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January 12, 2012

Vulnerable Energy Consumers Coalition (VECC)
c/o Public Interest Advocacy Centre
34 King Street East, Suite 1102
Toronto, Ontario
M5C 2X8

VIA EMAIL AND RESS

Attention: Mr. Michael Buonaguro, Counsel

Dear Mr. Buonaguro:

Re: May 1, 2012 IRM Rate Filing VECC Interrogatory Responses / EB-2011-0201

Pursuant to VECC's Interrogatories of December 13, 2011, Waterloo North Hydro Inc. (WNH) hereby submits its response to these interrogatories.

WNH has filed an electronic copy of this document via the Board's web portal RESS and couriered two copies of this document to the Board Office.

If there are any questions, please contact Chris Amos at 519-888-5541, camos@wnhydro.com or myself at 519-888-5542, asingh@wnhydro.com.

Yours truly,

Original Signed By

Albert P. Singh, MBA, CGA
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c/o Econalysis Consulting Services
34 King Street East, Suite 1102
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M5C 2X8

VIA EMAIL AND RESS

Attention: Ms. Shelley Grice, P. Eng.

Dear Ms. Grice:

Re: May 1, 2012 IRM Rate Filing VECC Interrogatory Responses / EB-2011-0201

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WATERLOO NORTH HYDRO INC.

INTERROGATORY RESPONSES TO

Information Requests of the Vulnerable Energy Consumers Coalition (VECC)

Waterloo North Hydro Inc. (WNH) has provided its Interrogatory Responses below.

Lost Revenue Adjustment Mechanism (LRAM)

VECC Question # 1

Reference: Summary of Application, 2.11 Lost Revenue Adjustment Mechanism (LRAM)

Preamble: Waterloo North seeks an LRAM claim of \$161,037 including carrying charges for energy savings in 2010 from 2006 to 2010 OPA CDM activities.

- a) ***Please confirm that the LRAM amounts Waterloo North Hydro is seeking to recover in this application are new amounts not included in past LRAM claims.***

The LRAM amounts in this application are new amounts that have not been included in past LRAM claims.

- b) **When was Waterloo North Hydro's load forecast last approved by the Board? Please discuss how any CDM savings have been accounted for in Waterloo North Hydro's approved load forecast.**

WNH's last load forecast was approved by the Board in its May 1, 2011 Cost of Service (COS) filing, EB-2010-0144.

WNH included in its 2011 approved load forecast a CDM savings of 5,366,065 kWh for 2010 and 6,625,000 for 2011. WNH notes, however, in its 2010 rates for which this LRAM claim relates to, no CDM savings were included.

c) ***Please provide the calculation of the carrying charges.***

WNH notes that the final 2010 LRAM amount has increased by \$266 to \$157,533 from \$157,267 previously applied for (prior to carrying charges), as a result the carrying charges would marginally change (approximately \$6). The calculation of the carrying charge WNH applied for is provided in the table below.

Total LRAM Claim	157,267
Assume LRAM evenly each month	13,106

Month	Principal		Carrying Chg	
	Month	LTD	Month	LTD
Jan/2010	13,106	13,106	-	-
Feb	13,106	26,211	6	6
Mar	13,106	39,317	12	18
Apr	13,106	52,422	18	36
May	13,106	65,528	24	60
Jun	13,106	78,634	30	90
Jul	13,106	91,739	58	148
Aug	13,106	104,845	68	216
Sep	13,106	117,950	78	294
Oct	13,106	131,056	118	412
Nov	13,106	144,161	131	543
Dec	13,106	157,267	144	687
Jan/2011		157,267	193	880
Feb		157,267	193	1,073
Mar		157,267	193	1,265
Apr		157,267	193	1,458
May		157,267	193	1,651
Jun		157,267	193	1,843
Jul		157,267	193	2,036
Aug		157,267	193	2,229
Sep		157,267	193	2,421
Oct		157,267	193	2,614
Nov		157,267	193	2,807
Dec		157,267	193	2,999
Jan/2012		157,267	193	3,192
Feb		157,267	193	3,385
Mar		157,267	193	3,577
Apr		157,267	193	3,770
Totals	157,267		3,770	

Period	Prescribed Board Rate
Carrying Charge Rate July 1, 2009 - June 30, 2010	0.55%
Carrying Charge Rate July 1, 2010 - September 30, 2010	0.89%
Carrying Charge Rate October 1, 2010 - December 31, 2010	1.20%
Carrying Charge Rate January 1, 2011 - April 30, 2012*	1.47%

* Used the current rate in carrying charges forecast amounts to April 30, 2012

VECC Question # 2

Reference: Summary of Application, 2.11 Lost Revenue Adjustment Mechanism (LRAM), Page 35

Preamble: *Waterloo North Hydro is proposing a four year recovery period in order to mitigate customer rate impacts.*

- a) *Please provide the rate riders using a one year recovery period, and resulting rate impacts by customer class.*

WNH has provided the rate riders using a one year recovery period, and resulting rate impacts by customer class (only those classes for which a LRAM rate rider is being applied for in this application) in the tables below. WNH notes in its Board Staff IR Response that it continues to propose a four year rate rider for all of its 2012 rate riders and has provided it rationale in its response.

Table IR # 2 (a) (i) Calculation of 1 Year Rate Rider

						Rate Over
Rate Class	LRAM	Carrying Charges	Total LRAM Claim	kWh	kW	1 Year
Residential	\$82,537	\$1,978	\$84,516	393,848,054		0.00021
General Service < 50kW	\$42,196	\$1,011	\$43,207	179,687,810		0.00024
General Service > 50kW	\$32,534	\$780	\$33,314		1,581,207	0.02107
Total	\$157,267	\$3,770	\$161,037			

Table IR # 2 (a) (ii) Summary of Rate Impacts of a 4 and 1 Year Rate Rider

Rate Class		4 Year		1 Year			
		WNH Application		IR # 2 (a)			
		\$ (Decrease) on Total Bill	% (Decrease) on Total Bill	\$ (Decrease) on Total Bill	% (Decrease) on Total Bill	Change in \$	Change in %
Monthly Consumption							
kWh	kW						
Residential	800	(1.17)	-1.08%	(1.04)	-0.97%	0.13	0.12%
GS < 50 kW	2,000	(2.30)	-0.89%	(1.93)	-0.74%	0.37	0.14%
GS > 50 kW	100,000	(71.81)	-0.69%	(67.80)	-0.65%	4.01	0.04%

Table IR # 2 (a) (iii) Rate Impacts of a 1 Year Rate Rider by Rate Class

Customer Class:		Residential									
		Consumption		800 kWh							
Fushia denotes change in LRAM Rate Rider to 1 Year from 4 Years											
	Charge Unit	Current Board-Approved			Proposed			Impact			
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change		
1	Monthly Service Charge	monthly	\$ 14.5600	1	\$ 14.56	\$ 14.5900	1	\$ 14.59	\$ 0.03	0.21%	
2	Smart Meter Rate Adder	monthly	\$ 1.0000	1	\$ 1.00	\$ 1.0000	1	\$ 1.00	\$ -	0.00%	
3	Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -		
4	Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -		
5	Distribution Volumetric Rate	per kWh	\$ 0.0184	800	\$ 14.72	\$ 0.0184	800	\$ 14.72	\$ -	0.00%	
6	Low Voltage Rate Adder	per kWh	\$ 0.0001	800	\$ 0.08	\$ 0.0001	800	\$ 0.08	\$ -	0.00%	
7	Volumetric Rate Adder(s)			800	\$ -		800	\$ -	\$ -		
8	Volumetric Rate Rider(s)			800	\$ -		800	\$ -	\$ -		
9	Smart Meter Disposition Rider			800	\$ -		800	\$ -	\$ -		
10	LRAM & SSM Rate Rider	per kWh	\$ 0.0002	800	\$ 0.16	\$ 0.0004	800	\$ 0.33	\$ 0.17	105.00%	
11	Deferral/Variance Account Disposition Rate Rider	per kWh	-\$ 0.00273	800	-\$ 2.18	-\$ 0.00363	800	-\$ 2.90	-\$ 0.72	32.97%	
12	LPP Rate Rider	monthly	\$ 0.1900	1	\$ 0.19		1	\$ -	-\$ 0.19	-100.00%	
13	Capital Gains Rate Rider	per kWh	-\$ 0.0007	800	-\$ 0.56	-\$ 0.0007	800	-\$ 0.56	\$ -	0.00%	
14	Foregone Revenue Rate Rider	per kWh	\$ 0.0005	800	\$ 0.40		800	\$ -	-\$ 0.40	-100.00%	
15	Tax Change Rate Rider	per kWh	\$ -	800	\$ -	-\$ 0.0001	800	-\$ 0.08	-\$ 0.08		
16	Sub-Total A - Distribution				\$ 28.37			\$ 27.17	-\$ 1.19	-4.20%	
17	RTSR - Network	per kWh	\$ 0.0067	832.32	\$ 5.58	\$ 0.0068	832.32	\$ 5.66	\$ 0.08	1.49%	
	RTSR - Line and Transformation Connection	per kWh	\$ 0.0022	832.32	\$ 1.83	\$ 0.0023	832.32	\$ 1.91	\$ 0.08	4.55%	
19	Sub-Total B - Delivery (including Sub-Total A)				\$ 35.77			\$ 34.75	-\$ 1.03	-2.87%	
20	Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	832.32	\$ 4.33	\$ 0.0052	832.32	\$ 4.33	\$ -	0.00%	
21	Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	832.32	\$ 1.08	\$ 0.0013	832.32	\$ 1.08	\$ -	0.00%	
22	Special Purpose Charge	per kWh		832.32	\$ -		832.32	\$ -	\$ -		
23	Standard Supply Service Charge	monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	
24	Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	
25	Energy First Block	per kWh	\$ 0.06800	600	\$ 40.80	\$ 0.06800	600	\$ 40.80	\$ -	0.00%	
26	Energy Second Block	per kWh	\$ 0.0790	232.32	\$ 18.35	\$ 0.0790	232.32	\$ 18.35	\$ -	0.00%	
27					\$ -			\$ -	\$ -		
28	Total Bill (before Taxes)				\$ 106.19			\$ 105.16	-\$ 1.03	-0.97%	
29	HST		13%		\$ 13.80	13%		\$ 13.67	-\$ 0.13	-0.97%	
30	Total Bill (including Sub-total B)				\$ 119.99			\$ 118.83	-\$ 1.16	-0.97%	
	Ontario Clean Energy Benefit (OCEB)		-10%		-\$ 12.00	-10%		-\$ 11.88	\$ 0.12	-0.97%	
	Total Bill (less OCEB)				\$ 107.99			\$ 106.95	-\$ 1.04	-0.97%	
31	Loss Factor (%)	Note 1	4.04%			4.04%					

31 Loss Factor (%) Note 1 4.04% 4.04%

Notes:

Note 1: Enter existing and proposed total loss factor (Secondary Metered Customer < 5,000 kW) as a percentage.

General Service < 50 kW		
Consumption	2,000	kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
1 Monthly Service Charge	monthly	\$ 30.6300	1	\$ 30.63	\$ 30.6900	1	\$ 30.69	\$ 0.06	0.20%
2 Smart Meter Rate Adder	monthly	\$ 1.0000	1	\$ 1.00	\$ 1.0000	1	\$ 1.00	\$ -	0.00%
3 Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
4 Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
5 Distribution Volumetric Rate	per kWh	\$ 0.0137	2000	\$ 27.40	\$ 0.0137	2000	\$ 27.40	\$ -	0.00%
6 Low Voltage Rate Adder	per kWh	\$ 0.0001	2000	\$ 0.20	\$ 0.0001	2000	\$ 0.20	\$ -	0.00%
7 Volumetric Rate Adder(s)			2000	\$ -		2000	\$ -	\$ -	
8 Volumetric Rate Rider(s)			2000	\$ -		2000	\$ -	\$ -	
9 Smart Meter Disposition Rider			2000	\$ -		2000	\$ -	\$ -	
10 LRAM & SSM Rider	per kWh	\$ 0.0001	2000	\$ 0.20	\$ 0.0003	2000	\$ 0.68	\$ 0.48	240.00%
11 Deferral/Variance Account Disposition Rate Rider	per kWh	-\$ 0.00273	2000	-\$ 5.46	-\$ 0.00353	2000	-\$ 7.06	-\$ 1.60	29.30%
12 LPP Rate Rider	monthly	\$ 0.4500	1	\$ 0.45			\$ -	-\$ 0.45	-100.00%
13 Capital Gains Rate Rider	per kWh	-\$ 0.0004	2,000	-\$ 0.80	-\$ 0.0004	2000	-\$ 0.80	\$ -	0.00%
14 Foregone Revenue Rate Rider	per kWh	\$ 0.0003	2,000	\$ 0.60			\$ -	\$ 0.60	-100.00%
15 Tax Change Rate Rider				\$ -	-\$ 0.0001	2,000	-\$ 0.20	-\$ 0.20	
16 Sub-Total A - Distribution				\$ 54.22			\$ 51.91	-\$ 2.31	-4.26%
17 RTSR - Network	per kWh	\$ 0.0061	2080.8	\$ 12.69	\$ 0.0062	2080.8	\$ 12.90	\$ 0.21	1.64%
18 RTSR - Line and Transformation Connection	per kWh	\$ 0.0020	2080.8	\$ 4.16	\$ 0.0021	2080.8	\$ 4.37	\$ 0.21	5.00%
19 Sub-Total B - Delivery (including Sub-Total A)				\$ 71.07			\$ 69.18	-\$ 1.89	-2.66%
20 Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	2080.8	\$ 10.82	\$ 0.0052	2080.8	\$ 10.82	\$ -	0.00%
21 Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	2080.8	\$ 2.71	\$ 0.0013	2080.8	\$ 2.71	\$ -	0.00%
22 Special Purpose Charge	per kWh		2080.8	\$ -		2080.8	\$ -	\$ -	
23 Standard Supply Service Charge	monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
24 Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
25 Energy First Block	per kWh	\$ 0.06800	750	\$ 51.00	\$ 0.06800	750	\$ 51.00	\$ -	0.00%
26 Energy Second Block	per kWh	\$ 0.0790	1330.8	\$ 105.13	\$ 0.0790	1330.8	\$ 105.13	\$ -	0.00%
27				\$ -			\$ -	\$ -	
28 Total Bill (before Taxes)				\$ 254.98			\$ 253.09	-\$ 1.89	-0.74%
29 HST		13%		\$ 33.15	13%		\$ 32.90	-\$ 0.25	-0.74%
30 Total Bill (including Sub-total B)				\$ 288.13			\$ 285.99	-\$ 2.14	-0.74%
Ontario Clean Energy Benefit (OCEB)		-10%		-\$ 28.81	-10%		-\$ 28.60	\$ 0.21	-0.74%
Total Bill (less OCEB)				\$ 259.32			\$ 257.39	-\$ 1.93	-0.74%

31 Loss Factor	Note 1	4.04%	4.04%
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Notes:

Note 1: See Note 1 from Sheet 1A, Bill Impacts - Residential

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General Service > 50 kW											
Consumption											
		250 kW			100,000 kWh						
		Current Board-Approved			Proposed			Impact			
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	%		
Charge Unit											
1	Monthly Service Charge	monthly	\$ 162.82	1	\$ 162.82	\$ 138.76	1	\$ 138.76	-\$ 24.06	-14.78%	
2	Smart Meter Rate Adder	monthly	\$ 1.0000	1	\$ 1.00	\$ 1.0000	1	\$ 1.00	\$ -	0.00%	
3	Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -		
4	Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -		
5	Distribution Volumetric Rate	per kW	\$ 4.3073	250	\$ 1,076.83	\$ 4.4369	250	\$ 1,109.23	\$ 32.40	3.01%	
6	Low Voltage Rate Adder	per kW	\$ 0.0551	250	\$ 13.78	\$ 0.0551	250	\$ 13.78	\$ -	0.00%	
7	Volumetric Rate Adder(s)			250	\$ -		250	\$ -	\$ -		
8	Volumetric Rate Rider(s)			250	\$ -		250	\$ -	\$ -		
9	Smart Meter Disposition Rider			250	\$ -		250	\$ -	\$ -		
10	LRAM & SSM Rate Rider	per kW	\$ 0.1495	250	\$ 37.38	\$ 0.1706	250	\$ 42.64	\$ 5.27	14.09%	
11	Deferral/Variance Account Disposition Rate Rider	per kW	-\$ 1.17104	250	-\$ 292.76	-\$ 1.44504	250	-\$ 361.26	-\$ 68.50	23.40%	
12	LPP Rate Rider	monthly	\$ 6.6700	1	\$ 6.67		1	\$ -	-\$ 6.67	-100.00%	
13	Capital Gains Rate Rider	per kW	-\$ 0.0866	250	-\$ 21.65	-\$ 0.0866	250	-\$ 21.65	\$ -	0.00%	
14	Foregone Revenue Rate Rider	per kW	\$ 0.0584	250	\$ 14.60		250	\$ -	-\$ 14.60	-100.00%	
15	Low Voltage Rate Rider	per kW	\$ 0.0023	250	\$ 0.58		250	\$ -	-\$ 0.58	-100.00%	
	Tax Change Rate Rider	per kW				-\$ 0.0110	250	-\$ 2.75	-\$ 2.75		
16	Sub-Total A - Distribution				\$ 999.23			\$ 919.74	-\$ 79.49	-7.95%	
17	RTSR - Network	per kW	\$ 2.4945	250	\$ 623.63	\$ 2.5268	250	\$ 631.70	\$ 8.08	1.29%	
18	RTSR - Line and Transformation Connection	per kW	\$ 0.7822	250	\$ 195.55	\$ 0.8012	250	\$ 200.30	\$ 4.75	2.43%	
19	Sub-Total B - Delivery (including Sub-Total A)				\$ 1,818.41			\$ 1,751.74	-\$ 66.66	-3.67%	
20	Wholesale Market Service Charge (WMS)	per kWh	\$ 0.0052	104,040	\$ 541.01	\$ 0.0052	104,040	\$ 541.01	\$ -	0.00%	
21	Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	104,040	\$ 135.25	\$ 0.0013	104,040	\$ 135.25	\$ -	0.00%	
22	Special Purpose Charge	per kWh		104,040	\$ -		104,040	\$ -	\$ -		
23	Standard Supply Service Charge	monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	
24	Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	100,000	\$ 700.00	\$ 0.0070	100,000	\$ 700.00	\$ -	0.00%	
25	Energy	per kWh	\$ 0.06800	104,040	\$ 7,074.72	\$ 0.06800	104,040	\$ 7,074.72	\$ -	0.00%	
26					\$ -			\$ -	\$ -		
27					\$ -			\$ -	\$ -		
28	Total Bill (before Taxes)				\$ 10,269.64			\$ 10,202.97	-\$ 66.66	-0.65%	
29	HST		13%		\$ 1,335.05	13%		\$ 1,326.39	-\$ 8.67	-0.65%	
30	Total Bill (including Sub-total B)				\$ 11,604.69			\$ 11,529.36	-\$ 75.33	-0.65%	
	Ontario Clean Energy Benefit (OCEB)		-10%		-\$ 1,160.47	-10%		-\$ 1,152.94	\$ 7.53	-0.65%	
	Total Bill (less OCEB)				\$ 10,444.22			\$ 10,376.42	-\$ 67.80	-0.65%	

31 Loss Factor (%) Note 1 4.04% 4.04%

Notes:

Note 1: Enter existing and proposed total loss factor (Secondary Metered Customer < 5,000 kW) as a percentage.

VECC Question # 3

Reference: Attachment Z, LRAM Report, Page 3

Preamble: *The Burman Energy Report indicates that input assumptions will be updated once the 2010 Final CDM Results Detailed Report is released.*

- a) *When does Waterloo North Hydro expect to receive these results and update the LRAM?*

The input assumptions have been updated to include the finalized 2010 program results provided by the OPA November 15, 2011. Please refer to Board Staff IR # 10 (A) for details.

VECC Question # 4

Reference: Attachment Z, LRAM Report

- a) *Please provide the following details by year for each CDM Program at the measure level to add to the data shown in Attachment A: # units, unit and total kWh savings, lifetime, and free ridership rate. Reconcile to the load impacts and lost revenues shown in Attachments A and B.*

WNH has provided the details in Attachment A, please refer to tab "VECC IR Q4a".

- b) *List and confirm OPA's input assumptions for Every Kilowatt Counts (EKC) 2006 including the measure life, unit kWh savings and free ridership rate for Compact Fluorescent Lights (CFLs) and Seasonal Light Emitting Diodes (LED). Confirm some of these assumptions were changed in 2007 and again in 2009 and compare the values.*

WNH has provided the details in Attachment A, please refer to tab "VECC IR Q4b".

- c) *Demonstrate that savings for EKC 2006 Mass Market measures 13-15 W Energy Star CFLs & Seasonal LEDs have been removed from the LRAM claim in 2010.*

WNH has provided the details in Attachment A, please refer to tab "VECC IR Q4c".

- d) *Adjust the LRAM claim as necessary to reflect the measure lives and unit savings for any/all measures that have expired in 2010.*

No changes are necessary as measure lives that have expired in 2010 have not been included.

Attachment A

Response to

**VECC IR # 4 (a) (b)
(c)**

VECC Question # 4 a)

a) Please provide the following details by year for each CDM Program at the measure level to add to the data shown in Attachment A: # units, unit and total kWh savings, lifetime, and free ridership rate. Reconcile to the load impacts and lost revenues shown in Attachments A and B.

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: **Waterloo North Hydro Inc.**

#	Initiative Number	Initiative Name	Program Name	Program Year	Results Status
1		1'Secondary Refrigerator Retirement Pilot	Consumer	2006	Final
2		1'Secondary Refrigerator Retirement Pilot	Consumer	2006	Final
3		2'Cool & Hot Savings Rebate	Consumer	2006	Final
4		2'Cool & Hot Savings Rebate	Consumer	2006	Final
5		2'Cool & Hot Savings Rebate	Consumer	2006	Final
6		2'Cool & Hot Savings Rebate	Consumer	2006	Final
7		2'Cool & Hot Savings Rebate	Consumer	2006	Final
8		2'Cool & Hot Savings Rebate	Consumer	2006	Final
9		3'Every Kilowatt Counts	Consumer	2006	Final
10		3'Every Kilowatt Counts	Consumer	2006	Final
11		3'Every Kilowatt Counts	Consumer	2006	Final
12		3'Every Kilowatt Counts	Consumer	2006	Final
13		3'Every Kilowatt Counts	Consumer	2006	Final
14		3'Every Kilowatt Counts	Consumer	2006	Final
15		3'Every Kilowatt Counts	Consumer	2006	Final
16		3'Every Kilowatt Counts	Consumer	2006	Final
17		3'Every Kilowatt Counts	Consumer	2006	Final
18		3'Every Kilowatt Counts	Consumer	2006	Final
19		4'Demand Response 1	Business, Ind	2006	Final
20		5'Loblaw & York Region Demand Response	Business, Ind	2006	Final
21		5'Loblaw & York Region Demand Response	Business, Ind	2006	Final
22		6'Great Refrigerator Roundup	Consumer	2007	Final
23		6'Great Refrigerator Roundup	Consumer	2007	Final
24		6'Great Refrigerator Roundup	Consumer	2007	Final
25		6'Great Refrigerator Roundup	Consumer	2007	Final
26		6'Great Refrigerator Roundup	Consumer	2007	Final
27		6'Great Refrigerator Roundup	Consumer	2007	Final
28		6'Great Refrigerator Roundup	Consumer	2007	Final
29		6'Great Refrigerator Roundup	Consumer	2007	Final
30		6'Great Refrigerator Roundup	Consumer	2007	Final
31		7'Cool & Hot Savings Rebate	Consumer	2007	Final
32		7'Cool & Hot Savings Rebate	Consumer	2007	Final
33		7'Cool & Hot Savings Rebate	Consumer	2007	Final
34		7'Cool & Hot Savings Rebate	Consumer	2007	Final
35		7'Cool & Hot Savings Rebate	Consumer	2007	Final
36		7'Cool & Hot Savings Rebate	Consumer	2007	Final
37		7'Cool & Hot Savings Rebate	Consumer	2007	Final
38		7'Cool & Hot Savings Rebate	Consumer	2007	Final
39		7'Cool & Hot Savings Rebate	Consumer	2007	Final
40		8'Every Kilowatt Counts	Consumer	2007	Final
41		8'Every Kilowatt Counts	Consumer	2007	Final
42		8'Every Kilowatt Counts	Consumer	2007	Final
43		8'Every Kilowatt Counts	Consumer	2007	Final
44		8'Every Kilowatt Counts	Consumer	2007	Final
45		8'Every Kilowatt Counts	Consumer	2007	Final
46		8'Every Kilowatt Counts	Consumer	2007	Final
47		8'Every Kilowatt Counts	Consumer	2007	Final
48		8'Every Kilowatt Counts	Consumer	2007	Final
49		8'Every Kilowatt Counts	Consumer	2007	Final
50		8'Every Kilowatt Counts	Consumer	2007	Final
51		8'Every Kilowatt Counts	Consumer	2007	Final
52		8'Every Kilowatt Counts	Consumer	2007	Final
53		8'Every Kilowatt Counts	Consumer	2007	Final
54		9'peaksaver®	Consumer, Bx	2007	Final
55		9'peaksaver®	Consumer, Bx	2007	Final
56		9'peaksaver®	Consumer, Bx	2007	Final
57		9'peaksaver®	Consumer, Bx	2007	Final
58		9'peaksaver®	Consumer, Bx	2007	Final
59		9'peaksaver®	Consumer, Bx	2007	Final
60		10'Summer Savings	Consumer	2007	Final
61		10'Summer Savings	Consumer	2007	Final
62		10'Summer Savings	Consumer	2007	Final
63		10'Summer Savings	Consumer	2007	Final
64		10'Summer Savings	Consumer	2007	Final
65		10'Summer Savings	Consumer	2007	Final
66		10'Summer Savings	Consumer	2007	Final
67		10'Summer Savings	Consumer	2007	Final
68		10'Summer Savings	Consumer	2007	Final
100		13'Social Housing Pilot	Consumer Lo	2007	Final
101		14'Energy Efficiency Assistance for Houses Pilot	Consumer Lo	2007	Final
102		15'Electricity Retrofit Incentive	Business	2007	Final

#	Measure Name
1	1'Refrigerator Retirement
2	2'Freezer Retirement
1	1'Energy Star® Central Air Conditioner - Cool Savings
2	2'Programmable Thermostat - Cool Savings
3	3'Central Air Conditioner Tune-ups - Cool Savings
4	4'Energy Star® Central Air Conditioner - Hot Savings
5	5'Efficient Furnace with ECM - Hot Savings
6	6'Programmable Thermostat - Hot Savings
1	1'Energy Star® Compact Fluorescent Light Bulb - Spring Campaign
2	2'Electric Timers - Spring Campaign
3	3'Programmable Thermostats - Spring Campaign
4	4'Energy Star® Ceiling Fans - Spring Campaign
5	5'Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign
6	6'Seasonal Light Emitting Diode Light String - Autumn Campaign
7	7'Programmable Thermostats - Autumn Campaign
8	8'Dimmers - Autumn Campaign
9	9'Indoor Motion Sensors - Autumn Campaign
10	10'Programmable Baseboard Thermostats - Autumn Campaign
1	1'Voluntary Load Shedding Project
1	1'Rodan Contract
2	2'Loblaw Contract
1	1'Bottom Freezer Fridge
2	2'Chest Freezer
3	3'Side by Side Fridge-Freezer
4	4'Single Door Fridge
5	5'Small Freezer (under 10 cubic feet)
6	6'Small Fridge (under 10 cubic feet)
7	7'Top Freezer Fridge
8	8'Upright Freezer
9	9'Window Air Conditioner
1	1'Energy Star® Central Air Conditioner - Hot Savings
2	2'Efficient Furnace with ECM - Hot Savings
3	3'Programmable Thermostat - Hot Savings
4	4'Energy Star® Central Air Conditioner, Tier 2 - Cool Savings
5	5'Energy Star® Central Air Conditioner, Tier 1 - Cool Savings
6	6'Medium Efficiency Furnace with ECM - Cool Savings
7	7'High Efficiency Furnace with ECM - Cool Savings
8	8'Programmable Thermostat - Cool Savings
9	9'Central Air Conditioner Tune-ups - Cool Savings
1	1'15 W CFL
2	2'20+ W CFL
3	3'Energy Star® Light Fixture
4	4'T8 Fluorescent Tube
5	5'Seasonal LED Light String
6	6'Project Porchlight CFL
7	7'Solar Light
8	8'Energy Star® Ceiling Fan
9	9'Furnace Filter
10	10'Power Bar with Timer
11	11'Lighting Control Device
12	12'Outdoor Motion Sensor
13	13'Dimmer Switch
14	14'Programmable Thermostat
1	1'Residential Air Conditioner - Switch
2	2'Residential Air Conditioner - Thermostat
3	3'Residential Electric Water Heater
4	4'Commercial Air Conditioner - Switch
5	5'Commercial Air Conditioner - Thermostat
6	6'Commercial Electric Water Heater
1	1'Households, Change in Behaviour Only - Behaviour Related
2	2'Households, Change in Behaviour Only - Equipment Related
3	3'Households, Change in Behaviour Only - Compact Fluorescent Light Bulb Related
4	4'Households, Combination of Change in Behaviour and "Pulled Forward" Equipment
5	5'Households, Combination of Change in Behaviour and "Pulled Forward" Equipment
6	6'Households, Combination of Change in Behaviour and "Pulled Forward" Equipment
7	7'Households, Change in Behaviour and Incremental Equipment (With Full Equipment
8	8'Households, Change in Behaviour and Incremental Equipment (With Full Equipment
9	9'Households, Change in Behaviour and Incremental Equipment (With Full Equipment
1	1'Custom Retrofit Projects
1	1'Custom Retrofit Projects
1	1'Custom Project

Unit Savings Assumptions					
Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)
0.27	1200.00	0.24	1080.00	90.00	6.00
0.20	900.00	0.18	810.00	90.00	6.00
0.40	390.00	0.36	351.00	90.00	14.00
0.18	176.62	0.16	158.96	90.00	18.00
0.42	409.99	0.38	368.99	90.00	8.00
0.17	154.93	0.10	88.62	57.20	18.00
0.50	836.70	0.29	494.49	59.10	15.00
0.03	53.60	0.01	14.72	27.46	15.00
0.00	104.40	0.00	93.96	90.00	4.00
0.00	183.00	0.00	164.70	90.00	20.00
0.05	216.00	0.05	194.40	90.00	15.00
0.01	141.00	0.01	126.90	90.00	20.00
0.00	104.40	0.00	93.96	90.00	4.00
0.00	30.75	0.00	27.68	90.00	30.00
0.12	522.09	0.11	469.89	90.00	18.00
0.00	139.00	0.00	125.10	90.00	10.00
0.00	209.00	0.00	188.10	90.00	20.00
0.00	1466.30	0.00	1319.67	90.00	18.00
Custom	Custom	Custom	Custom	100.00	1.00
3000.00	0.00	3000.00	0.00	100.00	1.00
10000.00	0.00	10000.00	0.00	100.00	1.00
0.12	1064.27	0.08	777.96	73.10	9.00
0.07	471.46	0.03	215.54	45.72	8.00
0.10	899.92	0.04	352.30	39.15	9.00
0.08	721.26	0.03	282.36	39.15	9.00
0.05	338.51	0.01	101.90	30.10	8.00
0.05	489.95	0.02	147.48	30.10	9.00
0.08	731.82	0.03	286.49	39.15	9.00
0.11	742.93	0.05	339.64	45.72	8.00
0.56	240.17	0.24	103.51	43.10	4.50
0.17	154.93	0.10	88.62	57.20	18.00
0.50	836.70	0.29	494.49	59.10	15.00
0.03	53.60	0.01	14.72	27.46	15.00
0.26	234.97	0.04	36.92	15.71	5.00
0.00	43.00	0.00	33.54	78.00	8.00
0.00	62.10	0.00	48.44	78.00	8.00
0.01	122.90	0.00	67.60	55.00	16.00
0.00	37.20	0.00	28.64	77.00	18.00
0.00	13.70	0.00	6.71	49.00	5.00
0.00	43.00	0.00	32.68	76.00	8.00
0.00	4.81	0.00	0.63	13.00	5.00
0.00	89.80	0.00	49.39	55.00	10.00
0.01	37.70	0.01	20.74	55.00	4.00
0.01	72.40	0.00	55.75	77.00	10.00
0.02	72.20	0.01	39.71	55.00	10.00
0.00	159.80	0.00	87.89	55.00	10.00
0.00	23.70	0.00	13.04	55.00	10.00
0.00	75.10	0.00	41.31	55.00	15.00
0.63	0.00	0.57	0.00	90.00	12.00
0.63	0.00	0.57	0.00	90.00	12.00
0.30	0.00	0.27	0.00	90.00	12.00
4.00	0.00	3.60	0.00	90.00	12.00
4.00	0.00	3.60	0.00	90.00	12.00
0.30	0.00	0.27	0.00	90.00	12.00
2.92	5452.70	0.35	654.32	12.00	4.00
0.00	0.00	0.00	0.00	12.00	0.00
0.00	0.00	0.00	0.00	12.00	0.00
1.57	2918.81	0.19	350.26	12.00	4.00
1.37	1662.25	0.16	199.47	12.00	2.00
0.01	170.91	0.00	20.51	12.00	8.00
0.74	4822.20	0.21	578.66	12.00	4.00
1.26	642.98	0.15	77.16	12.00	14.00
0.01	198.51	0.00	23.82	12.00	8.00
Custom	Custom	Custom	Custom	100.00	10.00
Custom	Custom	Custom	Custom	100.00	19.00
Custom	Custom	Custom	Custom	90.00	5.00

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

LDC Specific Results				
Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)
48.79	13.27	58542.08	11.94	52687.87
2.11	0.43	1898.71	0.39	1708.84
139.93	55.82	54572.90	50.23	49115.61
106.60	19.30	18828.30	17.37	16945.47
95.43	40.08	39125.70	36.07	35213.13
28.50	4.83	4415.47	2.76	2525.65
59.99	29.77	50197.22	17.59	29666.55
55.45	1.53	2972.09	0.42	816.20
13010.73	0.00	1358320.64	0.00	1222488.57
364.75	0.00	66749.34	0.00	60074.41
158.66	7.93	34271.26	7.14	30844.14
120.70	1.69	17018.53	1.52	15316.68
19291.07	0.00	2013987.84	0.00	1812589.06
4643.35	0.00	142783.02	0.00	128504.72
306.09	36.04	159806.45	32.43	143825.80
242.03	0.00	33642.10	0.00	30277.89
86.85	0.00	18150.97	0.00	16335.87
18.23	0.00	26732.42	0.00	24059.18
0.11	3136.94	0.00	3136.94	0.00
0.01	35.43	0.00	35.43	0.00
0.01	118.11	0.00	118.11	0.00
2.97	0.34	3156.33	0.25	2307.21
71.55	4.83	33734.89	2.21	15422.32
24.53	2.37	22075.29	0.93	8642.04
67.97	5.28	49023.43	2.07	19191.71
2.61	0.13	885.10	0.04	266.43
5.33	0.27	2611.72	0.08	786.17
246.20	19.44	180176.86	7.61	70535.71
13.83	1.47	10275.93	0.67	4697.77
4.00	2.25	960.69	0.97	414.06
28.87	4.89	4473.05	2.80	2558.59
60.78	30.15	50851.88	17.82	30053.46
56.17	1.55	3010.86	0.43	826.84
224.70	38.07	34812.46	21.77	19912.73
0.00	0.00	0.00	0.00	0.00
298.22	147.96	249521.14	87.44	147466.99
0.00	0.00	0.00	0.00	0.00
278.61	7.69	14936.99	2.11	4102.00
276.24	70.98	64908.31	11.15	10198.72
23401.29	30.42	1006255.36	23.73	784879.18
3809.51	7.24	236570.49	5.65	184524.98
90.89	0.51	11170.95	0.28	6144.02
178.15	0.21	6627.00	0.16	5102.79
6199.80	0.00	84937.32	0.00	41619.29
4924.40	6.40	211749.35	4.87	160929.51
3004.36	0.00	14450.97	0.00	1878.63
188.76	0.53	16950.85	0.29	9322.97
760.58	8.53	28674.62	4.69	15770.37
83.14	0.52	6019.60	0.40	4635.09
962.64	17.81	69502.76	9.79	38226.52
300.55	0.00	48027.28	0.00	26415.01
180.97	0.13	4525.95	0.07	2489.27
183.51	0.00	13781.81	0.00	7580.00
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	0.00
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	0.00
339.21	992.05	1849584.06	119.05	221950.09
339.21	0.00	0.00	0.00	0.00
339.21	0.00	0.00	0.00	0.00
339.21	521.04	990075.68	63.72	118809.08
339.21	465.98	563844.69	55.92	67661.36
339.21	1.80	57974.30	0.22	6956.92
339.21	591.63	1635715.63	71.00	196285.88
339.21	428.80	218101.80	51.46	26172.22
339.21	2.09	67334.73	0.25	8080.17
95.34	13.79	117200.80	13.79	117200.80
18.00	19.72	67034.68	19.72	67034.68
0.00	0.00	0.00	0.00	0.00

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

Residential
GS < 50
GS >50 to 4,999

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
1	Bottom Freezer Fridge
2	Chest Freezer
3	Side by Side Fridge-Freezer
4	Single Door Fridge
5	Small Freezer (under 10 cubic feet)
6	Small Fridge (under 10 cubic feet)
7	Top Freezer Fridge
8	Upright Freezer
9	Window Air Conditioner
1	2007 Energy Star® Central Air Conditioner, Tier 2
2	2007 Energy Star® Central Air Conditioner, Tier 1
3	2007 Medium Efficiency Furnace with ECM
4	2007 High Efficiency Furnace with ECM
5	2007 Programmable Thermostat
6	2007 Central Air Conditioner Tune-ups
7	2008 Energy Star® Central Air Conditioner, Tier 2
8	2008 Energy Star® Central Air Conditioner, Tier 1
9	2008 Efficient Furnace with ECM
10	2008 Programmable Thermostat
1	Energy Star® Qualified Compact Fluorescent Light Bulbs
2	Energy Star® Qualified Dimmable CFLs
3	Energy Star® Qualified Decorative CFLs
4	Energy Star® Qualified Compact Fluorescent Floods (Indoor & Outdoor)
5	Energy Star® Qualified Light Fixtures
6	T8 Fluorescent Fixtures
7	Lighting Control Devices
8	Power Bars with Timers
9	Car block heater timer
10	Heavy Duty Timers
11	Programmable Thermostats - Baseboard
12	Air Conditioner/Furnace Filters
13	Awnings
14	Window Films
15	Electric Water Heater Blankets
16	Pipe Wrap
17	Low-Flow Toilets
18	Keep Cool Pilot – Dehumidifier
19	Keep Cool Pilot – Room Air Conditioner
20	Rewards for Recycling – Dehumidifier
21	Rewards for Recycling – Room Air Conditioner
22	Rewards for Recycling – Halogen Lamp
1	Residential Air Conditioner - Switch
2	Residential Air Conditioner - Thermostat
3	Residential Electric Water Heater
4	Commercial Air Conditioner - Switch
5	Commercial Air Conditioner - Thermostat
6	Commercial Electric Water Heater
1	Registered qualified active households
2	Registered unqualified active households
3	Registered qualified inactive households
4	Registered unqualified inactive households
5	Non-registered active households
1	Agribusiness ENERGY STAR® Rated Exit Signs, All sizes - Commercial Sector
2	Agribusiness ENERGY STAR® Rated CFLs, Screw in. All sizes < 40 W - Commercial Sector
3	Agribusiness ENERGY STAR® Rated CFLs, Hard wired. All sizes < 40 W - Commercial Sector
4	Agribusiness Standard Performance T8, Single lamp standard T8 fixture - Commercial Sector
5	Agribusiness Standard Performance T8, Double lamp standard T8 fixture - Commercial Sector
6	Agribusiness Standard Performance T8, Triple lamp standard T8 fixture - Commercial Sector
7	Agribusiness Standard Performance T8, Quadruple lamp standard T8 fixture - Commercial Sector
8	Agribusiness High Performance T8 Consortium for Energy Efficiency qualifying T8 - Commercial Sector
9	Agribusiness High Performance T8 Consortium for Energy Efficiency qualifying T8 - Commercial Sector
10	Agribusiness High Performance T8 Consortium for Energy Efficiency qualifying T8 - Commercial Sector
11	Agribusiness High Performance T8 Consortium for Energy Efficiency qualifying T8 - Commercial Sector
12	Agribusiness T5 Fixtures, T5 fixture with 1, 2, or 3 lamps and 1 electronic ballast - Commercial Sector
13	Agribusiness T5 Fixtures, High Bay T5, Maximum 6 lamps/fixture - Commercial Sector
14	Agribusiness Metal Halide, 320 W Ceramic pulse start - Commercial Sector
15	Agribusiness Occupancy Sensors, Switch plate mounted occupancy sensor - Commercial Sector
16	Agribusiness Occupancy Sensors, Ceiling mounted occupancy sensor - Commercial Sector
17	Agribusiness Creep Heat Pads, up to 100W maximum - Commercial Sector
18	Agribusiness Creep Heat Pads, up to 200W maximum - Commercial Sector
19	Agribusiness High Temperature Cutout Thermostat - Commercial Sector
20	Agribusiness Creep Heat Controller - Commercial Sector
21	Agribusiness Energy Efficient Ventilation Exhaust Fans - Commercial Sector
22	Agribusiness Low Energy Livestock Waterers - Commercial Sector
23	Agribusiness Photocell and Timer for Lighting Control - Commercial Sector
24	Lighting System Exit Signs, 5 W or less - Commercial Sector
25	Lighting System ENERGY STAR® Rated CFLs, Screw in. All sizes < 40 W - Commercial Sector
26	Lighting System ENERGY STAR® Rated CFLs, Hard wired. All sizes < 40 W - Commercial Sector
27	Lighting System Standard Performance T8, Single lamp standard T8 fixture - Commercial Sector
28	Lighting System Standard Performance T8, Double lamp standard T8 fixture - Commercial Sector
29	Lighting System Standard Performance T8, Triple lamp standard T8 fixture - Commercial Sector
30	Lighting System Standard Performance T8, Quadruple lamp standard T8 fixture - Commercial Sector
31	Lighting System High Performance T8 Consortium for Energy Efficiency qualifying T8 - Commercial Sector

[illegible][illegible]

2010 IRRM Revenue per measure	Program Total
2007 Total	\$ 24,242.79
\$ 24.75	
\$ 773.98	
\$ 231.02	
\$ 448.53	
\$ 8.91	
\$ 13.46	
\$ 2,101.12	
\$ 151.71	
\$ 5.62	
\$ 52.62	\$ 3,759.10
\$ -	
\$ 609.92	
\$ -	
\$ 14.16	
\$ -	
\$ 209.85	
\$ -	
\$ 2,138.93	
\$ 55.37	
\$ 3,292.65	\$ 3,080.85
\$ 477.39	
\$ 2,354.87	
\$ 1,831.99	
\$ 3,857.91	
\$ 192.53	
\$ 785.50	
\$ 20.18	
\$ -	
\$ 196.42	
\$ 161.80	
\$ 1,974.79	
\$ 6.06	
\$ 2.30	
\$ 228.71	
\$ 69.59	
\$ 118.43	
\$ -	\$ 15,571.11
\$ 40.69	
\$ -	
\$ -	
\$ -	
\$ -	
\$ 914.27	\$ 40.69
\$ 1,371.40	
\$ 91.43	
\$ 343.94	
\$ 2,269.67	
	\$ 1,800.91

Measure Results at End-User Level

[illegible]

#	Measure Name
32	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
33	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
34	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
35	Lighting System T5 Fixtures, T5 fixture with 1, 2, or 3 lamps and 1 electronic ballast
36	Lighting System T5 Fixtures, High Bay T5, Maximum 6 lamps/fixture - Commercial
37	Lighting System Metal Halide, 320 W Ceramic pulse start - Commercial Sector
38	Lighting System Occupancy Sensors, Switch plate mounted occupancy sensor - Commercial
39	Lighting System Occupancy Sensors, Ceiling mounted occupancy sensor - Commercial
40	Motor Open Drip-Proof (ODP), 1 HP - Commercial Sector
41	Motor Open Drip-Proof (ODP), 1.5 HP - Commercial Sector
42	Motor Open Drip-Proof (ODP), 2 HP - Commercial Sector
43	Motor Open Drip-Proof (ODP), 3 HP - Commercial Sector
44	Motor Open Drip-Proof (ODP), 5 HP - Commercial Sector
45	Motor Open Drip-Proof (ODP), 7.5 HP - Commercial Sector
46	Motor Open Drip-Proof (ODP), 10 HP - Commercial Sector
47	Motor Open Drip-Proof (ODP), 15 HP - Commercial Sector
48	Motor Open Drip-Proof (ODP), 20 HP - Commercial Sector
49	Motor Open Drip-Proof (ODP), 25 HP - Commercial Sector
50	Motor Open Drip-Proof (ODP), 30 HP - Commercial Sector
51	Motor Open Drip-Proof (ODP), 40 HP - Commercial Sector
52	Motor Open Drip-Proof (ODP), 50 HP - Commercial Sector
53	Motor Open Drip-Proof (ODP), 60 HP - Commercial Sector
54	Motor Open Drip-Proof (ODP), 75 HP - Commercial Sector
55	Motor Open Drip-Proof (ODP), 100 HP - Commercial Sector
56	Motor Open Drip-Proof (ODP), 125 HP - Commercial Sector
57	Motor Open Drip-Proof (ODP), 150 HP - Commercial Sector
58	Motor Open Drip-Proof (ODP), 200 HP - Commercial Sector
59	Motor Totally Enclosed Fan-Cooled (TEFC), 1 HP - Commercial Sector
60	Motor Totally Enclosed Fan-Cooled (TEFC), 1.5 HP - Commercial Sector
61	Motor Totally Enclosed Fan-Cooled (TEFC), 2 HP - Commercial Sector
62	Motor Totally Enclosed Fan-Cooled (TEFC), 3 HP - Commercial Sector
63	Motor Totally Enclosed Fan-Cooled (TEFC), 5 HP - Commercial Sector
64	Motor Totally Enclosed Fan-Cooled (TEFC), 7.5 HP - Commercial Sector
65	Motor Totally Enclosed Fan-Cooled (TEFC), 10 HP - Commercial Sector
66	Motor Totally Enclosed Fan-Cooled (TEFC), 15 HP - Commercial Sector
67	Motor Totally Enclosed Fan-Cooled (TEFC), 20 HP - Commercial Sector
68	Motor Totally Enclosed Fan-Cooled (TEFC), 25 HP - Commercial Sector
69	Motor Totally Enclosed Fan-Cooled (TEFC), 30 HP - Commercial Sector
70	Motor Totally Enclosed Fan-Cooled (TEFC), 40 HP - Commercial Sector
71	Motor Totally Enclosed Fan-Cooled (TEFC), 50 HP - Commercial Sector
72	Motor Totally Enclosed Fan-Cooled (TEFC), 60 HP - Commercial Sector
73	Motor Totally Enclosed Fan-Cooled (TEFC), 75 HP - Commercial Sector
74	Motor Totally Enclosed Fan-Cooled (TEFC), 100 HP - Commercial Sector
75	Motor Totally Enclosed Fan-Cooled (TEFC), 125 HP - Commercial Sector
76	Motor Totally Enclosed Fan-Cooled (TEFC), 150 HP - Commercial Sector
77	Motor Totally Enclosed Fan-Cooled (TEFC), 200 HP - Commercial Sector
78	Transformer Size 15 - Commercial Sector
79	Transformer Size 30 - Commercial Sector
80	Transformer Size 45 - Commercial Sector
81	Transformer Size 75 - Commercial Sector
82	Transformer Size 112.5 - Commercial Sector
83	Transformer Size 150 - Commercial Sector
84	Transformer Size 225 - Commercial Sector
85	Transformer Size 300 - Commercial Sector
86	Transformer Size 500 - Commercial Sector
87	Transformer Size 750 - Commercial Sector
88	Transformer Size 1000 - Commercial Sector
89	Unitary AC Single Phase <= 5.4 Tons - Commercial Sector
90	Unitary AC 3 Phase <= 5.4 Tons - Commercial Sector
91	Unitary AC >5.4 & <= 11.25 tons - Commercial Sector
92	Unitary AC >11.25 & <= 20 tons - Commercial Sector
93	Unitary AC 25 tons - Commercial Sector
94	Custom Project - Commercial Sector
95	Agribusiness ENERGY STAR® Rated Exit Signs, All sizes - Multi-Family Sector
96	Agribusiness ENERGY STAR® Rated CFLs, Screw in, All sizes < 40 W - Multi-Family Sector
97	Agribusiness ENERGY STAR® Rated CFLs, Hard wired, All sizes < 40 W - Multi-Family Sector
98	Agribusiness Standard Performance T8, Single lamp standard T8 fixture - Multi-Family Sector
99	Agribusiness Standard Performance T8, Double lamp standard T8 fixture - Multi-Family Sector
100	Agribusiness Standard Performance T8, Triple lamp standard T8 fixture - Multi-Family Sector
101	Agribusiness Standard Performance T8, Quadruple lamp standard T8 fixture - Multi-Family Sector
102	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
103	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
104	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
105	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
106	Agribusiness T5 Fixtures, T5 fixture with 1, 2, or 3 lamps and 1 electronic ballast - Multi-Family Sector
107	Agribusiness T5 Fixtures, High Bay T5, Maximum 6 lamps/fixture - Multi-Family Sector
108	Agribusiness Metal Halide, 320 W Ceramic pulse start - Multi-Family Sector
109	Agribusiness Occupancy Sensors, Switch plate mounted occupancy sensor - Multi-Family Sector
110	Agribusiness Occupancy Sensors, Ceiling mounted occupancy sensor - Multi-Family Sector
111	Agribusiness Creep Heat Pads, up to 100W maximum - Multi-Family Sector
112	Agribusiness Creep Heat Pads, up to 200W maximum - Multi-Family Sector
113	Agribusiness High Temperature Cutout Thermostat - Multi-Family Sector
114	Agribusiness Creep Heat Controller - Multi-Family Sector
115	Agribusiness Energy Efficient Ventilation Exhaust Fans - Multi-Family Sector
116	Agribusiness Low Energy Livestock Waterers - Multi-Family Sector
117	Agribusiness Photocell and Timer for Lighting Control - Multi-Family Sector
118	Lighting System Exit Signs, 5 W or less - Multi-Family Sector
119	Lighting System ENERGY STAR® Rated CFLs, Screw in, All sizes < 40 W - Multi-Family Sector
120	Lighting System ENERGY STAR® Rated CFLs, Hard wired, All sizes < 40 W - Multi-Family Sector
121	Lighting System Standard Performance T8, Single lamp standard T8 fixture - Multi-Family Sector

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS > 50 to 4,999

[illegible]

2010 LRAM Revenue per measure	Program Total
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OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
122	Lighting System Standard Performance T8, Double lamp standard T8 fixture - Multi-Family Sector
123	Lighting System Standard Performance T8, Triple lamp standard T8 fixture - Multi-Family Sector
124	Lighting System Standard Performance T8, Quadropole lamp standard T8 fixture - Multi-Family Sector
125	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
126	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
127	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
128	Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying list)
129	Lighting System T5 Fixtures, T5 fixture with 1, 2, or 3 lamps and 1 electronic ballast - Multi-Family Sector
130	Lighting System T5 Fixtures, High Bay T5, Maximum 6 lamps/fixture, - Multi-Family Sector
131	Lighting System Metal Halide, 320 W Ceramic pulse start - Multi-Family Sector
132	Lighting System Occupancy Sensors, Switch plate mounted occupancy sensor - Multi-Family Sector
133	Lighting System Occupancy Sensors, Ceiling mounted occupancy sensor - Multi-Family Sector
134	Motor Open Drip-Proof (ODP), 1 HP - Multi-Family Sector
135	Motor Open Drip-Proof (ODP), 1.5 HP - Multi-Family Sector
136	Motor Open Drip-Proof (ODP), 2 HP - Multi-Family Sector
137	Motor Open Drip-Proof (ODP), 3 HP - Multi-Family Sector
138	Motor Open Drip-Proof (ODP), 5 HP - Multi-Family Sector
139	Motor Open Drip-Proof (ODP), 7.5 HP - Multi-Family Sector
140	Motor Open Drip-Proof (ODP), 10 HP - Multi-Family Sector
141	Motor Open Drip-Proof (ODP), 15 HP - Multi-Family Sector
142	Motor Open Drip-Proof (ODP), 20 HP - Multi-Family Sector
143	Motor Open Drip-Proof (ODP), 25 HP - Multi-Family Sector
144	Motor Open Drip-Proof (ODP), 30 HP - Multi-Family Sector
145	Motor Open Drip-Proof (ODP), 40 HP - Multi-Family Sector
146	Motor Open Drip-Proof (ODP), 50 HP - Multi-Family Sector
147	Motor Open Drip-Proof (ODP), 60 HP - Multi-Family Sector
148	Motor Open Drip-Proof (ODP), 75 HP - Multi-Family Sector
149	Motor Open Drip-Proof (ODP), 100 HP - Multi-Family Sector
150	Motor Open Drip-Proof (ODP), 125 HP - Multi-Family Sector
151	Motor Open Drip-Proof (ODP), 150 HP - Multi-Family Sector
152	Motor Open Drip-Proof (ODP), 200 HP - Multi-Family Sector
153	Motor Totally Enclosed Fan-Cooled (TEFC), 1 HP - Multi-Family Sector
154	Motor Totally Enclosed Fan-Cooled (TEFC), 1.5 HP - Multi-Family Sector
155	Motor Totally Enclosed Fan-Cooled (TEFC), 2 HP - Multi-Family Sector
156	Motor Totally Enclosed Fan-Cooled (TEFC), 3 HP - Multi-Family Sector
157	Motor Totally Enclosed Fan-Cooled (TEFC), 5 HP - Multi-Family Sector
158	Motor Totally Enclosed Fan-Cooled (TEFC), 7.5 HP - Multi-Family Sector
159	Motor Totally Enclosed Fan-Cooled (TEFC), 10 HP - Multi-Family Sector
160	Motor Totally Enclosed Fan-Cooled (TEFC), 15 HP - Multi-Family Sector
161	Motor Totally Enclosed Fan-Cooled (TEFC), 20 HP - Multi-Family Sector
162	Motor Totally Enclosed Fan-Cooled (TEFC), 25 HP - Multi-Family Sector
163	Motor Totally Enclosed Fan-Cooled (TEFC), 30 HP - Multi-Family Sector
164	Motor Totally Enclosed Fan-Cooled (TEFC), 40 HP - Multi-Family Sector
165	Motor Totally Enclosed Fan-Cooled (TEFC), 50 HP - Multi-Family Sector
166	Motor Totally Enclosed Fan-Cooled (TEFC), 60 HP - Multi-Family Sector
167	Motor Totally Enclosed Fan-Cooled (TEFC), 75 HP - Multi-Family Sector
168	Motor Totally Enclosed Fan-Cooled (TEFC), 100 HP - Multi-Family Sector
169	Motor Totally Enclosed Fan-Cooled (TEFC), 125 HP - Multi-Family Sector
170	Motor Totally Enclosed Fan-Cooled (TEFC), 150 HP - Multi-Family Sector
171	Motor Totally Enclosed Fan-Cooled (TEFC), 200 HP - Multi-Family Sector
172	Transformer Size 15 - Multi-Family Sector
173	Transformer Size 30 - Multi-Family Sector
174	Transformer Size 45 - Multi-Family Sector
175	Transformer Size 75 - Multi-Family Sector
176	Transformer Size 112.5 - Multi-Family Sector
177	Transformer Size 150 - Multi-Family Sector
178	Transformer Size 225 - Multi-Family Sector
179	Transformer Size 300 - Multi-Family Sector
180	Transformer Size 500 - Multi-Family Sector
181	Transformer Size 750 - Multi-Family Sector
182	Transformer Size 1000 - Multi-Family Sector
183	Unitary AC Single Phase <= 5.4 Tons - Multi-Family Sector
184	Unitary AC 3 Phase <= 5.4 Tons - Multi-Family Sector
185	Unitary AC >5.4 & <= 11.25 tons - Multi-Family Sector
186	Unitary AC >11.25 & <= 20 tons - Multi-Family Sector
187	Unitary AC 25 tons - Multi-Family Sector
188	Custom Project - Multi-Family Sector
189	Agribusiness ENERGY STAR® Rated Exit Signs, All sizes - Industrial Sector
190	Agribusiness ENERGY STAR® Rated CFLs, Screw in, All sizes < 40 W - Industrial Sector
191	Agribusiness ENERGY STAR® Rated CFLs, Hard wired, All sizes < 40 W - Industrial Sector
192	Agribusiness Standard Performance T8, Single lamp standard T8 fixture - Industrial Sector
193	Agribusiness Standard Performance T8, Double lamp standard T8 fixture - Industrial Sector
194	Agribusiness Standard Performance T8, Triple lamp standard T8 fixture - Industrial Sector
195	Agribusiness Standard Performance T8, Quadropole lamp standard T8 fixture - Industrial Sector
196	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
197	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
198	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
199	Agribusiness High Performance T8 (Consortium for Energy Efficiency qualifying list)
200	Agribusiness T5 Fixtures, T5 fixture with 1, 2, or 3 lamps and 1 electronic ballast - Industrial Sector
201	Agribusiness T5 Fixtures, High Bay T5, Maximum 6 lamps/fixture, - Industrial Sector
202	Agribusiness Metal Halide, 320 W Ceramic pulse start - Industrial Sector
203	Agribusiness Occupancy Sensors, Switch plate mounted occupancy sensor - Industrial Sector
204	Agribusiness Occupancy Sensors, Ceiling mounted occupancy sensor - Industrial Sector
205	Agribusiness Creep Heat Pads, up to 100W maximum - Industrial Sector
206	Agribusiness Creep Heat Pads, up to 200W maximum - Industrial Sector
207	Agribusiness High Temperature Cauts, up to 200W maximum - Industrial Sector
208	Agribusiness Creep Heat Controller - Industrial Sector
209	Agribusiness Energy Efficient Ventilation Exhaust Fans - Industrial Sector
210	Agribusiness Low Energy Livestock Waterers - Industrial Sector
211	Agribusiness Photocell and Timer for Lighting Control - Industrial Sector

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM Revenue per measure

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

Measure Name
212:Lighting System Exit Signs, 5 W or less - Industrial Sector
213:Lighting System ENERGY STAR® Rated CFLs, Screw in. All sizes < 40 W - Industrial Sector
214:Lighting System ENERGY STAR® Rated CFLs, Hard wired. All sizes < 40 W - Industrial Sector
215:Lighting System Standard Performance T8, Single lamp standard T8 fixture - Industrial Sector
216:Lighting System Standard Performance T8, Double lamp standard T8 fixture - Industrial Sector
217:Lighting System Standard Performance T8, Triple lamp standard T8 fixture - Industrial Sector
218:Lighting System Standard Performance T8, Quadraple lamp standard T8 fixture - Industrial Sector
219:Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying) - Industrial Sector
220:Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying) - Industrial Sector
221:Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying) - Industrial Sector
222:Lighting System High Performance T8 (Consortium for Energy Efficiency qualifying) - Industrial Sector
223:Lighting System T5 Fixtures, T5 fixture with 1, 2, or 3 lamps and 1 electronic ballast - Industrial Sector
224:Lighting System T5 Fixtures, High Bay T5. Maximum 6 lamps/fixture. - Industrial Sector
225:Lighting System Metal Halide, 320 W Ceramic pulse start - Industrial Sector
226:Lighting System Occupancy Sensors, Switch plate mounted occupancy sensor - Industrial Sector
227:Lighting System Occupancy Sensors, Ceiling mounted occupancy sensor - Industrial Sector
228:Motor Open Drip-Proof (ODP), 1 HP - Industrial Sector
229:Motor Open Drip-Proof (ODP), 1.5 HP - Industrial Sector
230:Motor Open Drip-Proof (ODP), 2 HP - Industrial Sector
231:Motor Open Drip-Proof (ODP), 3 HP - Industrial Sector
232:Motor Open Drip-Proof (ODP), 5 HP - Industrial Sector
233:Motor Open Drip-Proof (ODP), 7.5 HP - Industrial Sector
234:Motor Open Drip-Proof (ODP), 10 HP - Industrial Sector
235:Motor Open Drip-Proof (ODP), 15 HP - Industrial Sector
236:Motor Open Drip-Proof (ODP), 20 HP - Industrial Sector
237:Motor Open Drip-Proof (ODP), 25 HP - Industrial Sector
238:Motor Open Drip-Proof (ODP), 30 HP - Industrial Sector
239:Motor Open Drip-Proof (ODP), 40 HP - Industrial Sector
240:Motor Open Drip-Proof (ODP), 50 HP - Industrial Sector
241:Motor Open Drip-Proof (ODP), 60 HP - Industrial Sector
242:Motor Open Drip-Proof (ODP), 75 HP - Industrial Sector
243:Motor Open Drip-Proof (ODP), 100 HP - Industrial Sector
244:Motor Open Drip-Proof (ODP), 125 HP - Industrial Sector
245:Motor Open Drip-Proof (ODP), 150 HP - Industrial Sector
246:Motor Open Drip-Proof (ODP), 200 HP - Industrial Sector
247:Motor Totally Enclosed Fan-Cooled (TEFC), 1 HP - Industrial Sector
248:Motor Totally Enclosed Fan-Cooled (TEFC), 1.5 HP - Industrial Sector
249:Motor Totally Enclosed Fan-Cooled (TEFC), 2 HP - Industrial Sector
250:Motor Totally Enclosed Fan-Cooled (TEFC), 3 HP - Industrial Sector
251:Motor Totally Enclosed Fan-Cooled (TEFC), 5 HP - Industrial Sector
252:Motor Totally Enclosed Fan-Cooled (TEFC), 7.5 HP - Industrial Sector
253:Motor Totally Enclosed Fan-Cooled (TEFC), 10 HP - Industrial Sector
254:Motor Totally Enclosed Fan-Cooled (TEFC), 15 HP - Industrial Sector
255:Motor Totally Enclosed Fan-Cooled (TEFC), 20 HP - Industrial Sector
256:Motor Totally Enclosed Fan-Cooled (TEFC), 25 HP - Industrial Sector
257:Motor Totally Enclosed Fan-Cooled (TEFC), 30 HP - Industrial Sector
258:Motor Totally Enclosed Fan-Cooled (TEFC), 40 HP - Industrial Sector
259:Motor Totally Enclosed Fan-Cooled (TEFC), 50 HP - Industrial Sector
260:Motor Totally Enclosed Fan-Cooled (TEFC), 60 HP - Industrial Sector
261:Motor Totally Enclosed Fan-Cooled (TEFC), 75 HP - Industrial Sector
262:Motor Totally Enclosed Fan-Cooled (TEFC), 100 HP - Industrial Sector
263:Motor Totally Enclosed Fan-Cooled (TEFC), 125 HP - Industrial Sector
264:Motor Totally Enclosed Fan-Cooled (TEFC), 150 HP - Industrial Sector
265:Motor Totally Enclosed Fan-Cooled (TEFC), 200 HP - Industrial Sector
266:Transformer Size 15 - Industrial Sector
267:Transformer Size 30 - Industrial Sector
268:Transformer Size 45 - Industrial Sector
269:Transformer Size 75 - Industrial Sector
270:Transformer Size 112.5 - Industrial Sector
271:Transformer Size 150 - Industrial Sector
272:Transformer Size 225 - Industrial Sector
273:Transformer Size 300 - Industrial Sector
274:Transformer Size 500 - Industrial Sector
275:Transformer Size 750 - Industrial Sector
276:Transformer Size 1000 - Industrial Sector
277:Unitary AC Single Phase <= 5.4 Tons - Industrial Sector
278:Unitary AC 3 Phase <= 5.4 tons - Industrial Sector
279:Unitary AC >5.4 & <= 11.25 tons - Industrial Sector
280:Unitary AC >11.25 & <= 20 tons - Industrial Sector
281:Unitary AC 25 tons - Industrial Sector
282:Custom Project - Industrial Sector
1:Custom Project
1:T8 Fixture With Electronic Ballast
2:Energy Star® rated LED Exit Sign
3:Energy Star® rated CLF
4:Electric Water Heater Tank Wrap
5:Electric Water Heater Pipe Insulation
6:Aerator
7:Halogen
8:Other
1:Voluntary Load Shedding Project
1:Contractual Load Shedding Project
1:Rodan Contract
2:Loblaw Contract

	Unit Savings Assumptions					
Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	
Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
S Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
t Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
r Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
n Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
e Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
s Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
i Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
c Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
d Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
f Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
m Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
a Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
p Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
b Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
v Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
w Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
x Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
y Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
z Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
A Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
B Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
C Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
D Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
E Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
F Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
G Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
H Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
I Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
J Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
K Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
L Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
M Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
N Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
O Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
P Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	58.00	15.32	
Q Custom	Custom	Custom	Custom	70.00	14.00	
R 0.02	151.12	0.02	140.54	93.00	15.00	
S 0.03	236.52	0.03	219.96	93.00	16.00	
T 0.03	190.86	0.02	177.50	93.00	2.00	
U 0.05	438.28	0.04	405.74	93.00	7.00	
V 0.03	276.71	0.03	257.34	93.00	15.00	
W 0.03	309.76	0.03	288.08	93.00	5.00	
X 1.96	14.40	1.82	13.39	93.00	1.00	
Y 0.00	0.00	0.00	0.00	93.00	0.00	
Z Custom	Custom	Custom	Custom	100.00	1.00	
[Custom	Custom	Custom	Custom	100.00	1.00	
\ 19210.00	0.00	19210.00	0.00	100.00	1.00	
] 10000.00	0.00	10000.00	0.00	100.00	1.00	

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

\$	3,530.44		
\$	35.62	\$	3,530.44
\$	11.81	\$	35.62
\$	-		
\$	-		
\$	-		
\$	-		
\$	-		
\$	-	\$	11.81
\$	-		
\$	-		
\$	-		
\$	-		

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

#	Initiative Number	Initiative Name	Program Name	Program Year	Results Status
474	35	Great Refrigerator Roundup	Consumer	2009/Final	
475	35	Great Refrigerator Roundup	Consumer	2009/Final	
476	35	Great Refrigerator Roundup	Consumer	2009/Final	
477	35	Great Refrigerator Roundup	Consumer	2009/Final	
478	35	Great Refrigerator Roundup	Consumer	2009/Final	
479	35	Great Refrigerator Roundup	Consumer	2009/Final	
480	35	Great Refrigerator Roundup	Consumer	2009/Final	
481	35	Great Refrigerator Roundup	Consumer	2009/Final	
482	35	Great Refrigerator Roundup	Consumer	2009/Final	
483	35	Great Refrigerator Roundup	Consumer	2009/Final	
484	35	Great Refrigerator Roundup	Consumer	2009/Final	
485	35	Great Refrigerator Roundup	Consumer	2009/Final	
486	35	Great Refrigerator Roundup	Consumer	2009/Final	
487	35	Great Refrigerator Roundup	Consumer	2009/Final	
488	35	Great Refrigerator Roundup	Consumer	2009/Final	
489	35	Great Refrigerator Roundup	Consumer	2009/Final	
490	35	Great Refrigerator Roundup	Consumer	2009/Final	
491	35	Great Refrigerator Roundup	Consumer	2009/Final	
492	35	Great Refrigerator Roundup	Consumer	2009/Final	
493	35	Great Refrigerator Roundup	Consumer	2009/Final	
494	35	Great Refrigerator Roundup	Consumer	2009/Final	
495	35	Great Refrigerator Roundup	Consumer	2009/Final	
496	35	Great Refrigerator Roundup	Consumer	2009/Final	
497	35	Great Refrigerator Roundup	Consumer	2009/Final	
498	35	Great Refrigerator Roundup	Consumer	2009/Final	
499	35	Great Refrigerator Roundup	Consumer	2009/Final	
500	35	Great Refrigerator Roundup	Consumer	2009/Final	
501	35	Great Refrigerator Roundup	Consumer	2009/Final	
502	35	Great Refrigerator Roundup	Consumer	2009/Final	
503	35	Great Refrigerator Roundup	Consumer	2009/Final	
504	35	Great Refrigerator Roundup	Consumer	2009/Final	
505	35	Great Refrigerator Roundup	Consumer	2009/Final	
506	35	Great Refrigerator Roundup	Consumer	2009/Final	
507	35	Great Refrigerator Roundup	Consumer	2009/Final	
508	35	Great Refrigerator Roundup	Consumer	2009/Final	
509	35	Great Refrigerator Roundup	Consumer	2009/Final	
510	35	Great Refrigerator Roundup	Consumer	2009/Final	
511	35	Great Refrigerator Roundup	Consumer	2009/Final	
512	35	Great Refrigerator Roundup	Consumer	2009/Final	
513	35	Great Refrigerator Roundup	Consumer	2009/Final	
514	35	Great Refrigerator Roundup	Consumer	2009/Final	
515	35	Great Refrigerator Roundup	Consumer	2009/Final	
516	35	Great Refrigerator Roundup	Consumer	2009/Final	
517	35	Great Refrigerator Roundup	Consumer	2009/Final	
518	35	Great Refrigerator Roundup	Consumer	2009/Final	
519	35	Great Refrigerator Roundup	Consumer	2009/Final	
520	35	Great Refrigerator Roundup	Consumer	2009/Final	
521	35	Great Refrigerator Roundup	Consumer	2009/Final	
522	35	Great Refrigerator Roundup	Consumer	2009/Final	
523	35	Great Refrigerator Roundup	Consumer	2009/Final	
524	35	Great Refrigerator Roundup	Consumer	2009/Final	
525	35	Great Refrigerator Roundup	Consumer	2009/Final	
526	35	Great Refrigerator Roundup	Consumer	2009/Final	
527	35	Great Refrigerator Roundup	Consumer	2009/Final	
528	35	Great Refrigerator Roundup	Consumer	2009/Final	
529	35	Great Refrigerator Roundup	Consumer	2009/Final	
530	35	Great Refrigerator Roundup	Consumer	2009/Final	
531	35	Great Refrigerator Roundup	Consumer	2009/Final	
532	35	Great Refrigerator Roundup	Consumer	2009/Final	
533	35	Great Refrigerator Roundup	Consumer	2009/Final	
534	35	Great Refrigerator Roundup	Consumer	2009/Final	
535	35	Great Refrigerator Roundup	Consumer	2009/Final	
536	35	Great Refrigerator Roundup	Consumer	2009/Final	
537	35	Great Refrigerator Roundup	Consumer	2009/Final	
538	35	Great Refrigerator Roundup	Consumer	2009/Final	
539	35	Great Refrigerator Roundup	Consumer	2009/Final	
540	35	Great Refrigerator Roundup	Consumer	2009/Final	
541	35	Great Refrigerator Roundup	Consumer	2009/Final	
542	35	Great Refrigerator Roundup	Consumer	2009/Final	
543	35	Great Refrigerator Roundup	Consumer	2009/Final	
544	35	Great Refrigerator Roundup	Consumer	2009/Final	
545	35	Great Refrigerator Roundup	Consumer	2009/Final	
546	35	Great Refrigerator Roundup	Consumer	2009/Final	
547	35	Great Refrigerator Roundup	Consumer	2009/Final	
548	35	Great Refrigerator Roundup	Consumer	2009/Final	
549	35	Great Refrigerator Roundup	Consumer	2009/Final	
550	35	Great Refrigerator Roundup	Consumer	2009/Final	
551	35	Great Refrigerator Roundup	Consumer	2009/Final	
552	35	Great Refrigerator Roundup	Consumer	2009/Final	
553	35	Great Refrigerator Roundup	Consumer	2009/Final	
554	35	Great Refrigerator Roundup	Consumer	2009/Final	
555	35	Great Refrigerator Roundup	Consumer	2009/Final	
556	35	Great Refrigerator Roundup	Consumer	2009/Final	
557	35	Great Refrigerator Roundup	Consumer	2009/Final	
558	35	Great Refrigerator Roundup	Consumer	2009/Final	
559	35	Great Refrigerator Roundup	Consumer	2009/Final	
560	35	Great Refrigerator Roundup	Consumer	2009/Final	
561	35	Great Refrigerator Roundup	Consumer	2009/Final	

#	Measure Name
1	Bottom Freezer Fridge - Not Replaced - Not Running (0% of the time)
2	Bottom Freezer Fridge - Standard Efficiency Unit Replacement - Not Running (0% of the time)
3	Bottom Freezer Fridge - Energy Star Unit Replacement - Not Running (0% of the time)
4	Bottom Freezer Fridge - Not Replaced - Running Part Time (38% of the time)
5	Bottom Freezer Fridge - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)
6	Bottom Freezer Fridge - Energy Star Unit Replacement - Running Part Time (38% of the time)
7	Bottom Freezer Fridge - Not Replaced - Running All Time (100% of time time)
8	Bottom Freezer Fridge - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
9	Bottom Freezer Fridge - Energy Star Unit Replacement - Running All Time (100% of time time)
10	Chest Freezer - Not Replaced - Not Running (0% of the time)
11	Chest Freezer - Standard Efficiency Unit Replacement - Not Running (0% of the time)
12	Chest Freezer - Energy Star Unit Replacement - Not Running (0% of the time)
13	Chest Freezer - Not Replaced - Running Part Time (26% of the time)
14	Chest Freezer - Standard Efficiency Unit Replacement - Running Part Time (26% of the time)
15	Chest Freezer - Energy Star Unit Replacement - Running Part Time (26% of the time)
16	Chest Freezer - Not Replaced - Running All Time (100% of time time)
17	Chest Freezer - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
18	Chest Freezer - Energy Star Unit Replacement - Running All Time (100% of time time)
19	Side by Side Fridge-Freezer - Not Replaced - Not Running (0% of the time)
20	Side by Side Fridge-Freezer - Standard Efficiency Unit Replacement - Not Running (0% of the time)
21	Side by Side Fridge-Freezer - Energy Star Unit Replacement - Not Running (0% of the time)
22	Side by Side Fridge-Freezer - Not Replaced - Running Part Time (38% of the time)
23	Side by Side Fridge-Freezer - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)
24	Side by Side Fridge-Freezer - Energy Star Unit Replacement - Running Part Time (38% of the time)
25	Side by Side Fridge-Freezer - Not Replaced - Running All Time (100% of time time)
26	Side by Side Fridge-Freezer - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
27	Side by Side Fridge-Freezer - Energy Star Unit Replacement - Running All Time (100% of time time)
28	Single Door Fridge - Not Replaced - Not Running (0% of the time)
29	Single Door Fridge - Standard Efficiency Unit Replacement - Not Running (0% of the time)
30	Single Door Fridge - Energy Star Unit Replacement - Not Running (0% of the time)
31	Single Door Fridge - Not Replaced - Running Part Time (38% of the time)
32	Single Door Fridge - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)
33	Single Door Fridge - Energy Star Unit Replacement - Running Part Time (38% of the time)
34	Single Door Fridge - Not Replaced - Running All Time (100% of time time)
35	Single Door Fridge - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
36	Single Door Fridge - Energy Star Unit Replacement - Running All Time (100% of time time)
37	Small Fridge (under 10 cubic feet) - Not Replaced - Not Running (0% of the time)
38	Small Fridge (under 10 cubic feet) - Standard Efficiency Unit Replacement - Not Running (0% of the time)
39	Small Fridge (under 10 cubic feet) - Energy Star Unit Replacement - Not Running (0% of the time)
40	Small Fridge (under 10 cubic feet) - Not Replaced - Running Part Time (38% of the time)
41	Small Fridge (under 10 cubic feet) - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)
42	Small Fridge (under 10 cubic feet) - Energy Star Unit Replacement - Running Part Time (38% of the time)
43	Small Fridge (under 10 cubic feet) - Not Replaced - Running All Time (100% of time time)
44	Small Fridge (under 10 cubic feet) - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
45	Small Fridge (under 10 cubic feet) - Energy Star Unit Replacement - Running All Time (100% of time time)
46	Small Freezer (under 10 cubic feet) - Not Replaced - Not Running (0% of the time)
47	Small Freezer (under 10 cubic feet) - Standard Efficiency Unit Replacement - Not Running (0% of the time)
48	Small Freezer (under 10 cubic feet) - Energy Star Unit Replacement - Not Running (0% of the time)
49	Small Freezer (under 10 cubic feet) - Not Replaced - Running Part Time (26% of the time)
50	Small Freezer (under 10 cubic feet) - Standard Efficiency Unit Replacement - Running Part Time (26% of the time)
51	Small Freezer (under 10 cubic feet) - Energy Star Unit Replacement - Running Part Time (26% of the time)
52	Small Freezer (under 10 cubic feet) - Not Replaced - Running All Time (100% of time time)
53	Small Freezer (under 10 cubic feet) - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
54	Small Freezer (under 10 cubic feet) - Energy Star Unit Replacement - Running All Time (100% of time time)
55	Top Freezer Fridge - Not Replaced - Not Running (0% of the time)
56	Top Freezer Fridge - Standard Efficiency Unit Replacement - Not Running (0% of the time)
57	Top Freezer Fridge - Energy Star Unit Replacement - Not Running (0% of the time)
58	Top Freezer Fridge - Not Replaced - Running Part Time (38% of the time)
59	Top Freezer Fridge - Standard Efficiency Unit Replacement - Running Part Time (38% of the time)
60	Top Freezer Fridge - Energy Star Unit Replacement - Running Part Time (38% of the time)
61	Top Freezer Fridge - Not Replaced - Running All Time (100% of time time)
62	Top Freezer Fridge - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
63	Top Freezer Fridge - Energy Star Unit Replacement - Running All Time (100% of time time)
64	Upright Freezer - Not Replaced - Not Running (0% of the time)
65	Upright Freezer - Standard Efficiency Unit Replacement - Not Running (0% of the time)
66	Upright Freezer - Energy Star Unit Replacement - Not Running (0% of the time)
67	Upright Freezer - Not Replaced - Running Part Time (26% of the time)
68	Upright Freezer - Standard Efficiency Unit Replacement - Running Part Time (26% of the time)
69	Upright Freezer - Energy Star Unit Replacement - Running Part Time (26% of the time)
70	Upright Freezer - Not Replaced - Running All Time (100% of time time)
71	Upright Freezer - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
72	Upright Freezer - Energy Star Unit Replacement - Running All Time (100% of time time)
73	Dehumidifier - Not Replaced - Not Running (0% of the time)
74	Dehumidifier - Standard Efficiency Unit Replacement - Not Running (0% of the time)
75	Dehumidifier - Energy Star Unit Replacement - Not Running (0% of the time)
76	Dehumidifier - Not Replaced - Running Part Time (n/a% of the time)
77	Dehumidifier - Standard Efficiency Unit Replacement - Running Part Time (n/a% of the time)
78	Dehumidifier - Energy Star Unit Replacement - Running Part Time (n/a% of the time)
79	Dehumidifier - Not Replaced - Running All Time (100% of time time)
80	Dehumidifier - Standard Efficiency Unit Replacement - Running All Time (100% of time time)
81	Dehumidifier - Energy Star Unit Replacement - Running All Time (100% of time time)
82	Window Air Conditioner - Not Replaced - Not Running (0% of the time)
83	Window Air Conditioner - Standard Efficiency Unit Replacement - Not Running (0% of the time)
84	Window Air Conditioner - Energy Star Unit Replacement - Not Running (0% of the time)
85	Window Air Conditioner - Not Replaced - Running Part Time (n/a% of the time)
86	Window Air Conditioner - Standard Efficiency Unit Replacement - Running Part Time (n/a% of the time)
87	Window Air Conditioner - Energy Star Unit Replacement - Running Part Time (n/a% of the time)
88	Window Air Conditioner - Not Replaced - Running All Time (100% of time time)

Unit Savings Assumptions					
Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.09	673.84	0.05	365.25	54.21	5.00
0.06	454.43	0.03	246.33	54.21	5.00
0.07	498.31	0.04	270.11	54.21	5.00
0.25	1769.38	0.13	959.09	54.21	5.00
0.17	1193.26	0.09	646.81	54.21	5.00
0.18	1308.48	0.10	709.26	54.21	5.00
0.00	0.00	0.00	0.00	51.79	4.00
0.00	0.00	0.00	0.00	51.79	4.00
0.00	0.00	0.00	0.00	51.79	4.00
0.04	282.28	0.02	146.18	51.79	4.00
0.03	246.99	0.02	127.90	51.79	4.00
0.04	260.62	0.02	134.96	51.79	4.00
0.15	1096.24	0.08	567.69	51.79	4.00
0.13	959.18	0.07	496.71	51.79	4.00
0.14	1012.12	0.07	524.13	51.79	4.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.07	506.73	0.04	274.68	54.21	5.00
0.04	259.75	0.02	140.80	54.21	5.00
0.04	309.14	0.02	167.57	54.21	5.00
0.19	1330.59	0.10	721.25	54.21	5.00
0.10	682.05	0.05	369.70	54.21	5.00
0.11	811.75	0.06	440.01	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.06	417.95	0.03	226.55	54.21	5.00
0.03	237.24	0.02	128.60	54.21	5.00
0.04	273.38	0.02	148.19	54.21	5.00
0.15	1097.46	0.08	594.88	54.21	5.00
0.09	622.95	0.05	337.67	54.21	5.00
0.10	717.86	0.05	389.11	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.06	466.46	0.04	252.84	54.21	5.00
0.04	252.19	0.02	136.70	54.21	5.00
0.04	295.04	0.02	159.93	54.21	5.00
0.17	1224.84	0.09	663.92	54.21	5.00
0.09	662.21	0.05	358.95	54.21	5.00
0.11	774.73	0.06	419.95	54.21	5.00
0.00	0.00	0.00	0.00	51.79	4.00
0.00	0.00	0.00	0.00	51.79	4.00
0.00	0.00	0.00	0.00	51.79	4.00
0.04	295.71	0.02	153.13	51.79	4.00
0.03	190.54	0.01	98.67	51.79	4.00
0.03	201.05	0.01	104.12	51.79	4.00
0.16	1148.37	0.08	594.69	51.79	4.00
0.10	739.95	0.05	383.18	51.79	4.00
0.11	780.79	0.06	404.33	51.79	4.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.00	0.00	0.00	0.00	54.21	5.00
0.07	469.81	0.04	254.66	54.21	5.00
0.04	251.87	0.02	136.53	54.21	5.00
0.04	295.46	0.02	160.15	54.21	5.00
0.17	1233.65	0.09	668.70	54.21	5.00
0.09	661.37	0.05	358.50	54.21	5.00
0.11	775.83	0.06	420.54	54.21	5.00
0.00	0.00	0.00	0.00	51.79	4.00
0.00	0.00	0.00	0.00	51.79	4.00
0.00	0.00	0.00	0.00	51.79	4.00
0.05	364.58	0.03	188.80	51.79	4.00
0.02	179.53	0.01	92.97	51.79	4.00
0.03	189.44	0.01	98.10	51.79	4.00
0.20	1415.83	0.10	733.19	51.79	4.00
0.10	697.22	0.05	361.06	51.79	4.00
0.10	735.70	0.05	380.99	51.79	4.00
0.00	0.00	0.00	0.00	36.00	4.00
0.00	0.00	0.00	0.00	36.00	4.00
0.00	0.00	0.00	0.00	36.00	4.00
0.00	0.00	0.00	0.00	36.00	4.00
0.00	0.00	0.00	0.00	36.00	4.00
0.00	0.00	0.00	0.00	36.00	4.00
0.97	960.47	0.35	345.77	36.00	4.00
0.55	540.41	0.20	194.55	36.00	4.00
0.47	462.69	0.17	166.57	36.00	4.00
0.00	0.00	0.00	0.00	35.56	3.00
0.00	0.00	0.00	0.00	35.56	3.00
0.00	0.00	0.00	0.00	35.56	3.00
0.00	0.00	0.00	0.00	35.56	3.00
0.00	0.00	0.00	0.00	35.56	3.00
0.38	370.63	0.13	131.81	35.56	3.00

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

Initiative Number	Initiative Name	Program Name	Program Year	Results Status	#	Measure Name	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	2010 LRAM Revenue per measure	Program Total
562	35/Great Refrigerator Roundup	Consumer	2009	Final	89	Window Air Conditioner - Standard Efficiency Unit Replacement - Running All Time	0.12	117.62	0.04	41.83	35.56	3.00	0.57	0.07	67.56	0.02	24.03	\$ 0.32	\$ 3,788.02
563	35/Great Refrigerator Roundup	Consumer	2009	Final	90	Window Air Conditioner - Energy Star Unit Replacement - Running All Time (100%)	0.14	140.61	0.05	50.01	35.56	3.00	2.11	0.30	296.15	0.11	105.32	\$ 1.39	
564	36/Cool Savings Rebate	Consumer	2009	Final	1	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC)	0.12	112.69	0.07	65.10	57.77	18.00	98.21	12.10	11066.65	6.99	6392.86	\$ 84.39	
565	36/Cool Savings Rebate	Consumer	2009	Final	2	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC) with change in behavior	0.35	316.89	0.20	183.06	57.77	18.00	15.32	5.31	11066.65	3.07	2805.30	\$ 37.03	
566	36/Cool Savings Rebate	Consumer	2009	Final	3	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC)	0.19	176.79	0.11	102.13	57.77	18.00	258.04	49.88	45618.89	28.81	26352.60	\$ 347.85	
567	36/Cool Savings Rebate	Consumer	2009	Final	4	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC) with change in behavior	0.40	366.25	0.23	211.57	57.77	18.00	40.27	16.12	14748.33	9.31	8519.65	\$ 112.46	
568	36/Cool Savings Rebate	Consumer	2009	Final	5	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	1.66	2773.49	0.66	1101.29	39.71	19.00	21.92	36.34	60781.44	14.43	24134.91	\$ 318.58	
569	36/Cool Savings Rebate	Consumer	2009	Final	6	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.18	324.17	0.07	128.72	39.71	19.00	90.05	16.47	29190.36	6.54	11590.82	\$ 153.00	
570	36/Cool Savings Rebate	Consumer	2009	Final	7	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.05	91.05	0.02	36.15	39.71	19.00	7.14	0.39	650.46	0.15	258.28	\$ 3.41	
571	36/Cool Savings Rebate	Consumer	2009	Final	8	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	1.69	2822.51	0.67	1120.75	39.71	19.00	38.68	65.27	109170.77	25.92	43349.20	\$ 572.21	
572	36/Cool Savings Rebate	Consumer	2009	Final	9	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.21	373.20	0.08	148.19	39.71	19.00	158.93	33.46	59312.79	13.29	23551.75	\$ 310.88	
573	36/Cool Savings Rebate	Consumer	2009	Final	10	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.08	140.08	0.03	55.62	39.71	19.00	12.62	1.06	1767.44	0.42	701.81	\$ 9.26	
574	36/Cool Savings Rebate	Consumer	2009	Final	11	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.84	1534.82	0.33	609.44	39.71	19.00	6.34	5.30	9729.39	2.11	3863.32	\$ 51.00	
575	36/Cool Savings Rebate	Consumer	2009	Final	12	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.18	324.17	0.07	128.72	39.71	19.00	26.04	4.60	8441.69	1.83	3352.00	\$ 44.25	
576	36/Cool Savings Rebate	Consumer	2009	Final	13	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1990	0.10	192.10	0.04	76.28	39.71	19.00	2.06	0.22	396.26	0.09	157.34	\$ 2.08	
577	36/Cool Savings Rebate	Consumer	2009	Final	14	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	1.71	2866.54	0.68	1138.24	39.71	19.00	25.73	44.09	73752.25	17.51	29285.32	\$ 386.57	
578	36/Cool Savings Rebate	Consumer	2009	Final	15	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	0.12	207.11	0.05	82.24	39.71	19.00	105.70	12.35	21892.04	4.90	8692.83	\$ 114.75	
579	36/Cool Savings Rebate	Consumer	2009	Final	16	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	-0.03	-49.03	-0.01	-19.47	39.71	19.00	8.39	-0.25	-411.42	-0.10	-163.36	\$ (2.16)	
580	36/Cool Savings Rebate	Consumer	2009	Final	17	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	1.75	2926.57	0.69	1162.07	39.71	19.00	45.41	79.45	132895.76	31.55	52769.85	\$ 696.56	
581	36/Cool Savings Rebate	Consumer	2009	Final	18	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	0.15	267.14	0.06	106.08	39.71	19.00	186.57	28.12	49841.11	11.17	19790.76	\$ 261.24	
582	36/Cool Savings Rebate	Consumer	2009	Final	19	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	0.01	11.01	0.00	4.37	39.71	19.00	14.81	0.10	163.01	0.04	64.73	\$ 0.85	
583	36/Cool Savings Rebate	Consumer	2009	Final	20	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	0.86	1569.84	0.34	623.35	39.71	19.00	7.45	6.37	11688.92	2.53	4641.40	\$ 61.27	
584	36/Cool Savings Rebate	Consumer	2009	Final	21	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	0.11	207.11	0.04	82.24	39.71	19.00	30.57	3.45	6331.08	1.37	2513.93	\$ 33.18	
585	36/Cool Savings Rebate	Consumer	2009	Final	22	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1990	0.04	76.04	0.02	30.19	39.71	19.00	2.42	0.10	184.40	0.04	73.22	\$ 0.97	
586	36/Cool Savings Rebate	Consumer	2009	Final	23	Programmable Thermostat - Central Air Conditioning (CAC) & Gas heating	0.03	30.10	0.01	11.80	39.20	15.00	205.04	5.34	6171.90	2.09	2419.08	\$ 31.93	
587	36/Cool Savings Rebate	Consumer	2009	Final	24	Programmable Thermostat - Energy Star® Central Air Conditioning (CAC) & Gas Heating	0.02	25.65	0.01	10.05	39.20	15.00	274.82	6.10	7049.86	2.39	2763.20	\$ 36.47	
588	36/Cool Savings Rebate	Consumer	2009	Final	25	Programmable Thermostat - Gas Heating only	0.00	9.35	0.00	3.66	39.20	15.00	58.59	0.00	547.83	0.00	214.72	\$ 2.83	
589	36/Cool Savings Rebate	Consumer	2009	Final	26	Participant Spillover - Lighting	0.00	40.02	0.00	40.02	100.00	5.00	28.42	0.04	1137.25	0.04	1137.25	\$ 15.01	
590	36/Cool Savings Rebate	Consumer	2009	Final	27	Participant Spillover - Cooling or Heating	0.09	100.05	0.09	100.05	100.00	3.00	10.28	0.89	1028.68	0.89	1028.68	\$ 13.58	
591	36/Cool Savings Rebate	Consumer	2009	Final	28	Participant Spillover - Water heating	0.01	141.08	0.01	141.08	100.00	10.00	13.91	0.15	1962.33	0.15	1962.33	\$ 25.90	
592	36/Cool Savings Rebate	Consumer	2009	Final	29	Participant Spillover - Appliances	0.01	75.90	0.01	75.90	100.00	4.00	19.49	0.15	1479.28	0.15	1479.28	\$ 19.53	
593	36/Cool Savings Rebate	Consumer	2009	Final	30	Participant Spillover - Insulation of other weatherization	0.03	75.04	0.03	75.04	100.00	10.00	28.76	0.82	2158.16	0.82	2158.16	\$ 28.49	
594	36/Cool Savings Rebate	Consumer	2009	Final	31	Participant Spillover - Windows	0.09	100.05	0.09	100.05	100.00	10.00	22.45	1.91	2246.61	1.91	2246.61	\$ 29.66	
595	36/Cool Savings Rebate	Consumer	2009	Final	32	Participant Spillover - Roof products	0.00	50.03	0.00	50.03	100.00	15.00	10.87	0.05	543.62	0.05	543.62	\$ 7.18	
596	36/Cool Savings Rebate	Consumer	2009	Final	33	Participant Spillover - Other products	0.00	50.03	0.00	50.03	100.00	5.00	12.06	0.05	603.26	0.05	603.26	\$ 7.96	
597	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	1	Energy Star Qualified Compact Fluorescent - Spring Campaign - Participant Rebated	0.00	23.17	0.00	15.92	68.73	8.00	1081.87	0.78	25063.49	0.53	17225.92	\$ 227.38	\$ 3,818.16
598	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	2	ENERGY STAR Decorative CFLs - Spring Campaign - Participant Rebated	0.00	25.84	0.00	19.91	77.04	6.00	2565.55	2.06	66291.75	1.59	51074.26	\$ 674.18	
599	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	3	ENERGY STAR Fixtures - Spring Campaign - Participant Rebated	0.00	115.75	0.00	61.46	53.10	16.00	208.81	0.75	24170.43	0.40	12833.35	\$ 169.40	
600	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	4	ENERGY STAR Ceiling Fans - Spring Campaign - Participant Rebated	0.00	71.49	0.00	54.65	76.44	10.00	89.84	0.20	6423.05	0.15	4909.80	\$ 64.81	
601	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	5	Heavy Duty Pool and Spa Timers - Spring Campaign - Participant Rebated	0.06	454.07	0.05	343.52	75.65	10.00	33.98	2.04	15429.28	1.54	11672.59	\$ 154.08	
602	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	6	Clotheslines - Spring Campaign - Participant Rebated	0.01	77.27	0.00	42.77	55.36	10.00	86.78	0.75	6705.19	0.41	3711.80	\$ 49.00	
603	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	7	Pipe Wrap - Spring Campaign - Participant Rebated	0.00	8.07	0.00	6.31	78.23	6.00	71.52	0.04	577.35	0.03	451.63	\$ 5.96	
604	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	8	Water Blanket - Spring Campaign - Participant Rebated	0.00	52.47	0.00	42.16	80.34	10.00	9.45	0.04	495.77	0.03	398.29	\$ 5.26	
605	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	9	Window Film - Spring Campaign - Participant Rebated	0.00	0.00	0.00	0.00	48.95	0.00	24.71	0.00	0.00	0.00	0.00	0.00	\$ -
606	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	10	Energy Star Qualified Window Air Conditioner - Spring Campaign - Participant Promoted	0.10	96.40	0.07	64.62	67.03	12.00	88.95	8.68	8574.96	5.82	5748.05	\$ 75.87	
607	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	11	Energy Star Qualified Dehumidifiers - Spring Campaign - Participant Promoted	0.02	284.00	0.02	193.39	68.10	12.00	84.34	2.08	23952.44	1.41	16310.47	\$ 215.30	
608	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	12	Programmable Thermostat - Spring Campaign - Participant Promoted	0.05	137.80	0.02	62.41	45.29	15.00	206.90	10.38	28509.74	4.70	12913.23	\$ 170.45	
609	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	13	Solar Power Products - Spring Campaign - Participant Promoted	0.00	4.80	0.00	2.90	60.40	5.00	540.30	0.00	2593.44	0.00	1566.51	\$ 20.68	
610	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	14	Control Products - Spring Campaign - Participant Promoted	0.00	72.20	0.00	38.52	53.36	10.00	268.83	0.39	19409.70	0.21	10356.67	\$ 136.71	
611	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	15	Window Blinds and Awnings - Spring Campaign - Participant Promoted	0.00	0.00	0.00	0.00	28.54	0.00	279.37	0.00	0.00	0.00	0.00	0.00	\$ -
612	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	16	Reduce power to electronics (Behavioural) - Spring Campaign - Participant Spillover	0.00	21.29	0.00	3.19	14.98	1.00	112.67	0.21	2398.98	0.03	359.40	\$ -	
613	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	17	Installed CFLs - Spring Campaign - Participant Spillover	0.00	101.42	0.00	13.30	13.11	8.00	98.84	0.31	10024.27	0.04	1314.58	\$ 17.35	
614	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	18	Washed in Cold Laundry (Behavioural) - Spring Campaign - Participant Spillover	0.00	30.03	0.00	4.27	14.22	1.00	98.18	0.23	2948.24	0.03	419.10	\$ -	
615	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	19	Turned off/Reduced lights (Behavioural) - Spring Campaign - Participant Spillover	0.01	262.80	0.00	30.88	11.75	1.00	91.59	0.75	24069.19	0.09	2827.95	\$ -	
616	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	20	Dried clothes outside or on rack (Behavioural) - Spring Campaign - Participant Spillover	0.01	74.14	0.00	8.24	11.12	1.00	79.73	0.66	5910.71	0.07	656.99	\$ -	
617	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	21	Installed a new energy efficient appliance - Refrigerator - Spring Campaign - Participant Spillover	0.01	64.86	0.00	9.15	14.10	14.00	71.82	0.48	4658.27	0.07	656.89	\$ 8.67	
618	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	22	Unplugged devices usually left plugged in (Behavioural) - Spring Campaign - Participant Spillover	0.01	70.19	0.00	14.26	20.32	1.00	68.53	0.42	4809.80	0.08	977.44	\$ -	
619	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	23	Installed a new energy efficient appliance - Clothes washing machine - Spring Campaign - Participant Spillover	0.01	122.34	0.00	14.29	11.68	14.00	42.83	0.59	5239.51	0.07	612.13	\$ 8.08	
620	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	24	Added ceiling/attic/wall/basement insulation - Spring Campaign - Participant Spillover	0.10	394.00	0.01	46.03	11.68	20.00	42.83	4.45	16874.60	0.52	1971.45	\$ 26.02	
621	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	25	Installed Programmable Thermostat - Spring Campaign - Participant Spillover	0.02	308.36	0.00	38.57	12.51	15.00	42.17	0.92	13003.44	0.11	1626.57	\$ 21.47	
622	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	26	Energy Star Qualified Compact Fluorescent - Spring Campaign - Non-Participant Rebated	0.00	22.41	0.00	7.79	34.77	8.00	823.70	0.57	18459.61	0.20	6417.60	\$ 84.71	
623	37/Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	27	ENERGY STAR Decorative CFLs - Spring Campaign - Non-Participant Rebated	0.00	26.18	0.00	10.42	39.81	6.00	408.89	0.33	10704.82	0.13	4262.11	\$ 56.26	

Measure Results at End-User Level

	2009		2010	
	kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
Residential	kWh	0.0134	kWh	0.0131
GS < 50	kWh	0.0107	kWh	0.0104
GS >50 to 4,999	kW	3.6325	kW	3.5420

For: **Waterloo North Hydro Inc.**

VECC IR Q4a

Measure Results at End-User Level

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

For: Waterloo North Hydro Inc.

Initiative Number	Initiative Name	Program Name	Program Year	Result Status	#	Measure Name	Unit Savings Assumptions						LDC Specific Results				
							Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)
738	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	50	Lighting System 26-35W Infrared Coated Halogen MR16 Lamp - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
739	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	51	Lighting System <48W Infrared Coated Halogen PAR Lamp - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
740	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	52	Lighting System 49-60W Infrared Coated Halogen PAR Lamp - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
741	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	53	Lighting System Occupancy Sensors, Switch plate mounted occupancy sensor - Commercial	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
742	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	54	Lighting System Occupancy Sensors, Ceiling mounted occupancy sensor - Commercial	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
743	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	55	Motor Open Drip-Proof (ODP), 1 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
744	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	56	Motor Open Drip-Proof (ODP), 1.5 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
745	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	57	Motor Open Drip-Proof (ODP), 2 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
746	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	58	Motor Open Drip-Proof (ODP), 3 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
747	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	59	Motor Open Drip-Proof (ODP), 5 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
748	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	60	Motor Open Drip-Proof (ODP), 7.5 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
749	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	61	Motor Open Drip-Proof (ODP), 10 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
750	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	62	Motor Open Drip-Proof (ODP), 15 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
751	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	63	Motor Open Drip-Proof (ODP), 20 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
752	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	64	Motor Open Drip-Proof (ODP), 25 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
753	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	65	Motor Open Drip-Proof (ODP), 30 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
754	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	66	Motor Open Drip-Proof (ODP), 40 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
755	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	67	Motor Open Drip-Proof (ODP), 50 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
756	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	68	Motor Open Drip-Proof (ODP), 60 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
757	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	69	Motor Open Drip-Proof (ODP), 75 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
758	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	70	Motor Open Drip-Proof (ODP), 100 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
759	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	71	Motor Open Drip-Proof (ODP), 125 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n/a	n/a	n/a	n/a	n/a
760	39/Electricity Retrofit Incentive	Consumer, B4	2009	Final	72	Motor Open Drip-Proof (ODP), 150 HP - Commercial Sector	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	Quasi-Prescriptive	63.00	10.81	n				

2010 LRAM Revenue per measure	Program Total
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Measure Results at End-User Level

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

	Initiative Number	Initiative Name	Program Name	Program Year	Results Status	#	Measure Name
	828	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	140	Lighting System High Performance Medium Bay T8, 6 Lamp - Multi-Family Sector
	829	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	141	Lighting System High Performance Medium Bay T8, 8 Lamp - Multi-Family Sector
	830	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	142	Lighting System T5, 1-3 Lamps - Multi-Family Sector
	831	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	143	Lighting System Medium and High Bay T5, 4 Lamps - Multi-Family Sector
	832	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	144	Lighting System Medium and High Bay T5, 6 Lamps - Multi-Family Sector
	833	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	145	Lighting System Medium and High Bay T5, 8 Lamps - Multi-Family Sector
	834	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	146	Lighting System Medium and High Bay T5, 10 Lamps - Multi-Family Sector
	835	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	147	Lighting System Medium and High Bay T5, 12 Lamps - Multi-Family Sector
	836	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	148	Lighting System 320W Pulse-Start Ceramic Metal Halide Lamp - Multi-Family Sector
	837	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	149	Lighting System <30W PAR Self-Ballasted Ceramic Metal Halide Lamp - Multi-Family Sector
	838	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	150	Lighting System 150W Metal Halide Lamp - Multi-Family Sector
	839	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	151	Lighting System 360W Metal Halide Lamp - Multi-Family Sector
	840	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	152	Lighting System 225W High Pressure Sodium Lamp - Multi-Family Sector
	841	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	153	Lighting System <200W Metal Halide Electronic Ballast - Multi-Family Sector
	842	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	154	Lighting System 250-360W Metal Halide Electronic Ballast - Multi-Family Sector
	843	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	155	Lighting System 400W Metal Halide Electronic Ballast - Multi-Family Sector
	844	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	156	Lighting System <200W High Pressure Sodium Electronic Ballast - Multi-Family Sector
	845	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	157	Lighting System 250W High Pressure Sodium Electronic Ballast - Multi-Family Sector
	846	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	158	Lighting System 400W High Pressure Sodium Electronic Ballast - Multi-Family Sector
	847	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	159	Lighting System 600W High Pressure Sodium Electronic Ballast - Multi-Family Sector
	848	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	160	Lighting System 1000W High Pressure Sodium Electronic Ballast - Multi-Family Sector
	849	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	161	Lighting System <25W Infrared Coated Halogen MR16 Lamp - Multi-Family Sector
	850	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	162	Lighting System 26-35W Infrared Coated Halogen MR16 Lamp - Multi-Family Sector
	851	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	163	Lighting System <48W Infrared Coated Halogen PAR Lamp - Multi-Family Sector
	852	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	164	Lighting System 49-60W Infrared Coated Halogen PAR Lamp - Multi-Family Sector
	853	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	165	Lighting System Occupancy Sensors, Switch plate mounted occupancy sensor - Multi-Family Sector
	854	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	166	Lighting System Occupancy Sensors, Ceiling mounted occupancy sensor - Multi-Family Sector
	855	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	167	Motor Open Drip-Proof (ODP), 1 HP - Multi-Family Sector
	856	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	168	Motor Open Drip-Proof (ODP), 1.5 HP - Multi-Family Sector
	857	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	169	Motor Open Drip-Proof (ODP), 2 HP - Multi-Family Sector
	858	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	170	Motor Open Drip-Proof (ODP), 3 HP - Multi-Family Sector
	859	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	171	Motor Open Drip-Proof (ODP), 5 HP - Multi-Family Sector
	860	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	172	Motor Open Drip-Proof (ODP), 7.5 HP - Multi-Family Sector
	861	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	173	Motor Open Drip-Proof (ODP), 10 HP - Multi-Family Sector
	862	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	174	Motor Open Drip-Proof (ODP), 15 HP - Multi-Family Sector
	863	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	175	Motor Open Drip-Proof (ODP), 20 HP - Multi-Family Sector
	864	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	176	Motor Open Drip-Proof (ODP), 25 HP - Multi-Family Sector
	865	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	177	Motor Open Drip-Proof (ODP), 30 HP - Multi-Family Sector
	866	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	178	Motor Open Drip-Proof (ODP), 40 HP - Multi-Family Sector
	867	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	179	Motor Open Drip-Proof (ODP), 50 HP - Multi-Family Sector
	868	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	180	Motor Open Drip-Proof (ODP), 60 HP - Multi-Family Sector
	869	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	181	Motor Open Drip-Proof (ODP), 75 HP - Multi-Family Sector
	870	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	182	Motor Open Drip-Proof (ODP), 100 HP - Multi-Family Sector
	871	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	183	Motor Open Drip-Proof (ODP), 125 HP - Multi-Family Sector
	872	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	184	Motor Open Drip-Proof (ODP), 150 HP - Multi-Family Sector
	873	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	185	Motor Open Drip-Proof (ODP), 200 HP - Multi-Family Sector
	874	39/Electricity Retrofit Incentive	Consumer, B	2009	Final	186	Motor Totally Enclosed Fan-Cooled (TEFC), 1 HP - Multi-Family Sector
	875	39/E					

[illegible][illegible]

2010 IRAM Revenue per measure	Program Total
\$ 6,035.53	\$ 6,035.53
\$ 1,144.39	\$ 1,144.39

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
3.3)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2- 4' end to end 25 watt lamp
4.4)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' end to end 32 watt lamp
5.5)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 4' 32 watt lamps + reflect
6.6)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 4' lamps with either 32
7.7)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 4' 32 watt lamps + Reflect
8.8)	From: 1 Lamp 4' -T12-40W-Magnetic Ballasts to: 1- 4' lamp with either 32 w
9.9)	From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1- 4' 32 watt lamp + reflect
10.10)	From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' lamps with either 32
11.11)	From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refl
12.12)	From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 4- 4' lamps with either 32
13.13)	From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1- 4' lamp with either 32 w
14.14)	From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 1- 4' 32 watt lamp + refl
15.15)	From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' lamps with either 32
16.16)	From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refl
17.17)	From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4- 4' lamps with either 32
18.18)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 U-Tube Lamps 2'
19.19)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 Linear 2' + Reflect
20.20)	From: 2- 15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated L
21.21)	From: 2- 15W Lamps Exit Sign - incandescent to: Replace entire fixture with i
22.22)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated e
23.23)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated e
24.24)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated e
25.25)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated e
26.26)	From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
27.27)	From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
28.28)	From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
29.29)	From: 40- 60W standard incandescent PAR Lights - Track lighting or product
30.30)	From: 40- 60W standard halogen PAR Lights - Track lighting or product high
31.31)	From: 75W standard incandescent PAR Lights - Track lighting or product high
32.32)	From: 75W standard incandescent PAR Lights - Track lighting or product high
33.33)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
34.34)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
35.35)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
36.36)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
37.37)	From: No Insulation Jacket (50-119 Gal) to: Insulation Jacket 5/32" barrier b
38.38)	From: No Insulation Jacket (12-40 Gal) to: Insulation Jacket 5/32" barrier b
39.39)	From: No Pipe insulation to: Pipe insulation (10 ft flexible polyethylene insu
40.40)	From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater
41.41)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (L
42.42)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 - S
43.43)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$2001 - r
44.44)	From: Contractor (Non-Classified Locations) to: First 10 devices or fraction
45.45)	From: Contractor (Non-Classified Locations) to: Each additional 10 devices
46.46)	From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' 32 watt lamps + refl
47.47)	From: Contractor (Non-Classified Locations) - Minimum fee if the total fee o
48.48)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 8' lamps with 90% balla
49.49)	From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 8' lamps with 2 electri
50.50)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 8' 59watt lamps + reflect
51.51)	From: 4 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 8' lamps with 2 electri
52.52)	From: 2 Lamps 4' -T8 32W-Magnetic Ballasts to: 2- 4' 25 watt lamps with el
53.53)	From: 2- 4' T12 High Output Lamps High Output T12-Magnetic Ballasts to:
54.54)	From: 2- 8' T12 High Output Lamps High Output T12-Magnetic Ballasts to:
55.55)	From: 175W Metal Halide Metal Halide to: 1- 150W Metal Halide Direct La
56.56)	From: 400W Metal Halide Metal Halide to: 1- 350W Metal Halide Direct La
57.57)	From: 250W Metal Halide Metal Halide to: 4- 4' Lamps with either 32 watt
58.58)	From: 400W Metal Halide Metal Halide to: 6- 4' Lamps with either 32 watt
59.59)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated e
60.60)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated e
61.61)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated e
62.62)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated e
63.63)	From: 65- 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to:
64.64)	From: 100- 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to:
65.65)	From: 40- 60W standard halogen PAR Lights - Track lighting or product high
66.66)	From: 4' T12 Tube Guard T12 Tube Guard to: 4' T8 Tube Guards T8-Electron
67.67)	From: 8' T12 Tube Guard T12 Tube Guard to: 8' T8 Tube Guards T8-Electron
68.68)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2- 4' Lamps, end to end 32
69.69)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 1- 8' lamp with 80% ballast
70.70)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2- 4' end to end 25 watt lamp
71.4)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' end to end 32 watt lamp
72.5)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refl
73.6)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 4' lamps with either 32
74.7)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 4' 32 watt lamps + Reflect
75.8)	From: 1 Lamp 4' -T12-40W-Magnetic Ballasts to: 1- 4' lamp with either 32 w
76.9)	From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1- 4' 32 watt lamp + reflect
77.10)	From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' lamps with either 32
78.11)	From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refl
79.12)	From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 4- 4' lamps with either 32
80.13)	From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1- 4' lamp with either 32 w
81.14)	From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 1- 4' 32 watt lamp + refl
82.15)	From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' lamps with either 32
83.16)	From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refl
84.17)	From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4- 4' lamps with either 32
85.18)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 U-Tube Lamps 2

	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Unit Savings Assumptions		Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)
			Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)		
P	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
t	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
st	n/a	n/a	n/a	n/a	95.00	8.56
rt	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
o	n/a	n/a	n/a	n/a	95.00	8.56
v	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
a	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
V	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
V	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
r	n/a	n/a	n/a	n/a	95.00	8.56
L	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
F	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
1	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
h	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
k	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
l	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
e	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
r	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
o	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
rt	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
Q	n/a	n/a	n/a	n/a	95.00	8.56
5	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
e	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
S	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
st	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
Y	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
ab	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
F	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
v	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
g	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
a	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
h	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
h	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
o	n/a	n/a	n/a	n/a	95.00	8.56
V	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
C	n/a	n/a	n/a	n/a	95.00	8.56
n	n/a	n/a	n/a	n/a	95.00	8.56
h	n/a	n/a	n/a	n/a	95.00	8.56

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
93.26)	From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
94.27)	From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
95.28)	From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
96.29)	From: 40 - 60W standard incandescent PAR Lights - Track lighting or product
97.30)	From: 40 - 60W standard halogen PAR Lights - Track lighting or product high
98.31)	From: 75W standard incandescent PAR Lights - Track lighting or product high
99.32)	From: 75W standard incandescent PAR Lights - Track lighting or product high
100.33)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
101.34)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
102.35)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
103.36)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
104.37)	From: No Insulation Jacket (50-119 Gal) to: Insulation Jacket 5/32" barrier b
105.38)	From: No Insulation Jacket (12-40 Gal) to: Insulation Jacket 5/32" barrier bu
106.39)	From: No Pipe insulation to: Pipe insulation (10 ft flexible polyethylene insu
107.40)	From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater
108.41)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (La
109.42)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 - S
110.43)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$2001 - S
111.44)	From: Contractor (Non-Classified Locations) to: First 10 devices or fraction t
112.45)	From: Contractor (Non-Classified Locations) to: Each additional 10 devices
113.46)	From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4 - 4' 32 watt lamps + refl
114.47)	From: Contractor (Non-Classified Locations) - Minimum fee if the total fee c
115.48)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2 - 8' lamps with 90% ball
116.49)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4 - 8' lamps with 2 electr
117.50)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 8 - 8' 59watt lamps + refle
118.51)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 4 - 8' lamps with 2 electr
119.52)	From: 2 Lamps 4' -T8-32W-Magnetic Ballasts to: 2 - 4' 25 watt lamps with e
120.53)	From: 2 - 4' T12 High Output Lamps High Output T12-Magnetic Ballasts to:
121.54)	From: 2 - 8' T12 High Output Lamps High Output T12-Magnetic Ballasts to:
122.55)	From: 175W Metal Halide Metal Halide to: 1 - 150W Metal Halide Direct L
123.56)	From: 400W Metal Halide Metal Halide to: 1 - 350W Metal Halide Direct L
124.57)	From: 250W Metal Halide Metal Halide to: 4 - 4' Lamps with either 32 watt
125.58)	From: 400W Metal Halide Metal Halide to: 6 - 4' Lamps with either 32 wa
126.59)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated
127.60)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated
128.61)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated
129.62)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated
130.63)	From: 65 - 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to:
131.64)	From: 100 - 150W Incandescent R Lamp Incandescent R Lamp on Dimmers t
132.65)	From: 40 - 60W standard halogen PAR Lights - Track lighting or product high
133.66)	From: 4' T12 Tube Guard T12 Tube Guard to: 4' T8 Tube Guards T8-Electr
134.67)	From: 8' T12 Tube Guard T12 Tube Guard to: 8' T8 Tube Guards T8-Electr
135.1)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2 - 4' Lamps, end to end 32
136.2)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 1 - 8' lamp with 80% ballas
137.3)	From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2 - 4' end to end 25 watt la
138.4)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4 - 4' end to end 32 watt l
139.5)	From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + refle
140.6)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 4 - 4' lamps with either 32
141.7)	From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + Refle
142.8)	From: 1 Lamp 4' -T12-40W-Magnetic Ballasts to: 1 - 4' lamp with either 32 w
143.9)	From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1 - 4' 32 watt lamp + refle
144.10)	From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 2 - 4' lamps with either 32
145.11)	From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + refle
146.12)	From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 4 - 4' lamps with either 32
147.13)	From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1 - 4' lamp with either 32 w
148.14)	From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 1 - 4' 32 watt lamp + refle
149.15)	From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2 - 4' lamps with either 32
150.16)	From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + refle
151.17)	From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4 - 4' lamps with either 32
152.18)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 U-Tube Lamps 2"
153.19)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 Linear 2" + Reflect
154.20)	From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated
155.21)	From: 2-15W Lamps Exit Sign - incandescent to: Replace entire fixture with
156.22)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated
157.23)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated
158.24)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated
159.25)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated
160.26)	From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
161.27)	From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
162.28)	From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
163.29)	From: 40 - 60W standard incandescent PAR Lights - Track lighting or product
164.30)	From: 40 - 60W standard halogen PAR Lights - Track lighting or product high
165.31)	From: 75W standard incandescent PAR Lights - Track lighting or product high
166.32)	From: 75W standard incandescent PAR Lights - Track lighting or product high
167.33)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
168.34)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
169.35)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
170.36)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
171.37)	From: No Insulation Jacket (50-119 Gal) to: Insulation Jacket 5/32" barrier b
172.38)	From: No Insulation Jacket (12-40 Gal) to: Insulation Jacket 5/32" barrier bu
173.39)	From: No Pipe insulation to: Pipe insulation (10 ft flexible polyethylene insu
174.40)	From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater
175.41)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (La
176.42)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 - S
177.43)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$2001 - S
178.44)	From: Contractor (Non-Classified Locations) to: First 10 devices or fractio
179.45)	From: Contractor (

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

Residential
GS < 50
GS >50 to 4,999

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

For: Waterloo North Hydro Inc.

#	Initiative Number	Initiative Name	Program Name	Program Year	Results Status	#	Measure Name
	1105	42:Power Savings Blitz	Business	2009	Final	183	49) From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4 - 8' lamps with 2 electronic ballasts
	1106	42:Power Savings Blitz	Business	2009	Final	184	50) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 8' 59wat lamps + electronic ballasts
	1107	42:Power Savings Blitz	Business	2009	Final	185	51) From: 4 Lamps 8' -T12-60W-Magnetic Ballasts to: 4 - 8' lamps with 2 electronic ballasts
	1108	42:Power Savings Blitz	Business	2009	Final	186	52) From: 2 Lamps 4' -T8-32W-Magnetic Ballasts to: 2 - 4' 25 watt lamps with electronic ballasts
	1109	42:Power Savings Blitz	Business	2009	Final	187	53) From: 2 - 4' T12 High Output Lamps High Output T12-Magnetic Ballasts to: 2 - 4' 25 watt lamps with electronic ballasts
	1110	42:Power Savings Blitz	Business	2009	Final	188	54) From: 2 - 8' T12 High Output Lamps High Output T12-Magnetic Ballasts to: 2 - 8' 59wat lamps + electronic ballasts
	1111	42:Power Savings Blitz	Business	2009	Final	189	55) From: 175W Metal Halide Metal Halide to: 1 - 150W Metal Halide Direct Lamps
	1112	42:Power Savings Blitz	Business	2009	Final	190	56) From: 400W Metal Halide Metal Halide to: 1 - 350W Metal Halide Direct Lamps
	1113	42:Power Savings Blitz	Business	2009	Final	191	57) From: 250W Metal Halide Metal Halide to: 4 - 4' Lamps with either 32 watt or 40 watt electronic ballasts
	1114	42:Power Savings Blitz	Business	2009	Final	192	58) From: 400W Metal Halide Metal Halide to: 6 - 4' Lamps with either 32 watt or 40 watt electronic ballasts
	1115	42:Power Savings Blitz	Business	2009	Final	193	59) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1116	42:Power Savings Blitz	Business	2009	Final	194	60) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1117	42:Power Savings Blitz	Business	2009	Final	195	61) From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1118	42:Power Savings Blitz	Business	2009	Final	196	62) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1119	42:Power Savings Blitz	Business	2009	Final	197	63) From: 65 - 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to: 65 - 75W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1120	42:Power Savings Blitz	Business	2009	Final	198	64) From: 100 - 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to: 100 - 150W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1121	42:Power Savings Blitz	Business	2009	Final	199	65) From: 40 - 60W standard halogen PAR Lights - Track lighting or product lighting to: 40 - 60W ENERGY STAR® rated Compact Fluorescent (CFL) Lamps
	1122	42:Power Savings Blitz	Business	2009	Final	200	66) From: 4' T12 Tube Guard T12 Tube Guard to: 4' T8 Tube Guards T8-Electronic Ballasts
	1123	42:Power Savings Blitz	Business	2009	Final	201	67) From: 8' T12 Tube Guard T12 Tube Guard to: 8' T8 Tube Guards T8-Electronic Ballasts
	1605	53:Great Refrigerator Roundup	Consumer	2010	Final	1	Dehumidifier
	1606	53:Great Refrigerator Roundup	Consumer	2010	Final	2	Freezer
	1607	53:Great Refrigerator Roundup	Consumer	2010	Final	3	Refrigerator
	1608	53:Great Refrigerator Roundup	Consumer	2010	Final	4	Window Air Conditioner
	1609	54:Cool Savings Rebate	Consumer	2010	Final	1	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC)
	1610	54:Cool Savings Rebate	Consumer	2010	Final	2	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC) with change in behavior
	1611	54:Cool Savings Rebate	Consumer	2010	Final	3	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC)
	1612	54:Cool Savings Rebate	Consumer	2010	Final	4	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC) with change in behavior
	1613	54:Cool Savings Rebate	Consumer	2010	Final	5	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1614	54:Cool Savings Rebate	Consumer	2010	Final	6	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1615	54:Cool Savings Rebate	Consumer	2010	Final	7	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1616	54:Cool Savings Rebate	Consumer	2010	Final	8	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1617	54:Cool Savings Rebate	Consumer	2010	Final	9	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1618	54:Cool Savings Rebate	Consumer	2010	Final	10	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1619	54:Cool Savings Rebate	Consumer	2010	Final	11	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1620	54:Cool Savings Rebate	Consumer	2010	Final	12	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1621	54:Cool Savings Rebate	Consumer	2010	Final	13	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1/1/09
	1622	54:Cool Savings Rebate	Consumer	2010	Final	14	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1623	54:Cool Savings Rebate	Consumer	2010	Final	15	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1624	54:Cool Savings Rebate	Consumer	2010	Final	16	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1625	54:Cool Savings Rebate	Consumer	2010	Final	17	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1626	54:Cool Savings Rebate	Consumer	2010	Final	18	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1627	54:Cool Savings Rebate	Consumer	2010	Final	19	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1628	54:Cool Savings Rebate	Consumer	2010	Final	20	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1/1/09
	1629	54:Cool Savings Rebate	Consumer	2010	Final	21	Furnace with Electronically Commutated Motor (ECM), Home

[illegible][illegible]

	Program Total
2010 LRAM Revenue per measure	
\$ 23,224.81	\$ 23,224.81
2009 Total	\$ 44,379.41
\$ 12.54	
\$ 808.39	
\$ 2,863.89	
\$ 30.57	
\$ 108.85	\$ 3,715.39
\$ 62.93	
\$ 406.45	
\$ 173.09	
\$ 620.27	
\$ 190.78	
\$ 144.31	
\$ 688.21	
\$ 239.46	
\$ 159.90	
\$ 93.56	
\$ 52.00	
\$ 21.81	
\$ 752.57	
\$ 143.09	
\$ 196.46	
\$ 837.68	
\$ 201.22	
\$ 217.89	
\$ 112.34	
\$ 39.00	
\$ 26.12	
\$ 41.63	
\$ 45.73	
\$ 3.12	
\$ 72.25	\$ 5,578.46
\$ 248.66	
\$ 15.58	
\$ 23.02	
\$ 1.40	
\$ 30.20	
\$ 49.36	
\$ 70.51	
\$ 36.19	
\$ 8.43	
\$ 50.40	
\$ 22.13	
\$ 2.40	
\$ 1.96	
\$ 6.61	
\$ 3.76	
\$ 6.45	
\$ 2.29	
\$ 5.57	
\$ 1.00	
\$ 165.56	
\$ 52.43	
\$ 10.02	
\$ 12.42	
\$ 23.63	
\$ 3.48	
\$ 7.78	
\$ 48.10	
\$ 3.75	
\$ 41.82	
\$ 1.32	
\$ 1.59	
\$ 80.82	
\$ 16.58	
\$ 5.13	
\$ 29.81	

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

Residential
GS < 50
GS >50 to 4,999

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
38	Sealed around windows / doors-Spillover Actions - Fall
39	Unplugged devices usually plugged into outlet-Spillover Actions - Fall
40	Installed compact fluorescent lights that were not rebated by the Power Sav
41	Dried clothes inside on a rack-Spillover Actions - Fall
42	Energy Star Specialty CFLs-Non-Participant Campaign Products
43	Energy Star Fixtures-Non-Participant Campaign Products
44	Weatherstripping - adhesive foam or V-strip-Non-Participant Campaign Products
45	Weatherstripping - door frame kits-Non-Participant Campaign Products
46	Baseboard Programmable Thermostat-Non-Participant Campaign Products
47	Pipe Wrap-Non-Participant Campaign Products
48	Water Blanket-Non-Participant Campaign Products
49	Lighting Controls-Non-Participant Campaign Products
50	Power Bar-Non-Participant Campaign Products
51	Programmable Thermostat-Fall Campaign (Non-Participant Promoted)
52	Solar Powered Products-Fall Campaign (Non-Participant Promoted)
53	Window Sealing Kits-Fall Campaign (Non-Participant Promoted)
54	Energy Star 4.0 & 5.0 Television Program
55	Energy Star 4.0 & 5.0 Television Program - Spillover Actions
1	Residential Air Conditioner - Switch
2	Residential Air Conditioner - Thermostat
3	Commercial Air Conditioner - Switch
4	Commercial Air Conditioner - Thermostat
1	Business Project
2	Multi-Family Project
1	Custom Project
1	1) From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2- 4' Lamps, end to end 32 wa
2	2) From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 1- 8' Lamp with 80% ballast
3	3) From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 2- 4' end to end 25 watt la
4	4) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' end to end 32 watt la
5	5) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refle
6	6) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 4' lamps with either 32
7	7) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 4' 32 watt lamps + Refle
8	8) From: 1 Lamp 4' -T12-40W-Magnetic Ballasts to: 1- 4' lamp with either 32 wa
9	9) From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1- 4' 32 watt lamp + reflect
10	10) From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' lamps with either 32
11	11) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refle
12	12) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 4- 4' lamps with either 32
13	13) From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1- 4' lamp with either 32 w
14	14) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 1- 4' 32 watt lamp + refle
15	15) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' lamps with either 32
16	16) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' 32 watt lamps + refle
17	17) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4- 4' lamps with either 32
18	18) From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 U-Tube Lamps 2' -T8-
19	19) From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 U-Tube Lamps 2' -T8-
20	20) From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 Linear 2' + Reflector P
21	21) From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 Linear 2' + Reflector P
22	22) From: 2-15W Lamps Exit Sign - Incandescent to: 3W LED Energy Star rated LE
23	23) From: 2-15W Lamps Exit Sign - Incandescent to: Replace entire fixture with LE
24	24) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated C
25	25) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated C
26	26) From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated
27	27) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated
28	28) From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
29	29) From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
30	30) From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to
31	31) From: 40- 60W standard incandescent PAR Lights - Track lighting or product li
32	32) From: 40- 60W standard halogen PAR Lights - Track lighting or product high
33	33) From: 75W standard incandescent PAR Lights - Track lighting or product high
34	34) From: 75W standard incandescent PAR Lights - Track lighting or product high
35	35) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to:
36	36) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to:
37	37) From: 100W standard incandescent or greater PAR Lights - Track lighting or
38	38) From: 100W standard incandescent or greater PAR Lights - Track lighting or
39	39) From: No Insulation Jacket (119 Gal) to: Insulation Jacket 5/32" barrier bubb
40	40) From: No Insulation Jacket (80 Gal) to: Insulation Jacket 5/32" barrier bubb
41	41) From: No Insulation Jacket (65 Gal) to: Insulation Jacket 5/32" barrier bubb
42	42) From: No Insulation Jacket (50 Gal) to: Insulation Jacket 5/32" barrier bubb
43	43) From: No Insulation Jacket (40 Gal) to: Insulation Jacket 5/32" barrier bubb
44	44) From: No Insulation Jacket (30 Gal) to: Insulation Jacket 5/32" barrier bubb
45	45) From: No Insulation Jacket (20 Gal) to: Insulation Jacket 5/32" barrier bubb
46	46) From: No Insulation Jacket (12 Gal) to: Insulation Jacket 5/32" barrier bubb
47	47) From: No Pipe insulation to: Pipe insulation (10 ft flexible polyethylene insula
48	48) From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater O
49	49) From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (Lab
50	50) From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (Lab
51	51) From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (Lab
52	52) From: Contractor (Non-Classified Locations) to: First 10 devices or fraction t
53	53) From: Contractor (Non-Classified Locations) to: Each additional 10 devices o
54	54) From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' 32 watt lamps + refle
55	55) From: Contractor (Non-Classified Locations) - Minimum fee if the total free fo
56	56) From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 8' lamps with 90% ballas
57	57) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 8' lamps with 2 elect
58	58) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 8' 59watt lamps + refle
59	59) From: 4 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 8' lamps with 2 elect
60	60) From: 2 Lamps 4' -T8-32W-Magnetic Ballasts to: 2- 4' 25 watt lamps with 2
61	61) From: 2- 4' T12 High Output Lamps High Output T12-Magnetic Ballasts to: 2

[illegible][illegible]

2010 LRAM Revenue per measure	Program Total
\$ 10.44	
\$ 34.51	
\$ 14.23	
\$ 8.18	
\$ 23.99	
\$ 31.35	
\$ 2.50	
\$ 1.47	
\$ -	
\$ 0.13	
\$ -	
\$ 3.93	
\$ 2.27	
\$ 47.76	
\$ 1.96	
\$ 0.75	
\$ 1,058.26	
\$ 147.01	
	\$ 2,562.66
\$ -	
\$ 24.95	
\$ -	
\$ 1.37	
	\$ 26.32
\$ 4,535.58	
\$ 46.28	
	\$ 4,581.86
\$ 4,011.55	4,011.55

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
62.54)	From: 2- 8" T12 High Output Lamps High Output T12-Magnetic Ballasts to:
63.55)	From: 175W Metal Halide Metal Halide to: 1- 150W Metal Halide Direct L
64.56)	From: 400W Metal Halide Metal Halide to: 1- 350W Metal Halide Direct L
65.57)	From: 250W Metal Halide Metal Halide to: 4- 4" Lamps with either 32 watt
66.58)	From: 400W Metal Halide Metal Halide to: 6- 4" Lamps with either 32 watt
67.59)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated
68.60)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated
69.61)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated
70.62)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated
71.63)	From: 65- 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to:
72.64)	From: 100- 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to:
73.65)	From: 40- 60W standard halogen PAR Lights - Track lighting or product high
74.66)	From: 4" T12 Tube Guard T12 Tube Guard to: 4" T8 Tube Guards T8-Electron
75.67)	From: 8" T12 Tube Guard T12 Tube Guard to: 8" T8 Tube Guards T8-Electron
76.1)	From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 2- 4" Lamps, end to end 32
77.2)	From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 1- 8' lamp with 80% ballast
78.3)	From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 2- 4" end to end 25 watt l
79.4)	From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 4- 4" end to end 32 watt l
80.5)	From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 2- 4" 32 watt lamps + refle
81.6)	From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 4- 4" lamps with either 32
82.7)	From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 2- 4" 32 watt lamps + Refle
83.8)	From: 1 Lamp 4" T12-40W-Magnetic Ballasts to: 1- 4" lamp with either 32 w
84.9)	From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 1- 4" 32 watt lamp + refle
85.10)	From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 2- 4" lamps with either 3
86.11)	From: 4 Lamps 4" T12-40W-Magnetic Ballasts to: 2- 4" 32 watt lamps + ref
87.12)	From: 4 Lamps 4" T12-40W-Magnetic Ballasts to: 4- 4" lamps with either 3
88.13)	From: 1 Lamp 4" T12-34W-Magnetic Ballasts to: 1- 4" lamp with either 32
89.14)	From: 2 Lamps 4" T12-34W-Magnetic Ballasts to: 1- 4" 32 watt lamp + refle
90.15)	From: 2 Lamps 4" T12-34W-Magnetic Ballasts to: 2- 4" lamps with either 3
91.16)	From: 4 Lamps 4" T12-34W-Magnetic Ballasts to: 2- 4" 32 watt lamps + ref
92.17)	From: 4 Lamps 4" T12-34W-Magnetic Ballasts to: 4- 4" lamps with either 3
93.18)	From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 U-Tube Lamps 2" T8
94.18)	From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 U-Tube Lamps 2" T8
95.19)	From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 Linear 2" + Reflector
96.19)	From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 Linear 2" + Reflector
97.20)	From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated L
98.21)	From: 2-15W Lamps Exit Sign - incandescent to: Replace entire fixture with
99.22)	From: 100W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated
100.23)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated
101.24)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated
102.25)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated
103.26)	From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
104.27)	From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
105.28)	From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to:
106.29)	From: 40- 60W standard incandescent PAR Lights - Track lighting or product
107.30)	From: 40- 60W standard halogen PAR Lights - Track lighting or product high
108.31)	From: 75W standard incandescent PAR Lights - Track lighting or product high
109.32)	From: 75W standard incandescent PAR Lights - Track lighting or product high
110.33)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
111.34)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to
112.35)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
113.36)	From: 100W standard incandescent or greater PAR Lights - Track lighting or
114.37)	From: No Insulation Jacket (119 Gal) to: Insulation Jacket 5/32" barrier bub
115.37)	From: No Insulation Jacket (80 Gal) to: Insulation Jacket 5/32" barrier bub
116.37)	From: No Insulation Jacket (65 Gal) to: Insulation Jacket 5/32" barrier bub
117.37)	From: No Insulation Jacket (50 Gal) to: Insulation Jacket 5/32" barrier bub
118.38)	From: No Insulation Jacket (40 Gal) to: Insulation Jacket 5/32" barrier bub
119.38)	From: No Insulation Jacket (30 Gal) to: Insulation Jacket 5/32" barrier bub
120.38)	From: No Insulation Jacket (20 Gal) to: Insulation Jacket 5/32" barrier bub
121.38)	From: No Insulation Jacket (12 Gal) to: Insulation Jacket 5/32" barrier bub
122.39)	From: No Pipe insulation to: Pipe insulation (10 ft flexible polyethylene insu
123.40)	From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater c
124.41)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (L
125.42)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (L
126.43)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$2001 -
127.44)	From: Contractor (Non-Classified Locations) to: First 10 devices or fraction
128.45)	From: Contractor (Non-Classified Locations) to: Each additional 10 devices
129.46)	From: 4 Lamps 8" T12-75W-Magnetic Ballasts to: 4- 4" 32 watt lamps + ref
130.47)	From: Contractor (Non-Classified Locations) - Minimum fee if the total fee
131.48)	From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 2- 8" lamps with 90% balla
132.49)	From: 4 Lamps 8" T12-75W-Magnetic Ballasts to: 4- 8" lamps with 2 electr
133.50)	From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 2- 8" 59watt lamps + electr
134.51)	From: 4 Lamps 8" T12-60W-Magnetic Ballasts to: 4- 8" lamps with 2 electr
135.52)	From: 2 Lamps 4" T8 32W-Magnetic Ballasts to: 2- 4" 25 watt lamps with
136.53)	From: 2- 4" T12 High Output Lamps High Output T12-Magnetic Ballasts to:
137.54)	From: 2- 8" T12 High Output Lamps High Output T12-Magnetic Ballasts to:
138.55)	From: 175W Metal Halide Metal Halide to: 1- 150W Metal Halide Direct L
139.56)	From: 400W Metal Halide Metal Halide to: 1- 350W Metal Halide Direct L
140.57)	From: 250W Metal Halide Metal Halide to: 4- 4" Lamps with either 32 watt
141.58)	From: 40W Metal Halide Metal Halide to: 6- 4" Lamps with either 32 watt
142.59)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated
143.60)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated
144.61)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated
145.62)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated
146.63)	From: 65- 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to:
147.64)	From: 100- 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to:

		Unit Savings Assumptions				Effective Useful Life (EUL)
		Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	
	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
F	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
C	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
V	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
W	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
f	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
n	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
c	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
v	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
f	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
n	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
c	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
v	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
f	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
n	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
c	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
v	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
f	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
n	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
c	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
v	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
f	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
n	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
c	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
v	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67
w	n/a	n/a	n/a	n/a	99.00	7.67
	n/a	n/a	n/a	n/a	99.00	7.67

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

Measure Results at End-User Level

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS > 50 to 4,999

For: Waterloo North Hydro Inc.

Initiative Number	Initiative Name	Program Name	Program Year	Result Status	#	Measure Name	Unit Savings Assumptions						LDC Specific Results					
							Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	
1852	60/Power Savings Blitz	Business	2010	Final	152	2) From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 1- 8' lamp with 80% ballast factor	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1853	60/Power Savings Blitz	Business	2010	Final	153	3) From: 1 lamp 8' -T12-75W-Magnetic Ballasts to: 2- 4' end to end 25 watt lamp	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1854	60/Power Savings Blitz	Business	2010	Final	154	4) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' end to end 32 watt lamp	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1855	60/Power Savings Blitz	Business	2010	Final	155	5) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 4' 32 watt lamps + reflector	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1856	60/Power Savings Blitz	Business	2010	Final	156	6) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 4' lamps with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1857	60/Power Savings Blitz	Business	2010	Final	157	7) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 4' 32 watt lamps + Reflector	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1858	60/Power Savings Blitz	Business	2010	Final	158	8) From: 1 Lamp 4' -T12-40W-Magnetic Ballasts to: 1- 4' lamp with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1859	60/Power Savings Blitz	Business	2010	Final	159	9) From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1- 4' 32 watt lamp + reflector	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1860	60/Power Savings Blitz	Business	2010	Final	160	10) From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' lamps with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1861	60/Power Savings Blitz	Business	2010	Final	161	11) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2- 4' 32 watt lamps + reflector	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1862	60/Power Savings Blitz	Business	2010	Final	162	12) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 4- 4' lamps with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1863	60/Power Savings Blitz	Business	2010	Final	163	13) From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1- 4' lamp with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1864	60/Power Savings Blitz	Business	2010	Final	164	14) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 1- 4' 32 watt lamp + reflector	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1865	60/Power Savings Blitz	Business	2010	Final	165	15) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' lamps with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1866	60/Power Savings Blitz	Business	2010	Final	166	16) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 2- 4' 32 watt lamps + reflector	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1867	60/Power Savings Blitz	Business	2010	Final	167	17) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4- 4' lamps with either 32 watt	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1868	60/Power Savings Blitz	Business	2010	Final	168	18) From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 U-Tube Lamps 2' -T8-3	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1869	60/Power Savings Blitz	Business	2010	Final	169	18) From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 U-Tube Lamps 2' -T8-3	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1870	60/Power Savings Blitz	Business	2010	Final	170	19) From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 Linear 2' + Reflector Fixture	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1871	60/Power Savings Blitz	Business	2010	Final	171	19) From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 Linear 2' + Reflector Fixture	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1872	60/Power Savings Blitz	Business	2010	Final	172	20) From: 2-15W Lamps Exit Sign - Incandescent to: 3W LED Energy Star rated LED	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1873	60/Power Savings Blitz	Business	2010	Final	173	21) From: 2-15W Lamps Exit Sign - Incandescent to: Replace entire fixture with LED	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1874	60/Power Savings Blitz	Business	2010	Final	174	22) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated CFL	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1875	60/Power Savings Blitz	Business	2010	Final	175	23) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated CFL	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1876	60/Power Savings Blitz	Business	2010	Final	176	24) From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated CFL	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1877	60/Power Savings Blitz	Business	2010	Final	177	25) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated CFL	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1878	60/Power Savings Blitz	Business	2010	Final	178	26) From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 1	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1879	60/Power Savings Blitz	Business	2010	Final	179	27) From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 1	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1880	60/Power Savings Blitz	Business	2010	Final	180	28) From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 1	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1881	60/Power Savings Blitz	Business	2010	Final	181	29) From: 40- 60W standard incandescent PAR Lights - Track lighting or product highl	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1882	60/Power Savings Blitz	Business	2010	Final	182	30) From: 40- 60W standard halogen PAR Lights - Track lighting or product highl	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1883	60/Power Savings Blitz	Business	2010	Final	183	31) From: 75W standard incandescent PAR Lights - Track lighting or product highl	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1884	60/Power Savings Blitz	Business	2010	Final	184	32) From: 75W standard incandescent PAR Lights - Track lighting or product highl	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1885	60/Power Savings Blitz	Business	2010	Final	185	33) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to: 2	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1886	60/Power Savings Blitz	Business	2010	Final	186	34) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to: 6	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1887	60/Power Savings Blitz	Business	2010	Final	187	35) From: 100W standard incandescent or greater PAR Lights - Track lighting or pr	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1888	60/Power Savings Blitz	Business	2010	Final	188	36) From: 100W standard incandescent or greater PAR Lights - Track lighting or pr	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1889	60/Power Savings Blitz	Business	2010	Final	189	37) From: No Insulation Jacket (119 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1890	60/Power Savings Blitz	Business	2010	Final	190	37) From: No Insulation Jacket (80 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1891	60/Power Savings Blitz	Business	2010	Final	191	37) From: No Insulation Jacket (65 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1892	60/Power Savings Blitz	Business	2010	Final	192	37) From: No Insulation Jacket (50 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1893	60/Power Savings Blitz	Business	2010	Final	193	38) From: No Insulation Jacket (40 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1894	60/Power Savings Blitz	Business	2010	Final	194	38) From: No Insulation Jacket (30 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1895	60/Power Savings Blitz	Business	2010	Final	195	38) From: No Insulation Jacket (20 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1896	60/Power Savings Blitz	Business	2010	Final	196	38) From: No Insulation Jacket (12 Gal) to: Insulation Jacket 5/32" barrier bubble	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1897	60/Power Savings Blitz	Business	2010	Final	197	39) From: No Pipe Insulation to: Pipe insulation (10 ft flexible polyethylene insulat	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1898	60/Power Savings Blitz	Business	2010	Final	198	40) From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater On	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1899	60/Power Savings Blitz	Business	2010	Final	199	41) From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (Labo	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1900	60/Power Savings Blitz	Business	2010	Final	200	42) From: Authorized Contractor Program (ACP) to: Work Order cost >\$500 - \$20	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1901	60/Power Savings Blitz	Business	2010	Final	201	43) From: Authorized Contractor Program (ACP) to: Work Order cost >\$2001 - \$5	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1902	60/Power Savings Blitz	Business	2010	Final	202	44) From: Contractor (Non-Classified Locations) to: First 10 devices or fraction the	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1903	60/Power Savings Blitz	Business	2010	Final	203	45) From: Contractor (Non-Classified Locations) to: Each additional 10 devices or	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1904	60/Power Savings Blitz	Business	2010	Final	204	46) From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 4' 32 watt lamps + refle	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1905	60/Power Savings Blitz	Business	2010	Final	205	47) From: Contractor (Non-Classified Locations) - Minimum fee if the total fee for t	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1906	60/Power Savings Blitz	Business	2010	Final	206	48) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2- 8' lamps with 90% balla	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1907	60/Power Savings Blitz	Business	2010	Final	207	49) From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4- 8' lamps with 2 electron	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1908	60/Power Savings Blitz	Business	2010	Final	208	50) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2- 8' 59wat lamps + reflect	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1909	60/Power Savings Blitz	Business	2010	Final	209	51) From: 4 Lamps 8' -T12-60W-Magnetic Ballasts to: 4- 8' lamps with 2 electron	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1910	60/Power Savings Blitz	Business	2010	Final	210	52) From: 2 Lamps 4' -T8 32W-Magnetic Ballasts to: 2- 4' 25 watt lamps with ele	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1911	60/Power Savings Blitz	Business	2010	Final	211	53) From: 2- 4' T12 High Output Lamps High Output T12-Magnetic Ballasts to: 2	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1912	60/Power Savings Blitz	Business	2010	Final	212	54) From: 2- 8' T12 High Output Lamps High Output T12-Magnetic Ballasts to: 2	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1913	60/Power Savings Blitz	Business	2010	Final	213	55) From: 175W Metal Halide Metal Halide to: 1- 150W Metal Halide Direct Lan	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1914	60/Power Savings Blitz	Business	2010	Final	214	56) From: 400W Metal Halide Metal Halide to: 1- 350W Metal Halide Direct Lan	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1915	60/Power Savings Blitz	Business	2010	Final	215	57) From: 250W Metal Halide Metal Halide to: 4- 4' Lamps with either 32 watt l	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1916	60/Power Savings Blitz	Business	2010	Final	216	58) From: 400W Metal Halide Metal Halide to: 6- 4' Lamps with either 32 watt l	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1917	60/Power Savings Blitz	Business	2010	Final	217	59) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated CF	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1918	60/Power Savings Blitz	Business	2010	Final	218	60) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated CF	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1919	60/Power Savings Blitz	Business	2010	Final	219	61) From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated C	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1920	60/Power Savings Blitz	Business	2010	Final	220	62) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated C	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1921	60/Power Savings Blitz	Business	2010	Final	221	63) From: 65- 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to: 1	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1922	60/Power Savings Blitz	Business	2010	Final	222	64) From: 100- 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to:	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1923	60/Power Savings Blitz	Business	2010	Final	223	65) From: 40- 60W standard halogen PAR Lights - Track lighting or product highl	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a
1924	60/Power Savings Blitz	Business	2010	Final	224	66) From												

2010 LRAM Revenue per measure	Program Total
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OPA Conservation & Demand Management Programs

Measure Results at End-User Level

Residential
GS < 50
GS >50 to 4,999

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

For: Waterloo North Hydro Inc.

[illegible]

Measure Name	Unit Savings Assumptions					Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)
	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)			
16.StandardT8_Single - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
17.StandardT8_Two - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
18.StandardT8_Three - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
19.StandardT8_Four - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
20.RWHighT8Fixtures_Single - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
21.RWHighT8Fixtures_Two - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
22.RWHighT8Fixtures_Three - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
23.RWHighT8Fixtures_Four - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
24.StdMedBayT8_Four - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	76.00	9.09	
25.MedBayT8_Six - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
26.MedBayT8_Eight - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
27.HighMedBayT8_Four - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
28.HighMedBayT8_Six - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
29.HighMedBayT8_Eight - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
30.T5Fixture_1Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
31.T5Fixture_2Lamps - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
32.T5Fixture_3Lamps - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
33.T5Fixture_H01Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
34.T5Fixture_H02Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
35.T5MedHighFixture_4Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
36.T5MedHighFixture_6Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
37.T5MedHighFixture_8Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
38.T5MedHighFixture_10Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
39.T5MedHighFixture_12Lamp - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
40.PulseStart_MetalHalide - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
41.InfraredHalogen_25W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
42.InfraredHalogen_26-35W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
43.InfraredHalogen_36-48W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
44.InfraredHalogen_49-60W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
45.Self-BallastedMetalHalide120W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
46.Self-BallastedMetalHalide50W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
47.MetalHalide_150W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
48.MetalHalide_360W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
49.HighPressure_225W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
50.ElecBallast_MetalHde200-W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
51.ElecBallast_MetalHde250-360W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
52.ElecBallast_MetalHde400+W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
53.ElecBallast_HighPress200-W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
54.ElecBallast_HighPress250W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
55.ElecBallast_HighPress400W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
56.ElecBallast_HighPress600W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
57.ElecBallast_HighPress1000W - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
58.OccSen_SwitchPlate - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
59.OccSen_CeilingMounted - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
60.TempControls_InSuiteHeat - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
61.TempControls_InSuiteCool - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
62.TempControls_Heat&Cool - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
63.ECM_AirFurnace - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
64.GroundSource_LowRise - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
65.GroundSource_HighRise - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
66.GroundSource_Average - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
67.Non-ElectricChillers - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
68.EnerStarWasher - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
69.NaturalGasDryer_InSuite - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
70.NaturalGasDryer_Common - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
71.EnergyStar_DishWasher - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
72.EnergyStar_Fridge - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
73.EnergyStar_CeilingFan - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
74.Non-ElectricWaterHeater - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
75.SolarHotWaterCollector - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
76.Non-ElectricTankHotWater - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
77.DrainWaterHeatRecovery - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
78.DomesticHotWaterRecirc - Corridor / Parking Area Energy Savings application - Multi-Unit Residential	n/a	n/a	n/a	n/a	76.00	9.09	
79.EnergyStarExitSigns - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
80.FridgeLEDStripLight - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
81.NonDimmCFLsScrew_In - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
82.NonDimmCFLs_par11W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
83.NonDimmCFLs_par12-20W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
84.NonDimmCFLs_par20+W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
85Dimm&NonDimmCFL2-pin14W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
86Dimm&NonDimmCFL2-pin26W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
87Dimm&NonDimmCFL2-pin39W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
88Dimm&NonDimmCFL4-pin14W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
89Dimm&NonDimmCFL4-pin26W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
90Dimm&NonDimmCFL4-pin39W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
91DimmCFLs_0-16W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
92DimmCFLs_17-20W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
93DimmCFLs_21+W - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
94.StandardT8_Single - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
95.StandardT8_Two - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
96.StandardT8_Three - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
97.StandardT8_Four - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
98.RWHighT8Fixtures_Single - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
99.RWHighT8Fixtures_Two - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
100.RWHighT8Fixtures_Three - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
101.RWHighT8Fixtures_Four - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
102.StdMedBayT8_Four - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
103.MedBayT8_Six - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
104.MedBayT8_Eight - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	
105.HighMedBayT8_Four - Suite Savings application - Multi-Unit Residential Building sector	n/a	n/a	n/a	n/a	76.00	9.09	

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
106	HighMedBayT8_Six - Suite Savings application - Multi-Unit Residential Building section
107	HighMedBayT8_Eight - Suite Savings application - Multi-Unit Residential Building section
108	TSFixture_1Lamp - Suite Savings application - Multi-Unit Residential Building section
109	TSFixture_2Lamps - Suite Savings application - Multi-Unit Residential Building section
110	TSFixture_3Lamps - Suite Savings application - Multi-Unit Residential Building section
111	TSFixture_HO1Lamp - Suite Savings application - Multi-Unit Residential Building section
112	TSFixture_HO2Lamp - Suite Savings application - Multi-Unit Residential Building section
113	TSMedHighFixture_4Lamp - Suite Savings application - Multi-Unit Residential Building section
114	TSMedHighFixture_6Lamp - Suite Savings application - Multi-Unit Residential Building section
115	TSMedHighFixture_8Lamp - Suite Savings application - Multi-Unit Residential Building section
116	TSMedHighFixture_10Lamp - Suite Savings application - Multi-Unit Residential Building section
117	TSMedHighFixture_12Lamp - Suite Savings application - Multi-Unit Residential Building section
118	PulseStart_MetalHalide - Suite Savings application - Multi-Unit Residential Building section
119	InfraredHalogen_25W - Suite Savings application - Multi-Unit Residential Building section
120	InfraredHalogen_26-35W - Suite Savings application - Multi-Unit Residential Building section
121	InfraredHalogen_36-48W - Suite Savings application - Multi-Unit Residential Building section
122	InfraredHalogen_49-60W - Suite Savings application - Multi-Unit Residential Building section
123	Self-BallastedMetalHalide120W - Suite Savings application - Multi-Unit Residential Building section
124	Self-BallastedMetalHalide50W - Suite Savings application - Multi-Unit Residential Building section
125	MetalHalide_150W - Suite Savings application - Multi-Unit Residential Building section
126	MetalHalide_360W - Suite Savings application - Multi-Unit Residential Building section
127	HighPressure_225W - Suite Savings application - Multi-Unit Residential Building section
128	Electroballast_MetalHde200-W - Suite Savings application - Multi-Unit Residential Building section
129	Electroballast_MetalHde250-360W - Suite Savings application - Multi-Unit Residential Building section
130	Electroballast_MetalHde400-W - Suite Savings application - Multi-Unit Residential Building section
131	Electroballast_HighPress200W - Suite Savings application - Multi-Unit Residential Building section
132	Electroballast_HighPress250W - Suite Savings application - Multi-Unit Residential Building section
133	Electroballast_HighPress400W - Suite Savings application - Multi-Unit Residential Building section
134	Electroballast_HighPress600W - Suite Savings application - Multi-Unit Residential Building section
135	Electroballast_HighPress1000W - Suite Savings application - Multi-Unit Residential Building section
136	OccSen_SwitchPlate - Suite Savings application - Multi-Unit Residential Building section
137	OccSen_CeilingMounted - Suite Savings application - Multi-Unit Residential Building section
138	TempControls_InSuiteCool - Suite Savings application - Multi-Unit Residential Building section
139	TempControls_InSuiteHeat - Suite Savings application - Multi-Unit Residential Building section
140	TempControls_Heat&Cool - Suite Savings application - Multi-Unit Residential Building section
141	ECM_AirFurnace - Suite Savings application - Multi-Unit Residential Building section
142	GroundSource_LowRise - Suite Savings application - Multi-Unit Residential Building section
143	GroundSource_HighRise - Suite Savings application - Multi-Unit Residential Building section
144	GroundSource_Average - Suite Savings application - Multi-Unit Residential Building section
145	Non-ElectricChillers - Suite Savings application - Multi-Unit Residential Building section
146	EnerStarWasher - Suite Savings application - Multi-Unit Residential Building section
147	NaturalGasDryer_InSuite - Suite Savings application - Multi-Unit Residential Building section
148	NaturalGasDryer_Common - Suite Savings application - Multi-Unit Residential Building section
149	Energystar_DishWasher - Suite Savings application - Multi-Unit Residential Building section
150	Energystar_Fridge - Suite Savings application - Multi-Unit Residential Building section
151	Energystar_CeilingFan - Suite Savings application - Multi-Unit Residential Building section
152	Non-ElectricWaterHeater - Suite Savings application - Multi-Unit Residential Building section
153	SolarHotWaterCollector - Suite Savings application - Multi-Unit Residential Building section
154	Non-ElectricTankHotWater - Suite Savings application - Multi-Unit Residential Building section
155	DrainWaterHeatRecovery - Suite Savings application - Multi-Unit Residential Building section
156	DomesticHotWaterRecirc - Suite Savings application - Multi-Unit Residential Building section
157	EnergyStarExisTings - Retail / Common Area Savings application - Multi-Unit Residential Building section
158	FridgeLEDStripLight - Retail / Common Area Savings application - Multi-Unit Residential Building section
159	NonDimmCFLsCrew Lin - Retail / Common Area Savings application - Multi-Unit Residential Building section
160	NonDimmCFLs pin11W - Retail / Common Area Savings application - Multi-Unit Residential Building section
161	NonDimmCFLs par12-20W - Retail / Common Area Savings application - Multi-Unit Residential Building section
162	NonDimmCFLs par20+W - Retail / Common Area Savings application - Multi-Unit Residential Building section
163	Dimm&NonDimmCFL2-pin14W - Retail / Common Area Savings application - Multi-Unit Residential Building section
164	Dimm&NonDimmCFL2-pin26W - Retail / Common Area Savings application - Multi-Unit Residential Building section
165	Dimm&NonDimmCFL4-pin39W - Retail / Common Area Savings application - Multi-Unit Residential Building section
166	Dimm&NonDimmCFL4-pin14W - Retail / Common Area Savings application - Multi-Unit Residential Building section
167	Dimm&NonDimmCFL4-pin26W - Retail / Common Area Savings application - Multi-Unit Residential Building section
168	Dimm&NonDimmCFL4-pin39W - Retail / Common Area Savings application - Multi-Unit Residential Building section
169	DimmCFLs 0-16W - Retail / Common Area Savings application - Multi-Unit Residential Building section
170	DimmCFLs 17-20W - Retail / Common Area Savings application - Multi-Unit Residential Building section
171	DimmCFLs 21+W - Retail / Common Area Savings application - Multi-Unit Residential Building section
172	StandardT8_Single - Retail / Common Area Savings application - Multi-Unit Residential Building section
173	StandardT8_Two - Retail / Common Area Savings application - Multi-Unit Residential Building section
174	StandardT8_Three - Retail / Common Area Savings application - Multi-Unit Residential Building section
175	StandardT8_Four - Retail / Common Area Savings application - Multi-Unit Residential Building section
176	RWHighT8Fixtures_Single - Retail / Common Area Savings application - Multi-Unit Residential Building section
177	RWHighT8Fixtures_Two - Retail / Common Area Savings application - Multi-Unit Residential Building section
178	RWHighT8Fixtures_Three - Retail / Common Area Savings application - Multi-Unit Residential Building section
179	RWHighT8Fixtures_Four - Retail / Common Area Savings application - Multi-Unit Residential Building section
180	StdMedBayT8_Four - Retail / Common Area Savings application - Multi-Unit Residential Building section
181	MedBayT8_Six - Retail / Common Area Savings application - Multi-Unit Residential Building section
182	MedBayT8_Eight - Retail / Common Area Savings application - Multi-Unit Residential Building section
183	HighMedBayT8_Four - Retail / Common Area Savings application - Multi-Unit Residential Building section
184	HighMedBayT8_Six - Retail / Common Area Savings application - Multi-Unit Residential Building section
185	HighMedBayT8_Eight - Retail / Common Area Savings application - Multi-Unit Residential Building section
186	TSFixture_1Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
187	TSFixture_2Lamps - Retail / Common Area Savings application - Multi-Unit Residential Building section
188	TSFixture_3Lamps - Retail / Common Area Savings application - Multi-Unit Residential Building section
189	TSFixture_HO1Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
190	TSFixture_HO2Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
191	TSMedHighFixture_4Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
192	TSMedHighFixture_6Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
193	TSMedHighFixture_8Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
194	TSMedHighFixture_10Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section
195	TSMedHighFixture_12Lamp - Retail / Common Area Savings application - Multi-Unit Residential Building section

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: **Waterloo North Hydro Inc.**

[illegible]

#	Measure Name
196	PulseStart_MetalHalide_Retail / Common Area Savings application - Multi-Unit Resi
197	InfraredHalogen_25W_Retail / Common Area Savings application - Multi-Unit Resi
198	InfraredHalogen_26-35W_Retail / Common Area Savings application - Multi-Unit Resi
199	InfraredHalogen_36-48W_Retail / Common Area Savings application - Multi-Unit Resi
200	InfraredHalogen_49-60W_Retail / Common Area Savings application - Multi-Unit Resi
201	Self-BallastedMetalHalide120W_Retail / Common Area Savings application - Multi-Unit Resi
202	Self-BallastedMetalHalide50W_Retail / Common Area Savings application - Multi-Unit Resi
203	MetalHalide_150W_Retail / Common Area Savings application - Multi-Unit Resi
204	MetalHalide_360W_Retail / Common Area Savings application - Multi-Unit Resi
205	HighPressure_225W_Retail / Common Area Savings application - Multi-Unit Resi
206	ElecBallast_MetalHde200-W_Retail / Common Area Savings application - Multi-Unit Resi
207	ElecBallast_MetalHde250-360W_Retail / Common Area Savings application - Multi-Unit Resi
208	ElecBallast_MetalHde400+W_Retail / Common Area Savings application - Multi-Unit Resi
209	ElecBallast_HighPress200-W_Retail / Common Area Savings application - Multi-Unit Resi
210	ElecBallast_HighPress250W_Retail / Common Area Savings application - Multi-Unit Resi
211	ElecBallast_HighPress400W_Retail / Common Area Savings application - Multi-Unit Resi
212	ElecBallast_HighPress600W_Retail / Common Area Savings application - Multi-Unit Resi
213	ElecBallast_HighPress1000W_Retail / Common Area Savings application - Multi-Unit Resi
214	OccSen_SwitchPlate_Retail / Common Area Savings application - Multi-Unit Resi
215	OccSen_CeilingMount_Retail / Common Area Savings application - Multi-Unit Resi
216	TempControls_InsuteHeat_Retail / Common Area Savings application - Multi-Unit Resi
217	TempControls_InsuteCool_Retail / Common Area Savings application - Multi-Unit Resi
218	TempControls_Heat&Cool_Retail / Common Area Savings application - Multi-Unit Resi
219	ECM_AirFurnace_Retail / Common Area Savings application - Multi-Unit Resi
220	GroundSource_LowRise_Retail / Common Area Savings application - Multi-Unit Resi
221	GroundSource_HighRise_Retail / Common Area Savings application - Multi-Unit Resi
222	GroundSource_Average_Retail / Common Area Savings application - Multi-Unit Resi
223	Non-ElectricChillers_Retail / Common Area Savings application - Multi-Unit Resi
224	EnerStarWasher_Retail / Common Area Savings application - Multi-Unit Resi
225	NaturalGasDryer_Insute_Retail / Common Area Savings application - Multi-Unit Resi
226	NaturalGasDryer_Common_Retail / Common Area Savings application - Multi-Unit Resi
227	EnergyStar_DishWasher_Retail / Common Area Savings application - Multi-Unit Resi
228	EnergyStar_Fridge_Retail / Common Area Savings application - Multi-Unit Resi
229	EnergyStar_CeilingFan_Retail / Common Area Savings application - Multi-Unit Resi
230	Non-ElectricWaterHeater_Retail / Common Area Savings application - Multi-Unit Resi
231	SolarHotWaterCollector_Retail / Common Area Savings application - Multi-Unit Resi
232	Non-ElectricTankHotWater_Retail / Common Area Savings application - Multi-Unit Resi
233	DrainWaterHeatRecovery_Retail / Common Area Savings application - Multi-Unit Resi
234	DomesticHotWaterRecirc_Retail / Common Area Savings application - Multi-Unit Resi
235	Custom Project - Custom Project application - Multi-Unit Residential Building
236	EnergyStarLightSigns_Corridor / Parking Area Energy Savings application - Low-Inc
237	FridgeLEDStripLight_Corridor / Parking Area Energy Savings application - Low-Inc
238	NonDimmCFLsScrew_In_Corridor / Parking Area Energy Savings application - Low-Inc
239	NonDimmCFLs_parallel1W_Corridor / Parking Area Energy Savings application - Low-Inc
240	NonDimmCFLs_parallel20-W_Corridor / Parking Area Energy Savings application - Low-Inc
241	NonDimmCFLs_parallel20+W_Corridor / Parking Area Energy Savings application - Low-Inc
242	Dimm&NonDimmCFL2-pin14W_Corridor / Parking Area Energy Savings application - Low-Inc
243	Dimm&NonDimmCFL2-pin26W_Corridor / Parking Area Energy Savings application - Low-Inc
244	Dimm&NonDimmCFL2-pin39W_Corridor / Parking Area Energy Savings application - Low-Inc
245	Dimm&NonDimmCFL4-pin14W_Corridor / Parking Area Energy Savings application - Low-Inc
246	Dimm&NonDimmCFL4-pin26W_Corridor / Parking Area Energy Savings application - Low-Inc
247	Dimm&NonDimmCFL4-pin39W_Corridor / Parking Area Energy Savings application - Low-Inc
248	DimmCFLs_0-16W_Corridor / Parking Area Energy Savings application - Low-Inc
249	DimmCFLs_17-20W_Corridor / Parking Area Energy Savings application - Low-Inc
250	DimmCFLs_21+20W_Corridor / Parking Area Energy Savings application - Low-Inc
251	StandardT8_Single_Corridor / Parking Area Energy Savings application - Low-Inc
252	StandardT8_Two_Corridor / Parking Area Energy Savings application - Low-Inc
253	StandardT8_Three_Corridor / Parking Area Energy Savings application - Low-Inc
254	StandardT8_Four_Corridor / Parking Area Energy Savings application - Low-Inc
255	RWHighT8Fixtures_Single_Corridor / Parking Area Energy Savings application - Low-Inc
256	RWHighT8Fixtures_Two_Corridor / Parking Area Energy Savings application - Low-Inc
257	RWHighT8Fixtures_Three_Corridor / Parking Area Energy Savings application - Low-Inc
258	RWHighT8Fixtures_Four_Corridor / Parking Area Energy Savings application - Low-Inc
259	StdMedBayT8_Four_Corridor / Parking Area Energy Savings application - Low-Inc
260	MedBayT8_Six_Corridor / Parking Area Energy Savings application - Low-Income
261	MedBayT8_Eight_Corridor / Parking Area Energy Savings application - Low-Income
262	HighMedBayT8_Four_Corridor / Parking Area Energy Savings application - Low-Inc
263	HighMedBayT8_Six_Corridor / Parking Area Energy Savings application - Low-Inc
264	HighMedBayT8_Eight_Corridor / Parking Area Energy Savings application - Low-Inc
265	TSFixture_1Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
266	TSFixture_2Lamps_Corridor / Parking Area Energy Savings application - Low-Inc
267	TSFixture_3Lamps_Corridor / Parking Area Energy Savings application - Low-Inc
268	TSFixture_Ho1Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
269	TSFixture_Ho2Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
270	TSMedHighFixture_4Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
271	TSMedHighFixture_6Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
272	TSMedHighFixture_8Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
273	TSMedHighFixture_10Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
274	TSMedHighFixture_12Lamp_Corridor / Parking Area Energy Savings application - Low-Inc
275	PulseStart_MetalHalide_Corridor / Parking Area Energy Savings application - Low-Inc
276	InfraredHalogen_25W_Corridor / Parking Area Energy Savings application - Low-Inc
277	InfraredHalogen_26-35W_Corridor / Parking Area Energy Savings application - Low-Inc
278	InfraredHalogen_36-48W_Corridor / Parking Area Energy Savings application - Low-Inc
279	InfraredHalogen_49-60W_Corridor / Parking Area Energy Savings application - Low-Inc
280	Self-BallastedMetalHalide120W_Corridor / Parking Area Energy Savings application - Low-Inc
281	Self-BallastedMetalHalide50W_Corridor / Parking Area Energy Savings application - Low-Inc
282	MetalHalide_150W_Corridor / Parking Area Energy Savings application - Low-Inc
283	MetalHalide_360W_Corridor / Parking Area Energy Savings application - Low-Inc
284	HighPressure_225W_Corridor / Parking Area Energy Savings application - Low-Inc
285	ElecBallast_MetalHde200-W_Corridor / Parking Area Energy Savings application - Low-Inc

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM
Revenue per measure

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: **Waterloo North Hydro Inc.**

[illegible]

#	Measure Name
286	ElecBallast_MetalHde250-360W_Corridor / Parking Area Energy Savings application - Low-Income sector
287	ElecBallast_MetalHde400-W_Corridor / Parking Area Energy Savings application - Low-Income sector
288	ElecBallast_HighPress200-W_Corridor / Parking Area Energy Savings application - Low-Income sector
289	ElecBallast_HighPress250W_Corridor / Parking Area Energy Savings application - Low-Income sector
290	ElecBallast_HighPress400W_Corridor / Parking Area Energy Savings application - Low-Income sector
291	ElecBallast_HighPress600W_Corridor / Parking Area Energy Savings application - Low-Income sector
292	ElecBallast_HighPress1000W_Corridor / Parking Area Energy Savings application - Low-Income sector
293	OccScn_SwitchPlate_Corridor / Parking Area Energy Savings application - Low-Income sector
294	OccScn_CeilingMounted_Corridor / Parking Area Energy Savings application - Low-Income sector
295	TempControls_InSuiteHeat_Corridor / Parking Area Energy Savings application - Low-Income sector
296	TempControls_InSuiteCool_Corridor / Parking Area Energy Savings application - Low-Income sector
297	TempControls_Heat&Cool_Corridor / Parking Area Energy Savings application - Low-Income sector
298	ECM_AirFurnace_Corridor / Parking Area Energy Savings application - Low-Income sector
299	GroundSource_LowRise_Corridor / Parking Area Energy Savings application - Low-Income sector
300	GroundSource_HighRise_Corridor / Parking Area Energy Savings application - Low-Income sector
301	GroundSource_Average_Corridor / Parking Area Energy Savings application - Low-Income sector
302	Non-ElectricChillers_Corridor / Parking Area Energy Savings application - Low-Income sector
303	EnergyStarWasher_Corridor / Parking Area Energy Savings application - Low-Income sector
304	NaturalGasDryer_InSuite_Corridor / Parking Area Energy Savings application - Low-Income sector
305	NaturalGasDryer_Common_Corridor / Parking Area Energy Savings application - Low-Income sector
306	EnergyStar_DishWasher_Corridor / Parking Area Energy Savings application - Low-Income sector
307	EnergyStar_Fridge_Corridor / Parking Area Energy Savings application - Low-Income sector
308	EnergyStar_CeilingFan_Corridor / Parking Area Energy Savings application - Low-Income sector
309	Non-ElectricWaterHeater_Corridor / Parking Area Energy Savings application - Low-Income sector
310	SolarHotWaterCollector_Corridor / Parking Area Energy Savings application - Low-Income sector
311	Non-ElectricTankHotWater_Corridor / Parking Area Energy Savings application - Low-Income sector
312	DrainWaterHeatRecovery_Corridor / Parking Area Energy Savings application - Low-Income sector
313	DomesticHotWaterRecirc_Corridor / Parking Area Energy Savings application - Low-Income sector
314	EnergyStarExstSigns_Suite Savings application - Low-Income sector
315	FridgeLEDStripLight_Suite Savings application - Low-Income sector
316	NonDimmCFLsScrew_In_Suite Savings application - Low-Income sector
317	NonDimmCFLs_par11W_Suite Savings application - Low-Income sector
318	NonDimmCFLs_par12-20W_Suite Savings application - Low-Income sector
319	NonDimmCFLs_par20+W_Suite Savings application - Low-Income sector
320	Dimm&NonDimmCFL2-pin14W_Suite Savings application - Low-Income sector
321	Dimm&NonDimmCFL2-pin26W_Suite Savings application - Low-Income sector
322	Dimm&NonDimmCFL2-pin39W_Suite Savings application - Low-Income sector
323	Dimm&NonDimmCFL4-pin14W_Suite Savings application - Low-Income sector
324	Dimm&NonDimmCFL4-pin26W_Suite Savings application - Low-Income sector
325	Dimm&NonDimmCFL4-pin39W_Suite Savings application - Low-Income sector
326	DimmCFLs_0.16W_Suite Savings application - Low-Income sector
327	DimmCFLs_17-20W_Suite Savings application - Low-Income sector
328	DimmCFLs_21+W_Suite Savings application - Low-Income sector
329	StandardT8_Single_Suite Savings application - Low-Income sector
330	StandardT8_Two_Suite Savings application - Low-Income sector
331	StandardT8_Three_Suite Savings application - Low-Income sector
332	StandardT8_Four_Suite Savings application - Low-Income sector
333	RW/HighT8Fixtures_Single_Suite Savings application - Low-Income sector
334	RW/HighT8Fixtures_Two_Suite Savings application - Low-Income sector
335	RW/HighT8Fixtures_Three_Suite Savings application - Low-Income sector
336	RW/HighT8Fixtures_Four_Suite Savings application - Low-Income sector
337	StdMedBayT8_Four_Suite Savings application - Low-Income sector
338	MedBayT8_Six_Suite Savings application - Low-Income sector
339	MedBayT8_Eight_Suite Savings application - Low-Income sector
340	HighMedBayT8_Four_Suite Savings application - Low-Income sector
341	HighMedBayT8_Six_Suite Savings application - Low-Income sector
342	HighMedBayT8_Eight_Suite Savings application - Low-Income sector
343	TSFixture_1Lamp_Suite Savings application - Low-Income sector
344	TSFixture_2Lamps_Suite Savings application - Low-Income sector
345	TSFixture_3Lamps_Suite Savings application - Low-Income sector
346	TSFixture_HO1Lamp_Suite Savings application - Low-Income sector
347	TSFixture_HO2Lamp_Suite Savings application - Low-Income sector
348	TSMedHighFixture_4Lamp_Suite Savings application - Low-Income sector
349	TSMedHighFixture_6Lamp_Suite Savings application - Low-Income sector
350	TSMedHighFixture_8Lamp_Suite Savings application - Low-Income sector
351	TSMedHighFixture_10Lamp_Suite Savings application - Low-Income sector
352	TSMedHighFixture_12Lamp_Suite Savings application - Low-Income sector
353	PulseStart_MetalHalide_Suite Savings application - Low-Income sector
354	InfraredHalogen_25W_Suite Savings application - Low-Income sector
355	InfraredHalogen_26-35W_Suite Savings application - Low-Income sector
356	InfraredHalogen_36-48W_Suite Savings application - Low-Income sector
357	InfraredHalogen_49-60W_Suite Savings application - Low-Income sector
358	Self-BallastedMetalHalide120W_Suite Savings application - Low-Income sector
359	Self-BallastedMetalHalide150W_Suite Savings application - Low-Income sector
360	MetalHalide_150W_Suite Savings application - Low-Income sector
361	MetalHalide_360W_Suite Savings application - Low-Income sector
362	HighPressure_225W_Suite Savings application - Low-Income sector
363	ElecBallast_MetalHde200-W_Suite Savings application - Low-Income sector
364	ElecBallast_MetalHde250-360W_Suite Savings application - Low-Income sector
365	ElecBallast_MetalHde400-W_Suite Savings application - Low-Income sector
366	ElecBallast_HighPress200-W_Suite Savings application - Low-Income sector
367	ElecBallast_HighPress250W_Suite Savings application - Low-Income sector
368	ElecBallast_HighPress400W_Suite Savings application - Low-Income sector
369	ElecBallast_HighPress600W_Suite Savings application - Low-Income sector
370	ElecBallast_HighPress1000W_Suite Savings application - Low-Income sector
371	OccScn_SwitchPlate_Suite Savings application - Low-Income sector
372	OccScn_CeilingMounted_Suite Savings application - Low-Income sector
373	TempControls_InSuiteHeat_Suite Savings application - Low-Income sector
374	TempControls_InSuiteCool_Suite Savings application - Low-Income sector
375	TempControls_Heat&Cool_Suite Savings application - Low-Income sector

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total	
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OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

[illegible]

#	Measure Name
376	ECM_AirFurnace - Suite Savings application - Low-Income sector
377	GroundSource_LowRise - Suite Savings application - Low-Income sector
378	GroundSource_HighRise - Suite Savings application - Low-Income sector
379	GroundSource_Average - Suite Savings application - Low-Income sector
380	Non-ElectricChillers - Suite Savings application - Low-Income sector
381	EnerStarWasher - Suite Savings application - Low-Income sector
382	NaturalGasDryer_InSuite - Suite Savings application - Low-Income sector
383	NaturalGasDryer_Common - Suite Savings application - Low-Income sector
384	EnergyStar_DishWasher - Suite Savings application - Low-Income sector
385	EnergyStar_Fridge - Suite Savings application - Low-Income sector
386	EnergyStar_CeilingFan - Suite Savings application - Low-Income sector
387	Non-ElectricWaterHeater - Suite Savings application - Low-Income sector
388	SolarHotWaterCollector - Suite Savings application - Low-Income sector
389	Non-ElectricTankHotWater - Suite Savings application - Low-Income sector
390	DrainWaterHeatRecovery - Suite Savings application - Low-Income sector
391	DomesticHotWaterRecirc - Suite Savings application - Low-Income sector
392	EnergyStarExitSigns - Retail / Common Area Savings application - Low-Income sector
393	FridgeLEDStripLight - Retail / Common Area Savings application - Low-Income sector
394	NonDimmCFLScrew_In - Retail / Common Area Savings application - Low-Income sector
395	NonDimmCFLs_pin11W - Retail / Common Area Savings application - Low-Income sector
396	NonDimmCFLs_pin12-20W - Retail / Common Area Savings application - Low-Income sector
397	NonDimmCFLs_pin20+4W - Retail / Common Area Savings application - Low-Income sector
398	Dimm&NonDimmCFL2-pin14W - Retail / Common Area Savings application - Low-Income sector
399	Dimm&NonDimmCFL2-pin26W - Retail / Common Area Savings application - Low-Income sector
400	Dimm&NonDimmCFL2-pin39W - Retail / Common Area Savings application - Low-Income sector
401	Dimm&NonDimmCFL4-pin14W - Retail / Common Area Savings application - Low-Income sector
402	Dimm&NonDimmCFL4-pin26W - Retail / Common Area Savings application - Low-Income sector
403	Dimm&NonDimmCFL4-pin39W - Retail / Common Area Savings application - Low-Income sector
404	DimmCFLs_0.16W - Retail / Common Area Savings application - Low-Income sector
405	DimmCFLs_17-20W - Retail / Common Area Savings application - Low-Income sector
406	DimmCFLs_21+4W - Retail / Common Area Savings application - Low-Income sector
407	StandardT8_Single - Retail / Common Area Savings application - Low-Income sector
408	StandardT8_Two - Retail / Common Area Savings application - Low-Income sector
409	StandardT8_Three - Retail / Common Area Savings application - Low-Income sector
410	StandardT8_Four - Retail / Common Area Savings application - Low-Income sector
411	RWHighT8Fixtures_Single - Retail / Common Area Savings application - Low-Income sector
412	RWHighT8Fixtures_Two - Retail / Common Area Savings application - Low-Income sector
413	RWHighT8Fixtures_Three - Retail / Common Area Savings application - Low-Income sector
414	RWHighT8Fixtures_Four - Retail / Common Area Savings application - Low-Income sector
415	StdMedBayT8_Four - Retail / Common Area Savings application - Low-Income sector
416	MedBayT8_Six - Retail / Common Area Savings application - Low-Income sector
417	MedBayT8_Eight - Retail / Common Area Savings application - Low-Income sector
418	HighMedBayT8_Four - Retail / Common Area Savings application - Low-Income sector
419	HighMedBayT8_Six - Retail / Common Area Savings application - Low-Income sector
420	HighMedBayT8_Eight - Retail / Common Area Savings application - Low-Income sector
421	TSFixture_1Lamp - Retail / Common Area Savings application - Low-Income sector
422	TSFixture_2Lamps - Retail / Common Area Savings application - Low-Income sector
423	TSFixture_3Lamps - Retail / Common Area Savings application - Low-Income sector
424	TSFixture_HO1Lamp - Retail / Common Area Savings application - Low-Income sector
425	TSFixture_HO2Lamp - Retail / Common Area Savings application - Low-Income sector
426	TSMedHighFixture_4Lamp - Retail / Common Area Savings application - Low-Income sector
427	TSMedHighFixture_6Lamp - Retail / Common Area Savings application - Low-Income sector
428	TSMedHighFixture_8Lamp - Retail / Common Area Savings application - Low-Income sector
429	TSMedHighFixture_10Lamp - Retail / Common Area Savings application - Low-Income sector
430	TSMedHighFixture_12Lamp - Retail / Common Area Savings application - Low-Income sector
431	PulseStart_MetalHalide - Retail / Common Area Savings application - Low-Income sector
432	InfraredHalogen_25W - Retail / Common Area Savings application - Low-Income sector
433	InfraredHalogen_26-35W - Retail / Common Area Savings application - Low-Income sector
434	InfraredHalogen_36-48W - Retail / Common Area Savings application - Low-Income sector
435	InfraredHalogen_49-60W - Retail / Common Area Savings application - Low-Income sector
436	Self-BallastedMetalHalide120W - Retail / Common Area Savings application - Low-Income sector
437	Self-BallastedMetalHalide150W - Retail / Common Area Savings application - Low-Income sector
438	MetalHalide_150W - Retail / Common Area Savings application - Low-Income sector
439	MetalHalide_360W - Retail / Common Area Savings application - Low-Income sector
440	HighPressure_225W - Retail / Common Area Savings application - Low-Income sector
441	ElectBallast_MetalHde200+W - Retail / Common Area Savings application - Low-Income sector
442	ElectBallast_MetalHde250-360W - Retail / Common Area Savings application - Low-Income sector
443	ElectBallast_MetalHde400+W - Retail / Common Area Savings application - Low-Income sector
444	ElectBallast_HighPress200+W - Retail / Common Area Savings application - Low-Income sector
445	ElectBallast_HighPress250W - Retail / Common Area Savings application - Low-Income sector
446	ElectBallast_HighPress400W - Retail / Common Area Savings application - Low-Income sector
447	ElectBallast_HighPress600W - Retail / Common Area Savings application - Low-Income sector
448	ElectBallast_HighPress1000W - Retail / Common Area Savings application - Low-Income sector
449	OccSen_SwitchPlate - Retail / Common Area Savings application - Low-Income sector
450	OccSen_CeilingMounted - Retail / Common Area Savings application - Low-Income sector
451	TempControls_InSuiteHeat - Retail / Common Area Savings application - Low-Income sector
452	TempControls_InSuiteCool - Retail / Common Area Savings application - Low-Income sector
453	TempControls_Heat&Cool - Retail / Common Area Savings application - Low-Income sector
454	ECM_AirFurnace - Retail / Common Area Savings application - Low-Income sector
455	GroundSource_LowRise - Retail / Common Area Savings application - Low-Income sector
456	GroundSource_HighRise - Retail / Common Area Savings application - Low-Income sector
457	GroundSource_Average - Retail / Common Area Savings application - Low-Income sector
458	Non-ElectricChillers - Retail / Common Area Savings application - Low-Income sector
459	EnerStarWasher - Retail / Common Area Savings application - Low-Income sector
460	NaturalGasDryer_InSuite - Retail / Common Area Savings application - Low-Income sector
461	NaturalGasDryer_Common - Retail / Common Area Savings application - Low-Income sector
462	EnergyStar_DishWasher - Retail / Common Area Savings application - Low-Income sector
463	EnergyStar_Fridge - Retail / Common Area Savings application - Low-Income sector
464	EnergyStar_CeilingFan - Retail / Common Area Savings application - Low-Income sector
465	Non-ElectricWaterHeater - Retail / Common Area Savings application - Low-Income sector

[illegible]

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

[illegible]

2010 LRAM	
Revenue per	
measure	

Program Total

OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: Waterloo North Hydro Inc.

#	Initiative Number	Initiative Name	Program Name	Program Year	Results Status
2391	61	Multi-Family Energy Efficiency Rebates	Consumer, Ct	2010	Final
2392	61	Multi-Family Energy Efficiency Rebates	Consumer, Ct	2010	Final
2393	61	Multi-Family Energy Efficiency Rebates	Consumer, Ct	2010	Final
2394	61	Multi-Family Energy Efficiency Rebates	Consumer, Ct	2010	Final
2395	61	Multi-Family Energy Efficiency Rebates	Consumer, Ct	2010	Final
2396	62	Demand Response 2	Business, Indl	2010	Final
2397	63	Demand Response 3	Business, Indl	2010	Final
2398	64	Loblaw & York Region Demand Response	Business, Indl	2010	Final
2399	64	Loblaw & York Region Demand Response	Business, Indl	2010	Final

#	Measure Name
466	SolarHotWaterCollector - Retail / Common Area Savings application - Low-Income
467	Non-ElectricTankHotWater - Retail / Common Area Savings application - Low-Income
468	DrainWaterHeatRecovery - Retail / Common Area Savings application - Low-Income
469	DomesticHotWaterRecirc - Retail / Common Area Savings application - Low-Income
470	Custom Project - Custom Project application - Low-Income sector
1	Contractual Load Shifting Project
1	Contractual Load Shedding Project
1	Rodan Contract
2	Loblaw Contract

Unit Savings Assumptions					
Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)
n/a	n/a	n/a	n/a	76.00	9.09
n/a	n/a	n/a	n/a	76.00	9.09
n/a	n/a	n/a	n/a	76.00	9.09
n/a	n/a	n/a	n/a	76.00	9.09
Custom	Custom	Custom	Custom	76.00	9.09
Custom	Custom	Custom	Custom	100.00	1.00
Custom	Custom	Custom	Custom	100.00	1.00
19210.00	0.00	19210.00	0.00	100.00	1.00
10000.00	0.00	10000.00	0.00	100.00	1.00

2009		2010	
kWh or kW	Rate per Unit	kWh or kW	Rate per Unit
kWh	0.0134	kWh	0.0131
kWh	0.0107	kWh	0.0104
kW	3.6325	kW	3.5420

Residential
GS < 50
GS >50 to 4,999

LDC Specific Results				
Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)
n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a
0.04	1544.65	1805554.78	1544.65	1805554.78
3.19	3267.13	63992.70	3267.13	63992.70
0.01	249.35	0.00	249.35	0.00
0.01	129.80	0.00	129.80	0.00

2010 LRAM Revenue per measure	Program Total
\$ 483.01	\$ 483.01
\$ 5,471.16	\$ 5,471.16
\$ 11,572.18	\$ 11,572.18
\$ 883.20	\$ 1,342.96
\$ 459.76	
2010 Total	\$ 52,659.70
2009 Total	\$ 44,379.41
2008 Total	\$ 27,830.52
2007 Total	\$ 24,242.79
2006 Total	\$ 8,420.52
	\$ 157,532.93

VECC IR Q4b

List and confirm OPA's input assumptions for Every Kilowatt Counts (EKC) 2006 including the measure life, unit kWh savings and free ridership rate for Compact Fluorescent Lights (CFLs) and Seasonal Light Emitting Diodes (LED). Confirm some of these assumptions were changed in 2007 and again in 2009 and compare the values.

OPA Conservation & Demand Management Programs
Measure Results at End-User Level

For: Waterloo North Hydro Inc.

#	Initiative Number	Initiative Name	Program Name	Program Year	Program Status	#	Measure Name	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Gross Lifetime Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Net Lifetime Energy Savings (kWh)
9	3	Every Kilowatt Counts	Consumer	2006	Final	1	Energy Star® Compact Fluorescent Light Bulb - Spring Campaign	0.00	104.40	0.00	93.96	90.00	4.00	13010.73	0.00	1358320.64	5433282.55	0.00	1222488.57	4889954.30
13	3	Every Kilowatt Counts	Consumer	2006	Final	5	Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign	0.00	104.40	0.00	93.96	90.00	4.00	19291.07	0.00	2013987.84	8055951.38	0.00	1812589.06	7250356.24
14	3	Every Kilowatt Counts	Consumer	2006	Final	6	Seasonal Light Emitting Diode Light String - Autumn Campaign	0.00	30.75	0.00	27.68	90.00	30.00	4643.35	0.00	142783.02	4283490.74	0.00	128504.72	3855141.67
40	8	Every Kilowatt Counts	Consumer	2007	Final	1	15 W CFL	0.00	43.00	0.00	33.54	78.00	8.00	23401.29	30.42	1006255.36	8050042.89	23.73	784879.18	6279033.46
41	8	Every Kilowatt Counts	Consumer	2007	Final	2	20+ W CFL	0.00	62.10	0.00	48.44	78.00	8.00	3809.51	7.24	236570.49	1892563.93	5.65	184524.98	1476199.86
42	8	Every Kilowatt Counts	Consumer	2007	Final	3	Energy Star® Light Fixture	0.01	122.90	0.00	67.60	55.00	16.00	90.89	0.51	11170.95	178735.22	0.28	6144.02	98304.37
44	8	Every Kilowatt Counts	Consumer	2007	Final	5	Seasonal LED Light String	0.00	13.70	0.00	6.71	49.00	5.00	6199.80	0.00	84937.32	424686.60	0.00	41619.29	208096.43
45	8	Every Kilowatt Counts	Consumer	2007	Final	6	Project Porchlight CFL	0.00	43.00	0.00	32.68	76.00	8.00	4924.40	6.40	211749.35	1693994.81	4.87	160929.51	1287436.05
132	22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	1	Energy Star® Qualified Compact Fluorescent Light Bulbs	0.00	52.96	0.00	27.67	52.26	8.00	9013.45	19.83	477352.12	3818816.93	10.36	249443.25	1995545.98
133	22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	2	Energy Star® Qualified Dimmable CFLs	0.00	97.80	0.00	36.84	37.67	6.00	981.69	3.03	96004.82	576028.90	1.14	36166.20	216997.19
134	22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	3	Energy Star® Qualified Decorative CFLs	0.00	30.38	0.00	11.72	38.57	4.00	15227.09	14.58	462563.41	1850253.62	5.62	178399.11	713596.44
135	22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	4	Energy Star® Qualified Compact Fluorescent Floods (Indoor & Outdoor)	0.00	87.62	0.00	32.83	37.47	7.00	4227.58	11.67	370417.21	2592920.45	4.37	138787.13	971509.91
136	22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	5	Energy Star® Qualified Light Fixtures	0.00	133.48	0.00	44.55	33.37	16.00	6560.84	27.60	875720.47	14011527.58	9.21	292265.80	4676252.83
597	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	1	Energy Star Qualified Compact Fluorescent - Spring Campaign - Participant Rebated	0.00	23.17	0.00	15.92	68.73	8.00	1081.87	0.78	25063.49	200507.89	0.53	17225.92	137807.38
598	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	2	ENERGY STAR Decorative CFLs - Spring Campaign - Participant Rebated	0.00	25.84	0.00	19.91	77.04	6.00	2565.55	2.06	66291.75	397750.50	1.59	51074.26	306445.57
599	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	3	ENERGY STAR Fixtures - Spring Campaign - Participant Rebated	0.00	115.75	0.00	61.46	53.10	16.00	208.81	0.75	24170.43	386726.83	0.40	12833.35	205333.53
613	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	17	Installed CFLs - Spring Campaign - Participant Spillover	0.00	101.42	0.00	13.30	13.11	8.00	98.84	0.31	10024.27	80194.13	0.04	1314.58	10516.63
622	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	26	Energy Star Qualified Compact Fluorescent - Spring Campaign - Non-Participant Rebated	0.00	22.41	0.00	7.79	34.77	8.00	823.70	0.57	18459.61	147676.85	0.20	6417.60	51340.78
623	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	27	ENERGY STAR Decorative CFLs - Spring Campaign - Non-Participant Rebated	0.00	26.18	0.00	10.42	39.81	6.00	408.89	0.33	10704.82	64228.93	0.13	4262.11	25572.63
624	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	28	ENERGY STAR Fixtures - Spring Campaign - Non-Participant Rebated	0.00	67.68	0.00	27.50	40.63	16.00	385.19	0.81	26069.43	417110.90	0.33	10590.71	169451.30
625	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	29	ENERGY STAR Ceiling Fans - Spring Campaign - Non-Participant Rebated	0.00	71.49	0.00	9.67	13.52	10.00	112.59	0.25	8049.37	80493.66	0.03	1088.31	10883.07
637	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	41	Energy Star Qualified Compact Fluorescent - Autumn Campaign - Participant Rebated	0.00	25.50	0.00	17.69	69.39	8.00	4895.93	3.88	124831.59	998652.69	2.69	86624.37	692994.94
638	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	42	ENERGY STAR Specialty CFLs - Autumn Campaign - Participant Rebated	0.00	20.81	0.00	14.87	71.48	6.00	1979.86	1.28	41196.91	247181.47	0.91	29447.26	176683.56
646	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	50	Energy Star Qualified Holiday LED Lights - Autumn Campaign - Participant Promoted	0.00	13.70	0.00	8.05	58.78	5.00	582.90	0.00	7985.76	39928.78	0.00	4693.67	23468.34
659	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	63	Energy Star Qualified Compact Fluorescent - Autumn Campaign - Non-Participant Rebated	0.00	23.68	0.00	3.25	13.71	8.00	4459.25	3.28	105600.29	844802.35	0.45	14480.66	115845.27
660	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	64	ENERGY STAR Specialty CFLs - Autumn Campaign - Non-Participant Rebated	0.00	29.97	0.00	4.51	15.06	6.00	1416.50	1.32	42448.90	254693.38	0.20	6394.90	38369.39
661	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	65	ENERGY STAR Fixtures - Autumn Campaign - Non-Participant Rebated	0.00	36.46	0.00	8.81	24.15	15.58	394.84	0.45	14397.52	224381.41	0.11	3476.85	54185.72
668	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	72	Energy Star Qualified Holiday LED Lights - Autumn Campaign - Non-Participant Promoted	0.00	13.70	0.00	4.79	34.97	5.00	1902.65	0.00	26066.27	130331.36	0.00	9114.84	45574.20
682	37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	86	Installed Energy Star® CFL Bulbs - Rewards for Recycling Campaign - Spillover	0.00	44.57	0.00	8.22	18.44	8.00	44.84	0.06	1998.64	15989.08	0.01	368.64	2949.14
1634	55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	1	ENERGY STAR Specialty CFLs-Spring Campaign (Rebated)	0.00	18.22	0.00	7.67	0.42	6.00	713.45	0.40	12997.78	77986.67	0.17	5473.55	32841.27
1635	55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	2	ENERGY STAR Fixtures-Spring Campaign (Rebated)	0.00	152.41	0.00	60.00	0.39	16.00	313.96	1.49	47851.85	765629.59	0.59	18837.68	301402.85
1654	55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	21	Installed LED lights-Spillover Actions - Spring	0.00	0.00	0.00	1.82	0.00	8.00	n/a	0.00	0.00	0.00	0.00	76.05	608.42
1655	55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	22	Energy Star Specialty CFLs-Fall Campaign (Rebated)	0.00	21.33	0.00	13.02	0.61	6.00	963.01	0.64	20539.24	123235.41	0.39	12542.63	75255.76
1673	55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	40	Installed compact fluorescent lights that were not those rebated by the Power Savings Event-Spillover Actions - Fall	0.00	0.00	0.00	7.95	0.00	8.00	n/a	0.00	0.00	0.00	0.03	1078.29	8626.29
1675	55	Every Kilowatt Counts Power Savings Event	Consumer	2010	Final	42	Energy Star Specialty CFLs-Non-Participant Campaign Products	0.00	0.00	0.00	1.20	0.00	6.00	n/a	0.00	0.00	0.00	0.06	1817.63	10905.81

VECC Question 4 c)

Demonstrate that savings for EKC 2006 Mass Market measures 13-15 W Energy Star CFLs & Seasonal LEDs have been removed from the LRAM claim in 2010.

For: **Waterloo North Hydro Inc.**

Initiative Number	Initiative Name	Program Name	Program Year	Results Status	Measure Name	Unit Savings Assumptions						LDC Specific Results				
						Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)
3	Every Kilowatt Counts	Consumer	2006	Final	Energy Star® Compact Fluorescent Light Bulb - Spring Campaign	0.00	104.40	0.00	93.96	90.00	4.00	13,010.73	0.00	1,358,320.64	0.00	1,222,488.57
3	Every Kilowatt Counts	Consumer	2006	Final	Electric Timers - Spring Campaign	0.00	183.00	0.00	164.70	90.00	20.00	364.75	0.00	66,749.34	0.00	60,074.41
3	Every Kilowatt Counts	Consumer	2006	Final	Programmable Thermostats - Spring Campaign	0.05	216.00	0.05	194.40	90.00	15.00	158.66	7.93	34,271.26	7.14	30,844.14
3	Every Kilowatt Counts	Consumer	2006	Final	Energy Star® Ceiling Fans - Spring Campaign	0.01	141.00	0.01	126.90	90.00	20.00	120.70	1.69	17,018.53	1.52	15,316.68
3	Every Kilowatt Counts	Consumer	2006	Final	Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign	0.00	104.40	0.00	93.96	90.00	4.00	19,291.07	0.00	2,013,987.84	0.00	1,812,589.06
3	Every Kilowatt Counts	Consumer	2006	Final	Seasonal Light Emitting Diode Light String - Autumn Campaign	0.00	30.75	0.00	27.68	90.00	30.00	4,643.35	0.00	142,783.02	0.00	128,504.72
3	Every Kilowatt Counts	Consumer	2006	Final	Programmable Thermostats - Autumn Campaign	0.12	522.09	0.11	469.89	90.00	18.00	306.09	36.04	159,806.45	32.43	143,825.80
3	Every Kilowatt Counts	Consumer	2006	Final	Dimmers - Autumn Campaign	0.00	139.00	0.00	125.10	90.00	10.00	242.03	0.00	33,642.10	0.00	30,277.89
3	Every Kilowatt Counts	Consumer	2006	Final	Indoor Motion Sensors - Autumn Campaign	0.00	209.00	0.00	188.10	90.00	20.00	86.85	0.00	18,150.97	0.00	16,335.87
3	Every Kilowatt Counts	Consumer	2006	Final	Programmable Basebaord Thermostats - Autumn Campaign	0.00	1,466.30	0.00	1,319.67	90.00	18.00	18.23	0.00	26,732.42	0.00	24,059.18

Program Name	Program Year	Results Status	Initiative Name
Consumer	2006	Final	Every Kilowatt Counts

2006	2007	2008	2009	2010
3,484	3,484	3,484	3,484	449

2006-2009 Total	3,484,316.33
2010 Total	449,238.69