will be requested of the applicant. Rule 007 specifies, among other requirements, that applicants must submit a public involvement plan in its application that includes information about the public consultation program and identifying any unresolved objections and concerns about the project.

Step 3: Public notice

The AUC generally issues a notice by mail directly to those who live, operate a business or occupy land in the project area who may be directly and adversely affected if the AUC approves the application. The notice initiates the opportunity for formal intervention in the proceeding to consider an application or applications. The notice of application will also set out important dates and information about where to find the application and other items being considered. The five-digit eFiling System proceeding number in the notice is the most efficient way to find information about a proposed project through the AUC website.

Step 4: Public submissions to the AUC

Prior to the submission deadline provided in the notice, formal submissions of outstanding concerns and unresolved objections about a project may be submitted to the AUC. To submit a concern, participants will need to register to participate in the proceeding, which involves providing a brief written statement called a statement of intent to participate. Submissions are collected through the eFiling System. The information filed becomes part of the public record and is an important part of the process to ensure that outstanding concerns are heard, understood and considered.

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AUC eFiling System

The eFiling System is the tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application and is how to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

Attachment 5 – AESO Public Notification of NID Filing Website Posting (September 2022)

Transmission Enhancements in the Northeast Edmonton area (2453)

Notice of Filing

The AESO intends to file the Transmission Enhancements in the Northeast Edmonton area Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after September 29, 2022.

Attachment 6 – AESO Stakeholder Newsletter NID Filing Notice (September 13, 2022)

September 13, 2022

AESO Stakeholder Newsletter



Transmission Enhancements in the Northeast Edmonton area – Notice of NID Filing

EPCOR Distribution & Transmission Inc. (EPCOR) has submitted a request for system access service to serve a new industrial demand for electricity in the Northeast Edmonton area. Air Products Canada Ltd. has also submitted a request for system access service requesting a connection for its proposed industrial system in the City of Edmonton area. EPCOR's and Air Products Canada Ltd.'s request can be met by the following solution:

- Add one 240 kilovolt (kV) transmission line to connect a new industrial facility to the existing Clover Bar 987S substation in a radial configuration.
- Modify the Clover Bar 987S substation, including adding two 240 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

The AESO intends to file the Transmission Enhancements in the Northeast Edmonton area Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after September 29, 2022.

More information is available on the AESO website. Please [click here](#) to view the project page or visit the AESO website at www.aeso.ca and follow the path Grid > Transmission Projects > Transmission Enhancements in the Northeast Edmonton area (2453) to see all the relevant documents, including the NID application once it is filed with the AUC.