

Great Lakes Power Transmission

2 Sackville Road, Suite B
Sault Ste. Marie, ON P6B 6J6

Tel. 705.254.7444
Fax. 705.759.7706
www.glp.ca

November 1, 2014

BY E-MAIL

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
2300 Yonge St.
Toronto, ON
M4P 1E4

Dear Ms. Walli:

RE: Annual Report Regional Planning East Lake Superior Region (EB-2011-0043)

As the lead transmitter in the East Lake Superior Region, Great Lakes Power Transmission LP (GLPT) is submitting this letter to the Ontario Energy Board (OEB) as the Annual Report - Regional Planning East Lake Superior Region as per the Transmission System Code section 3C.3.3. This letter will also be posted on the GLPT website.

GLPT is in the early stages of the Regional Planning process and at this time there is no Regional Infrastructure Plans (RIP) or Integrated Regional Resource Plans (IRRP) completed to date or identified as being required for the East Lake Superior Region.

The Needs Screening for the East Lake Superior Region was triggered in response to the Ontario Energy Board's (OEB) new Regional Planning process approved in August 2013. To prioritize and manage the regional planning process, Ontario's 21 regions were assigned to one of three groups, where Group 2 Regions were to be undertaken in 2014-15. East Lake Superior Region belongs to Group 2 and the Needs Screening for this Region was triggered by GLPT in mid-October 2014 after the data collection phase and is scheduled to be completed mid-December 2014.

An introduction meeting was held on July 31, 2014 with all Stakeholders to discuss the key objectives of the planning process and a formal request for information was sent to all on August 12, 2014. Original timelines were interpreted based on working days and not calendar days but have been corrected based on the following dates.

Data Gathering Request Letter Sent to Stakeholders	August 12, 2014
All Data Received – Start of Need Screening Phase	October 12, 2014
Final Report due	December 12, 2014

The East Lake Superior Region Regional Planning process includes the following Stakeholders:

Great Lake Power Transmission LP (GLPT) (Lead Transmitter)

Ontario Power Authority (OPA)

Independent Electricity System Operator (IESO)

Hydro One Network Inc. (Hydro One)

Algoma Power Inc. (API)

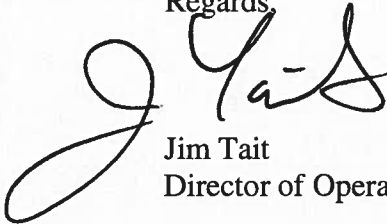
PUC Distribution Inc. (PUC)

Chapleau Public Utility Company (Chapleau PUC)

GLPT's approach in delivering the Needs Screening Report will stay consistent with that of previous reports submitted during Group 1. See Appendix A - Need Screen Report template

If you require any additional information please feel free to contact me at (705) 941-5652 or email jtait@glp.ca.

Regards,

A handwritten signature in black ink, appearing to read 'J. Tait', with a large, stylized loop at the beginning.

Jim Tait
Director of Operations

Appendix A
Need Screening Template

NEEDS SCREENING REPORT

East Lake Superior Region

Revision: Draft R1
Date: Month xx, 2014

Prepared by: East Lake Superior Region Study Team

Insert Logo's for each company on the study team:

Great Lakes Power
Ontario Power Authority
IESO
Hydro One

PUC Distribution Inc.
Algoma Power Inc.
Chapeaux Public Utility Corporation

DISCLAIMER

This Needs Screening Report was prepared for the purpose of identifying potential needs in the East Lake Superior Region and to recommend whether those needs require further coordinated regional planning. The potential needs that have been identified through this Needs Screening may be studied further through subsequent regional planning processes and may be re-evaluated based on the findings of further analysis. The load forecast and results reported in this Needs Screening are based on the information and assumptions provided by study team participants.

Study team participants, their respective affiliated organizations, and Great Lakes Power Transmission LP (collectively, “the Authors”) shall not, under any circumstances whatsoever, be liable each other, to any third party for whom the Needs Screening Report was prepared (“the Intended Third Parties”) or to any other third party reading or receiving the Needs Screening Report (“the Other Third Parties”). The Authors, Intended Third Parties and Other Third Parties acknowledge and agree that:

- (a) the Authors make no representations or warranties (express, implied, statutory or otherwise) as to this document or its contents, including, without limitation, the accuracy or completeness of the information therein;
- (b) the Authors, Intended Third Parties and Other Third Parties and their respective employees, directors and agents (the "Representatives") shall be responsible for their respective use of the document and any conclusions derived from its contents;
- (c) and the Authors will not be liable for any damages resulting from or in any way related to the reliance on, acceptance or use of the document or its contents by the Authors, Intended Third Parties or Other Third Parties or their respective Representative.

NEEDS SCREENING SUMMARY REPORT

NEEDS SCREENING SUMMARY REPORT			
NAME	East Lake Superior Region Study		
LEAD	Great Lakes Transmission LP (GLPT)		
REGION	East Lake Superior		
START DATE		END DATE	
1. INTRODUCTION			
<p>The purpose of this Needs Screening report is to undertake an assessment of the East Lake Superior Region, determine if there are regional needs that would lead to coordinated regional planning. Where regional coordination is not required and a “wires” only solution is necessary such needs will be addressed between the relevant Local Distribution Companies (LDCs) and GLPT and other parties as required.</p> <p>For needs that require further regional planning and coordination, the Ontario Power Authority (OPA) will initiate the Scoping process to determine whether an OPA-led Integrated Regional Resource Planning (IRRP) process or the transmitter-led Regional Infrastructure Plan (RIP) process (wires solution) is required, or whether both are required.</p>			
2. REGIONAL ISSUES/TRIGGER			
<p>The Needs Screening for the East Lake Superior Region was triggered in response to the Ontario Energy Board’s (OEB) new Regional Planning process approved in August 2013. To prioritize and manage the regional planning process, Ontario’s 21 regions were assigned to one of three groups, where Group 2 Regions are to be reviewed in 2014. East Lake Superior Region belongs to Group 2 and the Needs Screening for this Region was triggered on October 12, 2014 and was completed on December 12, 2014.</p>			
3. SCOPE OF NEEDS SCREENING			
<p>The scope of this Needs Screening assessment was limited to the next 10 years because relevant data and information was collected up to the year 2023. Needs emerging over the near-term (0-5 years) and mid-term (6-10 years) should be further assessed as part of the OPA-led Scoping Assessment and/or IRRP, or in the next planning cycle to develop a 20-year plan and strategic direction for the Region.</p> <p>The assessment included a review of transmission system connection facilities capacity which covers station loading, thermal and voltage analysis, system reliability, operational issues such as load restoration and asset sustainment plans.</p>			

4. INPUTS/DATA (INFORMATION REQUIRED TO COMPLETE ASSESSMENT)

Study team participants, including representatives from Local Distribution Companies (LDC), the Ontario Power Authority (OPA), the Independent Electricity System Operator (IESO) and Hydro One Networks Inc. (Hydro One) provided information and input to GLPT for the East Lake Superior Region. The information provided includes the following:

- Actual 2013 regional coincident peak load and station non-coincident peak load provided by IESO;
- Historical net load and gross load forecast (which is the forecasted load from the historical net load) provided by LDCs and other Transmission connected customers;
- Conservation and Demand Management (CDM) and Distributed Generation (DG) data provided by OPA;
- Any known reliability and/or operating issues conditions identified by LDCs or the IESO;
- Planned transmission and distribution investments provided by the transmitter and LDCs, etc.

5. ASSESSMENT

The assessment's primary objective over the study period (2014 to 2023) is to identify the electrical infrastructure needs in the region. The study reviewed available information, load forecast and conducted single contingency analysis to confirm need, if and when required. See Section 5 for further details.

6. RESULTS

7. RECOMMENDATION

PREPARED BY: East Lake Superior Region Study Team

PARTICIPANTS: LISTED BELOW

COMPANY	NAME	SIGNATURE
Great Lakes Power Transmission LP (Lead)	Jim Tait	
Ontario Power Authority	Bob Chow	
Independent Electricity System Operator	Phillip Woo	

Hydro One Networks Inc. (Transmitter)	Ajay Garg	
PUC Distribution Inc.	Rob Harten	
Algoma Power Inc.	Greg Beharriell	
Chapleau Public Utility Company	Alan Morin	

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