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via RESS e-filing – signed original to follow by courier

Ms. Kirsten Walli

Board Secretary

Ontario Energy Board

PO Box 2319

2300 Yonge Street, 27th floor

Toronto, ON M4P 1E4

Dear Ms. Walli:

**Re: Toronto Hydro-Electric System Limited (“THESL”)
OEB File No. EB-2012-0064
Responses to Undertakings on Oral Hearings on Bremner**

THESL writes in respect of the above-noted proceeding.

Enclosed are THESL’s written responses to the Bremner Oral Hearing Undertakings J6.4 and J6.5 received on February 19, 2013 and J7.3 received February 20, 2013. THESL’s response to Undertaking J7.1 was provided during the Oral Hearings (please see Transcript Volume 7, page 83).

Please do not hesitate to contact me if you have any questions.

Yours truly,

[original signed by]

Amanda Klein

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:AK/RB/acc

cc: Fred Cass of Aird & Berlis LLP, Counsel for THESL, by electronic mail only
Intervenors of Record for EB-2012-0064 by electronic mail only

BREMNER ORAL HEARING UNDERTAKING RESPONSE INTERVENOR 12 – ENVIRONMENTAL DEFENCE

1 **UNDERTAKING NO. J6.4:**

2 **Reference(s):**

3

4 Provide a table indicating the amount of (a) conservation, (b) demand response, and
5 (c) distributed generation subtracted from the load forecast appearing in Figure 2, page 9
6 of the Navigant report, breaking out (a), (b) and (c) for each year of the table.

7

8 **RESPONSE:**

9 As background, and as explained in undertaking response J6.3, THESL notes that the
10 forecast shown in Figure 2 on page 9 of the Navigant report is based on THESL's 2011
11 Load Forecast. A more up-to-date version of this forecast, based on THESL's 2012 load
12 forecast, is provided in Figure 5 of the updated Bremner TS project evidence (Tab 4,
13 Schedule B17, page 11).

14

15 It is worth noting that the referenced forecast begins with THESL's 2011 actual loads,
16 which would include savings from CDM, demand response and distributed generation.
17 Since 2012 and beyond were forecast based on 2011 actuals, the same types of CDM
18 savings are accounted for in the forecast loads beyond 2012.

19

20 Based on the updated forecast and subject to the assumptions listed in the following
21 section, the table below indicates the amount of conservation, demand response and
22 distributed generation subtracted from the load forecast indicated from 2012 to 2030.

BREMNER ORAL HEARING UNDERTAKING RESPONSE INTERVENOR 12 – ENVIRONMENTAL DEFENCE

1 **Assumptions**

2 In order to prepare the requested table in the short time available, THESL was required to
3 make a number of significant assumptions. Consequently, parties should be extremely
4 cautious in drawing conclusions based on this response. The following table is based on
5 assumptions and extrapolations from other data:

6

- 7 • Net load forecast includes the area growth offset by the realized CDM, DR
8 and DG contributions over the past five years;
- 9 • 2011 actuals provided for peak coincident CDM, DR and DG in the area
10 served by the five downtown transformer stations;
- 11 • 2011 actuals for CDM and DR are based on 2011 THESL OPA report for the
12 entire system, but scaled for that area;
- 13 • Potential contributions from CDM and DR are included for years 2012-2030
14 based on following the same trend as the net load forecast referenced above;
- 15 • CDM and DR contributions are dependent on program funding which does
16 not currently exist beyond the year 2014 and are therefore speculative;
- 17 • Potential contributions from DG are included for years 2012-2017 based on
18 technical potential; and
- 19 • Potential contributions from DG are included for years 2018-2030 based on
20 following the same trend as the net load forecast above.

21

22 In addition, please note that potential contributions from DG are highly dependent on
23 external factors, including area/regional technical constraints, market energy prices,
24 emissions regulations, OPA generation contracts, public acceptance and market take-up.

**BREMNER ORAL HEARING UNDERTAKING RESPONSE
 INTERVENOR 12 – ENVIRONMENTAL DEFENCE**

1 **Table (in MVA):**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Net Load Forecast	1006	1004	1025	1052	1070	1091	1109	1136	1157	1181	1205	1229	1252	1278	1303	1329	1355	1385	1411	1440
CDM	5.52	5.51	5.62	5.77	5.87	5.99	6.09	6.23	6.35	6.48	6.61	6.74	6.87	7.01	7.15	7.29	7.43	7.60	7.74	7.90
DR	4.14	4.13	4.22	4.33	4.40	4.49	4.56	4.67	4.76	4.86	4.96	5.06	5.15	5.26	5.36	5.47	5.58	5.70	5.81	5.93
Distributed Generation (under 10 MW)	0.64	2.17	2.17	2.17	2.17	2.17	2.17	2.22	2.26	2.31	2.36	2.40	2.45	2.50	2.55	2.60	2.65	2.71	2.76	2.82
Gross	1016	1016	1037	1064	1082	1104	1122	1149	1170	1195	1219	1243	1266	1293	1318	1344	1371	1401	1427	1457

**BREMNER ORAL HEARING UNDERTAKING RESPONSE
INTERVENOR 12 – ENVIRONMENTAL DEFENCE**

1 **UNDERTAKING NO. J6.5:**

2 **Reference(s):**

3

4 Provide a table indicating the amount of (a) conservation, (b) demand response and
5 (c) distributed generation subtracted from the load forecast appearing in Table 4, page 10
6 of the Navigant report, per year.

7

8 Note any assumptions THESL makes in preparing its response to this undertaking.

9

10 **RESPONSE:**

11 Please refer to THESL's response to undertaking J6.4.

**BREMNER ORAL HEARING UNDERTAKING RESPONSE
INTERVENOR 10 – SCHOOL ENERGY COALITION**

1 **UNDERTAKING NO. J7.3:**

2 **Reference(s):**

3

4 Provide an explanation for the increase from 70MW to 89.8MW of unused capacity for
5 John TS from 2014 to 2015 in box #3 page 1 of Exhibit K7.2.

6

7 **RESPONSE:**

8 The increase in unused capacity is a result of load transfers from Windsor TS busses to
9 Bremner TS busses. Note that “unused capacity” in this specific context refers to the
10 transformation capacity, not the actual bus capacity available to THESL. The bus
11 capacity at Windsor TS would actually be reduced by 68MVA as A5-6WR is being
12 replaced.