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Enbridge Gas Distribution
500 Consumers Road
North York, Ontario M2J 1P8
Canada

July 22, 2015

VIA RESS, EMAIL and COURIER

Kirsten Walli
Board Secretary
Ontario Energy Board
2300 Yonge Street
Suite 2700
Toronto, ON M4P 1E4

Dear Ms. Walli,

**Re: Enbridge Gas Distribution Inc. (the “Company” or “Enbridge”)
Ontario Energy Board (the “Board”) File: EB-2015-0049
Multi-Year Demand Side Management Plan (2015 to 2020)
Updated Evidence and Corrected Interrogatories**

Enclosed please find the following exhibits:

- Exhibit A, Tab 2, Schedule 5, updated
- Exhibit B, Tab 2, Schedule 5, corrected, page 3
- Exhibit I.T5.EGDI.GEC.22, corrected, pages 2 and 3
- Exhibit I.T5.EGDI.SEC.12, corrected, page 3
- Exhibit I.T13.EGDI.BOMA.10, corrected

Below is a brief table that provides a synopsis of the updates and corrections that has been made.

Exhibit	Original	Revision
Exhibit A, Tab 2, Schedule 5	Curriculum Vitae	Additional witnesses Curriculum Vitae have been added.
Exhibit B, Tab 2, Schedule 5	Avoided Costs	2015 Avoided Gas Costs have been updated.
I.T5.EGDI.GEC.22	GEC Interrogatory #22	Historical units installed listed in b) i have been corrected.
I.T5.EGDI.SEC.12	SEC Interrogatory #12	Values regarding Commercial Savings by Design incentives have been corrected.
I.T13.EGDI.BOMA.10	BOMA Interrogatory#10	Total stakeholder costs in 2012 have been corrected.

July 22, 2015
Ms. Kirsten Walli
Page 2

The submission has been filed through the Board's Regulatory Electronic Submission System ("RESS") and will be available on the Company's website under the "Other Regulatory Proceedings" tab at www.enbridgegas.com/ratecase.

If you require further information, please contact the undersigned.

Yours truly,

(Original Signed)

Bonnie Jean Adams
Regulatory Coordinator

cc: Mr. Dennis O'Leary, Aird & Berlis
EB-2015-0049 Intervenors

CURRICULUM VITAE OF
RYAN SMALL

Experience: Enbridge Gas Distribution Inc.

Manager, Regulatory Accounting
2014

Senior Analyst, Regulatory Accounting
2006

Analyst, Regulatory Accounting
2004

Supervisor, Gas Cost Reporting
2001

Senior O&M Clerk
2000

Bank Reconciliation Clerk
1999

Accounting Trainee
1998

Education: Chartered Professional Accountant, Certified Management Accountant
Chartered Professional Accountants of Ontario, 2014
The Society of Management Accountants of Ontario, 2003

Diploma in Accounting,
Wilfrid Laurier University, 1997

Bachelor of Arts in Economics
The University of Western Ontario, 1996

Appearances: (Ontario Energy Board)

EB-2015-0122
EB-2014-0276
EB-2014-0195
EB-2012-0459
EB-2012-0055
EB-2011-0354
EB-2011-0008

CURRICULUM VITAE OF
PIRAPA THARMALINGAM

Experience: Enbridge Gas Distribution Inc.

 Lead, Business intelligence, 2013 - Present

 Advisor, Load Research, 2009-2013

 Sr. Analyst, Load Research, 2006- 2009

 Market Analyst, Economic and Market Analysis, 2004 – 2006

 Robert Greene Associates

 Investment Planning Analyst, 2003 - 2004

Education: Master of Arts – Applied Economics
 University of Waterloo, 2003

 Bachelor of Arts – Economics and Computer Science
 McMaster University, 2001

Memberships: Toronto Association of Business Economics 2003 – 2005
 Association of Edison Illuminating Companies, 2004 - 2013

Appearances: (None)

CURRICULUM VITAE OF
ANDREW WELBURN

- Experience: Enbridge Gas Distribution Inc.
Manager Gas Supply and Strategy
2014
- Manager Upstream Business Partners
2012
- Manager Contract Relationships
2008
- Manager Operations Performance Reporting
2006
- Manager Contract Support and Compliance
2001
- Manager Transactional Services Sales
2000
- Supervisor Gas Control
1997
- Leak Surveyor
1997
- Supervisor Pipeline Inspector
1994
- Operations Engineer
1994
- Load Research Technician
1992
- Education: Bachelor of Applied Science in Civil Engineering
University of Waterloo
- Memberships: Professional Engineer Ontario
Ontario Society of Professional Engineer

Appearances: (Ontario Energy Board)
EB-2015-0175
EB-2015-0122
EB-2014-0289

(National Energy Board)
MH-001-2013

CURRICULUM VITAE OF
TERRENCE JAMES WHITEHEAD

Experience: Enbridge Gas Distribution Inc.
Team Lead Commercial Programs, 2013
Manager, DSM Standards, 2007
Program Manager, Power Generation, 2002
Manager Distributed Energies Applications and Technology,
2001
Program Manager, Power Generation, 2000
Program Manager, Space Conditioning and Venting Programs
1995
Project Manager, Residential and Commercial Projects 1990
Triton Engineering Services Limited.
Senior Structural Engineer, 1989-1990
Fibrecrete International Inc.
Senior Engineer, 1988-1989
Dow Chemical Canada Inc.
Research Engineer, 1985-1988
Civil Design Engineer, 1980-1985

Education: Certified Energy Manager (CEM) 2008
Certified Measurement and Verification Professional (CMVP)
2010
Bachelor of Applied Sciences BASc
University of Waterloo, 1980

Memberships: American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE)

Professional Engineers of Ontario (PEO)

Association of Energy Engineers (AEE)

Canadian Standards Association (CSA) Technical Committee on Energy Efficiency and Related Performance of Fuel-Burning Appliances and Equipment (JB121)

Appearances: (None)

2015 Gas Avoided Costs												
Year	Water Heating			Space Heating			Combined Space & Water Heating			Industrial		
	Baseload (\$/m3)			Baseload (\$/m3)			Baseload (\$/m3)			Baseload (\$/m3)		
	Rate	NPV without Distribution Adder	NPV with Distribution Adder	Rate	NPV without Distribution Adder	NPV with Distribution Adder	Rate	NPV without Distribution Adder	NPV with Distribution Adder	Rate	NPV without Distribution Adder	NPV with Distribution Adder
1	0.1309	0.1309	0.00328	0.1342	0.1375	0.01206	0.1495	0.1365	0.01109	0.1476	0.1312	0.00345
2	0.1689	0.2933	0.00328	0.2966	0.1784	0.03090	0.3210	0.1767	0.3064	0.01109	0.3175	0.00345
3	0.1846	0.4640	0.00328	0.4673	0.1950	0.4893	0.01206	0.1931	0.4849	0.01109	0.4960	0.00345
4	0.1974	0.6594	0.00328	0.6427	0.2087	0.6748	0.01206	0.2066	0.6686	0.01109	0.6797	0.00345
5	0.2120	0.8207	0.00328	0.8239	0.2241	0.8664	0.01206	0.2219	0.8583	0.01109	0.8694	0.00345
6	0.2249	1.0055	0.00328	1.0088	0.2377	1.0617	0.01206	0.2353	1.0517	0.01109	1.0628	0.00345
7	0.2356	1.1916	0.00328	1.1949	0.2490	1.2585	0.01206	0.2465	1.2465	0.01109	1.2576	0.00345
8	0.2403	1.3742	0.00328	1.3775	0.2539	1.4515	0.01206	0.2514	1.4375	0.01109	1.4486	0.00345
9	0.2320	1.5437	0.00328	1.5470	0.2452	1.6306	0.01206	0.2427	1.6149	0.01109	1.6260	0.00345
10	0.2257	1.7023	0.00328	1.7056	0.2385	1.7982	0.01206	0.2362	1.7808	0.01109	1.7919	0.00345
11	0.2302	1.8578	0.00328	1.8611	0.2433	1.9626	0.01206	0.2409	1.9436	0.01109	1.9547	0.00345
12	0.2348	2.0103	0.00328	2.0136	0.2482	2.1238	0.01206	0.2457	2.1032	0.01109	2.1143	0.00345
13	0.2395	2.1599	0.00328	2.1632	0.2531	2.2819	0.01206	0.2506	2.2597	0.01109	2.2708	0.00345
14	0.2443	2.3066	0.00328	2.3099	0.2582	2.4369	0.01206	0.2556	2.4132	0.01109	2.4243	0.00345
15	0.2492	2.4505	0.00328	2.4537	0.2634	2.5890	0.01206	0.2607	2.5638	0.01109	2.5749	0.00345
16	0.2541	2.5916	0.00328	2.5949	0.2686	2.7382	0.01206	0.2660	2.7115	0.01109	2.7226	0.00345
17	0.2592	2.7300	0.00328	2.7333	0.2740	2.8845	0.01206	0.2713	2.8563	0.01109	2.8674	0.00345
18	0.2644	2.8657	0.00328	2.8690	0.2795	3.0280	0.01206	0.2767	2.9984	0.01109	3.0095	0.00345
19	0.2697	2.9989	0.00328	3.0021	0.2851	3.1687	0.01206	0.2822	3.1377	0.01109	3.1488	0.00345
20	0.2751	3.1294	0.00328	3.1327	0.2908	3.3067	0.01206	0.2879	3.2743	0.01109	3.2854	0.00345
21	0.2806	3.2575	0.00328	3.2608	0.2966	3.4420	0.01206	0.2936	3.4083	0.01109	3.4194	0.00345
22	0.2862	3.3831	0.00328	3.3864	0.3025	3.5748	0.01206	0.2995	3.5398	0.01109	3.5509	0.00345
23	0.2919	3.5063	0.00328	3.5096	0.3086	3.7050	0.01206	0.3055	3.6687	0.01109	3.6798	0.00345
24	0.2978	3.6271	0.00328	3.6304	0.3147	3.8327	0.01206	0.3116	3.7951	0.01109	3.8062	0.00345
25	0.3037	3.7456	0.00328	3.7489	0.3210	3.9579	0.01206	0.3178	3.9191	0.01109	3.9302	0.00345
26	0.3098	3.8618	0.00328	3.8651	0.3275	4.0808	0.01206	0.3242	4.0407	0.01109	4.0518	0.00345
27	0.3160	3.9758	0.00328	3.9790	0.3340	4.2012	0.01206	0.3307	4.1600	0.01109	4.1711	0.00345
28	0.3223	4.0875	0.00328	4.0908	0.3407	4.3194	0.01206	0.3373	4.2770	0.01109	4.2880	0.00345
29	0.3288	4.1972	0.00328	4.2005	0.3475	4.4353	0.01206	0.3440	4.3917	0.01109	4.4028	0.00345
30	0.3353	4.3047	0.00328	4.3080	0.3544	4.5489	0.01206	0.3509	4.5042	0.01109	4.5153	0.00345

The Nominal Inflation Rate used in the table is 2.0%
 The Discount factor used in the table is 4.0%

RESPONSE

- a. See chart below for the list of measures included in the Prescriptive Offer
- b. Results and forecast by measure
 - i. Number of Units rebated for 2012 – 2014

Prescriptive Measures	2012 Units	2013 Units	2014 Units
Air Doors 8x8*	1	2	1
Air Doors 8x10*	-	13	10
Air Doors 10x10*	12	3	19
Air Doors Single*	8	12	11
Air Doors Double*	38	23	15
Demand Control Kitchen Vent	7	24	15
Demand Control Kitchen Vent 2	14	30	42
Demand Control Kitchen Vent 3	5	7	8
Energy Star Dishwashers Undercounter type - High Temperature	23	27	72
Energy Star Dishwashers Undercounter type - Low Temperature ¹	-	-	-
Energy Star Fryers	156	149	181
Energy Star Convection Oven	-	2	3
Energy Star Stationary Rack - HT	82	70	105
Energy Star Stationary Rack - LT	116	175	194
Energy Star Steam Cookers	-	1	1
Rack Conveyor - Multi - HT	-	-	-
Rack Conveyor - Multi - LT ²	-	-	6
Rack conveyor - Single - HT	-	-	-
Rack conveyor - Single - LT ³	59	18	22
High Efficiency Under-Fired Broilers	1	2	-
Low-Flow Showerhead Rental for Savings Calculation	8,472	15,777	20,448
High Efficiency Boilers for School Boards - Elementary	28	6	18
High Efficiency Boilers for School Boards - Secondary	3	11	1
Tankless Water Heaters	3	-	-

Witnesses: R. Kennedy
 K. Mark
 F. Oliver-Glasford

Quasi Prescriptive Measures			
Demand Control Ventilation - Single Zone Retail ⁴	-	-	21
Demand Control Ventilation - Single Zone Offices ⁴	-	-	-
Condensing Boilers Up to 299 MBH, 90% AFUE or greater	46	59	28
High Efficiency Boilers Up to 299 MBH, 90%AFUE or greater	3	6	3
High Efficiency Boilers 300 to 599 MBH, 85% to 88% Thermal Efficiency	47	39	10
High Efficiency Boilers 600 to 999 MBH, 85% to 88% Thermal Efficiency	-	-	14
High Efficiency Boilers 1000 to 1500 MBH, 85% to 88% Thermal Efficiency	-	-	14
High Efficiency Boilers 1501 to 2,000 MBH, 85% to 88% Thermal Efficiency	-	-	19
Energy Recovery Ventilators - Offices, Warehouses* & Schools	24	55	12
Energy Recovery Ventilators - Hotels, Restaurants & Retail	-	-	8
Energy Recovery Ventilators - Multi-family, Healthcare & Long-Term Care	-	-	2
Heat Recovery Ventilators - Offices, Warehouses* & Schools	8	10	3
Heat Recovery Ventilators - Hotels, Restaurants & Retail	-	-	1
Heat Recovery Ventilators - Multi-family, Healthcare & Long-Term Care	-	-	1
Infrared Heaters - Single Stage up to 300,000 BTU*	739	401	524
Infrared Heaters - Two Stage up to 300,000 BTU*	-	-	92
Condensing Make-Up Air Units - Single speed up to 14,000 CFM, Multi-family & Long Term Care ⁵	-	-	1
Condensing Make-Up Air Units - Two speed up to 14,000 CFM, Multi-family & Long Term Care ⁵	-	-	2
Condensing Make-Up Air Units - Single speed up to 14,000 CFM, Other Sectors* ⁵	-	-	-
Condensing Make-Up Air Units - Two speed up to 14,000 CFM, Other Sectors* ⁵	-	-	1
Ozone Laundry System - minimum 100,000 lbs/yr	72	54	33

* Applicable to industrial customers for non-process, space-heating applications

¹ Energy Star Undercounter Low-Temp distinction not available until 2015

² Energy Star Rack Conveyor - Multi - Low-Temp distinction not available until 2015

³ Rack Conveyor - Single - Low-Temp distinction not available until 2015

⁴ 2014 was first year for prescriptive DCV

⁵ 2014 was first year for prescriptive Condensing MUA

Size of technology not specified until 2014

Witnesses: R. Kennedy
 K. Mark
 F. Oliver-Glasford

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Target	20	30	20	22	23	25
Budget for incentive payouts	\$1,619,000	\$2,050,000	\$2,300,000	\$2,250,000	\$2,295,000	\$2,315,000

Similarly, for the Company's Commercial SBD offer, there is a mismatch in the timing between when the IDP takes place and the customer makes a commitment to build, and when the build actually takes place which is when the incentive is paid out. Builders under the Commercial SBD offer have five years to complete eligible buildings.

The table below shows the SBD Commercial targets, Actual IDPs undertaken, and the number that have been paid an incentive, as well as the cumulative owing amount.

	<u>2012</u>	<u>2013</u>	<u>2014</u>
Target	8	8	12
Actual	9	12	19
Paid Out	0	0	0
Cumulative Payouts owed	9	21	40
Cumulative Payouts owed	\$ 440,000	\$ 1,155,000	\$ 2,200,000

The amounts associated with incentive payouts over the term of the framework are as follows:

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Target	18	30	15	20	21	28
Budget for incentive payouts	\$280,000	\$300,000	\$350,000	\$330,000	\$320,000	\$130,000 /c

Witnesses: S. Bertuzzi
 M. Lister
 F. Oliver-Glasford
 B. Ott

BOMA INTERROGATORY #10

INTERROGATORY

Topic 13 - Other

Ref: Exhibit B, Tab 1, Schedule 2, page 25/6 of 26.

Please confirm if Enbridge is using the term stakeholders to include intervenors but is not limited to intervenors. Does Enbridge compensate non-intervenors for their participation in its stakeholder processes? With respect to intervenor stakeholders, what was the annual cost for their participation in the DSM Consultative, the Audit Committee and the Technical Evaluation Committee from 2010 to 2014.

RESPONSE

Generally, throughout the multi-year plan, Enbridge has used the term stakeholders to include intervenors, however the reference is not intended to be limited to intervenors.

Enbridge has not as a general rule provided compensation to non-intervenors for their participation in stakeholder processes. However, the Company could see merit in doing so moving forward in the event that non-intervenor input is increasingly sought in formal settings, such as program design roundtables.

The table below outlines intervenor stakeholder costs for participation in the DSM Consultative, Audit Committee and the Technical Evaluation Committee from 2010 to 2014.

Year	Total
2010	\$ 111,389
2011	\$ 328,288
2012	\$ 372,184
2013	\$ 174,867
2014	\$ 202,057

/c

Witnesses: F. Oliver-Glasford
B. Ott
R. Sigurdson