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January 4, 2016

Ms. Kirsten Walli
Ontario Energy Board
PO Box 2319
27th Floor, 2300 Yonge Street
Toronto, Ontario M4P 1E4

**Re: 2016 COS Rates Application, Interrogatory Response Attachment IRR4-C
Board File No.: EB-2015-0061**

Dear Ms. Walli,

Please find attached a copy of Attachment IRR4-C referred to in the Interrogatory Responses filed December 18, 2015. This attachment was inadvertently exclude from the original filling.

If you have any further questions, please do not hesitate to contact me at (519) 352-6300 Ext 243 or via email at andrya.eagen@entegrus.com.

Regards,

[Original Signed By]

Andrya Eagen
Senior Regulatory Specialist
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cc: Stephen Vetsis, Ontario Energy Board
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David MacIntosh, Energy Probe
Wayne McNally, SEC Coordinator
Mark Rubenstein, Jay Shepherd Professional Corporation
Jay Shepherd, Jay Shepherd Professional Corporation
Michael Janigan, VECC Counsel
Mark Garner, Econalysis Consulting Services
Bill Harper, Econalysis Consulting Services

ATTACHMENT IRR4-C

LRAM Persistence Data

Initiative Results at End-User Level

Net Summer Peak Demand Savings (MW)

12/18/2015 9:30 AM

OPA Conservation & Demand Management Programs

Initiative Results at End-User Level

For: Middlesex Power Distribution Corporation

Net Energy Savings (MWh)

#	Initiative Name	Program Name	Program Year	Results Status	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	9	9	9	9	9	9	0	0	0	0	0	0	0	0
2	Cool & Hot Savings Rebate	Consumer	2006	Final	21	21	21	21	21	21	21	21	16	16	16	16	16	16
3	Every Kilowatt Counts	Consumer	2006	Final	548	548	548	548	71	71	71	71	71	71	66	66	66	66
4	Demand Response 1	Business, Industrial	2006	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Loblaw & York Region Demand Response	Business, Industrial	2006	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Great Refrigerator Roundup	Consumer	2007	Final	0	39	39	39	39	39	39	39	39	32	0	0	0	0
7	Cool & Hot Savings Rebate	Consumer	2007	Final	0	31	31	31	31	31	29	29	29	29	29	29	29	29
8	Every Kilowatt Counts	Consumer	2007	Final	0	185	182	182	182	182	176	176	176	14	14	3	3	3
9	peaksaver®	Consumer, Business	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Summer Savings	Consumer	2007	Final	0	244	41	16	16	16	16	16	16	10	10	10	10	10
11	Aboriginal	Consumer	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Affordable Housing Pilot	Consumer Low-Income	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Social Housing Pilot	Consumer Low-Income	2007	Final	0	17	17	17	17	17	17	17	17	17	17	0	0	0
14	Energy Efficiency Assistance for Houses Pilot	Consumer Low-Income	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Electricity Retrofit Incentive	Business	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Toronto Comprehensive	Business	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Demand Response 1	Business, Industrial	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Loblaw & York Region Demand Response	Business, Industrial	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Renewable Energy Standard Offer	Consumer, Business, Industrial	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Great Refrigerator Roundup	Consumer	2008	Final	0	0	44	44	44	44	44	44	44	44	35	0	0	0
21	Cool Savings Rebate	Consumer	2008	Final	0	0	33	33	33	33	33	33	33	33	33	33	33	33
22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	0	0	168	167	167	167	142	142	116	96	61	60	49	49
23	peaksaver®	Consumer, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Summer Sweepstakes	Consumer	2008	Final	0	0	14	5	5	5	5	5	5	5	3	3	2	2
25	Electricity Retrofit Incentive	Consumer, Business	2008	Final	0	0	2	2	2	2	2	2	2	2	2	2	2	2
26	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	High Performance New Construction	Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Power Savings Blitz	Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Demand Response 1	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Demand Response 3	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Loblaw & York Region Demand Response	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Renewable Energy Standard Offer	Consumer, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Other Customer Based Generation	Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	LDC Custom - Hydro One Networks Inc. - Double Return	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Great Refrigerator Roundup	Consumer	2009	Final	0	0	0	89	89	89	88	63	0	0	0	0	0	0
36	Cool Savings Rebate	Consumer	2009	Final	0	0	0	43	43	43	43	43	43	43	43	43	43	42
37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	0	0	0	75	72	72	72	72	69	55	55	35	35	25
38	peaksaver®	Consumer, Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Electricity Retrofit Incentive	Consumer, Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	High Performance New Construction	Business	2009	Final	0	0	0	14	14	14	14	14	14	14	14	14	14	14
42	Power Savings Blitz	Business	2009	Final	0	0	0	366	366	366	366	366	366	366	366	206	0	0
43	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Demand Response 1	Business, Industrial	2009	Final	0	0	0	12	0	0	0	0	0	0	0	0	0	0
45	Demand Response 2	Business, Industrial	2009	Final	0	0	0	117	0	0	0	0	0	0	0	0	0	0
46	Demand Response 3	Business, Industrial	2009	Final	0	0	0	2	0	0	0	0	0	0	0	0	0	0
47	Loblaw & York Region Demand Response	Business, Industrial	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	LDC Custom - Thunder Bay Hydro - Phantom Load	Consumer	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	LDC Custom - Toronto Hydro - Summer Challenge	Consumer	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	LDC Custom - PowerStream - Data Centers	Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Toronto Comprehensive Adjustment	Consumer, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	LDC Custom - Hydro One Networks Inc. - Double Return Adjustment	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Great Refrigerator Roundup	Consumer	2010	Final	0	0	0	0	83	83	83	83	65	0	0	0	0	0
54	Cool Savings Rebate	Consumer	2010	Final	0	0	0	0	66	66	66	66	66	66	66	66	66	66
55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	0	0	0	0	31	27	26	26	26	13	10	10	10	9
56	peaksaver®	Consumer, Business	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Electricity Retrofit Incentive	Consumer, Business	2010	Final	0	0	0	0	24	24	24	24	24	24	24	24	23	5
58	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	High Performance New Construction	Business	2010	Final	0	0	0	0	55	55	55	55	55	55	55	55	55	55
60	Power Savings Blitz	Business	2010	Final	0	0	0	0	427	427	427	427	427	427	427	288	0	0
61	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2010	Final	0	0	0	0	19	19	19	19	19	19	19	19	19	2
62	Demand Response 2	Business, Industrial	2010	Final	0	0	0	0	260	0	0	0	0	0	0	0	0	0
63	Demand Response 3	Business, Industrial	2010	Final	0	0	0	0	9	0	0	0	0	0	0	0	0	0
64	Loblaw & York Region Demand Response	Business, Industrial	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	LDC Custom - Hydro Ottawa - Small Commercial Demand Response	Consumer	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006 Subtotal					578	578	578	578	100	100	92	92	86	86	82	82	82	82
2007 Subtotal					0	515	310	285	285	285	277	277	277	102	70	42	42	42
2008 Subtotal					0	0	262	252	252	252	227	227	200	181	133	98	86	86
2009 Subtotal					0	0	0	718	584	584	583	557	491	477	477	298	92	81
2010 Subtotal					0	0	0	0	975	702	701	701	682	605	602	463	174	138
Overall Total					578	1,093	1,150	1,833	2,196	1,923	1,879	1,853	1,737	1,451	1,364	982	476	429

Initiative Results at End-User Level

Gross Summer Peak Demand Savings (MW)

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OPA Conservation & Demand Management Programs

Initiative Results at End-User Level

For: Middlesex Power Distribution Corporation

Gross Energy Savings (MWh)

#	Initiative Name	Program Name	Program Year	Results Status	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	10	10	10	10	10	10	0	0	0	0	0	0	0	0
2	Cool & Hot Savings Rebate	Consumer	2006	Final	27	27	27	27	27	27	27	27	21	21	21	21	21	21
3	Every Kilowatt Counts	Consumer	2006	Final	609	609	609	609	79	79	79	79	79	79	73	73	73	73
4	Demand Response 1	Business, Industrial	2006	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Loblaw & York Region Demand Response	Business, Industrial	2006	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Great Refrigerator Roundup	Consumer	2007	Final	0	96	96	96	96	96	96	96	96	80	0	0	0	0
7	Cool & Hot Savings Rebate	Consumer	2007	Final	0	61	61	61	61	61	51	51	51	51	51	51	51	51
8	Every Kilowatt Counts	Consumer	2007	Final	0	252	248	248	248	248	234	234	234	25	25	5	5	5
9	peaksaver®	Consumer, Business	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Summer Savings	Consumer	2007	Final	0	2,035	343	130	130	130	130	130	130	82	82	82	82	82
11	Aboriginal	Consumer	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Affordable Housing Pilot	Consumer Low-Income	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Social Housing Pilot	Consumer Low-Income	2007	Final	0	17	17	17	17	17	17	17	17	17	17	0	0	0
14	Energy Efficiency Assistance for Houses Pilot	Consumer Low-Income	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Electricity Retrofit Incentive	Business	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Toronto Comprehensive	Business	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Demand Response 1	Business, Industrial	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Loblaw & York Region Demand Response	Business, Industrial	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Renewable Energy Standard Offer	Consumer, Business, Industrial	2007	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Great Refrigerator Roundup	Consumer	2008	Final	0	0	81	81	81	81	81	81	81	81	63	0	0	0
21	Cool Savings Rebate	Consumer	2008	Final	0	0	58	58	58	58	58	58	58	58	58	58	58	58
22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	0	0	416	414	414	414	349	349	290	237	170	168	143	143
23	peaksaver®	Consumer, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Summer Sweepstakes	Consumer	2008	Final	0	0	19	7	7	7	7	7	7	7	4	4	3	3
25	Electricity Retrofit Incentive	Consumer, Business	2008	Final	0	0	3	3	3	3	3	3	3	3	3	3	3	3
26	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	High Performance New Construction	Business	2008	Final	0	0	1	1	1	1	1	1	1	1	1	1	1	1
28	Power Savings Blitz	Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Demand Response 1	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Demand Response 3	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Loblaw & York Region Demand Response	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Renewable Energy Standard Offer	Consumer, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Other Customer Based Generation	Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	LDC Custom - Hydro One Networks Inc. - Double Return	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Great Refrigerator Roundup	Consumer	2009	Final	0	0	0	167	167	167	165	115	0	0	0	0	0	0
36	Cool Savings Rebate	Consumer	2009	Final	0	0	0	101	101	101	101	101	101	101	101	101	101	100
37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	0	0	0	205	186	186	186	185	178	152	151	106	106	79
38	peaksaver®	Consumer, Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Electricity Retrofit Incentive	Consumer, Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	High Performance New Construction	Business	2009	Final	0	0	0	20	20	20	20	20	20	20	20	20	20	20
42	Power Savings Blitz	Business	2009	Final	0	0	0	385	385	385	385	385	385	385	385	217	0	0
43	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Demand Response 1	Business, Industrial	2009	Final	0	0	0	12	0	0	0	0	0	0	0	0	0	0
45	Demand Response 2	Business, Industrial	2009	Final	0	0	0	117	0	0	0	0	0	0	0	0	0	0
46	Demand Response 3	Business, Industrial	2009	Final	0	0	0	2	0	0	0	0	0	0	0	0	0	0
47	Loblaw & York Region Demand Response	Business, Industrial	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	LDC Custom - Thunder Bay Hydro - Phantom Load	Consumer	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	LDC Custom - Toronto Hydro - Summer Challenge	Consumer	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	LDC Custom - PowerStream - Data Centers	Business	2009	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Toronto Comprehensive Adjustment	Consumer, Business	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	LDC Custom - Hydro One Networks Inc. - Double Return Adjustment	Business, Industrial	2008	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Great Refrigerator Roundup	Consumer	2010	Final	0	0	0	0	156	156	156	156	120	0	0	0	0	0
54	Cool Savings Rebate	Consumer	2010	Final	0	0	0	0	155	155	155	155	155	155	155	155	155	155
55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	0	0	0	0	66	66	66	66	66	28	23	23	22	22
56	peaksaver®	Consumer, Business	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Electricity Retrofit Incentive	Consumer, Business	2010	Final	0	0	0	0	47	47	47	47	47	47	47	47	46	10
58	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	High Performance New Construction	Business	2010	Final	0	0	0	0	79	79	79	79	79	79	79	79	79	79
60	Power Savings Blitz	Business	2010	Final	0	0	0	0	431	431	431	431	431	431	431	291	0	0
61	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2010	Final	0	0	0	0	26	26	26	26	26	26	26	26	26	2
62	Demand Response 2	Business, Industrial	2010	Final	0	0	0	0	260	0	0	0	0	0	0	0	0	0
63	Demand Response 3	Business, Industrial	2010	Final	0	0	0	0	9	0	0	0	0	0	0	0	0	0
64	Loblaw & York Region Demand Response	Business, Industrial	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	LDC Custom - Hydro Ottawa - Small Commercial Demand Response	Consumer	2010	Final	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006 Subtotal					646	646	646	646	115	115	105	105	99	99	94	94	94	94
2007 Subtotal					0	2,461	764	551	551	551	528	528	528	256	176	138	138	138
2008 Subtotal					0	0	578	564	564	564	498	498	439	387	297	233	206	206
2009 Subtotal					0	0	0	1,010	859	859	857	806	684	657	657	444	227	199
2010 Subtotal					0	0	0	0	1,229	960	959	959	924	767	761	621	329	268
Overall Total					646	3,106	1,988	2,771	3,319	3,049	2,948	2,897	2,673	2,165	1,985	1,530	995	905

0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.03	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.11	0.10	0.04	0.04	0.03	0.03	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.10	0.10	0.07	0.07	0.07	0.07	0.07	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.28	0.26	0.17	0.14	0.12	0.12	0.10	0.09	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00

[illegible]

0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.20	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.04	0.04	0.04	0.04	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.16	0.16	0.08	0.08	0.07	0.07	0.07	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.17	0.17	0.17	0.13	0.13	0.13	0.13	0.13	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.59	0.42	0.31	0.27	0.25	0.24	0.21	0.19	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

[illegible]

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