

December 13, 2016

**BY COURIER (2 COPIES) AND RESS**

**Ms. Kirsten Walli**

Board Secretary

Ontario Energy Board

2300 Yonge Street, Suite 2700, P.O. Box 2319

Toronto, Ontario M4P 1E4

Dear Ms. Walli:

**Re: EB-2016-0160 – Hydro One Networks Inc. Transmission (“Hydro One”) – Cost of Service Beginning January 1, 2017 and 2018**

I am writing further to the commitment I made on the record on December 1, 2016 to file information from the Independent Electricity System Operator regarding the transmission system losses in 2015 associated with the Net Energy Market Settlement Uplift (see transcript volume 5, pg. 60).

The information I received from the IESO is attached.

Yours truly,



Kent Elson

cc: The parties in EB-2016-0160

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## System-wide Transmission Loss Volumes

1 message

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**Hanna Smith** <Hanna.Smith@ieso.ca>  
To: "kent.elson@klippensteins.ca" <kent.elson@klippensteins.ca>  
Cc: Adrian Pye <Adrian.Pye@ieso.ca>

Tue, Dec 6, 2016 at 9:09 AM

Hello Kent,

Provided below are the monthly aggregates of the volumes (in MWh) attributed to system-wide transmission losses as settled through the Net Energy Market Settlement Uplift (charge code 150) for 2015 and 2016 until October 1.

For ease of reference, here is an explanation of the transmission losses-related component of charge code 150 that was provided in earlier correspondence:

*The Net Energy Market Settlement Uplift (charge code 150) covers differences between the amount paid to suppliers for the commodity and the amount paid by buyers in a given hour. The loss component of charge code 150 is essentially the difference between system-wide AQEI (allocated quantity of energy injected at defined metering points), AQEW (allocated quantity of energy withdrawn at defined metering points), SQEW (scheduled quantity of exports withdrawn at defined intertie metering points) and SQEI (scheduled quantities of energy injected at defined intertie metering points) quantities at the **5-minute Energy Market Reference Price** for each metering interval in the settlement hour. The hourly Ontario energy price (HOEP) is the hourly average of the 5-minute market price.*

Best regards,

Hanna

**Hanna Smith** | Senior Regulatory Analyst | Planning, Legal, Indigenous Relations and Regulatory Affairs

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<b>Delivery Date Year</b>	<b>Delivery Date Month</b>	<b>Loss (MWh)</b>
2015	Jan	279,011.910
	Feb	236,343.368
	Mar	237,359.064
	Apr	211,546.987
	May	226,319.831
	Jun	217,196.214
	Jul	226,176.322
	Aug	226,618.597
	Sep	208,979.877
	Oct	202,045.641
	Nov	245,848.153
	Dec	265,614.899
2016	Jan	274,856.190
	Feb	233,348.396
	Mar	239,549.858
	Apr	193,227.243
	May	187,541.007
	Jun	204,711.128
	Jul	217,661.966
	Aug	285,726.740
	Sep	274,865.704

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