

APPENDIX D AESO PIP

Vincent 2019S Substation Connection

Needs Identification Document

1.0 Participant Involvement Program (PIP)

From October 2014 to December 2015, the AESO conducted a Participant Involvement Program (PIP) to assist in preparing its Vincent 2019S Substation Connection Needs Identification Document (NID). The AESO directed transmission facility owner (TFO), ATCO Electric Ltd. (ATCO), to assist the AESO in providing notification in accordance with NID14 and Appendix A2 of Alberta Utilities Commission Rule 007.

1.1 Stakeholder Notification

The AESO's PIP was designed to notify and provide information to all occupants, residents and landowners within the notification area of the proposed development, as well as to other interested parties, including the following government bodies, agencies and other stakeholder groups (Stakeholders):

- Alberta Culture and Tourism
- Alberta Environment and Parks
- Alberta Transportation
- Alberta Utilities Commission
- County of Minburn No.27
- County of Two Hills No.21
- County of Vermilion River No.24
- Industry Canada
- Nav Canada
- Transport Canada Civil Aviation/Aerodrome Safety
- TELUS Communications Inc.
- Frog Lake First Nation
- Kehewin Cree Nation
- Saddle Lake Cree Nation

The AESO used a variety of methods to notify stakeholders on the need for the Vincent 2019S Substation connection. The AESO developed a one-page Need Overview document that described the need for the proposed transmission development. A copy of this document was posted to the AESO website at <http://www.aeso.ca/transmission/31320.html> on November 6, 2014. A copy of the Need Overview posting is included as Attachment 1.

The Need Overview was also included with ATCO's project-specific information package mailed on October 9, 2014 to the Stakeholders noted above. Attachments 2, 3, 4 and 5 include copies of ATCO's information brochures.

Due to changes in the scope of the project, the AESO updated its one-page Need Overview and posted a copy of this document to the AESO website at <http://www.aeso.ca/transmission/31320.html> and a notice was published in the AESO Stakeholder Newsletter on October 27, 2015. Copies of the updated Need Overview posting and the AESO Stakeholder Newsletter notice have been included as Attachments 6 and 7, respectively.

The updated Need Overview was also included in ATCO's updated project-specific information package and mailed October 16, 2015 to the Stakeholders noted above. Included as Attachments 8 and 9 are copies of ATCO's updated information brochures.

To ensure that Stakeholders had the opportunity to provide feedback, the AESO also provided Stakeholders with a dedicated, toll-free telephone line (1-888-866-2959) and a dedicated email address (stakeholder.relations@aeso.ca). AESO 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, were included on the Need Overview related to this application.

As directed by the AESO, the TFO was prepared to direct any inquiries or concerns about the project need to the AESO. The TFO has indicated that Stakeholders have not identified any concerns or objections with the need for the proposed transmission development.

1.2 Public Notification

Most recently, the AESO published a Public Notification of Filing to the AESO website at <http://www.aeso.ca/transmission/31320.html> on November 23, 2015 and in the AESO Stakeholder Newsletter on November 24, 2015. Copies of the Public Notification of Filing posting and the AESO Stakeholder Newsletter notice have been included as Attachments 10 and 11, respectively.

1.3 Concerns and Objections Raised

The AESO received comments from three stakeholders who had questions about the facilities. We responded to two of them by explaining the need for the project and clarifying the roles of the TFO and the AESO. All comments and questions have been appropriately addressed.

The AESO was unable to reach the third stakeholder.

The AESO is not aware of any outstanding concerns.

1.4 List of Attachments

- Attachment 1 – AESO Need Overview (October 2014)
- Attachment 2 – ATCO’s Information Brochure – *Vincent Substation Project* (October 2014)
- Attachment 3 – ATCO’s Information Brochure – *Minor Alterations to the Irish Creek Substation* (October 2014)
- Attachment 4 – ATCO’s Information Brochure – *Vincent Substation Telecommunication Tower* (October 2014)
- Attachment 5 – *Vegreville Substation Telecommunication Tower* (October 2014)
- Attachment 6 – AESO Need Overview: Update for Stakeholders (August 2015)
- Attachment 7– AESO Stakeholder Newsletter Need Overview: Update for Stakeholders Notice (October 2015)
- Attachment 8 – ATCO’s Information Brochure: *Project Update – Vincent Substation Project* (October 2015)
- Attachment 9 – ATCO’s Information Brochure: *Project Update: Vegreville Substation Telecommunication Tower* (October 2015)
- Attachment 10 – AESO Public Notification of Regulatory Filing (AESO Website Posting) (November 2015)
- Attachment 11 – AESO Stakeholder Newsletter Posting (November 2015)

Attachment 1 – AESO Need Overview (October 2014)

Need for the Vincent 2019S Substation in the Vegreville area

Transmission Development Information for Stakeholders



ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for additional transmission capacity to connect a new industrial facility to the electric system. ATCO's request can be met by constructing a new substation, Vincent 2019S, including a 144/6.9 kV transformer and a 144 kV breaker, and connecting it to an existing transmission line 7L65. The project will also include a new telecommunication tower. In addition, the Irish Creek 706S substation will need to be modified. This includes the addition of a 25 MVAR capacitor bank and a 144 kV breaker.

The AESO is processing ATCO's request, including providing information to landowners, occupants, residents and agencies that may be near the proposed transmission development. The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of this need in early 2015. The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/nid at the time of its application to the AUC.

Who is the AESO?

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

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

How is ATCO involved?

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

Further Information

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

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

If you have any questions or concerns, please contact us at 1-888-866-2959 or at stakeholder.relations@aeso.ca. The AESO is committed to protecting your privacy. Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. The AESO will not use your personal information for any other purposes and will not disclose your information without consent or a legal obligation. If you choose to communicate by email, please note, email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.

Attachment 2 – ATCO’s Information Brochure – *Vincent Substation Project* (October 2014)

SHAPE the conversation

October 2014



VINCENT SUBSTATION PROJECT

The Vincent substation project is necessary to connect a new industrial facility to the electrical system.

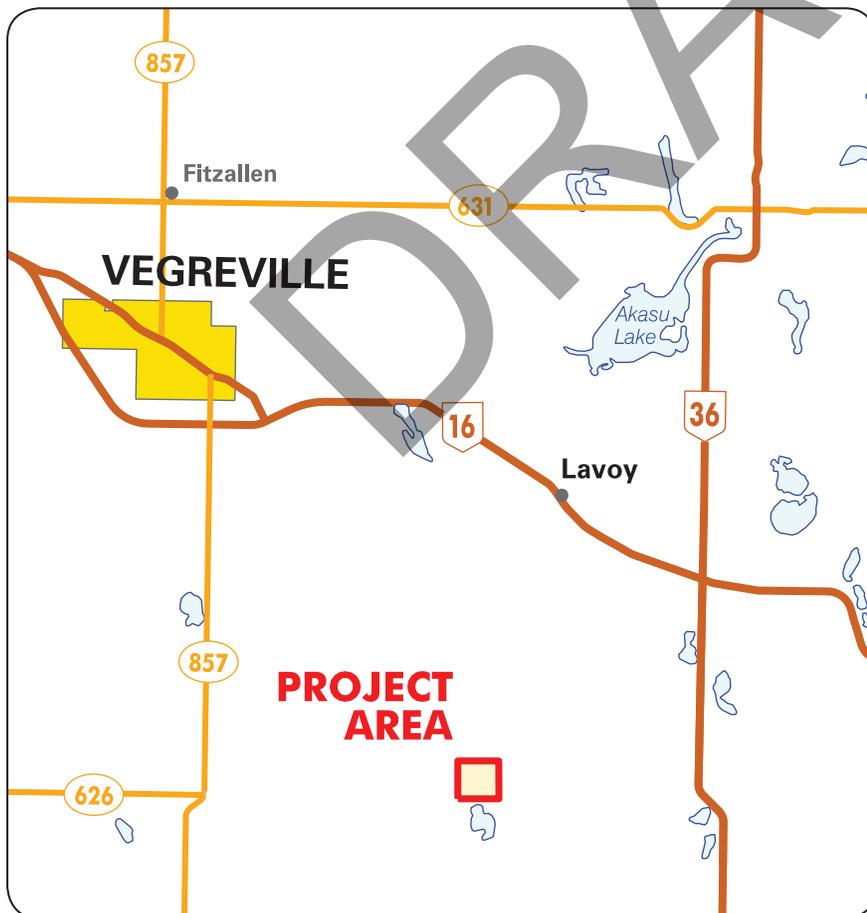
The project will include the construction of a new substation and approximately 50 metres (m) of new transmission line. The new line will connect the planned substation (to be called Vincent 2019S) to an existing transmission line (called 7L65). The project will also include a new telecommunication tower and control building.

If approved, the Vincent substation project will be located approximately 25 kilometres southeast of Vegreville in the County of Minburn No.27.

ATCO Electric is seeking your input on how this project may affect you.

Alberta's growing population and expanding industry are driving an increasing need for power. New projects are being planned to meet those needs.

ATCO Electric's consultations with landholders on transmission projects routinely lead to improvements on our projects. We have adjusted project plans as a result of feedback and conversations with landholders.



The AUC

ATCO Electric - A Regulated Utility

Alberta's electrical system is regulated by the Alberta Utilities Commission (AUC). The AUC is a quasi-judicial agency that ensures the services provided by ATCO Electric and other Alberta utilities take place in a fair and responsible manner and are in the public's interest. Before ATCO Electric can begin construction on a project, the AUC must approve the facilities application, which includes details such as the location of transmission facilities and routes. For more information, please refer to the enclosed AUC brochure.

[This package provides important project information and outlines ATCO Electric's public consultation process.](#)

[We invite any comments, questions or concerns you may have. Please refer to the back page for our contact details.](#)

THE PROJECT

If approved, the project will involve the construction of a new substation and approximately 50 metres of new transmission line. The new line will connect the planned new Vincent substation to an existing transmission line.

The project will also include one new telecommunication tower and control building.



The Process

Please let us know if you have any questions, concerns and/or suggestions regarding this project. You can provide feedback and share other information using the enclosed reply form and postage paid envelope.

If you are in the vicinity of the planned facilities, ATCO Electric will contact you in the coming weeks to schedule a personal consultation.

Once feedback has been considered and the project details have been finalized, ATCO Electric will submit a facilities application to the AUC to obtain approval for the construction and operation of the planned transmission facilities.

Vincent Substation

If approved, the new substation (to be called 2019S) will be located on the southeast quarter of Section of 6-51-13 W4M (please see the site layout to the right). The new substation will include the following equipment:

- One 144/6.9-kilovolt (kV) transformer;
- One 144-kV circuit breaker;
- One 26 metre telecommunication tower and control building; and,
- Associated switches and equipment.

The planned substation site was chosen to ensure:

- Suitable site conditions;
- Good access;
- Sufficient space for initial development and incoming lines;
- Optimal usage of existing disturbed areas;
- Adequate setback from adjacent development; and,
- Proximity to the industrial facility.

144-kV Transmission Line

If approved, approximately 50 m of new 144-kV single circuit transmission line (to be called 7LB65) will be constructed. The line will connect the planned Vincent substation to an existing transmission line (called 7L65).

To accommodate the new line, alterations to transmission line 7L65 will be required. If approved, alterations will include the addition of one new 'dead-end' structure where the new line connects to the existing line and two new 144-kV switching structures. The alterations will occur within the existing right-of-way.

THE SCHEDULE

Public consultation begins with sharing information about the project in order to find the best options

We gather your input. Based on this input and other factors, adjustments to plans may be made.

ATCO Electric submits an application to the AUC to build the proposed facilities.

The AUC reviews the application in a public process*.

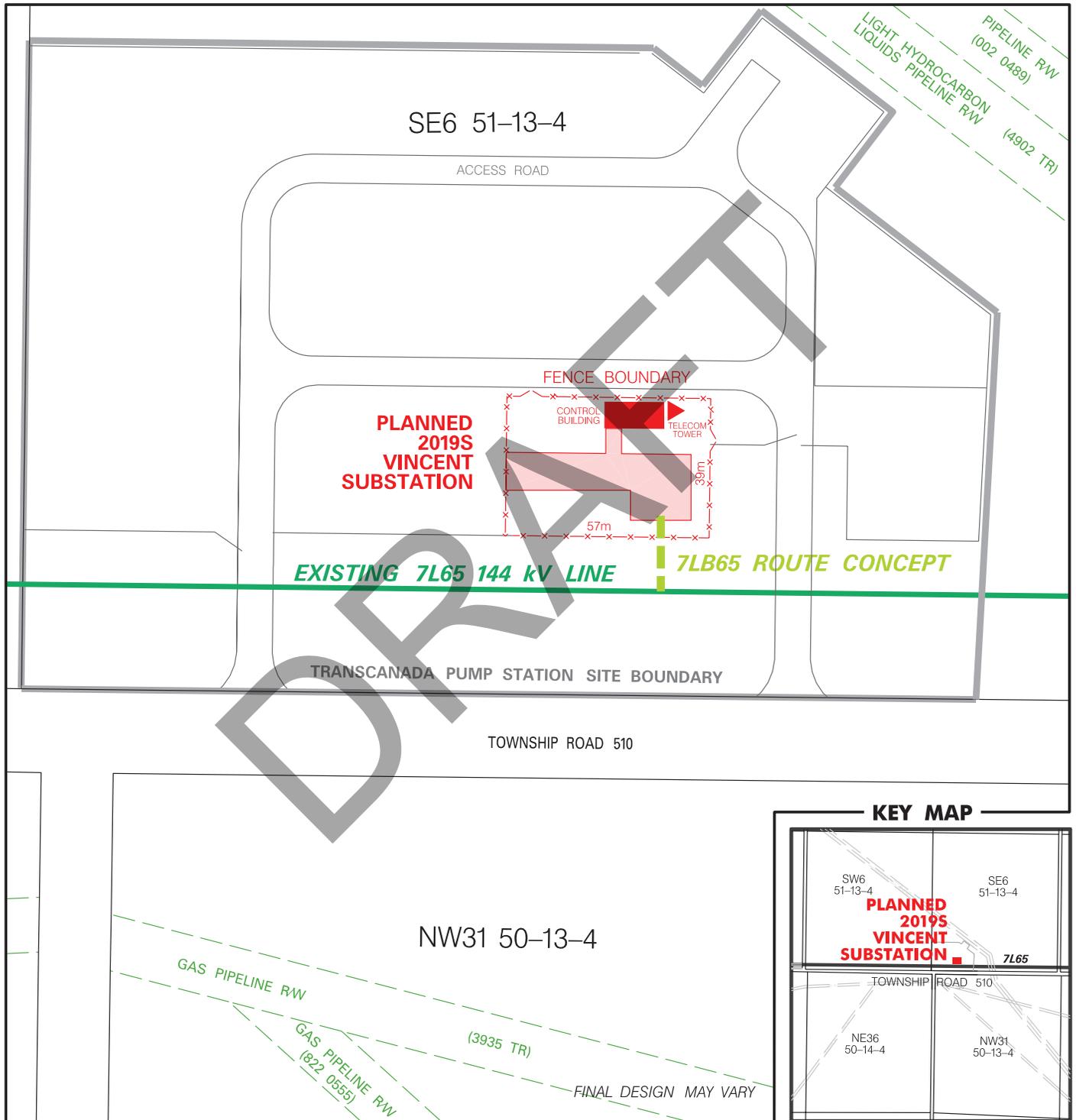
If approved, construction of the new facilities begins.

PUBLIC CONSULTATION

is a continuous process that occurs throughout the life of the project.

*For more information about how you can participate in the AUC process, please refer to the enclosed brochure entitled: *Public Involvement in Needs or Facilities Applications*.

Site Layout



CONTACT INFORMATION

Your comments and concerns are important to us. Please contact us if you would like to learn more about this project or if you would like to share information with us.

**Call us toll free at:
1-855-420-5775 or contact the
project planner directly:**

Kathleen Little
Right-of-Way Planning
ATCO Electric
10035-105 Street
Edmonton, AB T5J 2V6

Phone: 780-508-4893
Email: consultation@atcoelectric.com
Website: atcoelectric.com
Fax: 780-420-5030



Proposed Timeline*

October 2014

Notification and consultation with landholders, agencies and other interested parties

February 2015

Submission of the facilities application to the Alberta Utilities Commission (AUC)

October 2015

If approval is granted by the AUC, construction will commence

July 2016

Alterations completed and operating

**Timing may be adjusted to reflect final plans.*

Project Need

When upgrades to Alberta's electrical system are needed, they are identified by 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 you may contact the AESO directly or you can make your concerns known to an ATCO Electric representative who will communicate them to the AESO on your behalf.

Scan with your smart phone for project contact information



ATCO Electric

atcoelectric.com

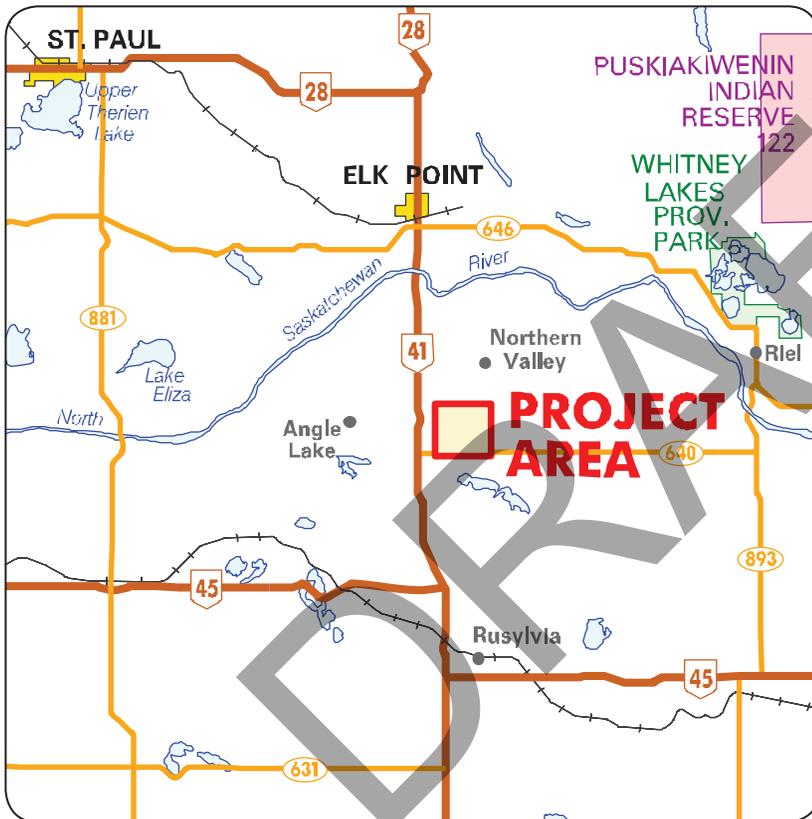
Attachment 3 - ATCO's Information Brochure – *Minor Alterations to the Irish Creek Substation (October 2014)*

SHAPE the conversation

October 2014



MINOR ALTERATIONS TO THE IRISH CREEK SUBSTATION



Project Need and Details

Minor alterations to the Irish Creek substation (called 706S) are needed to support an increased demand for electricity in the area.

If approved, the alterations will include the installation of one 25-megavolt ampere capacitor bank, one 144-kilovolt circuit breaker, and associated switches and equipment (please see the enclosed site layout).

To accommodate the new equipment, the existing fence will be expanded 10 metres (m) by 57 m on the west side of the substation, which is located on the northeast quarter of Section 17-55-6 W4M.

The Process

ATCO Electric will be contacting everyone in the vicinity of the Irish Creek substation. Once input has been received, ATCO Electric will file an application for the project with the Alberta Utilities Commission (AUC) seeking approval for the minor alterations.

For more information about how you can participate in the AUC process, please refer to the enclosed brochure entitled *Public Involvement in Needs or Facilities Applications*.

Why are you receiving this package?

We are advising neighbouring landholders, agencies and other interested parties about plans to install new equipment within the existing Irish Creek substation located approximately 16 kilometers south of Elk Point (please see the map above).

This package provides important project information and outlines ATCO Electric's public consultation process. We invite any comments, questions or concerns you may have. Please refer to the back page for our contact details.

CONTACT INFORMATION

Your comments and concerns are important to us. Please contact us if you would like to learn more about this project or if you would like to share information with us.

Call us toll free at:
1-855-420-5775 or contact the project planner directly:

Kathleen Little

Right-of-Way Planning
ATCO Electric
10035-105 Street
Edmonton, AB T5J 2V6

Phone: 780-508-4893

Email: consultation@atcoelectric.com

Website: atcoelectric.com

Fax: 780-420-5030

Alberta Electric System Operator (AESO)

Phone: 1-888-866-2959

Email: stakeholder.relations@aes0.ca

Alberta Utilities Commission (AUC)

Phone: 780-427-4903

(for toll-free, dial 310-0000 first)

Email: consumer-relations@auc.ab.ca

Scan with your smart phone for project contact information.



Proposed Timeline*

October 2014

Notification and consultation with landholders, agencies and other interested parties

February 2015

Submission of the facilities application to the Alberta Utilities Commission (AUC)

October 2016

If approval is granted by the AUC, construction will commence

July 2017

Alterations completed and operating

**Timing may be adjusted to reflect final plans.*

AESO

When upgrades to Alberta's electrical system are needed, they are identified by 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 you may contact the AESO directly or you can make your concerns known to an ATCO Electric representative who will communicate them to the AESO on your behalf.

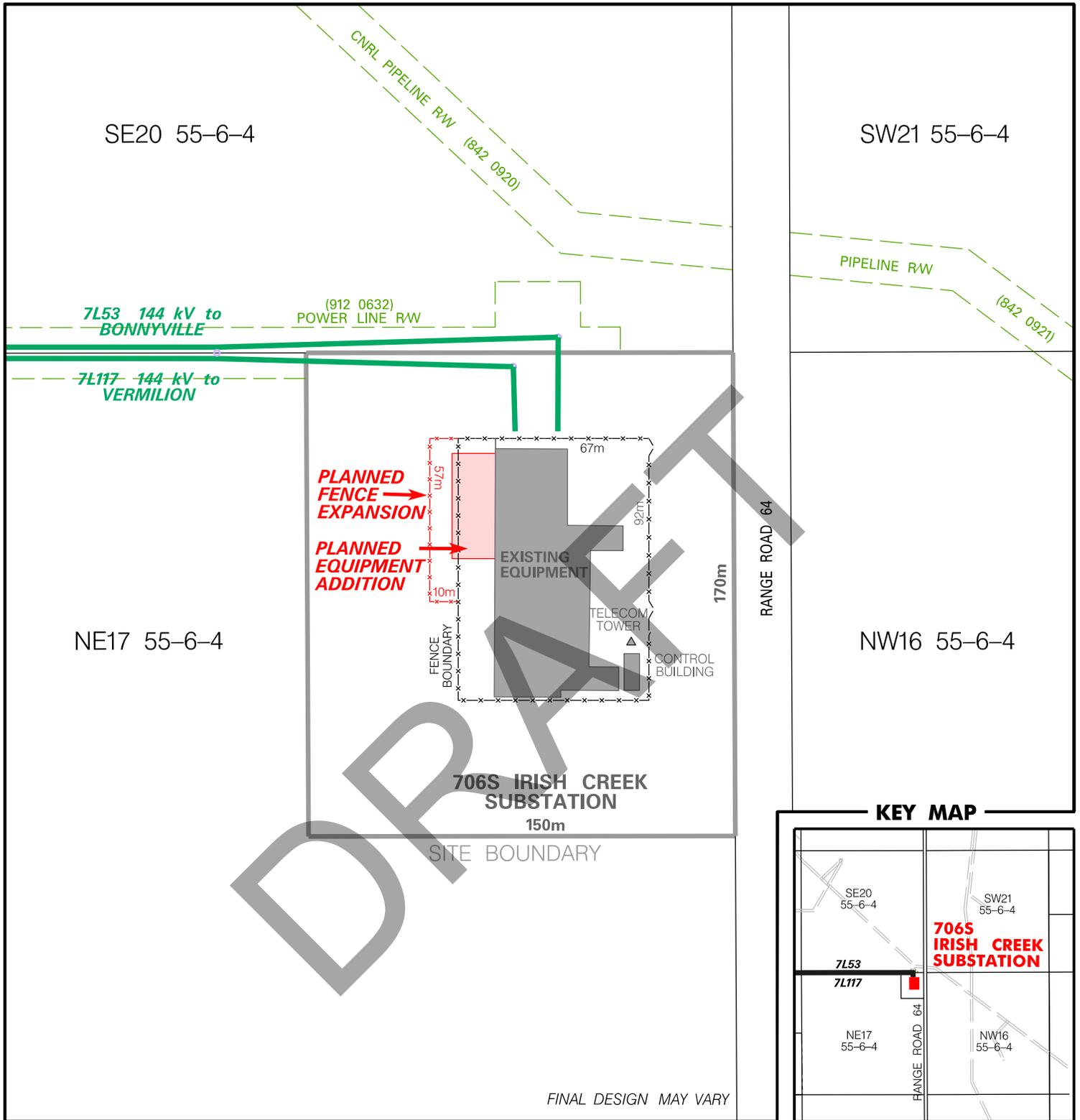
AUC

Alberta's electrical system is regulated by the Alberta Utilities Commission (AUC). The AUC is a quasi-judicial agency that ensures the services provided by ATCO Electric and other Alberta utilities take place in a fair and responsible manner and are in the public's interest. Before ATCO Electric can begin construction on a project, the AUC must approve the facilities application, which includes details such as location of transmission facilities and routes.

ATCO Electric

atcoelectric.com

PLANNED SITE LAYOUT



September 2014

DWG.NO. RS - 706S - N - 01



Irish Creek Substation

706S IRISH CREEK SUBSTATION
PLANNED SITE LAYOUT

Attachment 4 - ATCO's Information Brochure – *Vincent Substation Telecommunication Tower* (October 2014)

Telecommunication Tower

October 2014

1

VINCENT SUBSTATION TELECOMMUNICATION TOWER

The new Vincent substation (2019S) will require a telecommunication tower to support and enhance the radio and communication network. If approved, ATCO Electric's Vincent substation project will include the construction of a new telecommunication tower and associated control building.

TOWER DETAILS

If approved, the project will include the construction of a new 26 metre (m) tower, control building and installation of related electrical and telecommunications equipment. The tower will support one microwave dish for use by ATCO Electric and two VHF/UHF antennas. The new facilities will be located at the planned new Vincent substation site on the southeast quarter of Section 06-51-13 W4M. The site layout included in this information package shows the planned location of the tower and building.

DESIGN REQUIREMENTS

The new tower will meet Transport Canada's aeronautical safety requirements and will be operated in compliance with Health Canada's *Safety Code 6* for the protection of the general public and local radio environment. Design and construction will meet applicable standards and will follow good engineering practices, including structural integrity.

IMPACTS

No significant adverse environmental effects are expected. Neighbouring landholders may notice some increased traffic and noise during construction. An environmental assessment under the *Canadian Environmental Assessment Act* is not required for this project.

If you have any questions or concerns regarding the Vincent substation telecommunication tower, please contact us by **October XX, 2014**.

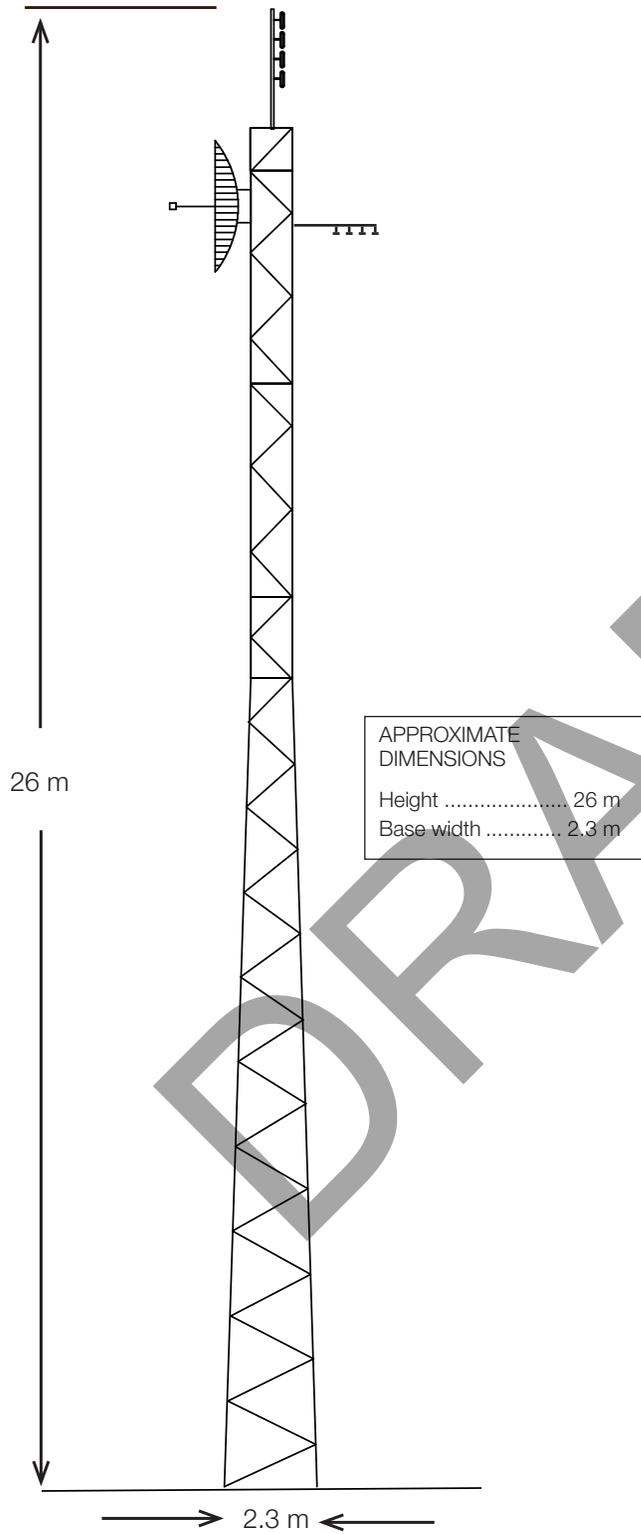
ATCO Electric
Right-of-Way Planning
10035-105 Street
Edmonton, AB T5J 2V6

Toll free: 1-855-420-5775
Direct: 780-508-4893
Email: consultation@atcoelectric.com

General information relating to antenna systems is provided on **Industry Canada's** Spectrum Management and Telecommunication website at www.strategis.ic.gc.ca/antenna.

For questions regarding land use in the project area, please contact **County of Minburn No. 27** at 780-632-2082.

What It Will Look Like



**Typical Self-Supporting
Lattice Tower**

Regulatory Process

ATCO Electric is seeking approval from the Alberta Utilities Commission (AUC), Industry Canada and other agencies as required for the construction and operation of the planned telecommunication tower.

For more information about how you can participate in the approval process required by the AUC, please refer to the enclosed brochure entitled *Public Involvement in Needs or Facilities Application*.

A separate approval process is required by Industry Canada. To participate in this process, please call Industry Canada toll free at 1-800-328-6189 or directly at 613-954-5031. You can also contact them by email at spectrum.edmonton@ic.gc.ca.

**Attachment 5 - ATCO's Information Brochure – *Vegreville
Substation Telecommunication Tower* (October 2014)**

Telecommunication Tower

October 2014

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VEGREVILLE SUBSTATION TELECOMMUNICATION TOWER

The existing Vegreville substation (709S) will require a new telecommunication tower to support and enhance the radio and communication network. If approved, the project will include the construction of a new telecommunication tower and associated control building within the existing Vegreville substation site (please see the enclosed site layout).

TOWER DETAILS

If approved, the project will include the construction of a new 16 metre (m) wood pole tower, control building and installation of related electrical and telecommunications equipment. The tower will support one microwave dish for use by ATCO Electric and two VHF/UHF antenna. The new facilities will be located at the existing Vegreville substation site on the southwest quarter of Section 07-52-14 W4M. The enclosed site layout shows the planned location of the tower and building.

DESIGN REQUIREMENTS

The new tower will meet Transport Canada's aeronautical safety requirements and will be operated in compliance with Health Canada's *Safety Code 6* for the protection of the general public and local radio environment. Design and construction will meet applicable standards and will follow good engineering practices, including structural integrity.

IMPACTS

No significant adverse environmental effects are expected. Neighbouring landholders may notice some increased traffic and noise during construction. An environmental assessment under the *Canadian Environmental Assessment Act* is not required for this project.

If you have any questions or concerns regarding the Vermilion substation telecommunication tower, please contact us by **October XX, 2014**.

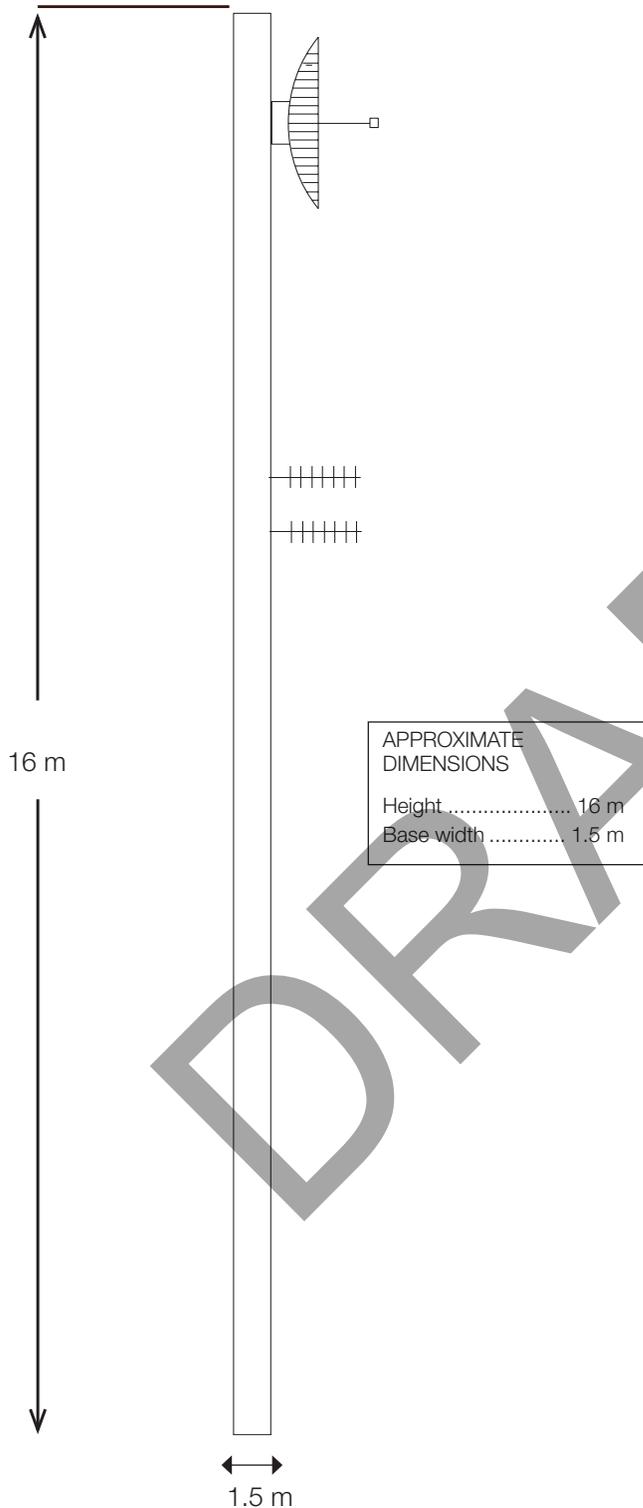
ATCO Electric
Right-of-Way Planning
10035-105 Street
Edmonton, AB T5J 2V6

Toll free: 1-855-420-5775
Direct: 780-508-4893
Email: consultation@atcoelectric.com

General information relating to antenna systems is provided on **Industry Canada's** Spectrum Management and Telecommunication website at www.strategis.ic.gc.ca/antenna.

For questions regarding land use in the project area, please contact **County of Minburn No. 27** at 780-632-2082.

What It Will Look Like



**Typical Self-Supporting
Wood Pole Tower**

Regulatory Process

ATCO Electric is seeking approval from the Alberta Utilities Commission (AUC), Industry Canada and other agencies as required for the construction and operation of the planned telecommunication tower.

For more information about how you can participate in the approval process required by the AUC, please refer to the enclosed brochure entitled *Public Involvement in Needs or Facilities Application*.

A separate approval process is required by Industry Canada. To participate in this process, please call Industry Canada toll free at 1-800-328-6189 or directly at 613-954-5031. You can also contact them by email at spectrum.edmonton@ic.gc.ca.

Proposed Timeline*

October 2014

Notification and consultation with landholders, agencies and other interested parties

February 2015

Submission of the facilities application to the Alberta Utilities Commission (AUC) and Industry Canada

October 2015

If approval is granted, construction will commence

July 2016

Facilities completed and operating

**Timing may be adjusted to reflect final plans.*

Attachment 6 – AESO Need Overview: Update for Stakeholders (August 2015)

Need for the Vincent 2019S Substation in the Vegreville area

Update for Stakeholders



ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for additional transmission capacity to connect a new industrial facility to the electric system. ATCO's request can be met by constructing a new substation, Vincent 2019S, including a 144/6.9 kV transformer and a 144 kV breaker, and connecting it to an existing transmission line 7L65. In addition, the Irish Creek 706S substation will need to be modified. This includes the addition of a 25 MVar capacitor bank and a 144 kV breaker.

The AESO is processing ATCO's request, including providing information to landowners, occupants, residents and agencies that may be near the proposed transmission development. The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of this need in late 2015. The AESO's needs identification document (NID) application will be available on the AESO's website at www.aeso.ca/nid at the time of its application to the AUC.

Who is the AESO?

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

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

How is ATCO involved?

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

Further Information

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

Susan Haider
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 privacy. Your feedback, comments and/or contact information collected by the AESO will be used to respond to your inquiries and/or to provide you with further information about the project. The AESO will not use your personal information for any other purpose and will not disclose your information without consent or a legal obligation. If you choose to communicate by email, please note, email is not a secure form of communication. Security of your communication while in transit cannot be guaranteed.

**Attachment 7 – AESO Stakeholder Newsletter Need Overview:
Update for Stakeholders Notice (August 2015)**

Vincent 2019S Substation – Need for Transmission System Development in the Vegreville area: Update for Stakeholders

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) for additional transmission capacity to connect a new industrial facility to the electric system. ATCO's request can be met by constructing a new substation, Vincent 2019S, including a 144/6.9 kV transformer and a 144 kV breaker, and connecting it to 7L65 (an existing transmission line). In addition, the Irish Creek 706S substation will need to be modified. This includes the addition of a 25 MVar capacitor bank and a 144 kV breaker.

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 Transmission > Needs Identification Documents > Vincent 2019S Substation.

Attachment 8 – ATCO’s Information Brochure: *Project Update – Vincent Substation Project* (October 2015)



October 16, 2015

<Landholder Name
And Address>

Project Update – Vincent Substation Project

Dear Landholder,

We are writing to update you on changes that we have made to the plans for the Vincent Substation Project. This letter provides important project information, an updated project timeline and outlines our public consultation process.

Project Details

The Vincent Substation Project is necessary to connect a new industrial facility to the electrical system.

The project will include the construction of a new substation and approximately 100 metres (m) of new transmission line. The new line will connect the planned substation (to be called Vincent 2019S) to an existing transmission line (called 7L65).

The new substation will include the following equipment:

- One 144/6.9-kilovolt (kV) transformer
- One 144-kV circuit breaker
- One 26 m telecommunication tower (plus approximately 3.6 m for foundation and lightning spire)
- A control building and associated switches and equipment.

If approved, the Vincent Substation Project will be located on the southeast quarter of Section of 6-51-13 W4M approximately 25 kilometres southeast of Vegreville in the County of Minburn No.27.

Project Update

In October 2014, we distributed project information and invited input from landowners, occupants and agencies near the planned facilities. As a result of engineering refinements and direction from the customer, the following updates have been made:

- Transmission line 7LB65 will enter the Vincent substation from the east
- The location of the control building and telecommunications tower was shifted to the northwest portion of the substation site

Refer to enclosed Proposed Route Mosaic Map for equipment and transmission line locations.

Project Timeline

October - December 2015	Notification and consultation with landowners, occupants, agencies and other interested parties.
December 2015	Submission of the facilities application to the Alberta Utilities Commission (AUC).
February 2017	If approval is granted by the AUC, construction begins.
November 2017	Facilities completed and operating.

Project timing may be adjusted to reflect final plans.

Approval Process

Alberta's electrical system is regulated by the AUC, an independent agency of the province that ensures the fair and responsible delivery of utility services. Before ATCO Electric can begin construction on a project, the AUC must approve the facilities application, which includes details such as location of transmission facilities and routes. For more information, please refer to the enclosed AUC brochure, *Public Involvement in a Proposed Utility Development*.

Next steps

The consultation process for this project is ongoing and we have yet to finalize the route and site plans that will be submitted in the facilities application. In the weeks ahead we will be contacting you for a follow-up consultation. However, if you have any questions, concerns or suggestions about this project, please feel free to contact us (toll free) at 1-855-420-5775 or by email at consultation@atcoelectric.com. You can also contact me directly at 780-733-2734.

Sincerely,

<original signed by>

Nicole Hupka
Right-of-Way Planning
ATCO Electric

Enclosed:

- Vincent Substation Planned Site Layout
- Brochure entitled *Public Involvement in a Proposed Utility Development*
- AESO Need Overview Letter

**Attachment 9 – ATCO’s Information Brochure: *Project Update:*
*Vegreville Substation Telecommunication Tower (October 2015)***



October 22, 2015

Stakeholder

Address

Town, Alberta Postal Code

Project Update: Vegreville Substation Telecommunication Tower

Dear Stakeholder,

We are writing to update you on changes that we have made to the plans for the Vegreville Substation Telecommunication Tower. This letter provides important project information, a project timeline and outlines our public consultation process.

Project Details

The existing Vegreville substation (called 709S) will require a new telecommunication tower to support and enhance the radio and communication network. If approved, the project will include the construction of a new telecommunication tower, control building and installation of related electrical and telecommunications equipment. The tower will support one microwave dish for use by ATCO Electric and two VHF/UHF antennas. The new facilities will be located at the existing Vegreville substation site on the southwest quarter of Section 07-52-14 W4M.

Project Update

In October 2014 we distributed project information and invited input from landowners, occupants and agencies near the planned facilities. As a result of engineering refinements, the following updates have been made:

- Rather than a 16 metre (m) wood pole, ATCO Electric will construct a 23 m self-supporting steel telecommunication tower, with an additional 3.6 m lightning spire. The total height will be 26.6 m.

The proposed telecommunication tower would be used to relay data between Vegreville substation, other nearby substations, and ATCO Electric's System Control Centre in a direct communication path. ATCO Electric evaluated the possibility of placing the needed antennas for the Vegreville substation on one of the existing towers in the area. This is not a desirable solution as a connection between that tower and the substation would still be required. A new tower located within the substation footprint is the most efficient solution.

The proposed tower will meet Transport Canada's aeronautical safety requirement and will be operated in compliance with Health Canada's Safety Code 6 for the protection of the general public and local radio environment. Design construction will meet applicable standards and will follow good engineering practices.



Refer to the enclosed Proposed Site Layout and Technical Description for more information.

Proposed Timeline

October 2015	Notification and consultation with landowners, occupants, agencies and other interested parties.
December 2015	Submission of the facilities application to the Alberta Utilities Commission (AUC) and Industry Canada.
January 2016	If approved by the AUC, construction will commence.
August 2016	Facilities completed and operating.

Timing may be adjusted to reflect final plans.

Approval Process

Alberta's electrical system is regulated by the AUC, an independent agency of the province that ensures the fair and responsible delivery of utility services. Before ATCO Electric can begin construction on a project, the AUC must approve the facilities application, which includes details such as location of transmission facilities and routes. For more information, please refer to the enclosed AUC brochure, *Public Involvement in a Proposed Utility Development*.

An additional approval process is required by Industry Canada. To participate in this process, please contact Industry Canada. General information relating to antenna systems is provided on Industry Canada's Spectrum Management and Telecommunication website at:
www.ic.gc.ca/eic/site/ic-gc.nsf/eng/07422.html

Next steps

The consultation process for this project is ongoing. In the weeks ahead we will be contacting you for a follow-up consultation. The County of Minburn does not have a consultation process for tower development, so this project will follow Industry Canada's default public consultation process. The closing date for submission of public comment is November 20, 2015. If you have any questions, concerns or suggestions about this project, please feel free to contact us (toll free) at 1-855-420-5775 or by email at consultation@atcoelectric.com. You can also contact me directly at 780-733-2734.

For General information relating to antenna systems and public consultation, please contact Industry Canada:

Industry Canada Spectrum Management

Canada Place Building
9700 Jasper Avenue NW, Suite 725
Edmonton, Alberta T5J 4C3

Email: spectrum.edmonton@ic.gc.ca
Phone: Toll-free 1-800-461-2646
Fax: 780-495-6501



For questions regarding land use for the planned tower replacement, please contact the County of Minburn:

County of Minburn

Attn: Planning and Development Officer
Email: dgegolick@minburncounty.ab.ca
Phone: 780-632-2082
Fax: 780-632-6296

Regards,

Nicole Hupka

Right-of-Way Planning
ATCO Electric

Enclosed:

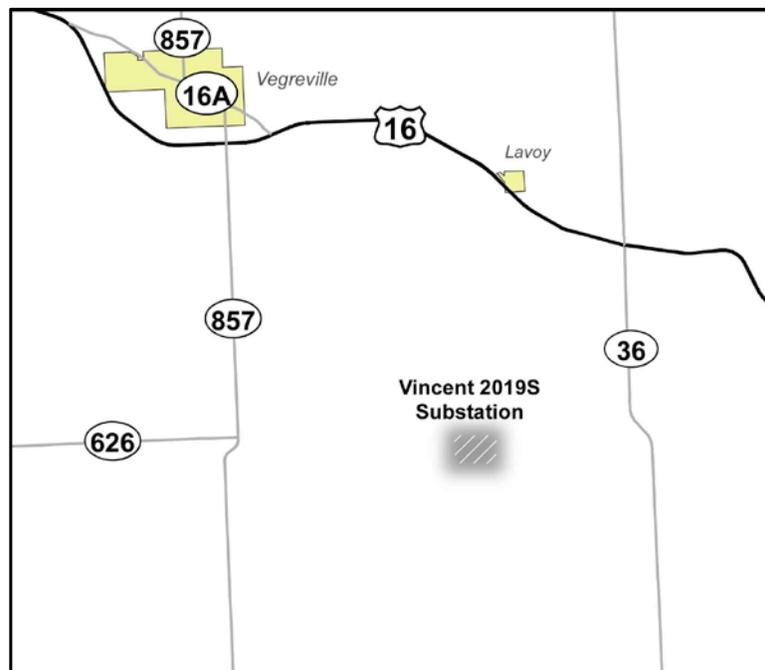
- Planned Site Plan
- Technical Description – Communication Tower Typical Structure
- Brochure entitled *Public Involvement in a Proposed Utility Development*
- AESO Need Overview Letter

**Attachment 10 – AESO Public Notification of Regulatory Filing
(AESO Website Posting) (November 2015)**

AESO Public Notification of NID Filing Addressing the Need for the Vincent 2019S Substation in the Vegreville area

The Alberta Electric System Operator (AESO) advises you that it intends to file a Needs Identification Document (NID) for the connection of a new industrial facility with the Alberta Utilities Commission (AUC) on or after December 9, 2015.

ATCO Electric Ltd. (ATCO) has applied to the AESO for additional transmission capacity to connect a new industrial facility to the electric system. ATCO's request can be met by constructing a new substation, Vincent 2019S, including a 144/6.9 kV transformer and a 144 kV breaker, and connecting it to an existing transmission line 7L65. In addition, the Irish Creek 706S substation will need to be modified. This includes the addition of a 25 MVAR capacitor bank and a 144 kV breaker.



The shaded area on the map indicates the approximate location of the proposed Vincent 2019S substation, which is at 31-50-13W-4. In a separate application called a Facility Application, ATCO, the transmission facilities owner (TFO) in the Vegreville area, will describe the specific upgrades to be performed and request AUC approval to construct and operate the specific transmission facilities.

The AESO and ATCO presented this need to stakeholders, including residents, occupants and landowners, from October 2014 to November 2015. The AESO has considered feedback gathered from stakeholders, and technical and cost considerations, and will apply to the AUC for approval of the need for this transmission development. Once filed, the NID will be posted on the AESO website at <http://www.aeso.ca/transmission/31320.html>

Please visit our website, www.aeso.ca for more information, or contact the AESO at 1-888-866-2959 or stakeholder.relations@aesoc.ca

**Attachment 11 – AESO Stakeholder Newsletter Posting
(November 2015)**

Vincent 2019S Substation in the Vegreville area – Notice of NID Filing

ATCO Electric Ltd. has applied to the AESO for additional transmission capacity to connect a new industrial facility to the electric system. ATCO's request can be met by constructing a new substation, Vincent 2019S, including a 144/6.9 kV transformer and a 144 kV breaker, and connecting it to an existing transmission line 7L65. In addition, the Irish Creek 706S substation will need to be modified. This includes the addition of a 25 MVAR capacitor bank and a 144 kV breaker.

The AESO will be filing a Vincent 2019S Substation Connection Needs Identification Document (NID) application with the Alberta Utilities Commission (AUC) on or after December 9, 2015, requesting that the AUC approve this NID.

The AESO has posted the public notification for its NID filing on its website for the Vincent 2019S Substation Connection. Please [click here](#) to view the document or visit the AESO website at www.aeso.ca and follow the path Transmission > Needs Identification Documents > Vincent 2019S Substation to see all the relevant documents, including the NID once it is filed with the Commission.