

November 20, 2006

Mr. Alex Lee
Transmission Engineering Manager

Great Lakes Power
2 Sackville Road,
Sault Ste. Marie
Ontario
P6B 6J6

Dear Mr. Lee

***New Disconnect Switch on Andrews 115 kV Circuit
Notification of Conditional Approval of Connection Proposal
CAA ID Number: 2006-EX305***

Thank you for the detailed information regarding the installation of the new disconnect switch on the Andrews 115 kV circuit between Andrews TS and Gartshore TS.

From the information provided, our review concludes that the proposed change will not result in a material adverse effect on the reliability of the IESO-controlled grid.

The IESO is therefore pleased to grant conditional approval for the modification detailed in the attached assessment report subject to your signed acknowledgment below. Any material changes to your proposal may require re-assessment by the IESO in accordance with Market Manual 2.10, and may nullify your conditional approval.

Final approval to connect the equipment to the IESO-controlled grid will be granted upon successful completion of the IESO Facility Registration process including, without limitation, satisfactory completion of the requirements set out in the System Impact Assessment report. During this process you shall demonstrate the requirements have been fulfilled and the equipment installed has characteristics no worse than those in the proposal assessed by the IESO. Please contact market.entry@ieso.ca if you have not received a Facility Registration Summary package within the next 10 days.

For further information, please contact the undersigned.

Yours truly

Michael Falvo

Manager - Transmission Assessments & Performance

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cc: IESO Records

Great Lakes Power acknowledges receipt of the System Impact Assessment Report setting out the IESO requirements for final approval, and commits to fulfill these requirements, and all other applicable Market Rules, before receiving final approval to connect to the IESO-controlled grid.

Dated: _____

Per: _____

Name: _____

Title: _____

ASSESSMENT SUMMARY

Great Lakes Power

1.0 GENERAL DESCRIPTION

Great Lakes Power is proposing to install a new 115 kV line switch (three single phases with whips) on the Andrews 115 kV circuit between Andrews TS and Gartshore TS. The purpose of this switch is to enable Andrews TS to be supplied as an island from Andrews GS in the event of a major line fault on the circuit between Andrews TS and Gartshore TS. The switch designation will be #704.

The new switch will be installed near the second structure from the Andrews TS tap-off (see figure 1). The new switch is scheduled to be in-service on November 27, 2006.

2.0 PROPOSED MODIFICATION

The technical specifications for the new switch are given below.

New Disconnect Switch on Andrews 115 kV Circuit	
Configuration	three single phases with whips
Nominal	138 kV
Maximum Design	145 kV
BIL	
Continuous Current	1,200 A
Momentary Current	61 kA
Manufacturer	Southern States
Serial Number	05B2804-01
Designation	704

3.0 ASSESSMENT

The information provided by Great Lakes Power shows that the technical characteristics of the new disconnect switch are acceptable.

Based on the Transmission System Code (Appendix 2), all 115 kV interrupting devices should have an interrupting capability of 50 kA. The new switch is rated above this performance standard and it can be concluded that the short term rating of the new switch is adequate.

This replacement represents an improvement of existing equipment and will have no material adverse effect on the IESO-controlled grid.

4.0 CONCLUSIONS

It can be concluded that the new disconnect switch will not result in a material adverse effect on the reliability of the IESO-controlled grid because:

- § the voltage and current ratings for the new disconnect switch are adequate
- § the proposed work will provide added flexibility in operations and increase the reliability of load supply in the area.

5.0 *REQUIREMENTS*

The proponent must notify the IESO as soon as it becomes aware of any changes to the assumptions made in the connection assessment. The IESO will determine whether these changes require a re-assessment.

Great Lakes Power is required to meet the transmitters' requirements with respect to protection systems for the new disconnect switch and coordination with the existing protection systems, as outlined in the Transmission System Code.

The Market Rules (Chapter 4 section 7.4) require that each transmitter shall provide the IESO on a continual basis with on-line monitored status as specified in Appendix 4.16. Great Lakes Power will be required to meet the IESO's on-line monitoring requirements.

6.0 *NOTIFICATION OF CONDITIONAL APPROVAL*

This expedited System Impact Assessment concludes that the installation of a new disconnect switch on the Andrews 115 kV circuit between Andrews TS and Gartshore TS is not expected to have a material adverse effect on the IESO-controlled grid. It is therefore recommended that a Notification of Conditional Approval of the Connection Proposal be issued, subject to the requirements detailed above.