

PROPOSED POUNDMAKER SUBSTATION PROJECT

June 2010 Open House Summary Report

July 12, 2010

Proposed Poundmaker Substation Project

Open House Summary Report

Executive Summary

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES) or "grid", is planned and operated by the Alberta Electric System Operator (AESO). It is the AESO's responsibility to plan the grid by identifying the needed transmission development and recommending preferred options to meet those needs. The AESO must apply to the Alberta Utilities Commission (AUC) for approval of the need for transmission development and the transmission facility owner (TFO), EPCOR in this case, must apply to the AUC for approval to construct and operate the Poundmaker Substation.

With the rapid growth in northwest Edmonton, residential and industrial electricity demand continues to increase. The AESO has established the need for electrical reinforcement in the area. A new substation connecting into existing transmission and distribution lines is needed to ensure electricity customers in the area have a continuous and reliable supply of electricity.

EPCOR is proposing to build an electrical substation in northwest Edmonton to satisfy the need identified by the AESO to meet the increasing demands in the area due to residential and industrial growth. The proposed Poundmaker Substation would be located in northwest Edmonton, at approximately 105 Avenue and 190 Street, east of Anthony Henday Drive.

EPCOR and the AESO held an Open House in June 2010. Representatives of the EPCOR project team and the AESO were present to provide information about the proposed Poundmaker Substation Project, answer questions, respond to issues and concerns and receive input. The Open House was one component of EPCOR's overall public consultation process for the project.

A total of eight participants signed a registration sheet at the entrance. Of those eight participants, three completed the Participant Survey Form.

Of the comments received and collected from the participants, stakeholders sought further information about why the proposed substation was needed in terms of being additional supply or replacement supply and general information about transmission infrastructure and its regulatory building requirements. Project team members provided the requested information at the Open House. The team member's responses are detailed in the report below.

EPCOR and the AESO have reviewed the stakeholder interests, needs and concerns received. All questions and concerns provided by stakeholders attending the Open House were answered by project team members. No follow-ups were requested. No comments or concerns were received requiring amendments to the AESO's Needs Identification Document or EPCOR's facility application.

Open House Objectives

The objectives of the Open House were to provide an opportunity for local businesses, residents and other interested stakeholders to:

- obtain information that would allow them to understand the Proposed Poundmaker Substation Project;
- ask questions of EPCOR and the AESO project team members and have those questions answered;
- Raise any concerns they may have with the project and have those concerns considered; and
- Provide input into the project.

Open House Date, Location and Notification

The Open House was held on Tuesday, June 22, 2010 from 3:00 – 8:00 p.m. at the Best Western Westwood Inn (Ebony Room 2) located at 18035 Stony Plain Road.

The Open House was advertised through newsletters delivered the week of June 7-11, 2010. Approximately 1,000 businesses and residences located within and adjacent to the 800 metre project notification boundary were mailed a project information package. The project package included an EPCOR project newsletter, an AESO information letter on the need for the project and an Alberta Utilities Commission (AUC) brochure that outlined the regulatory process. A copy of the project information package and details of the distribution are included in Appendix A. The project newsletter provided information on the project details, a map of the proposed location, a proposed schedule and potential project impacts. It also clearly promoted the details of the Open House. Copies of the materials in the project information package were also available at the Open House.

Distribution of the newsletter was through Canada Post. Letter Carrier Routes, "Super Mailboxes" and Postal Boxes within the T5S postal code area were mailed the project information. (See Appendix A of this report for a detailed breakdown of the distribution).

Advertisements for the Open House were placed in the Edmonton Journal and Edmonton Sun on June 19th and 22nd. (See Appendix B of this report for a copy of the Advertisement).

The project information package was also directly distributed to:

- Approximately 25 businesses who operated in the first row of buildings within an 800 metre radius of the proposed project in a door-to-door campaign;
- 12 property owners in the first row of buildings who had a different mailing address from the location of their property and direct follow up phone calls were made when a phone number was available; and
- City Councillors Karen Leibovici (Ward 1) and Linda Sloan (Ward 1);
- Information about the Open House was also available on the EPCOR website at www.epcor.ca/poundmaker and the AESO website at www.aeso.ca.

Open House Format

Representatives of the Poundmaker Project Team (EPCOR) and the AESO were in attendance at the Open House.

The informal drop-in format consisted of ten table-top information boards placed around the room for viewing. The boards offered easy-to-read information on the proposed substation (EPCOR), location (EPCOR), schedule (EPCOR) as well as the project impacts (EPCOR) and the need for the project (AESO). Copies of the information boards posted at the Open House are included in Appendix C. Representatives of the EPCOR project team and the AESO were available and stationed at the displays as resources to provide information to attendees and to discuss their questions, issues, concerns and input.

The resource team for the Open House was comprised of:

EPCOR	Project Role
Nerkez	Project Manager
Scott	Project Engineer
Travis	Facility Applications
Allie	Public Consultation
AESO	
Brandy	Stakeholder Relations
TJ Consulting Inc	
Tricia	Facilitation

Staff were all equipped with note pads to record questions and comments from people attending the Open House. Follow up forms were also available to record stakeholder contact information, their preferred time and method of contact and details of their requested follow-up if a question or concern was unable to be answered at the time of the Open House. Of the eight stakeholder participants, no follow up action was requested.

Attendees at the Open House were greeted at the entrance and asked to sign in. This information was used to record the number of attendees, as well as to update the contact list for the project and provide the Open House Summary Report if requested. Each attendee was provided with a copy of the Open House Participant Survey and asked to complete and return it before leaving. On the survey, attendees rated the effectiveness of the Open House; they also provided questions, comments, and concerns about the project. A copy of the survey is included as Appendix D to this report. Attendees were also given a brief orientation of the layout of the Open House.

Results of the Open House

A total of eight attendees were recorded on the sign-in sheet at the Open House. A total of three surveys were completed and returned. Of those who completed the survey, two requested that the compiled results be mailed to them. EPCOR mailed this summary report to the Open House attendees who requested it. This summary report will also be posted on the EPCOR website at www.epcor.ca/poundmaker and the AESO website at www.aeso.ca

The comments and questions received by participants and/or recorded on the survey forms, are presented in this section along with the answers provided by EPCOR and AESO staff.

The Need

Q: Why is this substation being proposed?

A: With the rapid growth in northwest Edmonton, residential and industrial electricity demand continues to increase. The AESO has established the need for electrical reinforcement in the area. A new substation connecting into existing transmission and distribution lines is needed to ensure electricity customers in the area have a continuous and reliable supply of electricity.

The Location

Q: Why did you choose this location?

A: The location of the proposed substation was chosen as the preferred alternative for three main reasons:

- It is to be centrally located in the section of Edmonton that requires electrical reinforcement as identified by the AESO;
- It is to be located in close proximity to existing transmission and distribution infrastructure; and
- It is to be located on existing EPCOR-owned land and would involve the least community disturbance both for construction and operation of the facility.

Other

Q: At what distance can individuals stand safely from an overhead transmission line due to health impacts?

A: Health and safety is a top priority for EPCOR. EPCOR is guided by Electric and Magnetic Fields (EMF) research that is compiled and reviewed by national and international health agencies, including Health Canada and the World Health Organization. After more than 30 years of research that includes thousands of studies and numerous reviews by health agencies, neither Health Canada nor the World Health Organization has concluded that exposure to extremely low frequency EMF at levels associated with power lines cause any long-term adverse affect on human, plant or animal health. This includes driving or walking directly underneath a transmission line.

Conclusions

The consultation activities undertaken by EPCOR and the AESO ensured that area stakeholders, businesses and residents had multiple opportunities to provide feedback, express concerns, ask questions and learn about the project. Opportunities included:

- Distribution of the project information package to approximately 1,000 households;
- Door-to-door campaign to approximately 25 businesses;
- One-on-one stakeholder engagement efforts; and
- Websites, e-mails and phone lines to EPCOR and the AESO.

By providing sufficient resources to stakeholders, we were able to satisfactorily address stakeholder questions and concerns to the extent that only eight people felt the need to attend the Open House.

Appendix “A”

Project Information Package and Distribution Details

PROJECT NOTICE

PROPOSED POUNDMAKER SUBSTATION PROJECT

EPCOR is proposing to build an electrical substation in northwest Edmonton to meet the increasing electricity demands in the area due to residential and industrial growth.

THE PROPOSED PROJECT

The proposed Poundmaker Substation project would involve the construction of a new substation in west Edmonton, at approximately 105 Avenue and 190 Street, east of Anthony Henday Drive. This new substation would be located on the same property as EPCOR's existing west Edmonton distribution station.

The new substation would take the electricity from the existing high voltage transmission line, transform it to medium voltage and distribute it to homes and businesses in northwest Edmonton improving capacity, quality and reliability of electrical supply to the entire region.

The proposed substation has an approximate footprint of 100 metres by 100 metres and would consist of high voltage switchgear (240 kilovolts) and two power transformers with a building to house medium voltage switchgear. For safety and security, an eight feet high chain link fence would surround the substation. The proposed substation would connect into EPCOR's existing overhead transmission line (240 kV) at two separate locations (see map below) and into an existing underground distribution system.

EPCOR expects to file an application with the Alberta Utilities Commission (AUC), which regulates the utility industry, requesting approval for the proposed project in October 2010. As part of the process, EPCOR is now consulting with the public regarding the proposed substation. The enclosed AUC brochure provides details on the regulatory approval process.

The Reason for the Project

With the rapid growth in northwest Edmonton, residential and industrial electricity demand continues to increase. The Alberta Electric System Operator (AESO) has established the need for electrical system reinforcement in the area. A new substation connecting into existing transmission and distribution lines is needed to ensure electricity customers in the area have a continuous and reliable supply of electricity.

The AESO expects to file a Needs Identification Document (NID) with the Commission in October 2010. The enclosed AESO notice provides further details on this need and the system operator.

The Proposed Location

The proposed substation would be built at approximately 105 Avenue and 190 Street, east of Anthony Henday Drive.

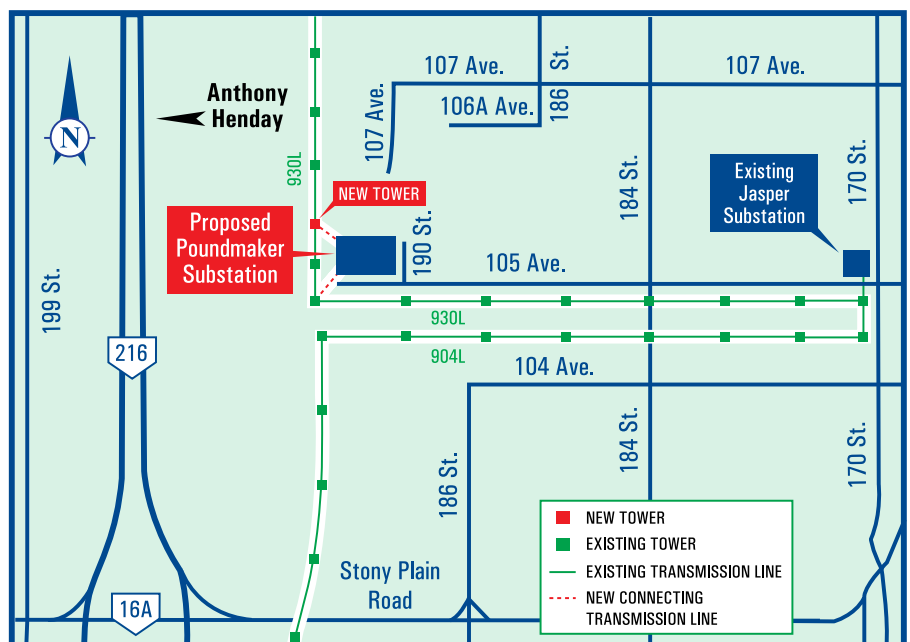
This location was chosen for three main reasons:

1. It would be constructed on EPCOR-owned land and would involve the least community disturbance both for construction and operation of the facility.
2. It would be centrally located to the customers who require the distributed electricity.
3. It provides easy access to the existing transmission and distribution system.

Please refer to the map below for the location of the proposed substation and the required connections into the existing electricity system.



Example of a substation in an Edmonton community – with a transformer and connection equipment.



Map showing the proposed location of the Poundmaker Substation in West Edmonton.

PROPOSED PROJECT TIMELINE

ACTIVITY	SCHEDULE	COMPANY RESPONSIBLE
Discuss proposed project with stakeholders and receive feedback	June – July 2010	EPCOR
Open House	June 22, 2010	EPCOR, AESO
File Needs Identification Document (NID) with the Alberta Utilities Commission	October 2010	AESO
File Facility Application with the Alberta Utilities Commission	October 2010	EPCOR
Regulatory Decision from Alberta Utilities Commission	Winter 2010 / 2011	AUC
Construction Activities if Project Approved by the AUC		
Site Preparation: • Add concrete foundations • Build chain link fence to secure the site	Spring / Summer 2011	EPCOR
Substation / 240kV Line Construction: • Mount steel support structures • Put breakers / transformers in place • Construct towers / string line	Spring / Fall 2011	EPCOR
Construction Completion and Testing	Spring 2012	EPCOR
In Service	June 1, 2012	EPCOR

CONSTRUCTION

EPCOR would work to minimize construction impacts to the community where possible. At the peak of construction, we expect less than 15 workers on site at one time. No road closures are expected. A number of specific measures would be taken to minimize the impacts of construction:

- A safety and security fence would be installed around the work area.
- Construction would occur between 7 a.m. and 7 p.m. Monday to Friday. Notification would occur should these construction times change.

EPCOR expects that the noise levels from regular construction would not exceed allowable levels set by the City of Edmonton’s Noise Bylaw. EPCOR must apply to the City of Edmonton for a bylaw exemption if it expects that acceptable noise levels would be temporarily exceeded. EPCOR would notify area residents of this additional disruption before the exemption would be approved by the City of Edmonton.

OTHER TRANSMISSION PROJECTS IN THE AREA

PROJECT NAME	DESCRIPTION	STATUS/TIMING	CONTACT
EPCOR Transmission Line Upgrade (904L Line)	Involves re-stringing approximately 12 km of an existing double circuit overhead transmission line (904L Line) in northwest Edmonton.	Conducting consultation program.	Sam (EPCOR) 780-969-8417 publicconsultation@epcor.ca
AltaLink Keephills Unit #3 - 1202L Energization	Increase the voltage of the existing 1202L transmission line from 240 kV to 500 kV.	In Construction. Energizing in late May or June 2010.	1-844-269-5903 (AltaLink) stakeholderrelations@altalink.ca
AltaLink 908L Transmission Line	Build approximately 14 km of new transmission line between Jack Fish Lake and the Keephills Substation.	Conducting consultation program.	1-844-269-5903 (AltaLink) stakeholderrelations@altalink.ca
AltaLink 904L Transmission Line Rebuild	Rebuild approximately 47 km of an existing transmission line between Jack Fish Lake and the Petrolia Substation.	Conducting consultation program.	1-844-269-5903 (AltaLink) stakeholderrelations@altalink.ca

FOR MORE INFORMATION OR TO PROVIDE YOUR FEEDBACK

EPCOR would like your feedback on this proposed project. Various communication opportunities are available:

Attend an Open House

EPCOR and the AESO are hosting an Open House on June 22, 2010 for the proposed project. Visiting the Open House is an opportunity to gather more information about the project, provide feedback and speak directly with members of the Poundmaker Substation project team.

Date: June 22, 2010

Time: 3:00 – 8:00 p.m.

**Location: Best Western Westwood Inn
18035 Stony Plain Road T5S 1B2
Ebony Room**

Meet or Speak with us in Person

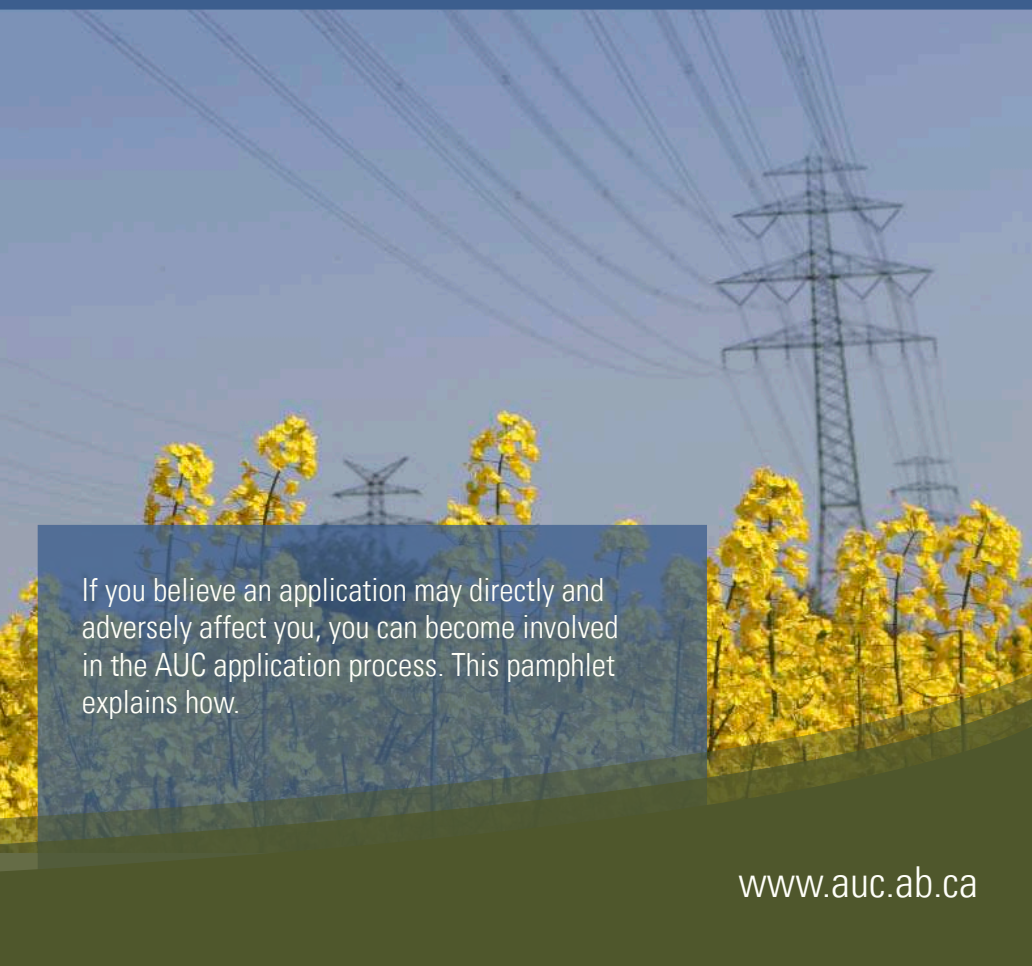
We would be happy to arrange a personal meeting or phone conversation with you at your convenience.

Please contact:

Gabrielle at 780-412-3479
publicconsultation@epcor.ca
Visit www.epcor.ca

Public Involvement In Needs Or Facilities Applications

The Alberta Utilities Commission (AUC) is committed to ensuring that every Albertan whose rights may be directly and adversely affected by a needs, or a utility facilities application, is informed of the application and has the opportunity to have their concerns heard, understood and considered.

The background of the lower half of the page is a photograph of a landscape. In the foreground, there are several trees with bright yellow flowers. In the middle ground, there are several high-voltage power lines supported by metal towers. The sky is a clear, pale blue. The entire image has a slight blue tint, especially in the upper portion.

If you believe an application may directly and adversely affect you, you can become involved in the AUC application process. This pamphlet explains how.

Step 1

Public consultation
(prior to application to the AUC)

Step 2

Application made to the AUC

Step 3

AUC issues notice of application

Step 4

Interested parties make submissions or objections

Submissions

(If no submissions are made the AUC will continue to process the application)

Step 5

Opportunity for consultation and negotiation

AUC issues notice of hearing

Step 6

Public hearing

Step 7

AUC decision

Needs: Approval of application or Denial of application or Return to applicant

Facilities: Approval of application or Approval of application with conditions or Denial of application

Step 8

Right to appeal
(by applicant or dissatisfied persons)

Step 9

Approvals, construction and operation of facility (if approved)

The Alberta Utilities Commission (AUC) regulates transmission lines, electric substations, power generation facilities (i.e. power plants including wind turbines) and gas utility pipelines in Alberta. The AUC is committed to ensuring that every Albertan whose rights may be directly and adversely affected by an application for these facilities is informed of the application and has the opportunity to have their concerns heard, considered and understood.



Transmission needs and utility facilities applications

Approvals from the AUC are required for the construction, operation, alteration and decommissioning of transmission lines and electric substations. These include:

- an approval of the need for transmission upgrades;* and
- an approval of the route and location of transmission facilities.

(*The *Electric Statutes Amendment Act* gives the provincial cabinet responsibility for approving the need for specified critical transmission infrastructure projects.)

Sometimes an application for needs approval is considered together with an application for a utility facilities approval in a single hearing, or separate hearings may be held to consider each application.

Power generation facilities and gas utility pipelines

Approvals from the AUC are required for the construction, operation, alteration and decommissioning of power generation and gas utility pipeline facilities in Alberta.

If you believe that you have rights that may be directly and adversely affected by the decision of the AUC on an application relating to a transmission line or electric substation, a power generation facility or a gas utility pipeline you can become involved in the AUC application process. This pamphlet explains how.

A summary of our process is on the page to the left. The rest of this brochure explains each of the steps.



Step 1: Public consultation prior to application

Prior to making an application to the commission on the need for transmission changes, or for a proposed facility, the applicant is required to conduct effective public consultation in the area of the proposed needs, or facilities project(s), so that concerns may be raised, properly addressed and if possible, resolved.

The commission has set out requirements for applicants to follow regarding public consultation about needs applications for transmission changes. The AUC also has requirements for public consultation for utility facilities applications in respect of power plants, substations, transmission lines and industrial system designations, set out in AUC Rule 007. The requirements for gas pipeline consultation and notification are set out in AUC Rule 020. AUC Rule 007 and Rule 020 can be found on the AUC website at www.auc.ab.ca.

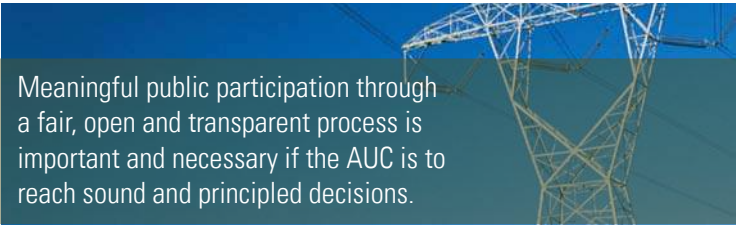
Potentially-affected parties are strongly encouraged to participate in the initial public consultation, as early involvement in informal discussions with an applicant may lead to greater influence on project planning.



Step 2: Application to the Alberta Utilities Commission

After the applicant has conducted its public consultation process, it should take into consideration what it learned during consultations and make any amendments it sees as necessary and reasonable to its proposal. The applicant then makes an application to the Alberta Utilities Commission.

Applicants must identify in their application any unresolved objections or concerns that they are aware of from the public consultation process.



Meaningful public participation through a fair, open and transparent process is important and necessary if the AUC is to reach sound and principled decisions.

Parties wanting to become a participant in an AUC proceeding must make a written submission to the AUC.

Step 3: Public notification

After the commission is satisfied that an application is complete, for most applications a notice of application is issued to parties that may be directly and adversely affected by the proposed project. The notice is also typically published in local newspapers. The notice will provide key dates, contacts and information on how to participate for those who are interested in becoming involved in the application process.

Step 4: Public participation

If you wish to become a participant in a proceeding, you must make a written submission to the commission in accordance with the AUC's notice of application.

Submissions must contain:

- a brief description of your concern with or interest in the application, in particular how approval of the application may directly and adversely affect you; and
- a brief explanation of your position, on what decision you feel the AUC should take, including why you believe that the commission should accept your recommendation.

The commission will consider your submission and decide whether you are a person who may be directly and adversely affected by the proposed project. If you are, an AUC public hearing may be held.



Subject to the *Freedom of Information and Protection of Privacy Act*, all documents filed in respect of an application must be placed on the public record and are accessible through the AUC website. If you wish to keep any information in a document confidential, you must make a request for confidentiality to the commission. To do this, contact the lead application officer specified in the notice of application, before filing the document in question.

AUC filing systems

Documents associated with applications are stored and accessed through the AUC's electronic filing systems. Submissions may be sent to the commission by mail, email, fax or directly through its electronic filing system. More information on these systems can be found on the AUC's website at www.auc.ab.ca or by calling Electronic Filing Services. Please see the back cover of this pamphlet for contact information.

Financial assistance

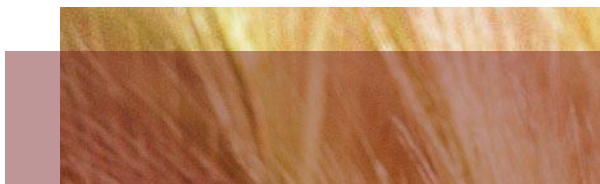
If a party may be potentially directly and adversely affected by a proposed facility, they can apply to be reimbursed for reasonable costs incurred in support of their participation in a commission proceeding. Details regarding recovery of participants' costs are described in AUC Rule 009, Rules on Local Intervener Costs, available on the AUC's website at www.auc.ab.ca.



Step 5: Consultation and negotiation

The commission supports ongoing efforts to reach a positive outcome for the applicant and all affected parties. The commission encourages the applicant and those who have filed submissions to continue to attempt to resolve any outstanding issues.

Sometimes in utility facilities applications, the applicant may suggest that it enter into an alternative dispute resolution (ADR) process to resolve any outstanding issues. In an ADR process, the applicant and the participants agree to meet with an independent third party who will facilitate discussions between the parties in an attempt to reach an agreement.





ADR is neither mandatory nor binding on either party. However, it can be an effective tool to try and resolve issues in an amicable environment and manner. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continue to be unresolved issues after further discussions with participants, typically those matters will be addressed at an AUC public hearing.

Early involvement in discussion with the applicant may lead to greater influence on project planning.

Step 6: The public hearing process

The public hearing process provides an opportunity for those who were unable to resolve their concerns with the applicant to express their views directly to a commission panel. Those persons who the commission has determined may be directly and adversely affected by the proposed application are entitled to participate in the hearing.

The commission publishes a notice of hearing in newspapers distributed in the local area, in major Alberta daily newspapers and on the AUC website at www.auc.ab.ca. Copies of the notice are also mailed to the applicant and participants.

The notice of hearing will set out the deadlines for various steps in the process, including the process and timelines for filing written submissions and for preparing questions to be answered by the applicant or other participants.

An AUC public hearing operates similarly to a court proceeding and is a quasi-judicial process. The hearing is open to the general public.

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

Persons who hire legal counsel or technical experts must be aware that while reimbursement for the costs of legal and technical assistance may be available, recovery of costs is subject to the commission assessing the value of the contribution provided by counsel and technical experts. People with similar interests and positions are expected to work together to ensure that any expenditures on outside legal or technical assistance are efficiently spent and not duplicated.



Step 7 : The decision

After hearing a needs application the commission either approves the application, denies the application, or sends the application back to the applicant with suggestions for change.

After hearing a utility facilities application, the AUC has three options in reaching a decision: approve the application as applied for, approve it with conditions, or deny it. The AUC endeavors to release decisions within 90 days from the close of the record. Decisions are issued in the form of a public written decision report that summarizes the commission's findings and includes its final decision.

All commission decision reports are available to any member of the public on the commission's website (www.auc.ab.ca) or by calling the AUC's Information Services. Please see the back cover of this pamphlet for contact information.



Step 8: Right to appeal

A participant in a hearing who is unhappy with the decision of the commission may request that the commission review and vary its decision. Such a request must follow the procedure set out in the commission's Rule 016, Review and Variance of Commission Decisions. A dissatisfied participant may also file a leave to appeal motion in the Court of Appeal of Alberta within 30 days from the date the decision is issued.

All commission decision reports are available to any member of the public on the commission's website (www.auc.ab.ca) or by calling Information Services. See the back cover of this pamphlet for contact information.



Step 9: Construction and operation

Any applicant that receives a licence or permit to build and operate a facility from the commission must adhere to any conditions that were set out in the commission's decision. If you notice something during the construction or operational phases of a project that concerns you, bring this to the applicant's attention. If you are not satisfied with the response you receive, please bring your concerns to the attention of the AUC Complaints Group. See back cover of this pamphlet for contact information.





AUC

Alberta Utilities Commission

AUC contact information:

Facilities Division
Phone: 403-592-4403 and ask to speak
to the Facilities Division

Complaints Group
Phone: 780-427-4903, or
Email: utilitiesconcerns@auc.ab.ca

Information Services
Phone: 780-427-9362, or
Email: info@auc.ab.ca

Electronic Filing (E-Filing) Services
Phone: 780-643-1055, or
Email: SystemServices@auc.ab.ca

Other contacts:

Surface Rights Board
(Land Compensation and Negotiation)
Phone: 780-427-2444
www.surfacerights.gov.ab.ca

Alberta Environment
(Land Conservation and Reclamation)
Phone: 780-427-2700
www.environment.alberta.ca

Alberta Electric System Operator
(AESO)
Phone: 1-888-588-2376
www.aeso.ca



Calgary - Head Office
Fifth Avenue Place East
400, 425-1 Street S.W.
Calgary, Alberta T2P 3L8
Phone: 403-592-8845*
Fax: 403-592-4486

*Dial 310-1000 prior to the 10 digit numbers
for toll-free access anywhere in Alberta.

This brochure provides general information about
public involvement in needs and utility facilities
applications before the AUC. Specific participation
opportunities and requirements may differ depending
on the type of application.

Updated December 2009

Printed in Canada on recycled paper.



Edmonton Office
HSBC Building
10th Floor, 10055-106 Street
Edmonton, Alberta T5J 2Y2
Phone: 780-427-4901*
Fax: 780-427-6970

www.auc.ab.ca



EPCOR Poundmaker Substation Project - Need for transmission system development in the northwest Edmonton area

For more information please contact the AESO at 1-888-866-2959, www.aeso.ca or stakeholder.relations@aeso.ca

Why is transmission system development needed in the northwest Edmonton area?

Residential and industrial demand for electricity in the northwest Edmonton area continues to grow and transmission system development to help meet this demand is required. The Alberta Electric System Operator (AESO) has established the need for transmission system development in the northwest Edmonton area. The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need identified for transmission development in the west Edmonton area in Fall 2010.

Who is the AESO?

Alberta's transmission system, sometimes referred to as the Alberta Interconnected Electric System (AIES) or "grid," is planned and operated by the Alberta Electric System Operator (AESO). The transmission system is comprised of the high-voltage lines, towers and equipment (generally 69 kV and above) that transmit electricity from generators to lower voltage systems that distribute it to cities, towns, rural areas and large industrial customers. Our job is to maintain safe, reliable and economic operation of the provincial transmission grid. Our planning responsibility includes identifying needed transmission development and recommending preferred options to meet these needs. We are regulated by the AUC and must apply for approval of the transmission system needs we identify. Further, the AESO is also mandated to facilitate the interconnection of qualified electricity generators and new load customers to the provincial transmission grid.

How is EPCOR involved?

EPCOR is the Transmission Facility Owner (TFO) in the west Edmonton area. While the AESO is responsible for determining the need for transmission system development, EPCOR, when directed by the AESO, is responsible for filing an application with the AUC for approval of the transmission facilities that will satisfy the transmission system development need identified by the AESO.

The AESO appreciates the views of stakeholders. Your comments and suggestions on the plan for transmission system development are encouraged. If you have any questions or suggestions regarding the need for transmission system development in the west Edmonton area or the AESO's application regarding this need, please contact:

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

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

Proposed Poundmaker Substation Project - Public Consultation: Process to Determine Coverage for Project Information Package Mailing

According to the Alberta Utilities Commission's Rule 007, notification of the proposed Poundmaker Substation Project was to include those addresses within an 800 meter radius of the proposed site of the substation. To determine the exact mailing addresses of the stakeholders that were to be notified of the Poundmaker Substation project, the Commercial Division of Canada Post was contacted regarding bulk mailing of non-addressed mail. Canada Post indicated that the postal code area maps and their corresponding Letter Carrier Routes were outlined on the Canada Post website at <http://www.canadapost.ca/cpc2/addrm/hh/current/index/cpALL-e.asp>

In determining area for coverage the following parameters were used:

- An approximate 1,000 metre radius from the proposed substation location property boundary route (1,000 metres on all sides) which extends beyond the 800 metre regulatory requirement
- This coverage did not exactly match Letter Carrier Walk routes, so in some cases a larger radius was covered.
- Letter Carrier Routes, "Super Mailboxes" and Postal Boxes in these areas were included for the mailing

As outlined below one (1) postal code area was covered in part (T5S), with the number of newsletters distributed totaling 980.

Letter Carrier Routes / Numbers for the Poudmaker Newsletter Bulk Mail

Edmonton Main Processing Plant on 149 street and 121 A Ave.

Postal Code T5S

Letter Carrier Walk	Number Distributed
LC 0274	69
LC 0275	72
LC 0280	123
LC 0281	175
LC 0282	137
LC 0283	91
LC 0285	67
SS0023	246
Total	980

Appendix “B”

Advertisement

ATTEND AN OPEN HOUSE

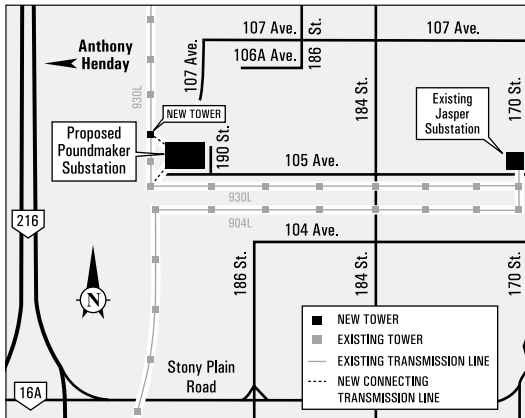
PROPOSED POUNDMAKER SUBSTATION PROJECT

Tuesday, June 22

3:00 – 8:00 p.m.

Best Western Westwood Inn
18035 Stony Plain Road
Ebony Room

You are invited to attend an Open House to discuss the proposed Poundmaker Substation Project involving the construction of a new substation at approximately 105 Avenue and 190 Street, east of Anthony Henday Drive.



With the rapid growth in northwest Edmonton, residential and industrial electricity demand continues to increase. The Alberta Electric System Operator (AESO) has established the need for electrical system reinforcement in the area. A new substation connecting into existing transmission and distribution lines is needed to ensure electricity customers in the area have a continuous and reliable supply of electricity.

Please join us to learn more about the proposed project, planned construction activities and the regulatory process. The AESO and EPCOR staff will be available to answer your questions and receive your comments.

For more information please visit www.epcor.ca/poundmaker or www.aeso.ca.



Appendix “C”

Presentation Boards

Welcome

Proposed Poundmaker Substation Project

Please Join Us in the Ebony Room

The Alberta Electric System Operator (AESO) and EPCOR welcome you.



Project Team Representatives

Alberta Electric System Operator

Brandy, *Stakeholder Relations*

EPCOR

Nerkez, *Project Manager*

Travis , *Facility Applications*

Scott, *Project Engineer*

Allie, *Public Consultation*

Who is EPCOR?

Headquartered in Edmonton, Alberta, EPCOR builds, owns and operates electrical transmission and distribution networks, water and wastewater treatment facilities and infrastructure in Canada.

- EPCOR is a Top 50 Alberta company and our 2008 Corporate Responsibility Report achieved an "A+" level of reporting under Global Reporting Initiative Guidelines.
- EPCOR provides water, wastewater, and distribution services to more than one million people across Western Canada.
- EPCOR distributes about 14% of the province of Alberta's energy consumption to more than 300,000 residential and commercial customers in Edmonton.
- In Alberta, EPCOR provides regulated rate electricity service to more than 600,000 residential and small commercial customers.
- EPCOR is governed by an independent Board of Directors and its sole shareholder is the City of Edmonton.



EPCOR Operations

Legend

Distribution & Transmission

- Owns and operates high voltage substations and transmission lines, and distributes electricity to more than 300,000 residential and commercial customers in the City of Edmonton.

Water Services

Designs, builds, operates and finances water and wastewater facilities in partnership with municipalities, governments and industrial clients. EPCOR provides water and wastewater services to over one million people in more than 50 communities.

- Water Facilities
- Wastewater Facilities
- Water/Wastewater Facilities

Energy Services

Provides regulated rate electricity service to more than 600,000 residential and small commercial consumers in Alberta.

The Proposed Project



Example of a substation in an Edmonton community – with a transformer and connection equipment.

EPCOR is proposing to build a new 240/25 kilovolts electrical distribution substation in northwest Edmonton to meet the increasing electricity demands in the area due to residential and industrial growth.

- Located at approximately 105 Avenue and 190 Street, east of Anthony Henday Drive on EPCOR owned property.
- Approximate footprint of 100 metres by 100 metres.
- Features two new transformers, a building to house the switchgear, and underground and overhead connections to existing distribution and transmission lines.
- One new transmission tower would be required to support the transmission line spanning from the new substation to the existing transmission line.

Proposed Project Timeline

ACTIVITY	SCHEDULE	COMPANY RESPONSIBLE
Discuss proposed project with stakeholders and receive feedback	June – July 2010	EPCOR
Open House	June 22, 2010	EPCOR, AESO
File Needs Identification Document (NID) with the Alberta Utilities Commission	October 2010	AESO
File Facility Application with the Alberta Utilities Commission	October 2010	EPCOR
Regulatory Decision from Alberta Utilities Commission	Winter 2010 / 2011	AUC
Construction Activities if Project Approved by the AUC		
Site Preparation: <ul style="list-style-type: none"> • Add concrete foundations • Build chain link fence to secure the site 	Spring / Summer 2011	EPCOR
Substation / 240kV Line Construction: <ul style="list-style-type: none"> • Mount steel support structures • Put breakers / transformers in place • Construct towers / string line 	Spring / Fall 2011	EPCOR
Construction Completion and Testing	Spring 2012	EPCOR
In Service	June 1, 2012	EPCOR

Project Impacts

Construction

- Expect less than 15 workers on site at one time.
- No road closures expected.
- Safety and security fence installed around the work area.
- Construction hours 7 a.m. to 7 p.m. Monday to Friday.

Noise

- Required to meet the City of Edmonton's noise bylaw.
- Noise studies conducted before and after construction to monitor noise levels.

Safety/Security

- Fence and safety signage around the new substation property.
- Monitored regularly for safety and intrusion purposes.

Regulatory and Public Consultation Process

Application Development

Alberta Electric System Operator (AESO) determines the need to expand or enhance the transmission and distribution systems and identifies alternatives to alleviate transmission and distribution systems constraints or conditions.

The Transmission Facility Owner (TFO) carries out the public consultation, the environmental work and the route and/or site selection.

The AESO files the Needs Identification Document (NID); the TFO files the Facility Application (FA). The AESO may request the TFO to file the Facility Application at the same time as the AESO files the NID, so that the Alberta Utilities Commission (AUC) can hold a single proceeding for both applications.

Regulatory Approval Process

NID

FA

AUC provides public notice of the joint needs-facility application.

AUC proceeding on application.

AUC decision on application.

YES

AESO/TFO Response

NO

TFO begins facility construction

AESO/TFO reassesses project

PUBLIC CONSULTATION*

*Public Consultation is a continuous process that occurs throughout the regulatory approvals and construction (if approved) phases of the project.

The Proposed Location

Map showing the proposed location of the Poundmaker Substation in West Edmonton.

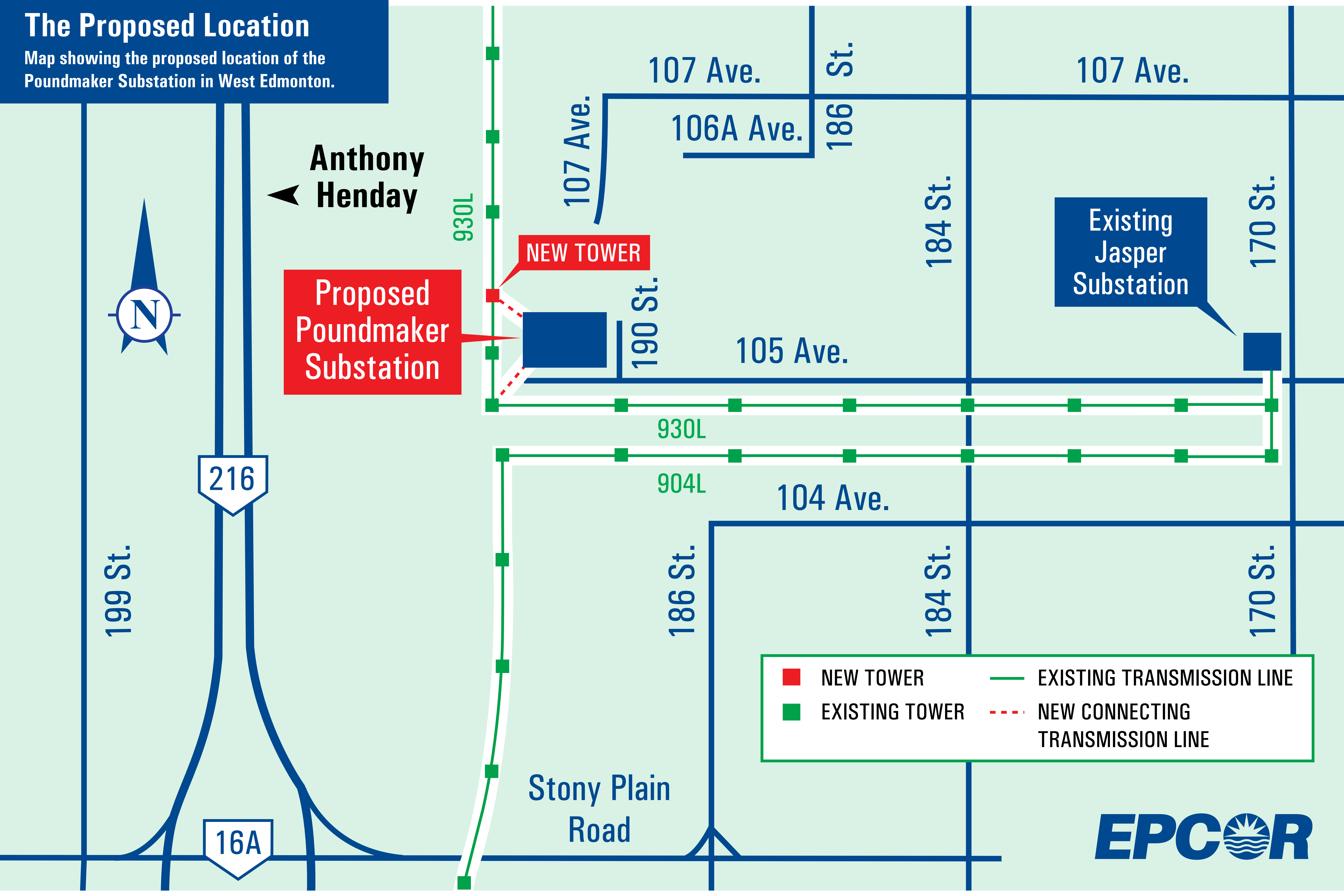
Anthony Henday

Proposed Poundmaker Substation

Existing Jasper Substation

NEW TOWER

	NEW TOWER		EXISTING TRANSMISSION LINE
	EXISTING TOWER		NEW CONNECTING TRANSMISSION LINE



The AESO is:

A not-for-profit statutory company, operating in the public interest.

Independent of any company or person with a material interest in the electric industry.

AESO Key Functions:

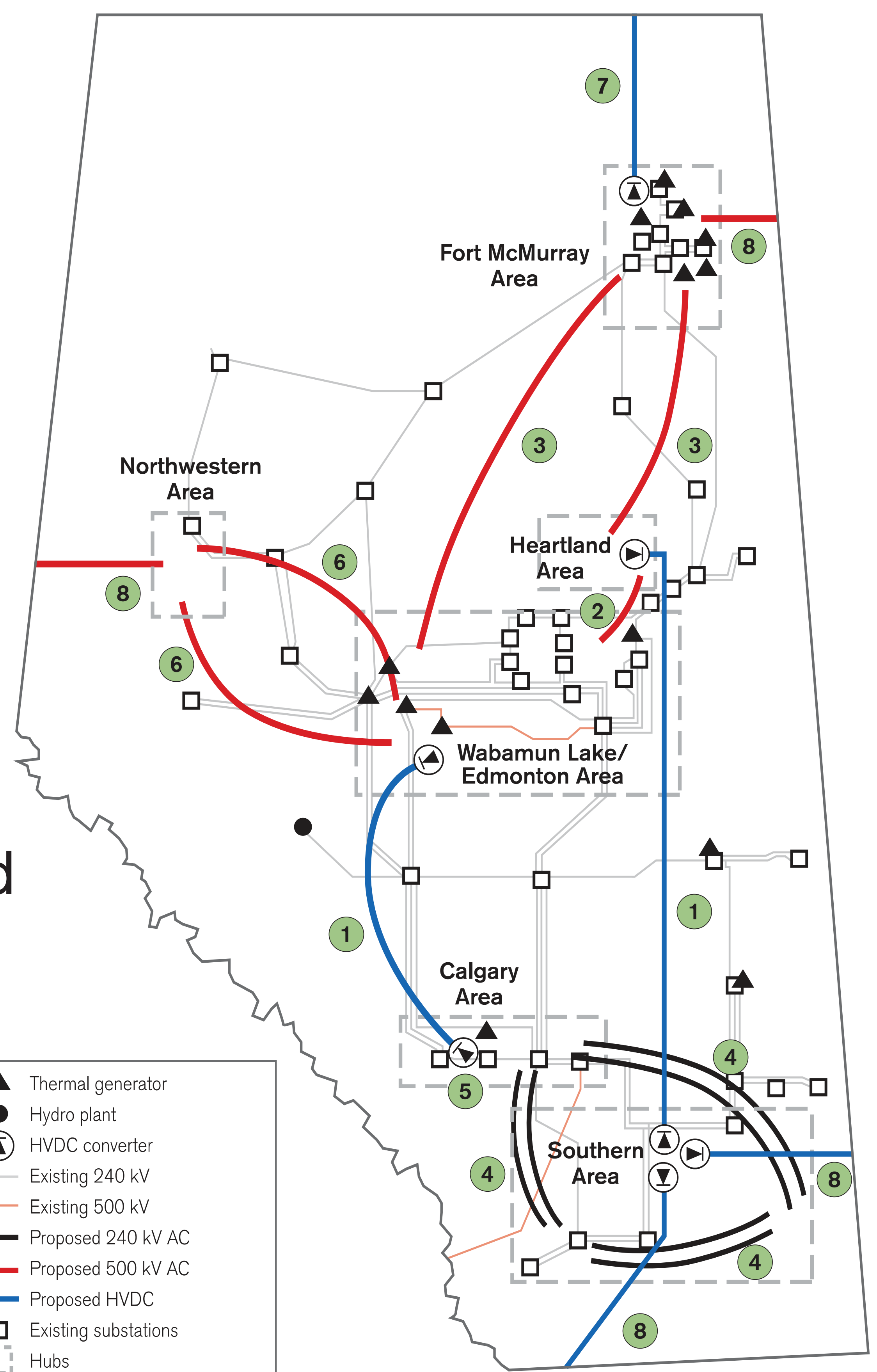
- Operate the wholesale electric market
- Plan the transmission system
- Arrange access for demand and generation
- Direct day-to-day operation of the transmission system

Critical Transmission Infrastructure (CTI)

Tier 1 Projects will:

- Create a stronger system between **Edmonton and Calgary**
- Address the power needs of industry in the **Industrial Heartland** around Edmonton and north to **Fort McMurray**
- Add capacity in **southern system** to connect new wind farms
- Upgrade the system in and around the city of **Calgary**

Tier 2 Projects include critical transmission infrastructure that requires further technical analysis and public consultation.



CTI – Tier 1	▲ Thermal generator
① Edmonton-Calgary	● Hydro plant
② Heartland	⊕ HVDC converter
③ Wabamun Lake-Edmonton-Fort McMurray	— Existing 240 kV
④ Southern Alberta (wind)	— Existing 500 kV
⑤ South Calgary	— Proposed 240 kV AC
CTI – Tier 2	— Proposed 500 kV AC
⑥ Wabamun Lake-Northwestern Alberta	— Proposed HVDC
⑦ Fort McMurray-Slave River Hydro	□ Existing substations
⑧ Interties	⊡ Hubs

Note: For illustrative purposes only; does not depict actual line routes or substation locations.

HVDC: high voltage direct current
 kV: kilovolt
 AC: alternating current

EPCOR Poundmaker Substation Project - Need for Transmission Development in the Northwest Edmonton Area

Why is transmission development needed?

- Growth in residential and industrial demand for electricity

What kind of transmission development is needed?

- New 240/25 kV substation connecting into existing transmission and distribution lines in the northwest Edmonton area with new 240 kV transmission line

When will the AESO apply for approval?

- Application for approval to the Alberta Utilities Commission in Fall 2010 at the same time EPCOR applies for the facilities required to meet the need identified

Appendix “D”

Participant Exit Survey and Compiled Results

PARTICIPANT SURVEY

General Questions

1. How did you hear about the Open House?

2. Were the displays helpful in understanding the proposed project?

Very helpful Somewhat helpful Not at all helpful

3. Were staff helpful in answering questions?

Very helpful Somewhat helpful Not at all helpful

4. The information provided was

Adequate Too much Too little
 Just right Too technical Too conceptual

5. Do you own property or do you work near the site for the proposed Poundmaker Substation?

Alberta Electric System Operator (AESO) – Identifying the Need for Transmission Development

6. Was the information on the need for transmission system development fully addressed by the AESO?

Yes No

7. What are your top issues that AESO should address in reviewing the NEED for the proposed project?

EPCOR - Identifying the Facilities - Siting, Design and Construction

8. Was the information on the siting, design, and construction of the proposed substation fully addressed by EPCOR? Yes No

9. What are your top issues that EPCOR should address in siting, designing, and constructing the proposed substation and associated facilities?

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OPEN HOUSE (TUESDAY, JUNE 22, 2010)

10. Did you clearly understand the different roles of the AESO and EPCOR and the different purposes of the AESO's Needs Identification Document Application and EPCOR's Facility Application?

11. Please share your questions and/or comments regarding the need, construction and timing for the proposed project. In doing so, you understand that a summary of all questions and comments raised at the Open House will be posted on the AESO and EPCOR websites.

12. Other Comments?

A summary of participant questions and answers will be included in the Open House Summary Report and will be posted on the EPCOR website at www.epcor.ca/poundmaker and the AESO website at www.aeso.ca.

Please send me a copy of the Open House Summary Report

Name _____

Mailing Address _____

Email: _____

Thank you for your input.

EPCOR's Privacy Statement

EPCOR respects your right to privacy. Any personal information we collect about you including your name, address, phone number and email address, will only be used in regards to the Poundmaker Project. EPCOR may also share this information with the Alberta Electric System Operator (AESO). For further information, please see EPCOR's Privacy Policy at www.epcor.ca.

AESO's Privacy Statement

The AESO is committed to protecting your personal privacy in accordance with Alberta's Personal Information Protection Act. Any personal information collected by the AESO with regard to this project may be used to provide you with further information about the project, may be disclosed to the Alberta Utilities Commission (and as a result, may become public), and may also be disclosed to the local Transmission Facility Owner. If you have any questions about how the AESO will use and disclose your personal information collected with regard to this project, please contact us at 888-866-2959 or at stakeholder_relations@aesoc.ca.

PROPOSED POUNDMAKER SUBSTATION PROJECT

OPEN HOUSE (TUESDAY, JUNE 22, 2010)

Participant Survey Results summary

8 attendees
3 completed surveys

General Questions

1. How did you hear about the Open House?
 - a) 2 – newspaper
 - b) 1 - Mail

2. Were the displays helpful in understanding the proposed project?
 - a) 3 - Very helpful
 - b) 0 - Somewhat helpful
 - c) 0 - Not at all helpful

3. Was staff helpful in answering questions?
 - a) 3 - Very helpful
 - b) 0 - Somewhat helpful
 - c) 0 - Not at all helpful

4. The information provided was
 - a) 2 - Adequate
 - b) 1 - Just right
 - c) 0 - Too much
 - d) 0 - Too little
 - e) 0 - Too technical
 - f) 0 - Too conceptual

5. Do you own property or do you work near the site for the proposed Poundmaker Substation?
 - a) 1 - Yes
 - b) 1 - No

Alberta Electric System Operator (AESO) – Identifying the Need for Transmission Development

6. Was the information on the need for transmission system development fully addressed by the AESO?
 - a) 3 - Yes
 - b) 0 – No

PROPOSED POUNDMAKER SUBSTATION PROJECT

OPEN HOUSE (TUESDAY, JUNE 22, 2010)

7. What are your top issues that AESO should address in reviewing the NEED for the proposed project?
 - a) 2 – N/A
 - b) 1 – use local content

EPCOR - Identifying the Facilities - Siting, Design and Construction

8. Was the information on the siting, design, and construction of the proposed substation fully addressed by EPCOR?
 - a) 2 - Yes
 - b) 0 - No
 - c) 1 - N/A
9. What are your top issues that EPCOR should address in siting, designing, and constructing the proposed substation and associated facilities?
 - d) 2 – N/A
 - e) 1- blank
10. Did you clearly understand the different roles of the AESO and EPCOR and the different purposes of the AESO's Needs Identification Document Application and EPCOR's Facility Application?
 - a) Did not address this question
 - b) Yes
 - c) Too bureaucratic
11. Please share your questions and/or comments regarding the need, construction and timing for the proposed project. In doing so, you understand that a summary of all questions and comments raised at the Open House will be posted on the AESO and EPCOR websites.
 - a) Build it, by all means
 - b) 2 are blank
12. Other Comments?
 - a) All are blank