



October 10, 2008

Don Popowich, Director, Facilities
Alberta Utilities Commission
First Calgary Place East
400, 425-1 Street SW
Calgary, Alberta, T2P 3L8

Dear Sir;

**RE: Application for Interconnection of
ATCO Electric Proposed 144 kV Transmission Line 7L114
to AltaLink Proposed Line 7L114**

AltaLink Management Ltd. and ATCO Electric Ltd. are jointly developing transmission facilities in the Conklin area, as directed by the Alberta Electric System Operator (AESO), following Alberta Utilities Commission approval of AESO's need document (Application No. 1545097). The facilities include a 144 kV transmission line "7L114" which is partly within AltaLink's operating area and partly within ATCO Electric's area.

1.0 INTERCONNECTION APPLICATION

ATCO Electric hereby applies to the Alberta Utilities Commission pursuant to Section 18 of the *Hydro and Electric Energy Act* (Chapter H-16, RSA 2000) for Approval and Order to connect ATCO Electric's proposed 144 kV transmission line 7L114 to AltaLink's proposed 144 kV transmission line 7L114, at point of connection located in LSD 1 in SE 2-78-9-W4M.

Application for associated facilities proposed by AltaLink, including AltaLink's approximately 12-km portion of line 7L114, are included in AltaLink's Application No. 1588514. ATCO Electric has filed applications for approval of ATCO Electric's approximately 19-km portion of transmission line 7L114 (Application No. 1589281) and ATCO Electric's Waddell substation 907S (Application No. 1587936).

2.0 REQUIRED INFORMATION

The location of required information is provided in a table in Attachment I-2, Reference Note Regarding Required Attachments for EAS/DDS Registration. The referenced information and documents are provided in the above-noted applications filed previously by AESO, ATCO Electric and AltaLink.

3.0 CONCLUSION

ATCO Electric respectfully requests the Commission's timely and favourable consideration. Correspondence or questions concerning this application can be directed to Ryan Smart (phone 780-733-2800), or to ATCO Electric's project manager James Carlson (phone 780-420-7296).

Yours truly,

< Original signed by >

Jim Crinklaw

Supervisor, Right of Way Planning

Attachments:

- I-1. Interconnection Application Text (this document)
- I-2. Reference Note Regarding Attachments

CC: H. Ng / F. Ritter, AESO, Calgary
M. Jackson / R. Desrosiers, AltaLink, Calgary

DAY MONTH YEAR
10-Oct-2008

Application #
1590430

APPLICANT'S FILE NUMBER
7L114 Interconnection

SUBMISSION STATUS Registered SUBMISSION ID 184780 CREATION DATE 10-Oct-2008

1. APPLICANT INFORMATION

Primary Applicant

COMPANY NAME ATCO Electric Ltd. BA CODE 0A5Z
 CONTACT NAME Ryan Smart
 TELEPHONE (780) 733-2800 FAX (780) 420-8017
 E-MAIL facilityapp@atcoelectric.com
 MAILING ADDRESS 10035 - 105 Street, Edmonton AB T5J 2V6

2. PROJECT OVERVIEW

1. Application Description:

Leismer-Waddell 144kV Transmission Line 7L114, Connection of ATCO Electric and AltaLink Portions of Line

2. Are there other AUC applications directly related to this application? Yes No

Application Category	Application Type	Application Number (If Known)
<u>Electric</u>	<u>Need Assessment</u>	<u>1545097</u>
<u>Electric</u>	<u>Substations</u>	<u>1587936</u>
<u>Electric</u>	<u>Transmission Lines</u>	<u>1588514</u>
<u>Electric</u>	<u>Transmission Lines</u>	<u>1589281</u>

3. APPLICATION TYPES

1. Identify what this application is for:

Electric Interconnection

If you have any questions or comments, please contact the EAS Administrator.

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10-Oct-2008

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SUBMISSION STATUS Registered SUBMISSION ID 184780 CREATION DATE 10-Oct-2008

4. INTERCONNECTION

1. Provide the name(s) of all other companies having ownership in the project, details of their incorporation, and the share in the project that each would have.

Company Name: _____ Percentage: _____

Details:

Total other ownership (%)

2. Have you conducted a participant involvement program? Yes No

If No, explain:

3. Are there outstanding public or industry objections and/or concerns? Yes No

4. Is this application to connect a power plant or two transmission elements of different ownership?

Power Plant Transmission Elements

5. Is this application for connection at the distribution voltage level (generally below 69kV) or transmission voltage level (generally 69kV or greater)? Distribution Level Transmission Level

6. If this application is for connection of a power plant at the transmission voltage level, what is the capacity of the plant? Less than 70 MW More than 70 MW

7. Provide the legal description, latitude and longitude of the interconnection point of the power plant with the AIES.

Lsd	Sec	Twp	Rge	Mer	Lat (NAD 83)	Long (NAD 83)
<u>1</u>	<u>2</u>	<u>78</u>	<u>9</u>	<u>4</u>	<u>55.7226</u>	<u>-111.2777</u>

If you have any questions or comments, please contact the EAS Administrator.

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ATTACHMENT I-2

REFERENCE NOTE

Regarding Required Attachments for EAS/DDS Registration

This attachment provides information requirements in accordance with the Alberta Utilities Commission's Rule 007 and/or the Commission's Electronic Application Submission/Digital Data Submission (EAS/DDS) system. To avoid duplicate submission in the EAS/DDS system of an attachment that is otherwise deemed by the EAS/DDS system as a required attachment, this reference note is provided to indicate where the required attachment or information may be found and to substitute for the required or duplicate attachment. Attachments cited are considered to be submitted for the applicable facilities as referenced below.

Location of Required or Common Attachments for Application for Interconnection of ATCO Electric's 144 kV Transmission Line 7L114 to AltaLink's 144 kV Transmission Line 7L114

Attachment Description	Submission:
Load Flow Studies (IC2)	Included in Section 4.0 and Appendix D of AESO's need identification Application No. 1545097 (North American Oilsands Leismer Facility – Need Application, Dec. 3, 2007).
Short Circuit Levels (IC5)	Included in Attachment 5 of ATCO Electric's Application No. 1587936 (AESO's NAOSC Leismer Facility –Functional Specification, December 18, 2007).
Functional Specification (IC6)	Included as Attachment 5 of ATCO Electric's Application No. 1587936 (AESO's NAOSC Leismer Facility –Functional Specification, December 18, 2007).
Cost Estimate (IC7) and Proponent's Contribution (IC8)	Included in Section 6.0 of ATCO Electric's Application No. 1589281 and in Section 13 and Appendix B of AltaLink's Application No. 1588514 .
Interconnection Point Diagram	Shown on ATCO Electric Route Map Drawing RS-7L114-A-04 included as Attachment 3 of ATCO Electric's Application No. 1589281 .