

## Minor Alterations at Fieldgate Substation in the Swan Hills Area

ATCO Electric wishes to advise neighbouring landholders, agencies and other interested parties about alterations planned at the existing Fieldgate substation in north-central Alberta.

### Purpose of Alterations

New equipment is needed to increase the electrical load served from ATCO Electric's Fieldgate substation. This is a transfer of load presently served by Fortis Alberta from AltaLink's nearby Judy Creek substation. The transfer is needed to help improve service to the area and is addressed in the Alberta Electric System Operator's (AESO) North-Central Region transmission development "needs identification document", which the AESO filed with the Alberta Utilities Commission (AUC) on July 16, 2009 (Application No. 1605266).

### Impacts to Neighbours

Alterations at Fieldgate substation will occur within the existing 65 by 30 metre fenced area. Upon completion, there should be little difference in the appearance of the substation. Neighbouring landholders may notice some increased traffic and noise during construction. We will try to avoid interruptions to electric service during construction. If outages are planned, affected customers would be notified at least 48 hours beforehand.

### Substation Location

The substation is located on an existing 150 by 168-metre Crown lease in SW 7, Tp. 64, Rge. 10-W5M, situated west of Highway 32 in the Municipal District of Big Lakes about 25 kilometres south of the Town of Swan Hills.

### Details of Improvements (see map-drawing)

- Add two 25 kilovolt (kV) circuit breakers and related infrastructure, protection and control equipment within the existing fenced area.
- Concurrently, new distribution lines will be built to transfer service to the Fieldgate substation from the Judy Creek substation, which is about 3 kilometres west of Fieldgate.

### Timing

ATCO Electric plans to submit a Permit and Licence Application to the AUC in August 2009. Prior to construction, ATCO Electric would seek approvals from other agencies as required. Construction is planned to start in January 2010 for completion by March 2010.



**If you have any questions or concerns about the planned activity, please contact:**

**Kara Green**, ATCO Electric, Right-of-Way Planning, Edmonton

**Phone 780-420-7277 • Toll-free 1-866-600-0022 • Fax 780-420-8017 • E-mail [kara.green@atcoelectric.com](mailto:kara.green@atcoelectric.com)**

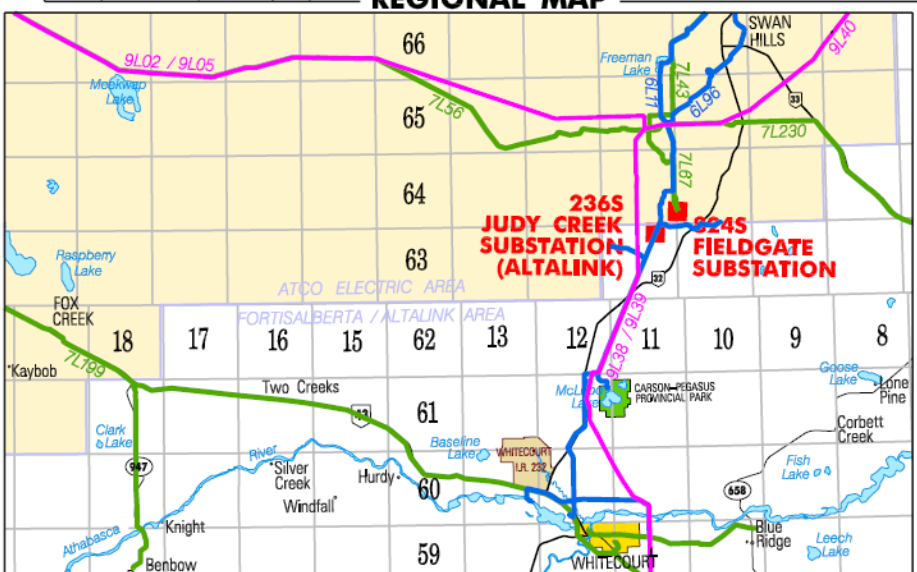
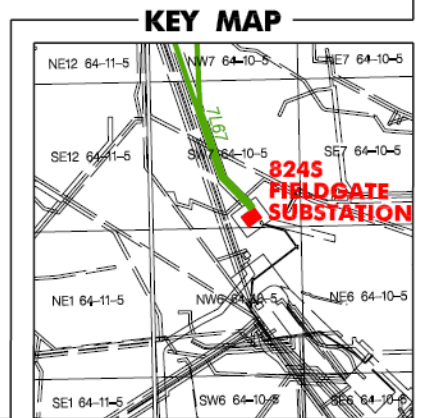
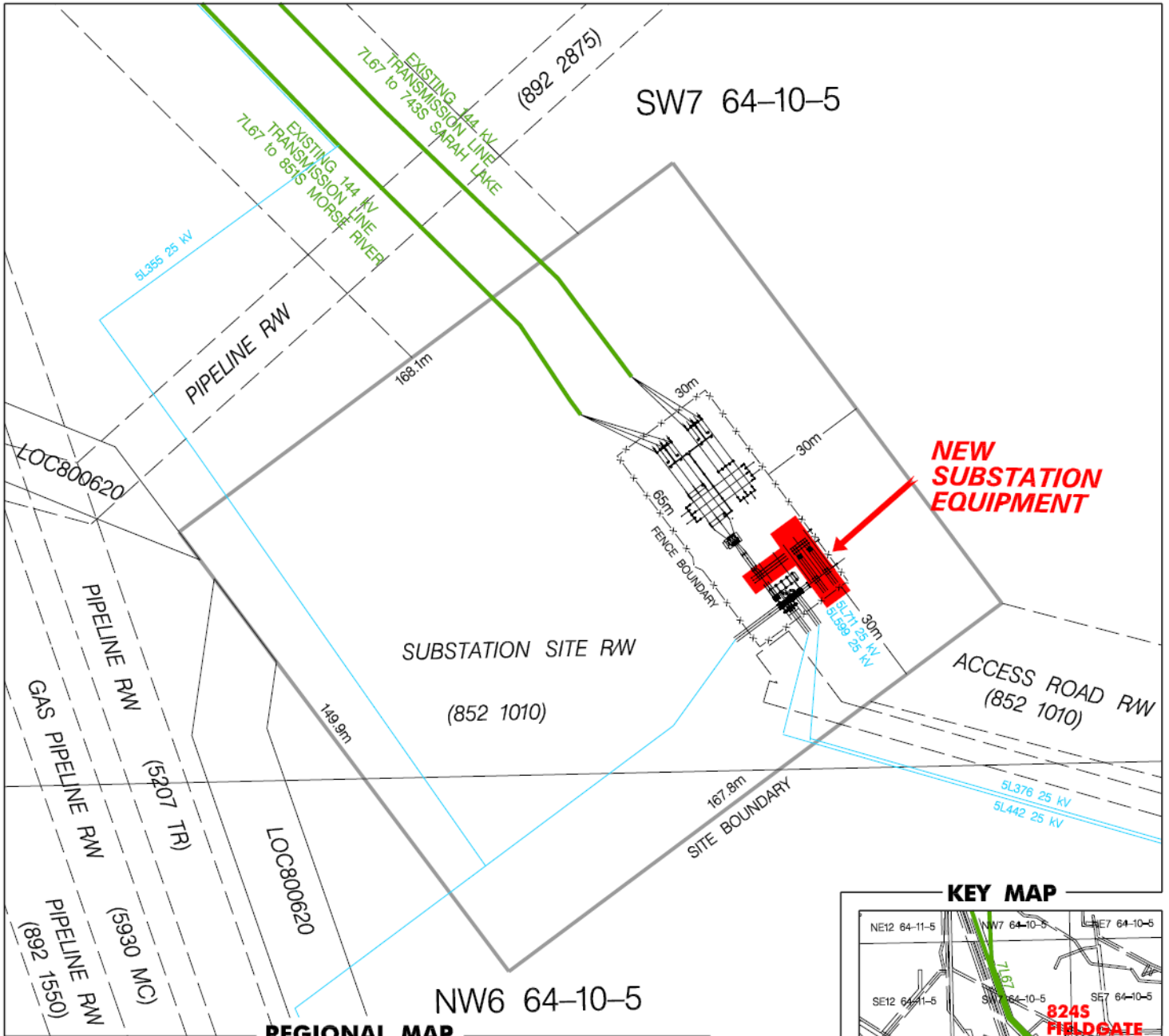
**Note: timing, layout and other details may vary slightly with final plans.**

**Transmission substations** like this one connect the transmission lines (69 kV and higher) to the distribution system (25 kV and lower) to serve the local area. **AESO** plans the transmission development in Alberta by identifying present and future needs, and directs transmission facility owners such as ATCO Electric and AltaLink to provide the needed transmission facilities. Enquiries about the need for the proposed alterations can be directed to AESO at 1-888-866-2959, [stakeholder.relations@aeso.ca](mailto:stakeholder.relations@aeso.ca). See the attached brochure for information about the process for applications to the **Alberta Utilities Commission**.

**AltaLink** operates Judy Creek substation along with other transmission system assets in central and southern Alberta.

**FortisAlberta** operates the local distribution system in central and southern Alberta, including the area served by Judy Creek substation and south.

**ATCO Electric** owns and operates the transmission and distribution systems that deliver electricity to customers in northern and east-central Alberta, including the area around Fieldgate substation and north. For power emergencies call us at 1-800-668-5506. For general enquiries about power lines or meters call us at 1-800-668-2248. For questions about hook-ups or your bill, please contact your energy retailer (see the phone number on your bill).



Fieldgate Substation  
 Substation Alterations Project  
 FIELDGATE SUBSTATION 824S  
 SITE PLAN



10035 - 105 Street, Edmonton, Alberta, T5J 2V6

DATE: \_\_\_\_\_

FAX TO: Kara Green, ATCO Electric, Fax No. 780-420-8017

PROJECT: Fieldgate 824S Substation

Do you have any facilities or developments in the area that may be affected by this project?

No.       Yes, and they are as follows:

\_\_\_\_\_  
\_\_\_\_\_

Do you have any concerns about the project?

No.       Yes, and they are as follows:

\_\_\_\_\_  
\_\_\_\_\_

Is there anyone else we should be contacting about this project?

No.       Yes, and they are as follows:

\_\_\_\_\_  
\_\_\_\_\_

Do you have any other comments or questions?

No.       Yes, and they are as follows:

\_\_\_\_\_  
\_\_\_\_\_

If we have any errors in your name and address, please provide corrections.

\_\_\_\_\_  
\_\_\_\_\_

Sent By: Name \_\_\_\_\_

Agency/Company Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

E-mail/Other: \_\_\_\_\_