

EB-2014-0238

**IN THE MATTER OF** the *Ontario Energy Board Act,* 1998, S.O. 1998, c. 15, (Schedule B);

**AND IN THE MATTER OF** an application by Great Lakes Power Transmission Inc. on behalf of Great Lakes Power Transmission LP seeking changes to the electricity transmission revenue requirement for 2015 and 2016 to be effective January 1, 2015 and January 1, 2016.

**BEFORE:** Ellen Fry

**Presiding Member** 

Marika Hare Member

#### **DECISION AND ORDER**

**December 18, 2014** 

Great Lakes Power Transmission Inc. on behalf of Great Lakes Power Transmission LP (GLPT) filed a complete cost of service application with the Ontario Energy Board (the "Board") on July 14, 2014 under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, (Schedule B), seeking approval for changes to its electricity transmission revenue requirements for 2015 and 2016 to be effective January 1, 2015 and January 1, 2016. GLPT recovers its Board-approved revenue requirement through Ontario's Uniform Transmission Rates.

GLPT, the Vulnerable Energy Consumers Coalition (VECC), the School Energy Coalition (SEC), and Energy Probe Research Foundation (Energy Probe) agreed on a

complete Settlement Proposal, which was filed on November 12, 2014. On November 19, 2014 the Board heard submissions on an issue regarding the continuation of Subaccount IFRS Gains and Losses within deferral account 1508.

At this hearing the Board among other things approved the Settlement Proposal, directed GLPT to file a draft Rate Order and set timelines for submissions by intervenors and Board staff and GLPT reply submissions.

On November 25, 2014 GLPT filed a draft Rate Order. The Board received submissions from Board staff on the draft Rate Order. SEC and Energy Probe agreed with the Board staff submission and on December 3, 2014 GLPT filed a revised draft Rate Order that addressed the submissions by Board staff.

The Board notes that in its submission Board staff identified a discrepancy between the charge determinants shown in the Settlement Proposal<sup>1</sup> and those contained in the initial draft Rate Order. GLPT responded that the Settlement Proposal had inadvertently shown the charge determinants for 2014 rather than those proposed for 2015 and 2016.

The Board finds that the revised draft Rate Order is in keeping with the terms of the Settlement Proposal as approved by the Board. The Board notes that its approval of the Settlement Proposal is subject to the correction of the error concerning charge determinants discussed above.

Accordingly, the Board approves revenue requirements for GLPT in the amount of \$40,302,831 for 2015 and in the amount of \$40,990,460 for 2016 for the purposes of calculating the Uniform Transmission Rates. The amount for 2015 reflects the cost of capital parameters that have been approved by the Board for 2015. The amount for 2016 will be adjusted to reflect the cost of capital parameters for 2016 when they are approved by the Board.

For 2015, the Board also approves the allocation of the revenue requirement of \$40,302,831 among the three Uniform Transmission Rate pools that are currently approved for Hydro One Networks Inc. (Hydro One). In accordance with Appendix C, the allocations for GLPT for 2015 using these percentages are:

<sup>&</sup>lt;sup>1</sup> at page 36

- \$24,611,934 (61.1%) to Network;
- \$5,106,199 (12.7%) to Line Connection; and
- 10,584,698 (26.2%) to Transformation Connection

The Board notes that currently there is an application before the Board to set, among other things, Hydro One's Uniform Transmission Rates pool allocations for 2015. When these allocations have been set for Hydro One, the 2015 pool allocations for GLPT will be adjusted to reflect the same allocations. Similarly, the 2016 pool allocations for GLPT will be set to reflect the same allocations as the Hydro One allocations for 2016, when these have been approved.

#### IT IS ORDERED THAT:

- 1. The revenue requirement for GLPT to be included in the calculation of Uniform Transmission Rates effective January 1, 2015 is \$40,302,831, calculated in accordance with Appendix A. The revenue requirement for GLPT effective January 1, 2016 is \$40,990,460 calculated in accordance with Appendix A-1 subject to adjustment to reflect the cost of capital parameters approved by the Board for 2016 when these are available.
- 2. The GLPT revenue requirement allocations to the transmission pools for the calculation of the Uniform Transmission Rates for 2015 will be based on the allocations currently utilized for Hydro One, in accordance with Appendix C. When the Board has approved the 2015 pool allocations for Hydro One, the 2015 allocations for GLPT will be adjusted to be the same.
- 3. The GLPT charge determinants for the calculation of the Uniform Transmission Rates for 2015 are as shown in Appendix C.
- 4. GLPT shall establish the following variance accounts in accordance with Appendix D, effective January 1, 2015:
  - Sub-account "In-service Addition Net Cumulative Asymmetrical Variance Account" within Account 1508 – Other Regulatory Assets
  - Sub-account "2015 Revenue Deficiencies" within Account 1574
  - Sub-account "2016 Revenue Deficiencies" within Account 1574

- 5. GLPT shall close effective immediately the variance account referred to as "Sub-account within account 1508 to track and record impacts on test year revenue requirements resulting from any changes to existing IFRS standards or changes in the interpretation of such standards".
- 6. GLPT shall recover \$787,816 in each of 2015, 2016 and 2017 to clear deferral and variance account balances totalling \$2,363,488 to the end of 2014, in accordance with Appendix B.

#### **Cost Awards**

The Board may grant cost awards to eligible parties pursuant to its power under section 30 of the Ontario Energy Board Act, 1998. When determining the amount of the cost awards, the Board will apply the principles set out in section 5 of the Board's Practice Direction on Cost Awards. The maximum hourly rates set out in the Board's Cost Awards Tariff will also be applied.

- 1. Intervenors shall file with the Board and forward to GLPT their respective cost claims within 7 days from the date of issuance of this Decision and Order.
- 2. GLPT shall file with the Board and forward to intervenors any objections to the claimed costs within 17 days from the date of issuance of this Decision and Order.
- 3. Intervenors shall file with the Board and forward to GLPT any responses to any objections for cost claims within 24 days of the date of issuance of this Decision and Order.
- 4. GLPT shall pay the Board's costs incidental to this proceeding upon receipt of the Board's invoice.

All filings to the Board must quote the file number, EB-2014-0238, be made electronically through the Board's web portal at <a href="https://www.pes.ontarioenergyboard.ca/eservice/">https://www.pes.ontarioenergyboard.ca/eservice/</a>, in searchable / unrestricted PDF format. Two paper copies must also be filed at the Board's address provided below. Filings must clearly state the sender's name, postal address and telephone number, fax number and e-mail address. Parties must use the document naming conventions and document submission standards outlined in the RESS Document Guideline found at

http://www.ontarioenergyboard.ca/OEB/Industry. If the web portal is not available parties may email their documents to the address below. Those who do not have internet access are required to submit all filings on a CD in PDF format, along with two paper copies. Those who do not have computer access are required to file 7 paper copies.

All communications should be directed to the attention of the Board Secretary at the address below, and be received no later than 4:45 p.m. on the required date.

#### **ADDRESS**

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto ON M4P 1E4
Attention: Board Secretary

E-mail: <u>boardsec@ontarioenergyboard.ca</u>

Tel: 1-888-632-6273 (Toll free)

Fax: 416-440-7656

**DATED** at Toronto, December 18, 2015

#### **ONTARIO ENERGY BOARD**

Original signed by

Kirsten Walli Board Secretary

## **APPENDIX A**

### **TO DECISION AND ORDER**

EB-2014-0238

**Great Lakes Power Transmission LP** 

DATED: December 18, 2014





Version 4.00

<b>Utility Name</b>		
Service Territory	Great Lakes Power Transmission	
Assigned EB Number	EB-2014-0238	
Name and Title	Scott Seabrook, Director of Administration	
Phone Number	(705) 759-7624	
Email Address	sseabrook@glp.ca	

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While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.



1. Info 6. Taxes PILs

2. Table of Contents 7. Cost of Capital

3. Data\_Input\_Sheet 8. Rev\_Def\_Suff

4. Rate\_Base 9. Rev\_Reqt

5. Utility Income

#### Notes:

(1) Pale green cells represent inputs

(2) Pale green boxes at the bottom of each page are for additional notes

(3) Pale yellow cells represent drop-down lists

(4) Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

(5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel



#### Data Input (1)

		Initial Application	(2)				(6)		Per Board Decision	
1	Rate Base Gross Fixed Assets (average) Accumulated Depreciation (average) Allowance for Working Capital:	\$249,916,705 (\$31,630,529)	(5)	\$ - \$ -	\$	249,916,705 (\$31,630,529)		\$ - \$ -	\$249,916,705 (\$31,630,529)	
	Controllable Expenses Cost of Power	\$11,021,095 \$-		(\$200,000) \$ -	\$	10,821,095		\$ - \$ -	\$10,821,095 \$0	
	Working Capital Rate (%)	4.30%	(9)			4.38%	(9)		4.38%	(9)
2	Utility Income Operating Revenues:									
	Distribution Revenue at Current Rates Distribution Revenue at Proposed Rates Other Revenue:	\$38,731,100 \$39,782,072		\$0 (\$200,000)		\$38,731,100 \$39,582,072		\$0 (\$67,057)	\$38,731,100 \$39,515,015	
	Specific Service Charges Late Payment Charges	\$ - \$ -		\$0 \$0		\$ - \$ -		\$0 \$0	\$ - \$ -	
	Other Distribution Revenue	\$ -		\$0 \$0		\$-		\$0 \$0	\$ -	
	Other Income and Deductions	\$89,900		\$0		\$89,900		\$0	\$89,900	
	Total Revenue Offsets	\$ -	(7)	\$0		\$ -		\$0	\$ -	
	Operating Expenses:									
	OM+A Expenses	\$11,021,095		(\$200,000)	\$	10,821,095		\$ -	\$10,821,095	
	Depreciation/Amortization Property taxes	\$9,701,179 \$238,241		\$ - \$ -	\$	9,701,179 238,241		\$ - \$ -	\$9,701,179 \$238,241	
	Other expenses	\$ -		\$ -	Ψ	0		\$ -	\$0	
3	Taxes/PILs									
	Taxable Income:									
	Adjustments required to arrive at toyable income	(\$2,323,145)	(3)			(\$2,323,145)			(\$2,323,145)	
	Adjustments required to arrive at taxable income Utility Income Taxes and Rates:									
	Income taxes (not grossed up)	\$1,554,818				\$1,554,818			\$1,540,905	
	Income taxes (grossed up)	\$2,115,398				\$2,115,398			\$2,096,469	
	Federal tax (%) Provincial tax (%)	15.00% 11.50%				15.00% 11.50%			15.00% 11.50%	
	Income Tax Credits	\$ -				\$ -			\$ -	
4	Capitalization/Cost of Capital Capital Structure:									
	Long-term debt Capitalization Ratio (%)	56.0%				56.0%			56.0%	
	Short-term debt Capitalization Ratio (%)	4.0%	(8)			4.0%	(8)		4.0%	(8)
	Common Equity Capitalization Ratio (%) Prefered Shares Capitalization Ratio (%)	40.0%				40.0%			40.0%	
	Trefered Shares Capitalization Natio (70)	100.0%			_	100.0%			100.0%	
	Cost of Capital									
	Long-term debt Cost Rate (%)	6.87%				6.87%			6.87%	
	Short-term debt Cost Rate (%)	2.11%				2.11%			2.16%	
	Common Equity Cost Rate (%) Prefered Shares Cost Rate (%)	9.36%				9.36%			9.30%	
	. 13.3.33 Shares Cost Nato (70)									

#### Notes: General

Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use colimn M and Adjustments in column I
- (2) (3) (4) (5) (6) Net of addbacks and deductions to arrive at taxable income.

- Average of Gross Fixed Assets at beginning and end of the Test Year
  Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.

  Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.

- Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
  4.0% unless an Applicant has proposed or been approved for another amount.
  Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale



#### Rate Base and Working Capital

#### Rate Base

	Nate Dase						
Line No.	Particulars	_	Initial Application				Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$249,916,705	\$ -	\$249,916,705	\$ -	\$249,916,705
2	Accumulated Depreciation (average)	(3)	(\$31,630,529)	\$ -	(\$31,630,529)	\$ -	(\$31,630,529)
3	Net Fixed Assets (average)	(3)	\$218,286,176	\$ -	\$218,286,176	\$ -	\$218,286,176
4	Allowance for Working Capital	(1)	\$474,028	(\$1)	\$474,028	\$ -	\$474,028
5	Total Rate Base	_	\$218,760,204	(\$1)	\$218,760,204	\$	\$218,760,204

#### **Allowance for Working Capital - Derivation**

Controllable Expenses Cost of Power Working Capital Base		\$11,021,095 \$- \$11,021,095	(\$200,000) \$ - (\$200,000)	\$10,821,095 \$- \$10,821,095	\$ - \$ - \$ -	\$10,821,095 \$- \$10,821,095
Working Capital Rate %	(2)	4.30%	0.08%	4.38%	0.00%	4.38%
Working Capital Allowance		\$474,028	(\$1)	\$474,028	\$ -	\$474,028

#### Notes (2)

10

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.

Average of opening and closing balances for the year.



#### **Utility Income**

Line No.	Particulars	Initial Application				Per Board Decision
	Operating Revenues:					
1	Distribution Revenue (at Proposed Rates)	\$39,782,072	(\$200,000)	\$39,582,072	(\$67,057)	\$39,515,015
2	Other Revenue	(1)\$89,900	\$-	\$89,900	\$ -	\$89,900
3	Total Operating Revenues	\$39,871,972	(\$200,000)	\$39,671,972	(\$67,057)	\$39,604,915
	Operating Expenses:					
4	OM+A Expenses	\$11,021,095	(\$200,000)	\$10,821,095	\$ -	\$10,821,095
5	Depreciation/Amortization	\$9,701,179	\$-	\$9,701,179	\$ -	\$9,701,179
6	Property taxes	\$238,241	\$ -	\$238,241	\$ -	\$238,241
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
9	Subtotal (lines 4 to 8)	\$20,960,515	(\$200,000)	\$20,760,515	\$ -	\$20,760,515
10	Deemed Interest Expense	\$8,605,676	(\$0)	\$8,605,676	\$4,375	\$8,610,052
11	Total Expenses (lines 9 to 10)	\$29,566,191	(\$200,000)	\$29,366,191	\$4,375	\$29,370,567
12	Utility income before income					
12	taxes	\$10,305,780	(\$0)	\$10,305,780	(\$71,432)	\$10,234,349
13	Income taxes (grossed-up)	\$2,115,398	(\$0)	\$2,115,398	(\$18,929)	\$2,096,469
14	Utility net income	\$8,190,382	(\$0)	\$8,190,382	(\$52,502)	\$8,137,880
<u>Notes</u>	Other Revenues / Reve	nue Offsets				
(1)	Specific Service Charges	\$ -	\$ -	\$ -	\$ -	\$ -
` '	Late Payment Charges	\$ -	\$ -	\$ -	\$ -	\$ -
	Other Distribution Revenue	\$ -	\$ -	\$ -	\$ -	\$ -
	Other Income and Deductions	\$89,900	\$ -	\$89,900	\$ -	\$89,900
	Total Revenue Offsets	\$89,900	<u>\$-</u>	\$89,900	\$ -	\$89,900



#### Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	<u>Determination of Taxable Income</u>			
1	Utility net income before taxes	\$8,190,382	\$8,190,382	\$8,137,880
2	Adjustments required to arrive at taxable utility income	(\$2,323,145)	(\$2,323,145)	(\$2,323,145)
3	Taxable income	\$5,867,237	\$5,867,237	\$5,814,735
	Calculation of Utility income Taxes			
4	Income taxes	\$1,554,818	\$1,554,818	\$1,540,905
6	Total taxes	\$1,554,818	\$1,554,818	\$1,540,905
7	Gross-up of Income Taxes	\$560,581	\$560,581	\$555,564
8	Grossed-up Income Taxes	\$2,115,398	\$2,115,398	\$2,096,469
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$2,115,398	\$2,115,398	\$2,096,469
10	Other tax Credits	\$ -	\$ -	\$ -
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

#### Notes



#### Capitalization/Cost of Capital

Line No.	Particulars	Capitaliz	ration Ratio	Cost Rate	Return
		Initial A	pplication		
		(%)	(\$)	(%)	(\$)
	Debt	(**)	(*/	(,	(*/
1	Long-term Debt	56.00%	\$122,505,714	6.87%	\$8,421,043
2	Short-term Debt	4.00%	\$8,750,408	2.11%	\$184,634
3	Total Debt	60.00%	\$131,256,123	6.56%	\$8,605,676
	Equity				
4	Common Equity	40.00%	\$87,504,082	9.36%	\$8,190,382
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$87,504,082	9.36%	\$8,190,382
7	Total	100.00%	\$218,760,204	7.68%	\$16,796,058
,	Total	100.0078	Ψ210,700,204	7.0070	\$10,790,030
		(%)	(\$)	(%)	(\$)
	Debt	(70)	(Ψ)	(70)	(Ψ)
1	Long-term Debt	56.00%	\$122,505,714	6.87%	\$8,421,043
2	Short-term Debt	4.00%	\$8,750,408	2.11%	\$184,634
3	Total Debt	60.00%	\$131,256,122	6.56%	\$8,605,676
4	Equity  Common Equity	40.00%	\$87,504,082	9.36%	\$8,190,382
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$87,504,082	9.36%	\$8,190,382
		<del></del>		<del></del>	
7	Total	100.00%	\$218,760,204	7.68%	\$16,796,058
		Per Boa	rd Decision		
		(%)	(\$)	(%)	(\$)
	Debt	(70)	(Ψ)	(70)	(Ψ)
8	Long-term Debt	56.00%	\$122,505,714	6.87%	\$8,421,043
9	Short-term Debt	4.00%	\$8,750,408	2.16%	\$189,009
10	Total Debt	60.00%	\$131,256,122	6.56%	\$8,610,052
	Equity				
11	Equity  Common Equity	40.00%	\$87,504,082	9.30%	\$8,137,880
12	Preferred Shares	0.00%	\$67,304,082	0.00%	φο, 137,000 \$ -
13	Total Equity	40.00%	\$87,504,082	9.30%	\$8,137,880
			, ,		, ,
14	Total	100.00%	\$218,760,204	7.66%	\$16,747,931

#### Notes (1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use colimn M and Adjustments in column I



#### Revenue Deficiency/Sufficiency

Initial A	Application

Per Board Decision

		Initial Applic	Lation			Per Board D	ecision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue	\$38,731,100 \$89,900	\$1,050,972 \$38,731,100 \$89,900	\$38,731,100 \$89,900	\$850,972 \$38,731,100 \$89,900	\$38,731,100 \$89,900	\$783,915 \$38,731,100 \$89,900
4	Offsets - net Total Revenue	\$38,821,000	\$39,871,972	\$38,821,000	\$39,671,972	\$38,821,000	\$39,604,915
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$20,960,515 \$8,605,676 \$29,566,191	\$20,960,515 \$8,605,676 \$29,566,191	\$20,760,515 \$8,605,676 \$29,366,191	\$20,760,515 \$8,605,676 \$29,366,191	\$20,760,515 \$8,610,052 \$29,370,567	\$20,760,515 \$8,610,052 \$29,370,567
9	Utility Income Before Income Taxes	\$9,254,809	\$10,305,780	\$9,454,809	\$10,305,780	\$9,450,433	\$10,234,349
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$2,323,145)	(\$2,323,145)	(\$2,323,145)	(\$2,323,145)	(\$2,323,145)	(\$2,323,145)
11	Taxable Income	\$6,931,664	\$7,982,635	\$7,131,664	\$7,982,635	\$7,127,288	\$7,911,204
12 13	Income Tax Rate	26.50% \$1,836,891	26.50% \$2,115,398	26.50% \$1,889,891	26.50% \$2,115,398	26.50% \$1,888,731	26.50% \$2,096,469
14 15	Income Tax on Taxable Income Income Tax Credits Utility Net Income	\$ - \$7,417,918	\$ - \$8,190,382	\$ - \$7,564,918	\$ - \$8,190,382	\$ - \$7,561,702	\$ - \$8,137,880
16	Utility Rate Base	\$218,760,204	\$218,760,204	\$218,760,204	\$218,760,204	\$218,760,204	\$218,760,204
17	Deemed Equity Portion of Rate Base	\$87,504,082	\$87,504,082	\$87,504,082	\$87,504,082	\$87,504,082	\$87,504,082
18	Income/(Equity Portion of Rate Base)	8.48%	9.36%	8.65%	9.36%	8.64%	9.30%
19	Target Return - Equity on Rate Base	9.36%	9.36%	9.36%	9.36%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-0.88%	0.00%	-0.71%	0.00%	-0.66%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	7.32% 7.68%	7.68% 7.68%	7.39% 7.68%	7.68% 7.68%	7.39% 7.66%	7.66% 7.66%
23	Deficiency/Sufficiency in Rate of Return	-0.35%	0.00%	-0.29%	0.00%	-0.26%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$8,190,382 \$772,464 \$1,050,972 <b>(1)</b>	\$8,190,382 \$ -	\$8,190,382 \$625,464 \$850,972 (1)	\$8,190,382 \$ -	\$8,137,880 \$576,178 \$783,915 <b>(1)</b>	\$8,137,880 \$ -

#### Notes: (1)

Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



#### **Revenue Requirement**

Line No.	Particulars	Application			Per Board Decision	_
1	OM&A Expenses	\$11,021,095		\$10,821,095	\$10,821,095	
2	Amortization/Depreciation	\$9,701,179		\$9,701,179	\$9,701,179	
3	Property Taxes	\$238,241		\$238,241	\$238,241	
5	Income Taxes (Grossed up)	\$2,115,398		\$2,115,398	\$2,096,469	
6	Other Expenses	\$ -		\$ -	\$	-
7	Return					
	Deemed Interest Expense	\$8,605,676		\$8,605,676	\$8,610,052	
	Return on Deemed Equity	\$8,190,382		\$8,190,382	\$8,137,880	
8	Service Revenue Requirement					
8	(before Revenues)	\$39,871,972		\$39,671,972	\$39,604,915	
	(bololo Novolidos)	Ψ00,071,072		ψου,στ1,στ2	ΨΟΟ,ΟΟΨ,ΟΙΟ	=
9	Revenue Offsets	\$ -		\$ -	\$	
10	Base Revenue Requirement	\$39,871,972		\$39,671,972	\$39,604,915	_
	(excluding Tranformer Owership Allowance credit adjustment)					_
11	Distribution revenue	\$39,782,072		\$39,582,072	\$39,515,015	
12	Other revenue	\$89,900		\$89,900	\$89,900	
	0.1101.10101.100					
13	Total revenue	\$39,871,972		\$39,671,972	\$39,604,915	
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u> </u>	(1)	\$-	(1)\$	·_ (1)
Notes (1)	Line 11 - Line 8					

### **APPENDIX A-1**

### **TO DECISION AND ORDER**

EB-2014-0238

**Great Lakes Power Transmission LP** 

DATED: December 18, 2014





Version 4.00

<b>Utility Name</b>		
Service Territory	Great Lakes Power Transmission	
Assigned EB Number	EB-2014-0238	
Name and Title	Scott Seabrook, Director of Administration	
Phone Number	(705) 759-7624	
Email Address	sseabrook@glp.ca	

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While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.



1. Info 6. Taxes PILs

2. Table of Contents 7. Cost of Capital

3. Data\_Input\_Sheet 8. Rev\_Def\_Suff

4. Rate\_Base 9. Rev\_Reqt

5. Utility Income

#### Notes:

(1) Pale green cells represent inputs

(2) Pale green boxes at the bottom of each page are for additional notes

(3) Pale yellow cells represent drop-down lists

(4) Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

(5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel



#### Data Input (1)

		Initial Application	(2)				(6)		Per Board Decision	
1	Rate Base Gross Fixed Assets (average) Accumulated Depreciation (average) Allowance for Working Capital:	\$259,531,046 (\$41,366,782)	(5)	\$ - \$ -	\$	259,531,046 (\$41,366,782)		\$ - \$ -	\$259,531,046 (\$41,366,782)	
	Controllable Expenses Cost of Power	\$11,331,876 \$ -		(\$210,000) \$ -	\$	11,121,876		\$ - \$ -	\$11,121,876 \$0	
	Working Capital Rate (%)	4.32%	(9)			4.40%	(9)		4.40%	(9)
2	Utility Income Operating Revenues:									
	Distribution Revenue at Current Rates Distribution Revenue at Proposed Rates Other Revenue:	\$38,731,100 \$40,230,644		\$0 (\$210,000)		\$38,731,100 \$40,020,644		\$0 \$0	\$38,731,100 \$40,020,644	
	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$ - \$ - \$ - \$89,900		\$0 \$0 \$0 \$0		\$ - \$ - \$ - \$89,900		\$0 \$0 \$0 \$0	\$ - \$ - \$ - \$89,900	
	Total Revenue Offsets	\$ -	(7)	\$0		\$ -		\$0	\$-	
	Operating Expenses:		(-)							
	OM+A Expenses Omy-A Expenses Depreciation/Amortization Property taxes Other expenses	\$11,331,876 \$9,771,327 \$240,424 \$-		(\$210,000) \$ - \$ - \$ -	\$ \$	11,121,876 9,771,327 240,424 0		\$ - \$ - \$ - \$ -	\$11,121,876 \$9,771,327 \$240,424 \$0	
3	Taxes/PILs	,							**	
3	Taxable Income:									
	Adjustments required to arrive at taxable income	(\$2,115,011)	(3)			(\$2,115,011)			(\$2,115,011)	
	Utility Income Taxes and Rates: Income taxes (not grossed up)	\$1,608,920				\$1,608,920			\$1,608,920	
	Income taxes (grossed up)	\$2,189,007				\$2,189,007			\$2,189,007	
	Federal tax (%) Provincial tax (%) Income Tax Credits	15.00% 11.50% \$ -				15.00% 11.50% \$ -			15.00% 11.50% \$ -	
4	Capitalization/Cost of Capital Capital Structure:									
	Capital Structure: Long-term debt Capitalization Ratio (%) Short-term debt Capitalization Ratio (%) Common Equity Capitalization Ratio (%) Prefered Shares Capitalization Ratio (%)	56.0% 4.0% 40.0%	(8)			56.0% 4.0% 40.0%	(8)		56.0% 4.0% 40.0% 100.0%	(8)
	Cost of Capital Long-term debt Cost Rate (%) Short-term debt Cost Rate (%) Common Equity Cost Rate (%) Prefered Shares Cost Rate (%)	6.87% 2.11% 9.36%				6.87% 2.11% 9.36%			6.87% 2.11% 9.36%	

#### Notes:

Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets General 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use colimn M and Adjustments in column I
- Net of addbacks and deductions to arrive at taxable income.

- (2) (3) (4) (5) (6) Average of Gross Fixed Assets at beginning and end of the Test Year
  Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.

  Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.

- Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
  4.0% unless an Applicant has proposed or been approved for another amount.
  Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale



#### Rate Base and Working Capital

#### Rate Base

	Nate Dase						
Line No.	Particulars	_	Initial Application				Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$259,531,046	\$ -	\$259,531,046	\$ -	\$259,531,046
2	Accumulated Depreciation (average)	(3)	(\$41,366,782)	\$ -	(\$41,366,782)	\$ -	(\$41,366,782)
3	Net Fixed Assets (average)	(3)	\$218,164,264	\$ -	\$218,164,264	\$ -	\$218,164,264
4	Allowance for Working Capital	(1)	\$489,809	(\$0)	\$489,809	\$ -	\$489,809
5	Total Rate Base	_	\$218,654,073	(\$0)	\$218,654,073	\$	\$218,654,073

#### (1) Allowance for Working Capital - Derivation

Controllable Expenses Cost of Power Working Capital Base		\$11,331,876 \$ - \$11,331,876	(\$210,000)	\$11,121,876 \$- \$11,121,876	\$ - \$ - \$ -	\$11,121,876 \$- \$11,121,876
Working Capital Rate %	(2)	4.32%	0.08%	4.40%	0.00%	4.40%
Working Capital Allowance		\$489,809	(\$0)	\$489,809	\$ -	\$489,809

#### Notes (2)

10

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.

Average of opening and closing balances for the year.



#### **Utility Income**

Line No.	Particulars	Initial Application				Per Board Decision
	Operating Revenues:					
1	Distribution Revenue (at Proposed Rates)	\$40,230,644	(\$210,000)	\$40,020,644	\$ -	\$40,020,644
2	Other Revenue	(1)\$89,900	\$-	\$89,900	\$ -	\$89,900
3	Total Operating Revenues	\$40,320,544	(\$210,000)	\$40,110,544	\$ -	\$40,110,544
	Operating Expenses:					
4	OM+A Expenses	\$11,331,876	(\$210,000)	\$11,121,876	\$ -	\$11,121,876
5	Depreciation/Amortization	\$9,771,327	\$-	\$9,771,327	\$ -	\$9,771,327
6	Property taxes	\$240,424	\$ -	\$240,424	\$ -	\$240,424
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	<u> </u>	<u>\$-</u>	<u> </u>	<u> </u>	\$ -
9	Subtotal (lines 4 to 8)	\$21,343,627	(\$210,000)	\$21,133,627	\$ -	\$21,133,627
10	Deemed Interest Expense	\$8,601,501	(\$0)	\$8,601,501	<u>    \$ -</u>	\$8,601,501
11	Total Expenses (lines 9 to 10)	\$29,945,128	(\$210,000)	\$29,735,128	\$ -	\$29,735,128
12	Utility income before income					
12	taxes	\$10,375,416	(\$0)	\$10,375,416	\$ -	\$10,375,416
13	Income taxes (grossed-up)	\$2,189,007	\$-	\$2,189,007	\$ -	\$2,189,007
14	Utility net income	\$8,186,408	(\$0)	\$8,186,408	<u>    \$ -</u>	\$8,186,408
Notes	Other Revenues / Reve	enue Offsets				
(1)	Specific Service Charges	\$ -	\$ -	\$ -	\$ -	\$ -
(')	Late Payment Charges	\$ -	\$ -	\$ -	\$ -	\$ -
	Other Distribution Revenue	\$ -	\$-	\$ -	\$ -	\$ -
	Other Income and Deductions		\$ -	\$89,900	\$-	\$89,900
	Total Revenue Offsets	\$89,900	<u>\$-</u>	\$89,900	<u>\$-</u>	\$89,900



#### Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	<u>Determination of Taxable Income</u>			
1	Utility net income before taxes	\$8,186,408	\$8,186,408	\$8,186,408
2	Adjustments required to arrive at taxable utility income	(\$2,115,011)	(\$2,115,011)	(\$2,115,011)
3	Taxable income	\$6,071,397	\$6,071,397	\$6,071,397
	Calculation of Utility income Taxes			
4	Income taxes	\$1,608,920	\$1,608,920	\$1,608,920
6	Total taxes	\$1,608,920	\$1,608,920	\$1,608,920
7	Gross-up of Income Taxes	\$580,087	\$580,087	\$580,087
8	Grossed-up Income Taxes	\$2,189,007	\$2,189,007	\$2,189,007
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$2,189,007	\$2,189,007	\$2,189,007
10	Other tax Credits	\$ -	\$ -	\$ -
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

#### Notes



#### Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial A	Application		
	Debt	(%)	(\$)	(%)	(\$)
1	Long-term Debt	56.00%	\$122,446,281	6.87%	\$8,416,957
2	Short-term Debt	4.00%	\$8,746,163	2.11%	\$184,544
3	Total Debt	60.00%	\$131,192,444	6.56%	\$8,601,501
	Equity				
4	Common Equity	40.00%	\$87,461,629	9.36%	\$8,186,408
5 6	Preferred Shares Total Equity	0.00% 40.00%	<u>\$ -</u> \$87.461.629	9.36%	\$ - \$8,186,408
U	Total Equity	40.00 %	\$67,401,029	9.30 //	\$0,100,400
7	Total	100.00%	\$218,654,073	7.68%	\$16,787,910
		(%)	(\$)	(%)	(\$)
	Debt		*		
1 2	Long-term Debt	56.00% 4.00%	\$122,446,281	6.87%	\$8,416,957
3	Short-term Debt Total Debt	60.00%	\$8,746,163 \$131,192,444	2.11% 6.56%	\$184,544 \$8,601,501
J	Total Debt	00.0070	ψ131,132, <del>111</del>	0.0070	ψο,σσ1,σσ1
	Equity				
4 5	Common Equity Preferred Shares	40.00% 0.00%	\$87,461,629 \$ -	9.36% 0.00%	\$8,186,408 \$ -
6	Total Equity	40.00%	\$87,461,629	9.36%	\$8,186,408
7	Total	100.00%	\$218,654,073	7.68%	\$16,787,910
		Per Roa	rd Decision		
		1 01 200	Tu Doolololi		
	<b></b>	(%)	(\$)	(%)	(\$)
8	Debt Long-term Debt	56.00%	\$122,446,281	6.87%	\$8,416,957
9	Short-term Debt	4.00%	\$8,746,163	2.11%	\$184,544
10	Total Debt	60.00%	\$131,192,444	6.56%	\$8,601,501
	Equity				
11	Common Equity	40.00%	\$87,461,629	9.36%	\$8,186,408
12	Preferred Shares	0.00%	\$-	0.00%	\$ -
13	Total Equity	40.00%	\$87,461,629	9.36%	\$8,186,408
14	Total	100.00%	\$218,654,073	7.68%	\$16,787,910

#### Notes (1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use colimn M and Adjustments in column I



#### Revenue Deficiency/Sufficiency

Initial	Application	

Per Board Decision

		miliai Application						
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$38,731,100 \$89,900	\$1,499,544 \$38,731,100 \$89,900	\$38,731,100 \$89,900	\$1,289,544 \$38,731,100 \$89,900	\$38,731,100 \$89,900	\$1,289,544 \$38,731,100 \$89,900	
4	Total Revenue	\$38,821,000	\$40,320,544	\$38,821,000	\$40,110,544	\$38,821,000	\$40,110,544	
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$21,343,627 \$8,601,501 \$29,945,128	\$21,343,627 \$8,601,501 \$29,945,128	\$21,133,627 \$8,601,501 \$29,735,128	\$21,133,627 \$8,601,501 \$29,735,128	\$21,133,627 \$8,601,501 \$29,735,128	\$21,133,627 \$8,601,501 \$29,735,128	
9	Utility Income Before Income Taxes	\$8,875,872	\$10,375,416	\$9,085,872	\$10,375,416	\$9,085,872	\$10,375,416	
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$2,115,011)	(\$2,115,011)	(\$2,115,011)	(\$2,115,011)	(\$2,115,011)	(\$2,115,011)	
11	Taxable Income	\$6,760,861	\$8,260,405	\$6,970,861	\$8,260,405	\$6,970,861	\$8,260,405	
12 13	Income Tax Rate	26.50% \$1,791,628	26.50% \$2,189,007	26.50% \$1,847,278	26.50% \$2,189,007	26.50% \$1,847,278	26.50% \$2,189,007	
44	Income Tax on Taxable Income	•			•	•	•	
14 15	Income Tax Credits Utility Net Income	\$ - \$7,084,244	\$ - \$8,186,408	\$ - \$7,238,594	\$ - \$8,186,408	\$ - \$7,238,594	\$ - \$8,186,408	
16	Utility Rate Base	\$218,654,073	\$218,654,073	\$218,654,073	\$218,654,073	\$218,654,073	\$218,654,073	
17	Deemed Equity Portion of Rate Base	\$87,461,629	\$87,461,629	\$87,461,629	\$87,461,629	\$87,461,629	\$87,461,629	
18	Income/(Equity Portion of Rate Base)	8.10%	9.36%	8.28%	9.36%	8.28%	9.36%	
19	Target Return - Equity on Rate Base	9.36%	9.36%	9.36%	9.36%	9.36%	9.36%	
20	Deficiency/Sufficiency in Return on Equity	-1.26%	0.00%	-1.08%	0.00%	-1.08%	0.00%	
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	7.17% 7.68%	7.68% 7.68%	7.24% 7.68%	7.68% 7.68%	7.24% 7.68%	7.68% 7.68%	
23	Deficiency/Sufficiency in Rate of Return	-0.50%	0.00%	-0.43%	0.00%	-0.43%	0.00%	
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$8,186,408 \$1,102,165 \$1,499,544 <b>(1)</b>	\$8,186,408 \$ -	\$8,186,408 \$947,815 \$1,289,544 <b>(1)</b>	\$8,186,408 \$ -	\$8,186,408 \$947,815 \$1,289,544 <b>(1)</b>	\$8,186,408 \$ -	

#### Notes: (1)

Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



#### **Revenue Requirement**

Line No.	Particulars	Application				Per Board Decision
1	OM&A Expenses	\$11,331,876		\$11,121,876		\$11,121,876
2	Amortization/Depreciation	\$9,771,327		\$9,771,327		\$9,771,327
3	Property Taxes	\$240,424		\$240,424		\$240,424
5	Income Taxes (Grossed up)	\$2,189,007		\$2,189,007		\$2,189,007
6	Other Expenses	\$-		\$ -		\$ -
7	Return					
	Deemed Interest Expense	\$8,601,501		\$8,601,501		\$8,601,501
	Return on Deemed Equity	\$8,186,408		\$8,186,408		\$8,186,408
8	Service Revenue Requirement					
Ü	(before Revenues)	\$40,320,544		\$40,110,544		\$40,110,544
9	Revenue Offsets	\$ -		\$ -		\$ -
10	Base Revenue Requirement	\$40,320,544		\$40,110,544		\$40,110,544
10	(excluding Tranformer Owership Allowance credit adjustment)	φτο,020,044		φτο, 110,044		Ψτο, 110,044
11	Distribution revenue	\$40,230,644		\$40,020,644		\$40,020,644
12	Other revenue	\$89,900		\$89,900		\$89,900
13	Total revenue	\$40,320,544		\$40,110,544		\$40,110,544
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u> </u>	(1)	<u> </u>	(1)	<u>\$-</u> (1)
Notes (1)	Line 11 - Line 8					

### **APPENDIX B**

### **TO DECISION AND ORDER**

EB-2014-0238

**Great Lakes Power Transmission LP** 

DATED: December 18, 2014

## Appendix B

## Deferral and Variance Account balances for the year ending December 31, 2014

(\$'s)		
Account		Balance for
Number	Account Description	Disbursal
1595	Three Year Liability Amount (1 Yr Remaining)	(\$699,363)
1508	Legal Claim (Comstock)	2,354,305
1508	IFRS Gains and Losses (2013-2014)	634,138
1508	EWT Variance	451,345
1508	EWT Support Costs	56,967
1575	IFRS-CGAAP Transitional PP&E Amounts	(433,945)
	Total Deferral Accounts	\$2,363,448

Account			Annual
Number	Account Description	<b>Total Disbursal</b>	Disbursal
1595	Three Year Asset Disbursement	\$2,797,393	\$932,464
1575	Three Year Transitional PP&E Disbursement	(433,945)	(144,648)
	Total Disbursement	\$2,363,448	\$787,816
		'	

### **APPENDIX C**

### **TO DECISION AND ORDER**

EB-2014-0238

**Great Lakes Power Transmission LP** 

DATED: December 18, 2014

## Revenue Requirement and Charge Determinant Volumes

Rates- Revenue Requirement for UTR effective Jan 1 2015					
Approved 2015 revenue requirement	А	\$39,515,015			
Add D&VA annual disposition	В	\$787,816			
2015 Rates- Revenue Requirement	C = A+B	\$40,302,831			

2015 Rates- Revenue Requirement allocated to transmission pools							
		Line	Transformation				
	Network	Connection	Connection	Total			
2015	\$24,611,934	\$5,106,199	\$10,584,698	\$40,302,831			

Approved Charge Determinant (MW)			
		Line	Transformation
	Network	Connection	Connection
2015	3,489.236	2,725.624	626.252
2016	3,498.236	2,734.624	635.252

### **APPENDIX D**

### **TO DECISION AND ORDER**

EB-2014-0238

**Great Lakes Power Transmission LP** 

DATED: December 18, 2014

#### **ACCOUNTING ORDER**

Great Lakes Power Transmission LP ("GLPT") shall establish the following variance accounts effective as of January 1, 2015:

## 1 - Sub-account "In-service Addition Net Cumulative Asymmetrical Variance Account" within Account 1508 - Other Regulatory Assets

Purpose: To record the revenue requirement impact associated with the net difference

between the forecasted and in-service additions for 2015 and 2016, in the event that total cumulative actual in-service additions are lower than total cumulative approved in-service additions for the 2015 and 2016 test years.

#### 2 - Sub-account "2015 Revenue Deficiencies" within Account 1574

Purpose: To record revenue deficiencies incurred from January 1, 2015 until GLPT's

proposed 2015 rates are implemented, if necessary.

#### 3 - Sub-account "2016 Revenue Deficiencies" within Account 1574

Purpose: To record revenue deficiencies incurred from January 1, 2016 until GLPT's

proposed 2016 rates are implemented, if necessary.

Attachment A provides details on the proposed accounting entries for the above accounts.

#### Attachment A - Accounting Entries:

# 1 - Sub-account "In-service Addition Net Cumulative Asymmetrical Variance Account" within Account 1508 – Other Regulatory Assets

Dr: 4110 Transmission Services Revenue

Cr: 1508 Other Regulatory Assets – Sub account "In-service Addition Net

Cumulative Asymmetrical Variance Account"

To record the revenue requirement impact associated with the net difference between the forecasted and in-service additions for 2015 and 2016, in the event that total cumulative actual in-service additions are lower than total cumulative approved in-service additions for the 2015 and 2016 test years.

Dr: 6035 Other Interest Expense

Cr: 1508 Other Regulatory Assets – Sub account "In-service Addition Net

Cumulative Asymmetrical Variance Account"

To record interest on the principal balance of the "In-service Addition Net Cumulative Asymmetrical Variance Account".

#### 2 - Sub-account "2015 Revenue Deficiencies" within Account 1574

Dr: 1574 Sub-account "2015 Revenue Deficiencies"

Cr: 4110 Transmission Services Revenue

To record revenue deficiencies incurred from January 1, 2015 until GLPT's proposed 2015 rates are implemented.

Dr: 1574 Sub-account "2015 Revenue Deficiencies"

Cr: 6035 Other Interest Expense

To record interest on the principal balance of the "2015 Revenue Deficiencies" account.

#### 3 - Sub-account "2016 Revenue Deficiencies" within Account 1574

Dr: 1574 Sub-account "2016 Revenue Deficiencies"

Cr: 4110 Transmission Services Revenue

To record revenue deficiencies incurred from January 1, 2016 until GLPT's proposed 2016 rates are implemented.

Dr: 1574 Sub-account "2016 Revenue Deficiencies"

Cr: 6035 Other Interest Expense

To record interest on the principal balance of the "2016 Revenue Deficiencies" account.