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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 J2.03, J2.04, J2.05 and J2.06

Hydro One's responses to Undertakings J2.03, J2.04, J2.05 and J2.06 are enclosed.

Yours truly,

McCarthy Tétrault LLP
Per:

Gordon M. Nettleton
GMN

UNDERTAKING – J2.3

Undertaking

To provide some semblance of benchmarking for northern Ontario, whether there would be peers, also to look at whether Hydro-Québec would be an appropriate peer for that measure.

Response

Possible relevant peers for the transmission system in northern Ontario include Hydro-Québec/TransEnegie, Manitoba Hydro, and BC Hydro. All three of these Transmitters have systems similar to Hydro One's northern transmission system: large generation; transmission over long distances; service to distant and remote communities. However, a study consisting of such a limited sample group would not be considered statistically significant. The Canadian Electricity Association (CEA) has indicated that there is no plan to perform this type of benchmarking.

UNDERTAKING – J2.4

Undertaking

To find out what the targets have been historically for the transmission system against the metric

Response

Table 1 provides the definitions of the year-over-year quartiles for T-SAIDI-multi-circuit performance among CEA peer group. To achieve first quartile status, a transmitter must have an annual SAIDI that is less than the measure shown. Each year, Hydro One's target has been to demonstrate first quartile performance.

Table 1: CEA T-SAIDI-MC Quartile Definitions (2006-2015)

YEAR	2006	2007	2008	2009	2010	2011	[1]2012	2013	2014	2015	2006-10 Average	2011-15 Average
First Quartile	25.02	23.27	12.40	13.54	18.90	13.48	3.39	11.85	10.60	13.32	18.62	10.53
Second Quartile	32.51	30.99	24.42	32.68	36.04	37.70	9.82	23.07	15.43	24.21	31.33	22.05
Third Quartile	44.17	47.99	39.58	43.67	43.98	106.44	41.52	62.83	27.54	39.45	43.88	55.56

Table 2 illustrates Hydro One's actual annual results and quartile status.

Table 2: Hydro One's Relative T-SAIDI-MC Performance (2006-2015)

YEAR	2006	2007	2008	2009	2010	2011	[1]2012	2013	2014	2015	2006-10 Average	2011-15 Average
H1	25.41	5.02	7.16	20.21	9.08	8.88	6.76	12.88	11.64	10.37	13.38	10.11
H1 Status	second quartile	first quartile	first quartile	second quartile	first quartile	first quartile	second quartile	second quartile	second quartile	first quartile	first quartile	first quartile

[1]The 2012 quartile results for first quartile are very low as one peer group reported having experienced only two interruptions with a total of eight minutes of duration to the CEA.

UNDERTAKING – J2.5

Undertaking

To confirm if, in the last ten years, hydro one has met their top-quartile reliability target

Response

Refer to the response in Exhibit J2.4, Table 2.

UNDERTAKING – J2.6

Undertaking

To advise whether there were some indicators used to determine an estimate of outcome.

Response

Please see the response provided by Michael Penstone in EB-2016-0160, Transcript, Vol. 2, pages 131 to 132.