

April 24, 2009

Mr. Dennis Haggerty
Site Manager
Erie Shores Wind Farm
55094 Glen Erie Line, RR2
NOJ 1Z0

Dear Mr. Haggerty

***Protection Changes on 115 kV circuit T11T
Notification of Final Approval of Connection Proposal
CAA ID Number: 2009-EX431***

Thank you for the detailed information regarding the protection changes on the 115 kV circuit T11T.

We have concluded that the proposed changes will not result in a material adverse impact on the reliability of the integrated power system. The proposed protection changes are acceptable to the IESO unless the transmitter, Hydro One, has any other concerns.

The IESO is therefore pleased to grant **final approval** for the modification detailed in the attached assessment report, subject to your signed acknowledgment below. Final settings must be provided to the IESO through the Market Entry process. Any material changes to your proposal may require re-assessment by the IESO in accordance with Market Manual 2.10, and may nullify your approval.

For further information, please contact the undersigned.

Yours truly

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cc: IESO Records

Erie Shores Wind Farm Limited Partnership (Erie Shores Wind Farm) 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

Erie Shores Wind Farm

1.0 GENERAL DESCRIPTION & PROPOSED MODIFICATIONS

Protection changes are being made to the 115 kV circuit T11T in cooperation with Hydro One in order to allow Erie Shores Wind Farm (ESWF) to use this circuit as an alternate stand-by circuit. This work is scheduled to be completed by April 20, 2009.

At present, the output of Erie Shores Wind Farm is limited to the 115 kV circuit W8T between Tillsonburg CSS and Buchanan TS, which is protected with an A and B transfer trip scheme. A transfer trip scheme will be added between St. Thomas TS and Tillsonburg CSS to enable Erie Shores Wind Farm to generate power on T11T if W8T is out of service.

In order to transfer ESWF from circuit W8T to T11T, ESWF will be requested to go to a no generation state (0 MW) as part of the outage process prior to any switching activities. Using a "make before break" switching sequence, the normally open circuit switchers at Cranbury Jct. (70T11T-20) and Lyons Jct. (84T11T-34) will be closed. Following that, the transfer trip protections will be selected to T11T, normally closed circuit switchers at Cranbury Jct. (70W8T-20) and Lyons Jct. (84W8T-34) will be opened and ESWF would be allowed to go back to a generation state.

In order to transfer ESWF from T11T to W8T, a similar process to the above would occur.

In the event of a faulted circuit (W8T or T11T), ESWF trips off and remains disconnected until instructed by the IESO to reconnect.

2.0 TECHNICAL SPECIFICATIONS

The new protection equipment on T11T will be designed to duplicate the existing protection on W8T as much as possible. Older protection equipment on T11T will be upgraded from electro-mechanical relays to a new solid state GE D60 system. Due to the absence of a breaker failure scheme for 11T11T, reverse looking zone 3 elements (phase and ground) on the new relay will be utilized as back-up protection and will trip breaker 11T11T for un-cleared transformer station faults.

2.1 Comparison of Thermal Ratings on 115 kV Circuits

The thermal ratings of T11T are similar to the thermal ratings of W8T. Erie Shores Wind Farm connects to the 115 kV circuit WT1T prior to connecting to either W8T or T11T. The thermal ratings of WT1T are lower than either W8T or T11T and therefore the thermal capability of T11T is not in question.

3.0 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.

Protection systems must be designed to meet all the requirements of the TSC and any additional requirements identified by Hydro One. They must be coordinated with existing schemes. Although as far as the IESO's requirements are concerned there is no critical need for protections duplication on the T11T 115kV circuit, where duplicate facilities exist for this circuit the new or modified protection systems must also be fully duplicated and supplied from separate batteries. Provided that the TSC requirements are satisfied, the IESO does not have additional requirements.

4.0 ASSESSMENT & CONCLUSIONS

This expedited System Impact Assessment concludes that the above detailed protection changes are not expected to have a material adverse impact on the IESO-controlled grid.

The proposed protection changes are acceptable to the IESO unless the transmitter, Hydro One, has any other concerns.

5.0 NOTIFICATION OF FINAL APPROVAL

It is therefore recommended that a Notification of Final Approval of the Connection Proposal be issued, subject to the requirements detailed above.