ATCO Electric

SHAPE the CONVERSATION May 2016



THE JASPER INTERCONNECTION PROJECT

You are receiving this newsletter because new transmission facilities are being planned in your area, and we are seeking your input on how the project may affect you. This package provides important project information and outlines our public consultation process.

Project Details

Jasper National Park's electrical distribution network is an isolated system owned and operated by ATCO Electric, a regulated utility company. Electricity for the Park and town site is produced at the 967 Palisades Power Plant, a natural gas generating station with diesel backup generators, and the 782 Astoria Generating Station. The Palisades Power Plant is the primary energy source while the Astoria Generating Station contributes a lesser amount of energy to the Park's electrical network.

The Palisades Power Plant is nearing its end of life. By 2017, much of the Plant will need to be replaced or completely refurbished. This presents an opportunity to evaluate the costs and the benefits of maintaining the Park as an isolated distribution network versus connecting it to the Alberta Interconnected Electric System (AIES). As an isolated system, localized disturbances, such as equipment failure, can have a much greater impact than if the Park was connected to the AIES.

ATCO Electric conducted a feasibility study to determine the best solution to continue providing safe and reliable electricity to the Park and residents. The study indicated that the preferred solution is to construct a transmission line into the Park connecting it to the AIES. ATCO Electric would then decommission the Palisades Power Plant.

The Jasper Interconnection Project consists of approximately 45 kilometres (km) of 69-kilovolt (kV) transmission line (called 6L530) within the Park, connected to another planned new 69-kV transmission line located outside of the Park. It also includes a planned new substation (called Sheridan 2085S) to be located within the existing Palisades Power Plant site (approximately 8 km north of the town of Jasper). The new transmission lines will connect the town of Jasper to the AIES.

Upon decommissioning the Palisades Power Plant, we will remove the equipment and perform reclamation at the site. Reclamation will involve the clean-up of materials and debris and the remediation of the Power Plant site to a state acceptable to Parks Canada.

Included in this package:

- Project Fact Sheet The Technical Details
- Route Concept Mosaic Maps
- Site Plan
- AESO Need Overview
- AUC brochure: Public Involvement in a Proposed Utility Development
- Reply form and postage paid envelope



Parks Canada – Detailed Impact Analysis

ATCO Electric is preparing a type of environmental analysis known as a Detailed Impact Analysis (DIA) in support of the necessary permits and authorizations for the Jasper Interconnection Project. The DIA will comply with the Parks Canada *Directive on Impact Assessment,* 2015. Consistent with this Directive, a DIA should be completed for any proposed project that could potentially have significant adverse effects, and/or public concern with respect to ecological integrity, the integrity of cultural resources or characteristics of the environment that are important to key visitor experience objectives.

The DIA enables Parks Canada and ATCO Electric to avoid and mitigate environmental impacts where possible.

The DIA is anticipated to be available for public review and comment in September 2016.

In developing a route option, ATCO Electric must consider a range of route constraints and barriers – including proximity to residences (see How Routes are Determined on next page). We undertake extensive studies to understand the potential impacts on wildlife, wetlands and other sensitive areas.

The Process

Additionally, consultation with landholders and interested parties routinely leads to improvements on our projects. Your feedback and input will help determine and avoid any potential negative impacts not previously identified. We would like to meet with you to gather information about the area and answer any questions you may have. These conversations will help us to determine the best route options for the proposed transmission line development.

If you are within the vicinity of the enclosed route concept, ATCO Electric will contact you to schedule a personal consultation. Anyone who is interested in speaking with ATCO Electric on this proposed project can contact us to arrange a consultation at their convenience.

Please see our contact information

on the back of this newsletter.

In addition to the in-person and telephone consultations ATCO Electric will undertake, we invite you to provide feedback and share other information using the enclosed reply form and postage paid envelope.

If you have any questions, concerns or other information regarding this project, we want to hear from you.

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, route option(s) are selected.

We submit applications to the AUC and Parks Canada to build the proposed facilities. he AUC and Parks Canada review the pplications 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.



The Right-of-Way

How Routes Are Determined

Prior to consultation with landholders, ATCO Electric develops route concepts (see enclosed map). In selecting route concepts, ATCO Electric considers numerous constraints and barriers, including:

- Proximity to residences
- Environmentally sensitive areas
- Wetlands
- Existing infrastructure (i.e. other transmission lines, roads, highways, pipelines, telecommunication towers)
- Planned developments
- Archaeological resources
- Visual factors
- Construction & land acquisition costs
- Indigenous cultural sites
- Other valued components identified by Parks Canada

ATCO Electric's route concept will follow existing linear developments such as roads, distribution lines and pipeline corridors to the greatest extent possible. Following existing linear disturbances offers better access and straighter routes, which can reduce the amount of new clearing and ground disturbance required. This approach also provides opportunities to combine linear disturbances and share existing access roads.

The enclosed maps show the route concept. Refinements to the route may be developed in response to feedback, stakeholder consultations and ongoing studies of the project study area.

The term right-of-way refers to the area a transmission line uses – including areas on either side of the line. Rights-of-way must have a minimum width to ensure safety and ongoing access for maintenance.

For safety reasons, some general restrictions on the use of the land in the direct vicinity of the transmission line may apply. These include setbacks for development. Details including width and position of the right-ofway will depend on the type and size of the required structure, existing land use, surrounding features and other factors.

The typical width of the right-of-way for this project is 10 metres (m).



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:

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

Email: consultation@**atcoe**lectric.com Website: www.**atco**electric.com Phone: 780-420-3281 Fax: 780-420-5030

For media inquiries call: 780-691-1866

Alberta Electric System Operator (AESO) Phone: 1-888-866-2959 Email: stakeholder.relations@aeso.ca

Alberta Utilities Commission (AUC) Phone: 780-427-4903 (for toll-free, dial 310-0000 first) Email: consumer-relations@auc.ab.ca

Parks Canada

Integrated Land Use Planning and Policy Jasper National Park of Canada P.O. Box 10 Jasper, AB T0E 1E0

Phone: 780-852-6142 Email: jnplistens@pc.gc.ca



ATCO Electric – A Regulated Utility

Alberta's electrical system is regulated by the Alberta Utilities Commission (AUC). The AUC is an agency of the Province 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 entitled *Public involvement in a proposed utility development*.

The Alberta Electric System Operator

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 letter, 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.



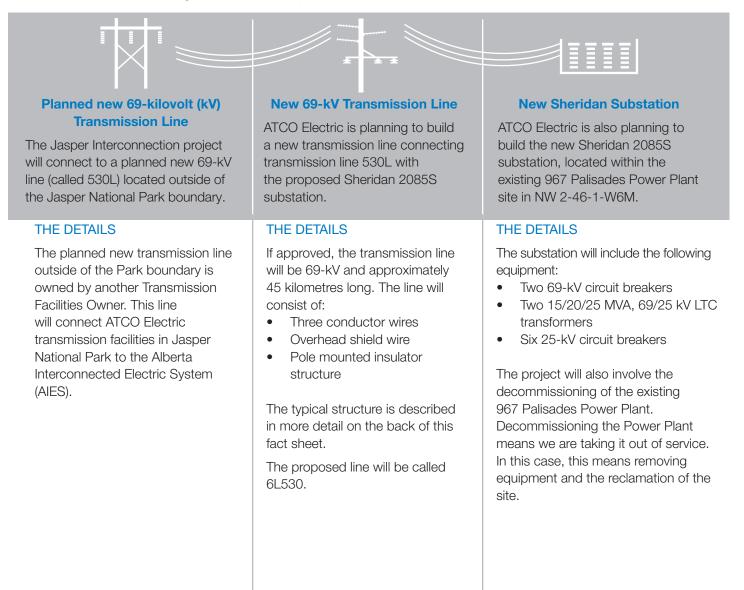


The Technical Details

May 2016

THE JASPER INTERCONNECTION PROJECT

The technical details of facilities associated with the Jasper Interconnection Project are described in this fact sheet. Designs may vary as plans are finalized.



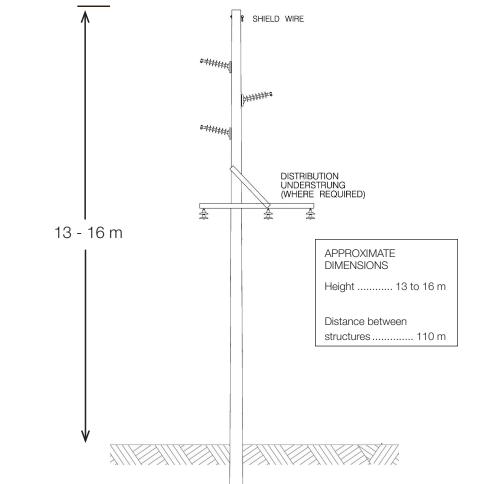
What It Will Look Like

If approved by the Alberta Utilities Commission, the 69-kV transmission line will be built with single-circuit pole mounted insulator structures similar to the one shown here.

Structures will be single-circuit. This means they will have one set of three wires strung across them. An overhead shield wire will be strung from the tops of the structures to protect the line from lightning. The distance between structures will be approximately 110 metres (m).

Non-typical structures with wider bases and/or guy wires and anchors may be required where the line ends or bends, at corners and to go over and around obstacles. In all cases minimum clearance will meet or exceed the requirements of provincial safety regulations.

Note: Details may change as the project develops and designs are finalized.



Typical Right-of-way for this project 10 m

Rights-of-way are cleared of trees, bush and debris to allow access for construction and ongoing maintenance

Circuit: A circuit is a group of wires electricity flows through. ATCO Electric's transmission lines can be single or double circuit. A single circuit line has three wires and a double circuit line has six. A transmission line may also have one or two shield wires on the top of the structures to protect the line from lightning.

Circuit breaker: An automatic switch that is designed to protect an electrical circuit from overloading by shutting off the flow of electricity.

Consultation: A meeting where advice, information and views are exchanged.

Kilovolt (kV): A kilovolt is equal to one thousand volts. This unit of measurement is most commonly used when describing transmission and distribution lines. Distribution and transmission lines in Alberta carry between 4-kV (4,000 volts) and 500-kV (500,000 volts).

Right-of-way: A right-of-way is the use of a strip of land acquired for the construction and operation of a transmission line. The term right-of-way is also used to refer to the physical space a transmission line encompasses including areas on either side of the line.

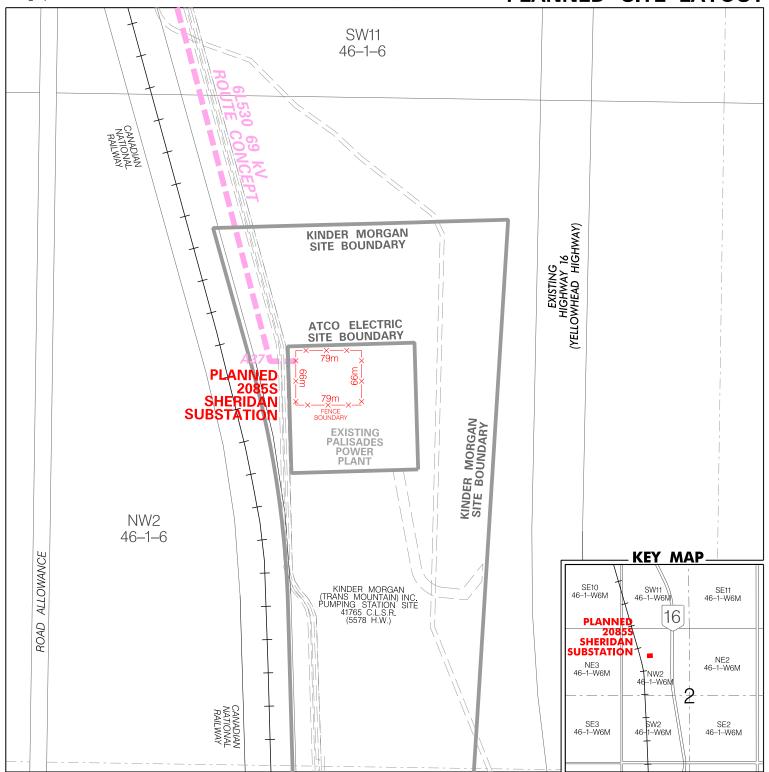
Substation: A set of equipment used to reduce high voltage power from transmission lines to lower voltages suitable for consumer use. **Termination**: A termination is the point where a power line ends and connects to a substation.

Transformer: A transformer is the device in a substation that steps voltage up or down. It 'transforms' the electricity from higher transmission voltages to the lower distribution voltages that power your home.





PLANNED SITE LAYOUT

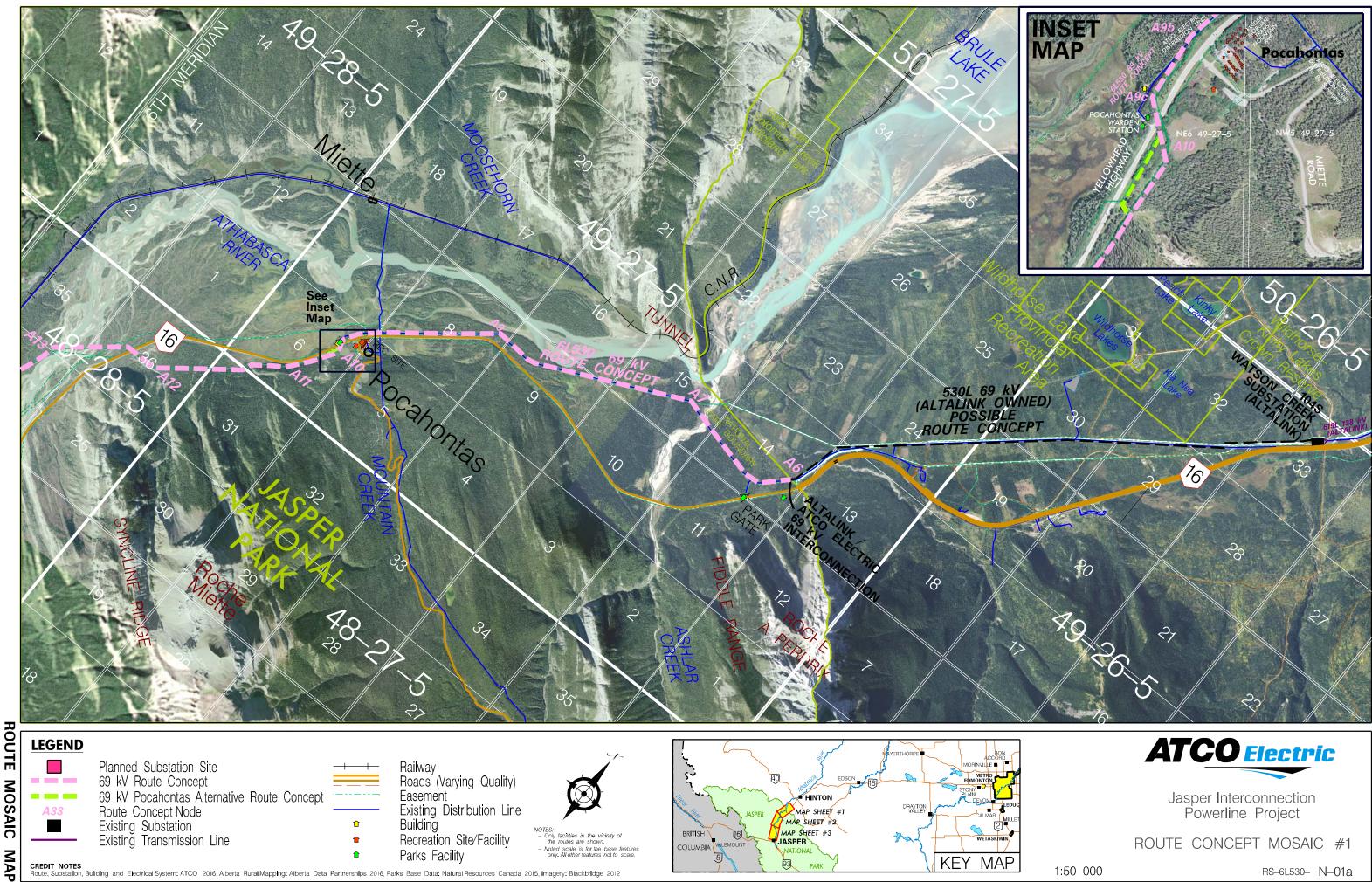




Jasper Interconnection Powerline Project

2085S SHERIDAN SUBSTATION PLANNED SITE LAYOUT

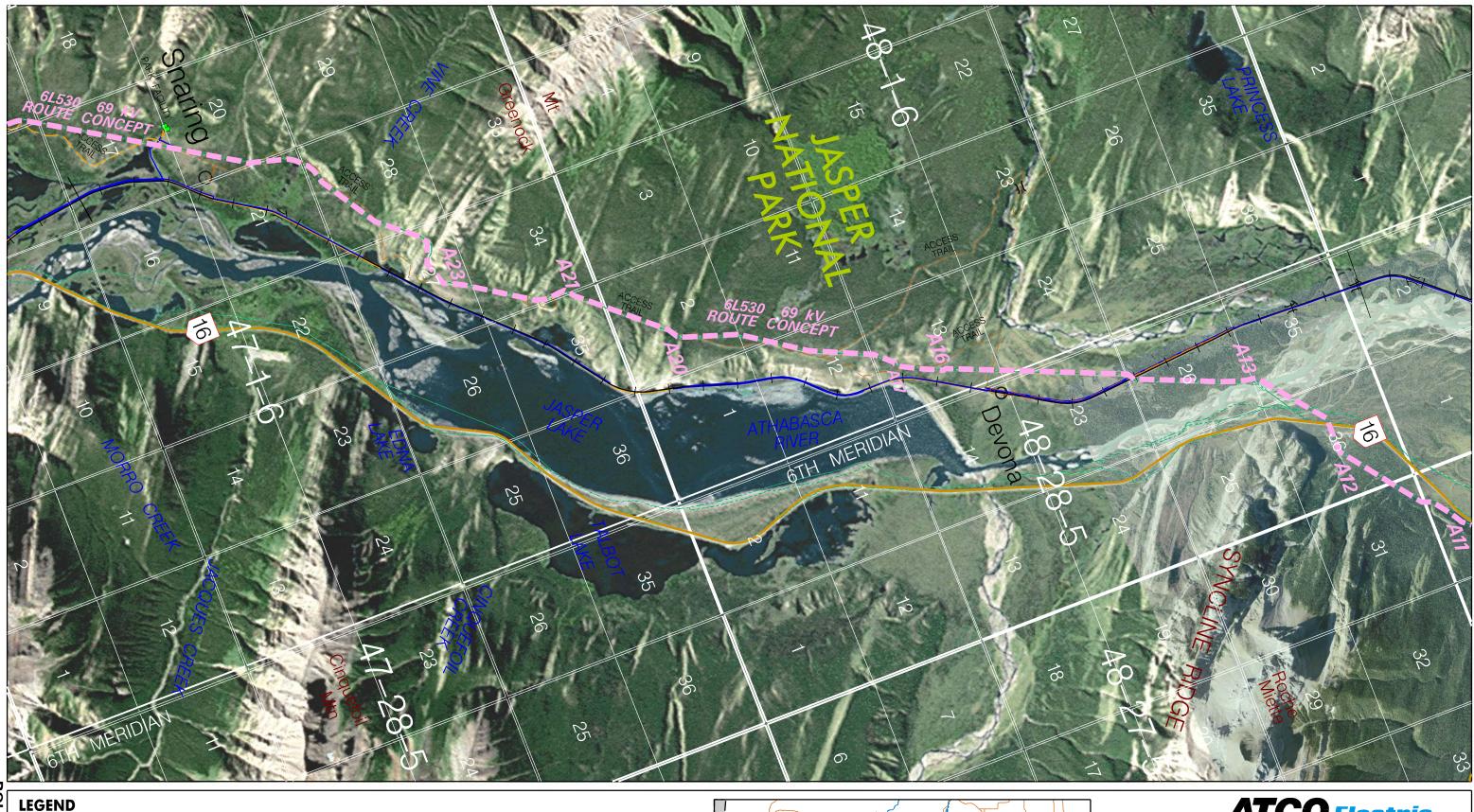
April 2016

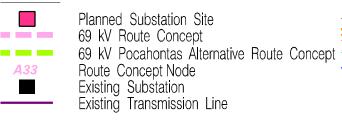


RS-6L530- N-01a

Approved By: AB

Cartography by GJI/CO







Recreation Site/Facility Parks Facility







CREDIT NOTES Route, Substation, Building and Electrical System: ATCO 2016, Alberta Rural Mapping: Alberta Data Partnerships 2016, Parks Base Data: Natural Resources Canada 2015, Imagery: Blackbridge 2012

2016-04-22





Jasper Interconnection Powerline Project

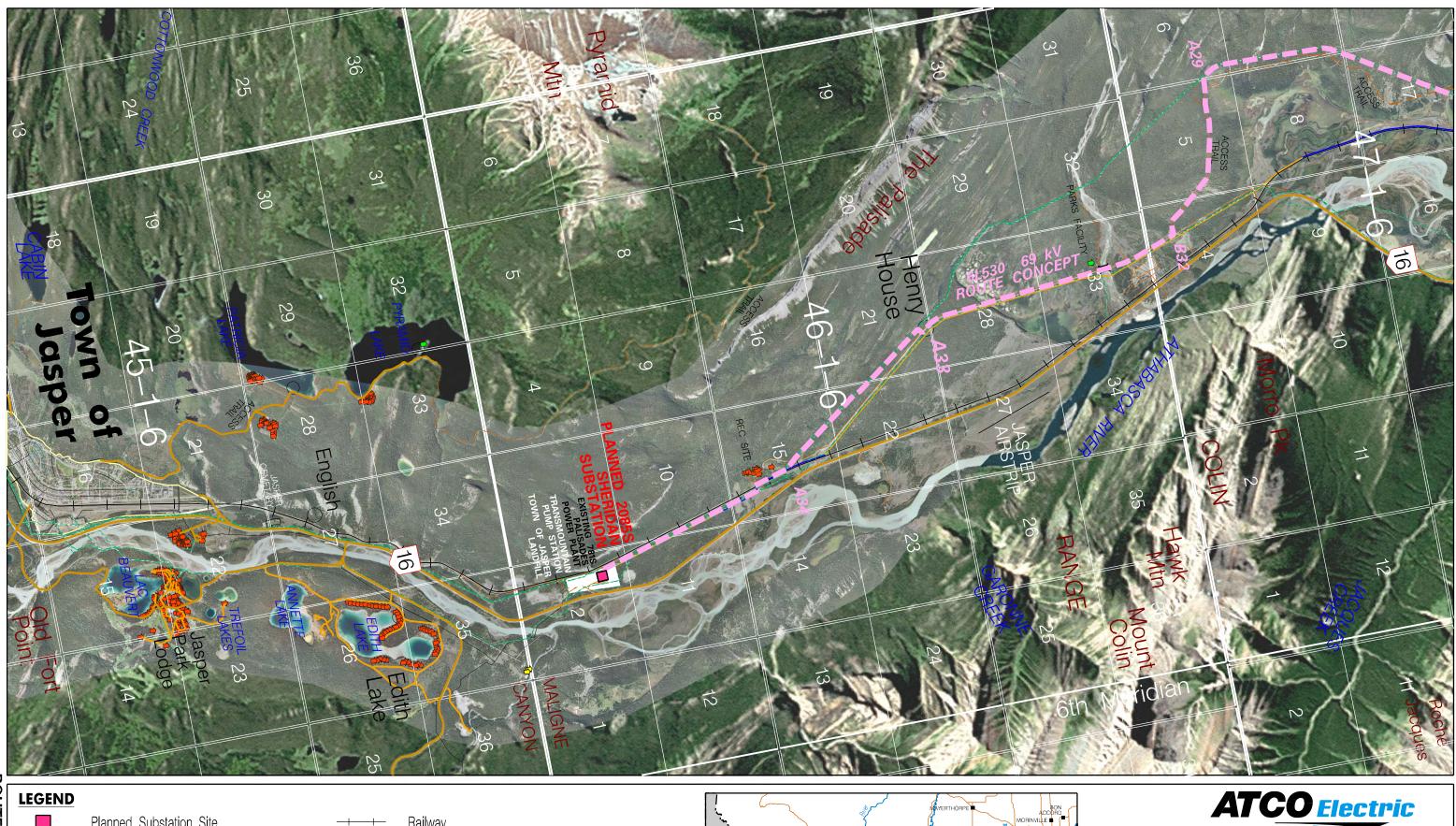
ROUTE CONCEPT MOSAIC #2

1:50 000

RS-6L530- N-01b

Approved By: AB

Cartography by GJI/CO



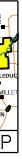
Planned Substation Site 69 kV Route Concept 69 kV Pocahontas Alternative Route Concept Route Concept Node Existing Substation A33 Existing Transmission Line

Railway Roads (Varying Quality) Easement Existing Distribution Line Building Recreation Site/Facility Parks Facility

*Only facilities in immediate proximity to the line were annotated.



CREDIT NOTES
Route, Substation, Building and Electrical System: ATCO 2016, Alberta Rural Mapping: Alberta Data Partnerships 2016, Parks Base Data: Natural Resources Canada 2015, Imagery: Blackbridge 2012



Jasper Interconnection Powerline Project

ROUTE CONCEPT MOSAIC #3

1:50 000

RS-6L530- N-01c

Approved By: AB

Cartography by GJI/CO



Need for the Sheridan 2085S substation and a new transmission line in the Jasper area

ATCO Electric Ltd. (ATCO) has applied to the Alberta Electric System Operator (AESO) requesting transmission system access to serve a new and existing demand for electricity in the Jasper area. ATCO's request can be met by the following solution:

PROPOSED SOLUTION

- Adding a new substation, to be called Sheridan 2085S, with a 69/25 kilovolt (kV) transformer, a 69 kV circuit breaker, and associated equipment
- Adding approximately 60 kilometres of 69 kV transmission line connecting the proposed Sheridan 2085S substation to the existing Watson Creek 104S substation
- Upgrading the existing Watson Creek 104S substation by adding a 138/69 kV transformer, a 138 kV circuit breaker, and associated equipment

NEXT STEPS

- The AESO intends to apply to the Alberta Utilities Commission (AUC) for approval of the need in late 2016.
- 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.

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

D THE AESO:

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

ATCO

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

S ALTALINK MANAGEMENT LTD.

- Is the transmission facility owner in the area adjacent to Jasper National Park, the area where the existing Watson Creek 104S substation is located
- Is responsible for detailed siting and routing, constructing, operating and maintaining the associated transmission facilities
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications

FAST FACT

Alberta's electric

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

S CONTACT US

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

Alberta Electric System Operator Jennifer Vollmer

AESO Stakeholder Relations

stakeholder.relations@aeso.ca 1-888-866-2959

2500, 330-5th Avenue SW Calgary, AB T2P 0L4 Phone: 403-539-2450 Fax: 403-539-2949

www.aeso.ca www.poweringalberta.ca @ @theaeso

WHO IS THE AESO?

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

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.

Step 6: The public hearing process*

The public hearing process provides an opportunity for those who have been unable to resolve their concerns with the applicant and have made a filing, to express their views directly to a panel of Commission members. The panel reviews the initial filings and grants what is referred to as standing to those who may be directly and adversely affected by the proposed project. Standing is necessary to continue involvement as an intervener in the proceeding which may include the filing of evidence and participation in an oral or written hearing.

The AUC will issue a notice of hearing setting out the hearing date, location and additional process steps and deadlines. An AUC public hearing operates similarly to a court proceeding and is a quasi-judicial process. The general public is welcome to attend as an observer and the hearings are often broadcast online so that those interested can listen-in.

Participants 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 under Rule 009, 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 for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

For electric transmission facilities, the need for transmission development filed by the Alberta Electric System Operator to the AUC must be considered to be correct unless someone satisfies the Commission that the needs application is technically deficient, or that to approve it would be contrary to the public interest. For electric needs applications, the Commission can either approve, deny, or send the application back with suggestions for change.

Commission decisions made about applications filed for a specific utility development, including electric transmission lines, gas utility pipelines and power plants, may be approved, approved with conditions or denied. Decisions are typically released within 90 days from the close of the record as a written report. The decision, available on the AUC website, will summarize the Commission's findings and state its reasons for the decision with any conditions or approval time limits if applicable.

Sometimes needs and facility applications are considered together in a single proceeding.

Step 8: Right to appeal

A participant in a hearing who is dissatisfied 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 Rule 016: *Review 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.

Step 9: Construction and operation

Any applicant that receives a permit to construct and licence to operate a facility from the Commission must adhere to any conditions that were set out in the 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.

*Denotes opportunity for public involvement

The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by utility development in Alberta have the opportunity to have their concerns heard, understood and considered. If you believe you may be directly and adversely affected, you can become involved in the AUC application and review process.

Contact information

Phone: 780-427-4903 Email: consumer-relations@auc.ab.ca

Dial 310-0000 prior to the 10-digit number and then press 1 for toll-free access anywhere in Alberta.

Information session

It is our goal to ensure that you understand the process, and your opportunities for involvement in proceedings to consider utility development applications. For those interested in having an AUC staff member further explain the application and review process or answer questions you may have about your involvement in utility development proceedings, please contact us as we may schedule a formal information session for you. The virtual information session on our website, found under Involving Albertans, will also provide you with further details which could assist you in understanding the process and having your say in a utility development proceeding.

This brochure provides general information only. Specific participation opportunities may differ depending on the type of application.



Public involvement in a proposed utility development

Understanding your rights and options for participating in a proceeding to consider applications for a proposed project in your area

INTERNA

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Application process

Step 1* Public consultation by the applicant.

Step 2 Application filed with the AUC.

Step 3 The AUC issues a notice of application or notice of hearing.

Step 4*

Interested parties submit filings to the AUC with any outstanding issues or objections.

If the AUC does not receive any submissions, the application will be reviewed and a decision may be made without a hearing.

Step 5*

The AUC issues a notice of hearing, if it was not already issued in Step 3.

• Continued opportunity for consultation and negotiation with the applicant.

Step 6* Public hearing

Step 7

The AUC issues its decision. Below are the options the AUC may consider for: Needs applications from the Alberta Electric System

Operator:

- Approval of application.
- Return to the Alberta Electric System Operator with suggestions.
- Denial of application.

Facilities applications:
Approval of application.
Approval of application with conditions.
Denial of application.

tep

Option to appeal decision or ask the AUC to review its decision.

Step 9 Approvals, construction and operation of facility, if approved.

Having your say

Early discussions with the applicant about proposed utility developments will often result in greater influence on what is filed in the application for approval. Utility developments include natural gas pipelines, electric transmission lines and substations (including Alberta Electric System Operator needs identification documents), and power plants. Should you have concerns related to a proposed utility development, it is best to have early and ongoing discussions with the applicant.

If your objections cannot be resolved, or you have outstanding concerns upon the filing of an application with the AUC, you have an opportunity to submit an initial filing with your objections in writing to the AUC containing the following information:

- How you may be affected by the proposed project and the location of your land or residence in relation to it or any alternative proposed in the application.
- The potential effect the proposed project may have on your property or interest in the property .
- A description of the extent to which you may be affected, and how you may be affected in a different way or to a greater degree than other members of the general public.

Following this initial filing, you may be able to fully participate in the proceeding. This could include having legal representation and participation in a public hearing. It is important to note that any applied for routes and segments (preferred and alternate) could be chosen as the approved route in the AUC decision.

Step 1: Public consultation prior to application* Prior to filing an application with the AUC for the approval of a proposed utility development, the applicant is required to conduct public consultation in the area of the proposed project, so that concerns may be raised, addressed and if possible, resolved.

The requirements for consultation and notification, namely the participant involvement requirements, are set out in Rule 007 for electric facilities and Rule 020 for gas utility pipelines.

Potentially affected parties are strongly encouraged to participate in the initial public consultation, as early involvement in discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

Step 2: Application to the AUC

When the participant involvement requirements have been completed, the proponent of the utility development files an application with the AUC. The application must indicate the issues which came up during the public consultation and any amendments considered or made to the project. Any unresolved objections or concerns which arose from the public consultation must be identified in the application.

*Denotes opportunity for public involvement

Step 3: Public notification

The Commission will issue a notice when it receives an application that, in the Commission's opinion, may directly and adversely affect the rights of one or more people. The notice is typically sent by mail to residents in the project area and may also be published in local newspapers. The notice will provide key dates, contacts and participation information for those interested in becoming involved in the application process.

Step 4: Public filings to the AUC*

If you have unresolved objections or concerns about the proposed project filed with the AUC for approval and wish to participate in an AUC proceeding, you must make an initial written filing. Your filing must include your contact information, concern or interest in the application, an explanation of your position and what you feel the AUC should decide. Please be aware that any information or materials filed with the AUC, except information granted confidentiality, is available to the public.

Filing your concerns

The eFiling System is a web-based tool created to manage applications and filings made to the AUC through a proceeding-based review. This system gives access to all public documents associated with applications filed with the AUC and is the most efficient way to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the Internet can send filings, evidence and other material by mail or fax and the AUC will upload the submission on your behalf.

Participant cost reimbursement

A person determined by the Commission to be a local intervener can apply for reimbursement of reasonable costs incurred while participating in an AUC proceeding. Details regarding recovery of participants' costs are described in Rule 009: *Rules on Local Intervener Costs*.

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 made filings to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, typically those matters will be addressed at an AUC public hearing.

SHAPE THE CONVERSATION



CONTACT INFORMATION

JASPER INTERCONNECTION PROJECT REPLY FORM

Date (DD/MM/YYYY):

First Name:	
Last Name:	Please help us identify new contacts
Company/Organization Name (if applicable):	You were contacted about this project because ATCO Electric identified you or your company/organization as having a land interest in the vicinity of the project. Is there anyone else associated with your
Mailing Address:	property, such as other owners, renters or occupants, who we should also contact? If so, please provide the name(s) and contact information below:
City/Town:	
Province:	
Postal Code:	
Home Phone:	
Cell Phone:	
Business Phone:	
Fax:	I would like to receive all future correspondence about this project by Email
Email:	(If this is your preference, please check the box)

AN IMPORTANT MESSAGE ABOUT PRIVACY: The information on this form is being collected to identify concerns with proposed changes to and/or the siting of power transmission facilities, and to comply with the Alberta Utilities Commission (AUC) rules regarding the submission of transmission facilities applications. This information may be provided to electric facility owners, Alberta's Surface Rights Board, and the Alberta Electric System Operator. Your comments and personal information may also be publicly accessible through the AUC website, should it be submitted to the AUC as part of a transmission facility application – subject to Alberta's Freedom of Information and Protection of Privacy Act. If you wish to keep your information confidential, you must make a request to the AUC (403-592-4376). If you have questions or concerns about your information or how it may be used or disclosed as part of this process, please contact us (see contact information below).

Please list any residences, buildings or other areas on your property that should be avoided:

I am not aware of any residences, buildings, facilities, or areas on my property that should be avoided (If this statement applies to you, please check the box)

LOCATION	DESCRIPTION

(If you require additional space, please attach a separate sheet)

Please share any comments or concerns that you have about the project:

HOW TO SUBMIT: Please use the enclosed envelope to return by mail or fax to 780-420-5030. If you would like more information about the project, please contact us toll free 1-855-420-5775 or by Email: consultation@atcoelectric.com.