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December 8, 2016

VIA RESS AND COURIER

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

Dear Ms. Walli:

RE: EB-2016-0160 Hydro One Networks Inc. ("Hydro One") Transmission Rates Application – Responses to Undertakings J6.2, J7.1, and J7.4

Hydro One's responses to Undertakings J6.2, J7.1, and J7.4 are enclosed.

Yours truly,

McCarthy Tétrault LLP

Per:

For: Gordon M. Nettleton

GMN

Filed: 2016-12-08 EB-2016-0160 Exhibit J6.2 Page 1 of 1

UNDERTAKING – J6.2

Undertaking

To explain why in 2015 there was a large increase from 2014 for the multi-circuit equipment failure contributions to SAIDI and SAIFI.

8 Reference: IR: I-03-021

Response

The increase in SAIDI and SAIFI in 2015 was attributed to interruptions caused by three types of defective equipment. There were ten interruptions caused by defective surge arresters, seven interruptions caused by defective busses and fifteen interruptions due to breaker issues in 2015. There were no outages in 2014 that resulted from either defective surge arresters or busses, and only four interruptions due to breakers. There were eleven more interruptions caused by defective breakers in 2015 than in 2014. The twenty-eight additional interruptions from surge arrestors, busses and breakers accounted for the increase in equipment failures contribution to both the SAIDI (duration of interruptions) and SAIFI (frequency of interruptions) in 2015.

Witness: Scott McLachlan

Filed: 2016-12-08 EB-2016-0160 Exhibit J7.1 Page 1 of 1

<u>UNDERTAKING – J7.1</u>

1 2 3

Undertaking

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To advise the date of the latest asset condition assessment

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Response

The last third party asset assessment was performed by Hatch Acres in 2008.

Witness: Chong Kiat Ng

Filed: 2016-12-08 EB-2016-0160 Exhibit J7.4 Page 1 of 1

UNDERTAKING – J7.4

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Undertaking

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To advise the percentage and number of momentary interruptions and the number of sustained interruptions, for the period 2011 to 2015; or to indicate that the question has been previously answered

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Response

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The table below shows the annual number of momentary and sustained interruptions and total interruption hours for the Hydro One transmission system for the period of 2011 to 2015 inclusive.

13 14 15

2011 to 2015 Annual SAIFI for Hyro One

Year	2011	2012	2013	2014	2015
Number of momentary Interruptions	523	580	618	428	450
Number of sustained Interruptions	530	544	512	538	525
Total interruption hours	1,873	1,064	973	551	658

16

Witness: Scott McLachlan