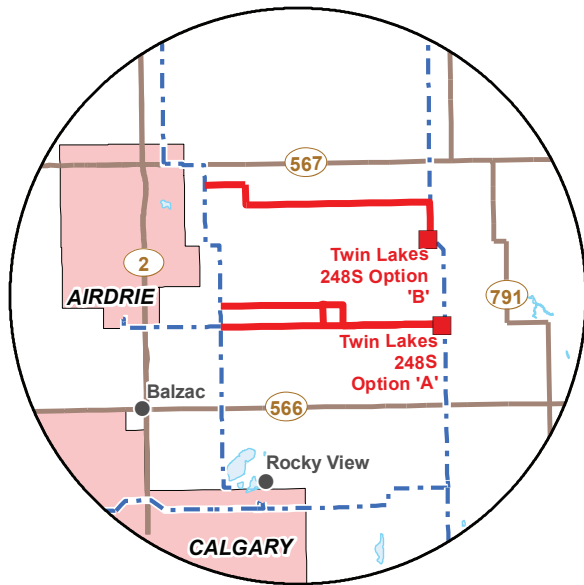


Airdrie Area Transmission Reinforcement

May 2010 **ALTALINK**



Why are you receiving this newsletter?

You are receiving this newsletter because you are a resident, occupant or landowner located near the proposed Airdrie Area Transmission Reinforcement project and we want your input.

What does this project involve?

AltaLink is proposing to:

- Build a new substation east of the City of Airdrie
- Build approximately 12 kilometres (km) of new transmission line from an existing line to the proposed substation
- Install a telecommunications tower within the proposed substation site

We want to provide you with:

- Project details
- A project schedule
- A map of the project area
- Information about how you can provide input

Who is AltaLink?

AltaLink owns transmission facilities in the area and is consulting with you about this project. We are based in Alberta and own and operate approximately 11,800 kilometres of transmission lines and approximately 270 substations. We provide electric service to more than 85 per cent of Albertans and own the majority of the transmission system in central and southern Alberta. To find out more about AltaLink, or if you have any questions please contact us at 1-877-380-0303.

ALTALINK

Electricity. When you need it.

What are the project details?

New 240 kV Substation

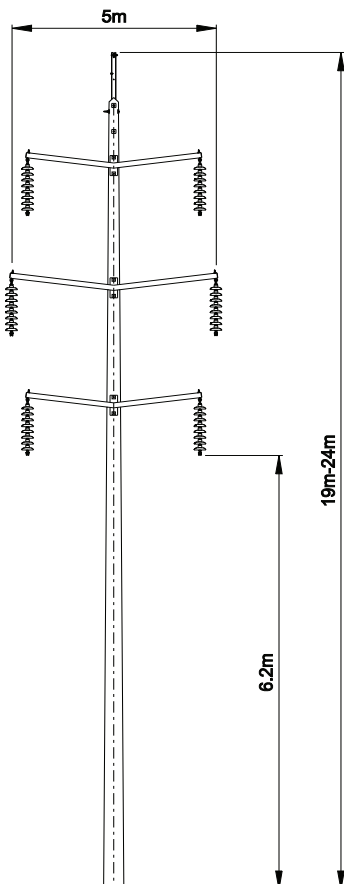
AltaLink is proposing to build a new 240/138 kilovolt (kV) substation, called Twin Lakes 248S, east of the City of Airdrie. The proposed substation site will be approximately 250 x 300 metres (820 x 984 feet) in size. It will contain electrical equipment, such as transformers, that reduce the voltage of electricity carried on the transmission system. It will also include a 40 metre (131 feet) high telecommunications tower. The substation site will be surrounded by a chain link fence and accessible through a locked gate by authorized personnel only.

Please refer to the enclosed map for the proposed locations of the new Twin Lakes 248S Substation. If the project is approved by the Alberta Utilities Commission, only one option will be selected.



The proposed Twin Lakes Substation will be similar to the substation pictured above.

Typical 138 kV
Double Circuit Structure



New 138 kV Transmission Line

AltaLink is proposing to build approximately 12 kilometres (km) of a new 138 kV double circuit transmission line, called 631L/405L. The line will be built with single pole steel structures, approximately 19 to 24 metres (62 to 78 feet) tall and five metres (16 feet) wide. They will be placed approximately 150 metres (490 feet) apart. The structures will be double circuit, meaning they will have one set of three wires on each side of the pole. They will be similar to the picture on the left.

The double circuit transmission line will be built from our existing 631L to the new proposed Twin Lakes 248S Substation. If the proposed 631L/405L is located on private property, a 20 metre (65 feet) right-of-way (a physical strip of land required for a transmission line) will be required. AltaLink will consult with landowners if any access and activities are needed on private property.

New 240 kV Transmission Line

AltaLink is proposing to build approximately 0.5 km of new 240 kV transmission line to connect the proposed Twin Lakes Substation to an existing transmission line, called 929L. The route and structure type for this transmission line will be determined after the substation site is determined. If the transmission line is located on private property, a right-of-way will be required. AltaLink will consult with landowners if any access and activities are needed on private property.

Telecommunications tower

As part of the proposed Airdrie Area Transmission Reinforcement project, AltaLink is proposing to install a telecommunications tower. The tower will be located inside the proposed Twin Lakes Substation. The purpose of the telecommunications tower is to support equipment that transmits data to AltaLink's System Control Centre. It will be used by the AltaLink System Control Centre for remote control operation of the electrical system, as well as private voice communications to staff on site, allowing us to monitor the safety and reliability of our electric system. The tower will be approximately 40 metres (122 feet) tall with a triangle base dimension of approximately five metres (16 feet). The telecommunications tower will be self-supporting and there will be antennas attached at or near the top of the tower. It will be painted and have obstruction lighting to meet the requirements of Transport Canada.



Typical self-supporting telecommunications tower.

For more information regarding AltaLink and this telecommunications tower project, please contact us at:

Website: www.altalink.ca/regionalprojects

Telephone: 1-877-380-0303

E-mail: stakeholderrelations@altalink.ca

If you have any questions or concerns regarding the telecommunications tower please contact AltaLink within 30 days of receiving this notification.

For general information relating to antenna systems contact Industry Canada:

Website: <http://strategis.ic.gc.ca/antenna>

Telephone: 613-954-5031

Toll-free: 1-800-328-6189 (Canada).

**Richard Hird, P.Eng., AltaLink
Manager, Network Communications**

Richard Hird attests that the radio installation described in this notification package will be installed and operated on an ongoing basis so as to comply with Health Canada's Safety Code 6, which defines safe levels of radio frequency (RF) exposure. The radio system described is excluded from the environmental assessment under the Canadian Environmental Assessment Act. To ensure the structural adequacy of the tower, the design and installation will follow industry standards and sound engineering practices.

ALTALINK

Electricity. When you need it.

What about Electric and Magnetic Fields (EMF)?

AltaLink recognizes that some people are concerned about EMF and we treat those concerns very seriously. AltaLink has experts who are available on request to measure the EMF or noise levels around your home, and ensure that all ungrounded metallic objects such as metal buildings and fences near the transmission line are properly grounded if necessary. For more information please refer to the brochure titled *A Dialogue on Electric & Magnetic Fields* included with this package.

What happens during construction?

Depending on where you are in relation to the proposed project you may see or hear:

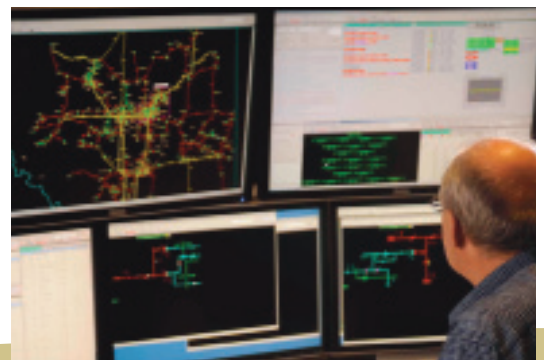
- Construction crews
- Selective clearing of trees and vegetation along the transmission line right-of-way
- Installation of transmission structures
- Stringing of wires on new transmission structures
- Leveling and grading of the new substation site
- Construction of a substation

Throughout the construction process, AltaLink and its contractors will follow all applicable Alberta Environment legislation and requirements, and will use appropriate techniques to protect water quality, soil, vegetation and wildlife habitat. Obtaining access and carrying out activities on private property will be done in consultation with the landowner. Any noise associated with the construction and/or operation of new facilities will comply with the Alberta Utilities Commission Noise Control Rule 12 and other relevant provincial and municipal noise regulations and standards.

Other projects in the area:

You may have heard about other transmission projects in the area. To find out more about these projects, please contact us directly or visit www.albertaelectricityfuture.ca. Proposed projects in the area include:

- Western Alberta Transmission Line



Route selection

When identifying route options, AltaLink takes several factors into consideration in an effort to find routes with the lowest overall impact. In identifying potential route options, some of the factors we take into consideration include:

- Agricultural
- Residential
- Environmental
- Electrical
- Cost
- Visual
- Special considerations



Please let us know what other factors are important to you so we can consider them when refining route options. A map is included in this package to help you identify your location in relation to the proposed transmission line routes and substation locations.

Why is this project needed?

The Alberta Electric System Operator (AESO) has determined the transmission system in the Airdrie area needs to be reinforced to meet the growing demand for electricity in the area. The AESO has directed AltaLink to determine potential transmission line routes and substation locations for this project. The AESO is an independent, not-for-profit entity responsible for the safe, reliable and economic planning and operation of the Alberta Interconnected Electric System.

For more information about the need for this project, please refer to the AESO Need Overview included with this package or visit www.aeso.ca.

What is the project schedule?

Spring 2010	Notify and consult with stakeholders
Fall 2010	File application with Alberta Utilities Commission (AUC)
Spring 2011	Start project construction if approval is granted by AUC
Fall 2011	Complete project construction

Who can you contact for more information?

To learn more about the proposed project you can contact:

AltaLink's Stakeholder Consultation: 1-877-380-0303 (toll free)

Email: stakeholderrelations@altalink.ca

Alberta Electric System Operator (AESO): 1-888-866-2959

Email: stakeholder.relations@aesoc.ca

Alberta Utilities Commission (AUC): 1-780-427-4901

(You can call toll-free by dialing 310-0000 before the number)

Email: utilitiesconcerns@auc.ab.ca

How can you provide input?

Your feedback is important to us and we will work with you to understand and address any questions or concerns you may have. AltaLink's representatives will contact landowners, residents and occupants near the proposed transmission line routes and substation locations.

We consider stakeholder comments in our project evaluations and summarize the input received from stakeholders in our Facility Application (FA). The FA describes our plans to meet technical requirements set by the AESO and provides information on routing, the environment, costs, project components and schedules, and our participant involvement program. We will submit the FA to the AUC for its review.

The AUC is a quasi-judicial agency, established by the Alberta government, that ensures the fair and responsible delivery of our utility services. We have enclosed a copy of the AUC brochure: *Public Involvement in Needs or Facilities Applications*, which describes how you can be involved in the AUC process.

Thank you!

Your feedback is important to us. To learn more about AltaLink and this project please visit www.altalink.ca/regionalprojects or please contact us at the information listed below:

ALTALINK

2611 - 3rd Avenue SE

Calgary, Alberta T2A 7W7

Phone: 1-877-380-0303 (toll-free)

Email: stakeholderrelations@altalink.ca

www.altalink.ca/regionalprojects

Included in this Stakeholder Information Package:

- A Dialogue on Electric & Magnetic Fields
- Good Neighbours
- Public Involvement in Needs or Facilities Applications
- The Alberta Electric System Operator's Need Overview