



December 22, 2010

Board Secretary
Ontario Energy Board
PO Box 2319
2300 Yonge St
26th Floor
Toronto, Ontario M4P 1E4

Re: Orangeville Hydro Limited ED-2002-0500
2011 IRM3 Distribution Rate Application
Board File No. EB-2010-0105

Dear Ms. Walli:

Please find enclosed Orangeville Hydro Limited's responses to the Board Staff and VECC Interrogatories due in your office December 22, 2010. Please find enclosed 2 paper copies.

We hope that you find every in order but if you do require further assistance or have any questions, please contact Jan Howard at jhoward@orangevillehydro.on.ca or by phoning 519-942-8000.

Yours truly,

ORANGEVILLE HYDRO LIMITED

Jan Howard
Manger of Finance & Rates

Orangeville Hydro Limited
2011 IRM3 Distribution Rate Application
Response to Board Staff Interrogatories
Board File No. EB-2010-0105

1. Ref: Tax Sharing Model – B1.1 Re-Based Bill Det & Rates

Rate Class and Re-Based Billing Determinants & Rates

Last COS Re-based Year				2010					
Last COS OFR Application Number				FR-2009-0272					
Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	10,045	85,739,256		16.18	0.0140	
OCLT50	General Service Less Than 50 kW	Customer	kWh	1,001	30,844,867		32.78	0.0100	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	133	123,337,329	294,391	183.39		2.1593
USL	Unmetered Scattered Load	Connection	kWh	151	374,473		6.24	0.0088	
Sen	Sentinel Lighting	Connection	kW	170	129,053	357	1.88		7.2398
SL	Street Lighting	Connection	kW	2,724	1,787,017	5,069	0.81		4.3610
NA	Rate Class 7	NA	NA						
NA	Rate Class 0	NA	NA						

a) Please explain why rates in columns D, E and F are not identical with rates from Sheet “E1.1 Rate Reb Base Dist Rts Gen” of the 2011 IRM3 Rate Generator.

Response:

In the investigation of the above noted differences it was determined that there was an input error in columns D, E and F of the Tax Sharing Model - B1.1 Re-Based bill Det & Rates. However, due to the interrogatories received from VECC specifically IR #5 and IR #6 we have used the revised amounts from the 2011 IRM3 Shared Tax Savings Workform. Please refer to the table below for the corrected rates.

Last COS Re-based Year				2010					
Last COS OEB Application Number				EB-2009-0272					
Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	10,045	85,739,256		16.10	0.0139	
GSLT50	General Service Less Than 50 kW	Customer	kWh	1,081	38,644,867		32.76	0.0100	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	133	123,337,329	294,391	183.39		2.1593
USL	Unmetered Scattered Load	Connection	kWh	151	374,473		6.24	0.0088	
Sen	Sentinel Lighting	Connection	kW	170	129,053	357	1.91		9.0776
SL	Street Lighting	Connection	kW	2,724	1,787,017	5,069	0.81		5.6443

We have also input the revised Rate Riders from the 2011 IRM3 Shared Tax Savings Workform Sheet F1.3 Calc Tax Chg RRider Var into the Rate Generator Model Sheet J2.7. Please see revised sheet below.

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	-0.000300	kWh
General Service Less Than 50 kW	No	0.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	-0.022500	kW
Unmetered Scattered Load	Yes	0.000000	Connection -12 per year	-0.000300	kWh
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	-0.142400	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	-0.077600	kW

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b) If Orangeville is of the view that the data included in the application is more appropriate to use, please explain why. If not, please re-file the referenced sheet with the correct rates and staff will make the necessary adjustments to the Tax Sharing model.

Response:

OHL will re-file the referenced sheet with the correct rates.

2. Ref: Tax Sharing Model – F1.1 Z-Factor Tax Changes

Summary - Sharing of Tax Change Forecast Amounts

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2010	2011
Taxable Capital	\$17,626,594	\$17,626,594
Deduction from taxable capital up to \$15,000,000	\$15,000,000	\$15,000,000
Net Taxable Capital	\$ 2,626,594	\$ 2,626,594
Rate	0.150%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ 1,954	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2010	2011
Regulatory Taxable Income	\$ 1,054,775	\$ 1,054,775
Corporate Tax Rate	28.32%	24.81%
Tax Impact	\$ 298,885	\$ 261,703
Grossed-up Tax Amount	\$ 416,677	\$ 348,061
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ 1,954	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 416,677	\$ 348,061
Total Tax Related Amounts	\$ 418,630	\$ 348,061
Incremental Tax Savings		-\$ 70,569
Sharing of Tax Savings (50%)		-\$ 35,285

a) Please explain why Regulatory Taxable income is not identical with Taxable Income per the Revenue Requirement Work Form from the Board decision in EB-2009-0272.

Response:

In the Board Decision EB-2009-0272 OHL was directed as follows, "The Board has determined that the updated ROE is 9.85%. Consequently, Orangeville Hydro shall reflect the Board's 2010 updated ROE value in its Draft Rate Order." As a result of the Board's direction we updated our ROE to 9.85% which is different than the RRWF inserted with the Settlement Agreement.

b) If the data provided is correct, please provide evidence supporting the data entered. If the data is incorrect, please re-file the referenced sheet with the correct amounts and staff will make the necessary adjustments to the Tax Sharing model.

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Response:

The data was correct please see table below that was provided with OHL's Draft Rate Order.



REVENUE REQUIREMENT WORK FORM

Name of LDC: Orangeville Hydro Limited
File Number: EB-2009-0272
Rate Year: 2010

Revenue Sufficiency/Deficiency

Line No.	Particulars	Per Application		Per Board Decision	
		At Current Approved	At Proposed Rates	At Current Approved	At Proposed Rates
1	Revenue Deficiency from Below		\$631,382		\$498,998
2	Distribution Revenue	\$4,374,574	\$4,374,580	\$4,374,574	\$4,374,574
3	Other Operating Revenue Offsets - net	\$356,272	\$356,272	\$454,952	\$454,952
4	Total Revenue	\$4,730,846	\$5,362,234	\$4,829,526	\$5,328,524
5	Operating Expenses	\$3,890,876	\$3,890,876	\$3,764,897	\$3,764,897
6	Deemed Interest Expense	\$652,936	\$652,936	\$570,534	\$570,534
	Total Cost and Expenses	\$4,543,812	\$4,543,812	\$4,335,430	\$4,335,430
7	Utility Income Before Income Taxes	\$187,034	\$818,422	\$494,095	\$993,093
	Tax Adjustments to Accounting				
8	Income per 2009 PILs	\$41,959	\$41,959	\$61,681	\$61,681
9	Taxable Income	\$228,993	\$860,381	\$555,776	\$1,054,774
10	Income Tax Rate	28.84%	28.84%	28.31%	28.31%
11	Income Tax on Taxable Income	\$66,042	\$248,134	\$157,340	\$298,606
12	Income Tax Credits	\$ -	\$ -	\$ -	\$ -
13	Utility Net Income	\$120,993	\$570,286	\$336,756	\$694,487
14	Utility Rate Base	\$17,799,123	\$17,799,123	\$17,626,594	\$17,626,594
	Deemed Equity Portion of Rate Base	\$7,119,649	\$7,119,649	\$7,050,638	\$7,050,638
15	Income/Equity Rate Base (%)	1.70%	8.01%	4.78%	9.85%
16	Target Return - Equity on Rate Base	8.01%	8.01%	9.85%	9.85%
	Sufficiency/Deficiency in Return on Equity	-6.31%	0.00%	-5.07%	0.00%
17	Indicated Rate of Return	4.35%	6.87%	5.15%	7.18%
18	Requested Rate of Return on Rate Base	6.87%	6.87%	7.18%	7.18%
19	Sufficiency/Deficiency in Rate of Return	-2.52%	0.00%	-2.03%	0.00%
20	Target Return on Equity	\$570,284	\$570,284	\$694,488	\$694,488
21	Revenue Sufficiency/Deficiency	\$449,291	\$2	\$357,732	(\$0)
22	Gross Revenue Sufficiency/Deficiency	\$631,382 (1)		\$498,998 (1)	

Notes:

(1) Revenue Sufficiency/Deficiency divided by (1 - Tax Rate)

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3. Ref: RTSR Model – 2009 Distributor Billing Determinants

2009 Distributor Billing Determinants

Enter the most recently reported RRR billing determinants

Loss Adjusted Metered kWh

Yes

Loss Adjusted Metered kW

No

Rate Class	Vol Metric	Metered kWh A	Metered kW B	Applicable Loss Factor C	Load Factor D = A / (B * 730)	Loss Adjusted Billed kWh E = A * C
Residential	kWh	84,392,286	0	1.0406		87,818,613
General Service Less Than 50 kW	kWh	35,466,556	0	1.0406		36,906,498
General Service 50 to 4,999 kW	kW	121,491,113	306,995	1.0406	54.24%	126,423,652
Unmetered Scattered Load	kWh	373,171	0	1.0406		388,322
Sentinel Lighting	kW	128,510	362	1.0406	48.66%	133,728
Street Lighting	kW	1,770,107	5,112	1.0406	47.46%	1,841,973
Total		243,621,743	312,469			253,512,786

a) Please confirm that the metered kWh and kW data in columns A and B (reported in RRR 2.1.5 customer, demands and revenues section) are not already loss adjusted.

Response:

The metered kWh and kW data in columns A and B (reported in RRR 2.1.5 customer, demands and revenues section) are not already loss adjusted.

b) If the metered kWh and kW data are already loss adjusted please re-file the referenced sheet with column C containing a loss factor of 1.0000 and staff will make the necessary adjustments to the RTSR model.

Response:

Not applicable.

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Smart Meter Rate Adder 2011

VECC IR #1

References: i) OEB Guideline G-2008-0002:
ii) OEB Filing Requirements for Smart Meter Investment Plans,
October 26, 2006
iii) Managers Summary

a) Confirm that Guideline G-2008-0002 has not superseded the Filing Requirements for Smart Meter Investment Plans, October 26, 2006.

Response:

It is the opinion of OHL that Guideline G-2008-0002 and the Filing Requirements for Smart Meter Investment Plans, October 26, 2006 are two documents for entirely different purposes. The OEB Guideline G-2008-0002 was for smart meter funding and cost recovery while the October 26, 2006 document was an investment plan. The information contained in the December 15, 2006 filing was a plan prepared in the very early stages of the smart meter project with the best information available at the time. The Smart Meter Adder of this IRM application follows the OEB Guideline G-2008-0002 dated October 22, 2008 and OHL feels it has followed the directions in accordance with the expectations of the Board.

b) Confirm that paragraph 7 of the Filing Requirements specifies that

7. Specifically, and in as much detail as possible, please provide the following information for your planned implementation of the SMIP:

- the number of meters installed by class and by year, both in absolute terms and as a percentage of the class;
- the capital expenditures and amortization by class and by year;
- the operating expenses by class and by year;
- the effect of the SMIP on the level of the allowance for PILs.

Response:

OHL confirms that paragraph 7 of the OEB Filing Requirements for Smart Meter Investment Plans, October 26, 2006 specifies that

7. Specifically, and in as much detail as possible, please provide the following information for your planned implementation of the SMIP:

- the number of meters installed by class and by year, both in absolute terms and as a percentage of the class;*
- the capital expenditures and amortization by class and by year;*
- the operating expenses by class and by year;*
- the effect of the SMIP on the level of the allowance for PILs.*

c) Did Orangeville file its SMIP in accordance with the Filing Guidelines? Please elaborate.

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Response:

OHL filed its SMIP in accordance with the OEB Filing Requirements for Smart Meter Investment Plans dated October 26, 2006 using the best information available at the time. The filing was a combined CHEC (Cornerstone Hydro Electric Concepts) filing, Board File Number EB-2006-0246, prepared with the assistance of Util-Assist Inc., a third party assisting many LDCs in the province.

d) Has Orangeville kept records by class as required by the Filing Guidelines and are accounts 1556 and 1555 segregated by rate class? Please elaborate.

Response:

OHL has not kept records by class as required by the OEB Filing Requirements for Smart Meter Investment Plans. Accounts 1556 and 1555 are not segregated by rate class with no direction to do so in the Guideline G-2008-0002. According to OEB Accounting Procedures Handbook the Uniform System of Accounts states that:

1555 Smart Meter Capital and Recovery Offset Variance Account

A. Amounts recorded in this account shall include the revenues approved by the Board for smart meters and related capital costs incurred by the distributor.

B. To record the revenues for smart meter funding recovered by the fixed and/or variable rate charge for each class of customer, Account 4080, Distribution Services Revenue shall be debited and this account credited.

C. To record capitalized direct costs related to the smart meter program, this account shall be debited and Account 1005, Cash or Accounts Payable credited.

D. Appropriate sub-accounts shall be used in this account to segregate costs into various categories of capital costs.

E. Carrying charge amounts shall be calculated using simple interest applied to the monthly opening debit or credit balances in the account (exclusive of accumulated interest) and recorded in a separate sub-account of this account. Effective May 1, 2006, the rate of interest shall be the rate prescribed by the Board for the respective quarterly period.

F. Records shall be maintained at an appropriate level of detail to permit Board review and verification of amounts recorded therein.

1555 Smart Meter Capital and Recovery Offset Variance Account, Sub-account Stranded Meter Costs

A. This sub-account shall be used to record the stranded costs associated with conventional or accumulation meters removed at the time of installation of smart meters. The distributor must have owned these stranded meters prior to January 1, 2006 in accordance with s.28.4 of the Ontario Energy Board Act, 1998. Distributors that are part of the government's smart metering initiative as referenced in Ontario Regulation 427/06 and Ontario Regulation 428/06 under the Electricity Act, 1998, are allowed to record stranded meter costs in this account.

B. Stranded meter costs are defined as the pooled residual net book value cost of removed meters or meters held in reserve for replacement of in-service meters, less any net sale

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proceeds when received. Disposition of these costs will be determined in a future proceeding of the Board.

C. Carrying charges are not authorized for this sub-account (as a return on these assets recorded herein is recovered in rates pending the future disposition of these amounts in this sub-account).

D. This account shall be further sub-divided to be consistent with rate classes to which the stranded meter costs relate.

E. Records must also be kept by the types of meters and number of meters to verify the stranded meter costs recorded in this account.

1556 Smart Meter OM&A Variance Account

A. This account shall be used by the distributor to record incremental operating, maintenance, amortization and administrative expenses directly related to smart meters.

B. To record incremental OM&A expenses and amortization related to the smart meter program this account shall be debited and Account 5695, OM&A Contra Account shall be credited.

C. Separate sub-accounts within the OM&A contra account (5695) shall be created for the following categories of expenses: operating, maintenance, administration and depreciation or amortization.

D. Carrying charge amounts shall be calculated using simple interest applied to the monthly opening debit or credit balances in the account (exclusive of accumulated interest) and recorded in a separate sub-account of this account. Effective May 1, 2006, the rate of interest shall be the rate prescribed by the Board for the respective quarterly period.

E. Records shall be maintained at an appropriate level of detail to permit Board review and verification of amounts recorded therein.

OHL is recording balances in 1555 and 1556 as per the OEB Accounting Procedures Handbook Uniform System of Accounts and as per the Guideline G-2008-0002.

VECC IR# 2

References: i) Managers Summary Page 2
ii) SM Funding Model Sheets 7 & 8

Preamble: In its EB-2010-0209 Decision The Board Stated “the Board finds that PowerStream’s original cost allocation methodology is reasonable and based on the principle of cost causality”

a) Provide the *average unit capital costs* (procurement and installation) and total capital costs for each of residential and GS<50kw meters to the end of 2010.

Response:

We are unable to provide the average unit capital costs (procurement and installation) and total capital costs for each of Residential and GS <50kW meters to the end of 2010 as we do not track the capital costs by class.

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The following table from the Smart Meter Rate Calculation model provides the Smart Meter unit capital costs at an aggregate level for the Residential and General Service <50 kW customer classes.

3. LDC Assumptions and Data

Capital Data:

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted	
Smart Meter	\$ -	\$ 16,476	\$ 17,041	\$ 318,595	\$ 1,476,815	\$ 100,902	\$ -	\$ 1,929,828
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ 35,235	\$ 26,825	\$ -	\$ 62,060
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capital Costs	\$ -	\$ 16,476	\$ 17,041	\$ 318,595	\$ 1,512,050	\$ 127,727	\$ -	\$ 1,991,888

Operating Expense Data:

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Actual	Forecasted	Forecasted	
2.1 Advanced Metering Communication Device (AMCD)	\$ -	\$ -	\$ -	\$ 2,458	\$ 11,554	\$ -	\$ -	\$ 14,012
2.2 Advanced Metering Regional Collector (AMRC) (includes LAN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.3 Advanced Metering Control Computer (AMCC)	\$ -	\$ -	\$ -	\$ -	\$ 29,129	\$ 102,968	\$ 210,858	\$ 132,097
2.4 Wide Area Network (WAN)	\$ -	\$ -	\$ -	\$ -	\$ 16,366	\$ 26,280	\$ 52,778	\$ 42,646
2.5 Other AMI OM&A Costs Related To Minimum Functionality	\$ -	\$ -	\$ -	\$ -	\$ 16,871	\$ 73,488	\$ 119,874	\$ 90,359
Total O M & A Costs	\$ -	\$ -	\$ -	\$ 2,458	\$ 73,920	\$ 202,736	\$ 383,510	\$ 279,114
								383,509.63

Per Meter Cost Split:

	Per Meter	Installed	Investment	% of Invest
Smart meter including installation	\$ 173.11	11,148	\$ 1,929,828	85%
Computer Hardware Costs	\$ -	11,148	\$ -	0%
Computer Software Costs	\$ 5.57	11,148	\$ 62,060	3%
Tools & Equipment	\$ -	11,148	\$ -	0%
Other Equipment	\$ -	11,148	\$ -	0%
Smart meter incremental operating expenses	\$ 25.04	11,148	\$ 279,114	12%
Total Smart Meter Capital Costs per meter	\$ 203.71		\$ 2,271,002	100%

b) Provide an estimate of the SM rate adder revenue collected from each of the Residential and GS<50kw classes to the end of 2010. (average #customers * SM adder rate/metered customer/month). Prorate the carrying costs and reconcile to OEB Worksheet 7.

Response:

OHL has provided actual SM rate adder revenues collected from each of the Residential and GS <50kW classes to the end of 2010. Please refer to Appendix A. In order to reconcile Sheet 7 Funding Adder Collected we have included the amounts collected from the GS >50kW class. Upon completing this exercise OHL noted an error on the Sheet 7 Funding Adder Collected. We have re-filed the Smart Meter Rate Adder Calculation Workform with a revised adder amount of \$2.88/metered customer/month.

c) Provide the estimated 2011 total capital costs (procurement and installation) for each of the Residential and GS<50 kw classes.

Response:

We are unable to provide the estimated 2011 total capital costs (procurement and installation) for each of the Residential and GS<50 kW classes.

Please see response to IR #2a.

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d) Calculate class-specific proxy 2011/12 rate adders using capital cost as the cost driver for allocating the 2011 Revenue Requirement. (Sheet 8). The class specific rate adders should add to the same total 2011/2012 SM revenue as that projected from the aggregate SM rate adder of \$2.70 (Worksheets 7 and 8).

Response:

OHL will not be able to calculate the class-specific proxy 2011/12 rate adders using capital cost as the cost driver for allocating the 2011 Revenue Requirement (Sheet 8) as noted in IR #1 c OHL followed the Guideline G-2008-0002 and the APH. OHL refers to the Board's Decision in the matter of the application by PowerStream Inc. EB-2010-0209, effective November 1, 2010.

'The Board finds that a cost allocation approach based on class specific revenue requirement calculations offset by class specific smart meter funding to be inconsistent with previous Board decisions, and that there has been no clear requirement to track costs by class.'

e) Why is Orangeville applying for an aggregate 2011 SM rate adder of \$2.00/customer/mo rather than \$2.70? Please explain.

Response:

OHL is applying for an aggregate 2011 SM rate adder of \$2.00/customer/mo rather than \$2.88 to minimize any rate impact to our customers.

LRAM

VECC IR#3

References: i) Managers Summary Pages 2-3
ii) Appendix A, Burman Report Page 6 and Attachments A, B and E

Preamble: For all programs/projects, the most recently published OPA assumptions and measures list were used in LRAM calculations in accordance with OEB's direction letter, Conservation and Demand Management ("CDM") Input Assumptions Board File No.: EB-2008-0352, January 27, 2009 and consistent with recent Decision and Order EB-2009-0192 for Horizon Utilities Corporation that directed LRAM calculations use the most current available input assumptions for all CDM programs.

a) For LRAM, the Guidelines and Policy Letter of January 27, 2009 Specify that:

The input assumptions used for the calculation of LRAM should be the best available at the time of the third party assessment referred to in section 7.5. For example, if any input assumptions change in 2007, those changes should apply for LRAM purposes from the beginning of 2007 onwards until changed again.....

Please confirm that the claim has been prepared in accordance with these Guidelines i.e.,

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only OPA 2010 Prescriptive Measures and Assumptions have been used. If not, list all exceptions and the basis for them.

Response:

At the time of submission, the most recent OPA and Assumptions were those released April 2009. All LRAM Calculations used the 2009 OPA Prescriptive Measures and Assumptions lists.

b) Confirm the Input assumptions for the following 3rd tranche CDM programs

- **Home Show Lightbulb Giveaway** –# units and unit kWh savings, lifetime and free ridership for each year 2005-2009.

- **Reduce the Juice Energy Audits 15W CFLs 2006-2007** –# units and unit kWh savings, lifetime and free ridership for each year 2005-2009.

Reconcile Residential CFLs to net **67,651** total kWh and Commercial CFLs to **200,621** kWh and **46,008** kWh (Attachment A) and to Attachment E.

Response:

Home Show Lightbulb Giveaway

2007

# of Units:	870
Unit kWh Savings:	43.2 kWh
Lifetime Savings / unit:	344 kWh
Free Ridership:	10%

Reduce the Juice Energy Audits 15W CFLs

2006

# of Units:	1,720
Unit kWh Savings:	43.2 kWh
Lifetime Savings / unit:	344 kWh
Free Ridership:	10%

2007

# of Units:	142
Unit kWh Savings:	180 kWh (OEB Commercial Assumptions and Measures)
Lifetime Savings / unit:	344
Free Ridership:	10%

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Home Show Lightbulb Giveaway:

2007: 870 units * 43.2 kWh = 37,584 kWh - 10 % = 33,825.6 kWh

2008: 870 units * 43.2 kWh = 37,584 kWh - 10 % = 33,825.6 kWh

Total: 33,825.6 + 33,825.6 = 67,651.2 kWh

Reduce the Juice: 2006 15W

2006: 1,720 Units * 43.2 kWh = 74,304 kWh - 10% = 66,873.6 kWh

2007: 1,720 Units * 43.2 kWh = 74,304 kWh - 10% = 66,873.6 kWh

2008: 1,720 Units * 43.2 kWh = 74,304 kWh - 10% = 66,873.6 kWh

Total: 66,873.6 + 66,873.6 + 66,873.6 = 200,620.8 kWh

Reduce the Juice: 2007 15W

2007: 142 units * 180 kWh = 25,560 kWh - 10% = 23,005 kWh

2008: 142 units * 180 kWh = 25,560 kWh - 10% = 23,005 kWh

Total: 23,005 + 23,005 = 46,010 kWh

c) Explain if/why the free-ridership assumption for CFLs is maintained at 10%.

Response:

The CFL program was completed in 2006 for the GS > 50 Sector and 2007 for the residential sector. At that time, 2005 OEB published assumptions and measures list tables were the source of the widely applied free ridership rate of 10%.

d) If the lifetime for CFLs is less than the 4 years for SSM purposes, explain why free ridership should be increased and/or a persistence factor applied.

Response:

Orangeville Hydro did not make an SSM Claim.

VECC IR# 4

References: Appendix A, Burman Report Page 5 and Attachment B

Preamble: OPA sponsored programs also represent lost revenue through their successful implementation and are included in LRAM calculations.

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a) Provide details of the OPA EKC campaigns from 2006-2009 that add to the data shown in Attachments A and B- Residential lines 1 and 10 Every Kilowatt Counts

- i. # units
 - ii. unit and total kWh savings,
 - iii. operating hours,
 - iv. lifetime and
 - v. free ridership
- for each year 2006-2009

Reconcile to the Values in Attachments A and B **3,838,540 kWh** and **65.46 kW** and **565,047 kWh** and **32.05 kW**.

Response:

See attached Excel Spreadsheet:

VECC_IRR_Orangeville_CDM_20101222.xlsx

Tab: *VECC IR #4a - as Filed* - are results as filed

Tab: *VECC IR #4a - Finalized* - are the updated finalized 2009 numbers

Reconcile to the Values in Attachments A and B **3,838,540 kWh** and **65.46 kW** and **565,047 kWh** and **32.05 kW**.

As Filed: 2006-8 Final+2009 Preliminary.OPA CDM Results

The following tables are from 2006-8 Final+2009 Preliminary.OPA CDMResults.Orangeville Hydro Limited.xls - TAB: Initiative Level - LDC

Net Summer Peak Demand Savings (kW)								
#	Initiative Name	Program Year	Results Status		2006	2007	2008	2009
	Every Kilowatt Counts	2006	Final		8.9182	8.9182	8.9182	8.9182
	Every Kilowatt Counts	2007	Final		0.0000	10.5914	9.5976	9.5976
	Every Kilowatt Counts Power Savings Event	2008	Final		0.0000	0.0000	13.6159	13.0109
	Every Kilowatt Counts Power Savings Event	2009	Preliminary		0.0000	0.0000	0.0000	5.4281

Total kW Savings:

EKC = $8.9182 + (8.9182 + 10.5914) + (8.9182 + 9.5976) + (8.9182 + 9.5976) = 65.4594 \text{ kW}$

EKC Power Savings Event: $= 13.6159 + (13.0109 + 5.428.1) = 32.05\text{kW}$

Responses to Vulnerable Energy Consumers Coalition (VECC) Interrogatories
2011 IRM3 Electricity Distribution Rates
Orangeville Hydro Limited (OHL)
EB-2010-0105

Net Energy Savings (kWh)							
#	Initiative Name	Program Year	Results Status	2006	2007	2008	2009
3	Every Kilowatt Counts	2006	Final	756,162	756,162	756,162	756,162
8	Every Kilowatt Counts	2007	Final	0	273,528	270,183	270,183
				0	0	0	0
#	Every Kilowatt Counts Power Savings Event	2008	Final	0	0	249,672	248,586
#	Every Kilowatt Counts Power Savings Event	2009	Preliminary	0	0	0	66,789

Total kWh savings:

$EKC = 756,162 + (756,162 + 273,528) + (756,162 + 270,183) + (756,162 + 270,183) = 3,383,540$ kWh

$EKC \text{ Power Savings Event} = 249,672 + (248,586 + 66,789) = 565,047$ kWh

As the 2009 OPA finalized results were recently received. Orangeville Hydro would like to update its LRAM claim to use the most recent OPA Conservation results.

Updated: 2006-2009 Final.OPA CDM Results

The following tables are from 2006-2009 Final.OPA CDM Results.Orangeville Hydro Limited.xls - TAB: Initiative Level - LDC

Net Summer Peak Demand Savings (kW)							
Initiative Name	Program Year	Results Status		2006	2007	2008	2009
Every Kilowatt Counts	2006	Final		8.9182	8.9182	8.9182	8.9182
Every Kilowatt Counts	2007	Final		0.0000	10.5914	9.5976	9.5976
Every Kilowatt Counts Power Savings Event	2008	Final		0.0000	0.0000	13.6159	13.0109
Every Kilowatt Counts Power Savings Event	2009	Final		0.0000	0.0000	0.0000	10.8289

Total kW Savings:

$EKC = 8.9182 + (8.9182 + 10.5914) + (8.9182 + 9.5976) + (8.9182 + 9.5976) = 65.4594$ kW

$EKC \text{ Power Savings Event: } 13.6159 + (13.0109 + 10.8289) = 37.4557$ kW

Responses to Vulnerable Energy Consumers Coalition (VECC) Interrogatories
2011 IRM3 Electricity Distribution Rates
Orangeville Hydro Limited (OHL)
EB-2010-0105

Net Energy Savings (kWh)						
Initiative Name	Program Year	Results Status	2006	2007	2008	2009
Every Kilowatt Counts	2006	Final	756,162	756,162	756,162	756,162
Every Kilowatt Counts	2007	Final	0	273,528	270,183	270,183
			0	0	0	0
Every Kilowatt Counts Power Savings Event	2008	Final	0	0	249,672	248,586
Every Kilowatt Counts Power Savings Event	2009	Final	0	0	0	106,890

Total kWh savings:

$EKC = 756,162 + (756,162 + 273,528) + (756,162 + 270,183) + (756,162 + 270,183) = 3,383,540$ kWh

$EKC \text{ Power Savings Event: } 249,672 + (248,586 + 106,890) = 605,148$ kWh

b) Provide a copy of the OPA Program Results for Orangeville and reconcile to the kW and kWh values claimed in Attachments A and B.

Response:

OHL has revised Attachment A, B, C & D and have attached as Appendix B. OHL has reconciled the OPA Program Results 'as filed' and 'finalized' in the attached spreadsheet.

The attached Excel Sheet contains excerpts from *2006-8 Final+2009 Preliminary.OPA CDM Results.Orangeville Hydro Limited.xls* and *2006-2009 Final.OPA CDM Results.Orangeville Hydro Limited.xls* files.

VECC_IRR_Orangeville_CDM_20101222.xlsx

Tab: *VECC IR #4b - As Filed* - are results as filed

Tab: *VECC IR #4b - Finalized* - are the updated finalized 2009 numbers

OHL has revised Table 1 and Table 2 of the Manager's Summary. OHL will not be requesting an adjustment to the LRAM Rate Riders as the finalized results do not affect the adjustment. Please see below revised tables and note that there was no difference in the Rate Rider.

Responses to Vulnerable Energy Consumers Coalition (VECC) Interrogatories
2011 IRM3 Electricity Distribution Rates
Orangeville Hydro Limited (OHL)
EB-2010-0105

Revised LRAM Totals				
Rate Class	Submitted LRAM \$	Revised LRAM \$		
<u>Third Tranche</u>				
Residential	\$ 840.00	\$ 840.00		
General Service 50 to 4,999 kW	\$ 24,849.33	\$ 24,849.33		
<u>OPA Programs</u>				
Residential	\$ 66,088.24	\$ 71,359.22		
General Service <50 kW	\$ 2,951.38	\$ 2,716.74		
General Service >50 kW	\$ 53.72	\$ 53.56		
	\$ 94,782.67	\$ 99,818.85		
Rate Riders by Class				
Total by Rate Class	LRAM \$	2010 Forecasted kWh/kW	Per Volumetric	Unit
Residential	\$ 72,199.22	85,739,256	0.0008	kWh
General Service <50 kW	\$ 2,716.74	38,644,867	0.0001	kWh
General Service >50 kW	\$ 24,902.89	294,391	0.0846	kW

Revenue to Cost Ratio Adjustment

VECC IR# 5

References: i) Managers Summary Page 4
ii) Revenue Cost Ratio Workform, Sheet C1.1

a) Please provide a reference for the 2010 Revenue to Cost ratios reported for Residential (109.17%), Sentinel Lighting (42.39%) and Street Lighting (38.38%). They do not appear to match either the 2010 proposed values in the original EB-2009-0272 Application or the 2010 values as reported in March 5th, 2010 Draft Rate Order.

Response:

In the investigation of the above noted differences it was determined that there was an input error in the 2010 Revenue to Cost ratios reported for Residential, Sentinel Lighting and Street Lighting classes on sheet C1.1 Decision Cost Revenue Adj. Please refer to the table below for the corrected Revenue to Cost ratios.

Responses to Vulnerable Energy Consumers Coalition (VECC) Interrogatories
2011 IRM3 Electricity Distribution Rates
Orangeville Hydro Limited (OHL)
EB-2010-0105

Rate Class	Direction	Current Year 2010	Transition Year 1 2011	Transition Year 2 2012	Transition Year 3 2013	Transition Year 4 2014	Transition Year 5 2015
Residential	Rebalance	109.07%	tbd	tbd	tbd	tbd	tbd
General Service Less Than 50 kW	No Change	102.26%	102.26%	102.26%	102.26%	102.26%	102.26%
General Service 50 to 4,999 kW	No Change	81.14%	81.14%	81.14%	81.14%	81.14%	81.14%
Unmetered Scattered Load	No Change	101.10%	101.10%	101.10%	101.10%	101.10%	101.10%
Sentinel Lighting	Change	43.33%	52.22%	61.11%	70.00%	70.00%	70.00%
Street Lighting	Change	39.43%	49.62%	59.81%	70.00%	70.00%	70.00%

OHL will re-file the referenced sheet with the correct ratios and we have updated and re-filled the IRM3 Rate Generator Revised Model.

VECC IR# 6

References: i) Managers Summary Page 4
ii) Revenue Cost Ratio Workform, Sheet C1.3

a) Please explain why no transformer allowance was included when in the original EB-2009-0272 Application (Exhibit 8/Tab 1/Schedule 1, pages 9-10) there were \$90,131 of transformer ownership allowance credits forecast for 2010 and the Application indicated (page 10) that the volumetric rates were adjusted to recover the transformer credits.

Response:

In the investigation of the above noted differences it was determined that there was an input error in C1.3 Transformer Allowance. OHL did not include the transformer allowance amount and have now revised the model to include the transformer allowance of \$90,119. The transformer allowance changed from 90,131 to 90,119 when the load forecast was revised in our 2010 Cost of Service Application. This revised amount has been inputted into C1.3 Transformer Allowance. Please refer to the tables below.

Rate Class	Transformer Allowance In Rate	Transformer Allowance A	Transformer Allowance kW's C	Transformer Allowance Rate E	Volumetric Distribution Rate F	Billed kW's G	Adjusted Volumetric Distribution Rate $I = (F * (G - C) + (F - B) * C) / G$
Residential	No						
General Service Less Than 50 kW	No						
General Service 50 to 4,999 kW	Yes	90,119	150,199	0.6000	2.1593	294,391	1.8532
Unmetered Scattered Load	No						
Sentinel Lighting	No						
Street Lighting	No						
		90,119	150,199			294,391	
		B	D			H	
		0					

Responses to Vulnerable Energy Consumers Coalition (VECC) Interrogatories
2011 IRM3 Electricity Distribution Rates
Orangeville Hydro Limited (OHL)
EB-2010-0105

Rate Class	Billed Customers or Connections	Base Distribution						Base Distribution				Distribution		Revenue Requirement from Rates J = G + H + I	Allocated Revenue Offset K	Adjusted Revenue L = J + K
		Billed kWh B	Billed kW C	Base Service Charge D	Volumetric Rate kWh E	Volumetric Rate kW F	Service Charge G = A * D * 12	Rate kWh H = B * E	Rate kW I = C * F							
Residential	10,045	85,739,256	0	0	16.18	0.0140	0.0000	1,950,240	1,200,350	0	3,150,590	296,304	3,446,894			
General Service Less Than 50 kW	1,081	38,644,867	0	0	32.76	0.0100	0.0000	424,766	386,449	0	811,215	75,358	886,573			
General Service 50 to 4,999 kW	133	123,337,329	294,391	0	183.39	0.0000	1.8532	292,690	0	545,560	838,250	73,360	911,611			
Unmetered Scattered Load	151	374,473	0	0	6.24	0.0088	0.0000	11,307	3,295	0	14,602	1,247	15,849			
Sentinel Lighting	170	129,053	357	0	1.86	0.0000	7.2396	3,796	0	2,588	6,384	1,513	7,897			
Street Lighting	2,724	1,787,017	5,069	0	0.79	0.0000	4.3510	25,823	0	22,054	47,877	7,169	55,046			
								2,708,623	1,590,094	570,202	4,868,918	454,952	5,323,870			
								O	P	Q	R					

VECC IR# 7

References: i) Revenue Cost Ratio Workform, Sheet B1.3

a) Please reconcile the Distribution Revenues reported in Sheet B1.3 (\$4,959,037) with the approved Distribution Revenues as set out in the March 5th, 2010 Draft Rate Order (\$4,873,572).

Response:

The Distribution Revenue reported in Sheet B1.3 Re-Based Rev From Rates has now changed from \$4,959,037 to \$4,868,918 as per our response to IR #6. There is a difference of \$4,654 (\$4,868,918 - \$4,873,572) from the approved Distribution Revenue as set out in the March 5th, 2010 Draft Rate Order due to a rounding difference of \$4,654 as calculated in our 2010 Cost of Service Rate design model.

APPENDIX A

Smart Meter Rate Adder Revenues Collected by Class

					2006											
Smart Meters					May	June	July	August	September	October	November	December				
Residential Class					\$ 379.09	\$ 2,380.27	\$ 2,856.86	\$ 2,536.18	\$ 2,766.34	\$ 225.41	\$ 2,403.60	\$ 2,978.92				
General Service < 50 KW					\$ 49.90	\$ 245.78	\$ 309.72	\$ 419.00	\$ 289.61	\$ 238.11	\$ 245.94	\$ 297.51				
General Service > 50 KW					\$ 5.83	\$ 33.33	\$ 31.54	\$ 14.74	\$ 40.01	\$ 31.77	\$ 37.97	\$ 34.42				
Total:					\$ 434.82	\$ 2,659.38	\$ 3,198.12	\$ 2,969.92	\$ 3,095.96	\$ 495.29	\$ 2,687.51	\$ 3,310.85				
Carrying Charges																
Residential Class						\$ (1.34)	\$ (10.58)	\$ (20.60)	\$ (31.24)	\$ (21.36)	\$ (51.38)	\$ (61.13)				
General Service < 50 KW						\$ (0.14)	\$ (1.15)	\$ (3.40)	\$ (3.27)	\$ (22.57)	\$ (5.26)	\$ (6.11)				
General Service > 50 KW						\$ (0.02)	\$ (0.12)	\$ (0.12)	\$ (0.45)	\$ (3.01)	\$ (0.81)	\$ (0.71)				
Total:					\$ -	\$ (1.50)	\$ (11.84)	\$ (24.12)	\$ (34.96)	\$ (46.94)	\$ (57.45)	\$ (67.95)				
2007																
Smart Meters					Janaury	February	March	April	May	June	July	August	September	October	November	December
Residential Class					\$ 2,096.77	\$ 2,816.26	\$ 2,777.10	\$ 2,464.12	\$ 2,336.12	\$ 2,779.86	\$ 2,687.40	\$ 2,681.95	\$ 2,698.77	\$ 2,385.23	\$ 2,548.50	\$ 2,891.96
General Service < 50 KW					\$ 235.93	\$ 294.81	\$ 305.66	\$ 271.62	\$ 257.41	\$ 301.91	\$ 302.53	\$ 290.94	\$ 288.42	\$ 251.21	\$ 284.95	\$ 294.99
General Service > 50 KW					\$ 31.92	\$ 33.63	\$ 35.10	\$ 35.91	\$ 34.25	\$ 35.45	\$ 33.90	\$ 33.50	\$ 37.08	\$ 25.69	\$ 45.29	\$ 34.69
Total:					\$ 2,364.61	\$ 3,144.70	\$ 3,117.86	\$ 2,771.65	\$ 2,627.79	\$ 3,117.22	\$ 3,023.82	\$ 3,006.40	\$ 3,024.27	\$ 2,662.14	\$ 2,878.74	\$ 3,221.64
Carrying Charges																
Residential Class					\$ (71.71)	\$ (80.80)	\$ (91.38)	\$ (102.16)	\$ (111.97)	\$ (121.71)	\$ (132.36)	\$ (143.68)	\$ (154.54)	\$ (186.03)	\$ (194.69)	\$ (209.33)
General Service < 50 KW					\$ (8.07)	\$ (8.46)	\$ (10.06)	\$ (11.26)	\$ (12.34)	\$ (13.22)	\$ (14.90)	\$ (15.59)	\$ (16.52)	\$ (19.59)	\$ (21.77)	\$ (21.35)
General Service > 50 KW					\$ (1.09)	\$ (0.96)	\$ (1.16)	\$ (1.49)	\$ (1.64)	\$ (1.55)	\$ (1.67)	\$ (1.79)	\$ (2.12)	\$ (2.00)	\$ (3.46)	\$ (2.51)
Total:					\$ (80.87)	\$ (90.22)	\$ (102.60)	\$ (114.91)	\$ (125.95)	\$ (136.48)	\$ (148.93)	\$ (161.07)	\$ (173.18)	\$ (207.63)	\$ (219.92)	\$ (233.19)
2008																
Smart Meters					Janaury	February	March	April	May	June	July	August	September	October	November	December
Residential Class					\$ 2,157.50	\$ 2,944.63	\$ 2,748.36	\$ 2,365.87	\$ 2,688.63	\$ 2,743.55	\$ 2,437.31	\$ 2,698.45	\$ 2,692.94	\$ 2,752.53	\$ 2,705.32	\$ 3,029.32
General Service < 50 KW					\$ 262.04	\$ 328.55	\$ 302.43	\$ 260.10	\$ 321.38	\$ 294.40	\$ 266.79	\$ 294.26	\$ 299.14	\$ 302.19	\$ 293.98	\$ 297.86
General Service > 50 KW					\$ 33.10	\$ 37.06	\$ 33.60	\$ 35.55	\$ 35.61	\$ 34.08	\$ 34.71	\$ 34.10	\$ 35.97	\$ 34.98	\$ 34.31	\$ 35.27
Total:					\$ 2,452.64	\$ 3,310.24	\$ 3,084.39	\$ 2,661.52	\$ 3,045.62	\$ 3,072.03	\$ 2,738.82	\$ 3,026.81	\$ 3,028.05	\$ 3,089.70	\$ 3,033.61	\$ 3,362.45
Carrying Charges																
Residential Class					\$ (218.15)	\$ (230.89)	\$ (244.91)	\$ (204.09)	\$ (211.36)	\$ (223.79)	\$ (191.36)	\$ (199.05)	\$ (206.63)	\$ (215.10)	\$ (223.61)	\$ (234.17)
General Service < 50 KW					\$ (26.50)	\$ (25.76)	\$ (26.95)	\$ (22.44)	\$ (25.26)	\$ (24.01)	\$ (20.95)	\$ (21.71)	\$ (22.95)	\$ (23.62)	\$ (24.30)	\$ (23.02)
General Service > 50 KW					\$ (3.35)	\$ (2.91)	\$ (2.99)	\$ (3.07)	\$ (2.80)	\$ (2.78)	\$ (2.73)	\$ (2.52)	\$ (2.76)	\$ (2.73)	\$ (2.84)	\$ (2.73)
Total:					\$ (247.99)	\$ (259.56)	\$ (274.85)	\$ (229.59)	\$ (239.42)	\$ (250.59)	\$ (215.03)	\$ (223.28)	\$ (232.35)	\$ (241.45)	\$ (250.75)	\$ (259.92)

		2009											
Smart Meters		Janaury	February	March	April	May	June	July	August	September	October	November	December
Residential Class		\$ 2,115.42	\$ 2,738.61	\$ 2,246.02	\$ 2,724.39	\$ 3,660.12	\$ 8,452.47	\$ 10,172.10	\$ 10,271.10	\$ 8,843.08	\$ 9,975.74	\$ 10,614.94	\$ 24,693.70
General Service < 50 KW		\$ 263.10	\$ 299.31	\$ 269.00	\$ 296.56	\$ 392.90	\$ 935.73	\$ 1,125.67	\$ 1,105.68	\$ 956.00	\$ 1,109.11	\$ 1,136.03	\$ 2,632.76
General Service > 50 KW		\$ 34.35	\$ 34.65	\$ 33.73	\$ 30.93	\$ 60.97	\$ 127.31	\$ 127.83	\$ 128.40	\$ 125.77	\$ 119.44	\$ 107.74	\$ 390.28
Total:		\$ 2,412.88	\$ 3,072.57	\$ 2,548.76	\$ 3,051.88	\$ 4,113.99	\$ 9,515.52	\$ 11,425.59	\$ 11,505.18	\$ 9,924.85	\$ 11,204.28	\$ 11,858.71	\$ 27,716.74
Carrying Charges													
Residential Class		\$ (173.14)	\$ (181.15)	\$ (184.62)	\$ (78.51)	\$ (80.61)	\$ (83.81)	\$ (50.18)	\$ (55.07)	\$ (59.64)	\$ (63.64)	\$ (68.37)	\$ (72.92)
General Service < 50 KW		\$ (21.53)	\$ (19.80)	\$ (22.11)	\$ (8.55)	\$ (8.65)	\$ (9.28)	\$ (5.55)	\$ (5.93)	\$ (6.45)	\$ (7.08)	\$ (7.32)	\$ (7.77)
General Service > 50 KW		\$ (2.81)	\$ (2.29)	\$ (2.77)	\$ (0.89)	\$ (1.34)	\$ (1.26)	\$ (0.63)	\$ (0.69)	\$ (0.85)	\$ (0.76)	\$ (0.69)	\$ (1.15)
Total:		\$ (197.49)	\$ (203.24)	\$ (209.50)	\$ (87.95)	\$ (90.60)	\$ (94.35)	\$ (56.36)	\$ (61.69)	\$ (66.93)	\$ (71.48)	\$ (76.38)	\$ (81.85)
		2010											
Smart Meters		Janaury	February	March	April	May	June	July	August	September	October	November	December
Residential Class		\$ (5,359.51)	\$ 9,899.41	\$ 8,881.10	\$ 11,168.32	\$ 10,308.13	\$ 9,115.57	\$ 10,388.52	\$ 10,150.45	\$ 8,748.83	\$ 9,471.00	\$ 10,554.25	\$ 24,667.90
General Service < 50 KW		\$ (565.42)	\$ 1,072.61	\$ 1,013.64	\$ 1,168.07	\$ 1,172.29	\$ 1,009.46	\$ 1,109.67	\$ 1,092.00	\$ 1,000.74	\$ 1,012.45	\$ 1,185.87	\$ 2,771.67
General Service > 50 KW		\$ (132.72)	\$ 132.72	\$ 127.58	\$ 133.25	\$ 132.58	\$ 136.98	\$ 124.58	\$ 125.54	\$ 110.44	\$ 131.43	\$ 118.59	\$ 277.17
Total:		\$ (6,057.65)	\$ 11,104.74	\$ 10,022.32	\$ 12,469.64	\$ 11,613.00	\$ 10,262.01	\$ 11,622.77	\$ 11,367.99	\$ 9,860.01	\$ 10,614.88	\$ 11,858.71	\$ 27,716.74
Carrying Charges													
Residential Class		\$ (83.69)	\$ (81.89)	\$ (85.94)	\$ (91.02)	\$ (95.32)	\$ (100.16)	\$ (169.97)	\$ (177.62)	\$ (184.12)	\$ (191.80)	\$ (198.47)	\$ (206.44)
General Service < 50 KW		\$ (8.83)	\$ (8.87)	\$ (9.81)	\$ (9.52)	\$ (10.84)	\$ (11.09)	\$ (18.16)	\$ (19.11)	\$ (21.06)	\$ (20.50)	\$ (22.30)	\$ (23.20)
General Service > 50 KW		\$ (2.07)	\$ (1.10)	\$ (1.23)	\$ (1.09)	\$ (1.23)	\$ (1.51)	\$ (2.04)	\$ (2.20)	\$ (2.32)	\$ (2.66)	\$ (2.23)	\$ (2.32)
Total:		\$ (94.59)	\$ (91.86)	\$ (96.99)	\$ (101.63)	\$ (107.39)	\$ (112.76)	\$ (190.16)	\$ (198.92)	\$ (207.50)	\$ (214.97)	\$ (223.00)	\$ (231.96)

APPENDIX B

Attachment A, B, C & D

2010 – SHEET O1 AND SHEET O2

2007 – SHEET I6 AND SHEET I8

ATTACHMENT A
CDM Load Impacts by Class and Program

Class Program	Year Implemented	NET 2006		GROSS 2006		NET 2007		GROSS 2007		NET 2008		GROSS 2008		NET 2009		GROSS 2009		NET		GROSS	
		kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	Total kWh	Total kW	Total kWh	Total kW
Third Tranche																					
RESIDENTIAL																					
Home Show Lightbulb Giveaway	2007									33,826	0.78	37,584	0.87	33,826	0.78	37,584	0.87	67,651	1.57	75,168	1.74
GENERAL SERVICE 50 TO 4,999 kW																					
Reduce the Juice Energy Audits	2006-2007					66,874	1.55	74,304	1.72	121,098	12.37	142,035	15.24	121,098	12.37	142,035	15.24	309,070	26.28	358,374	32.20
15W CFLs - 2006						66,874	1.55	74,304	1.72	66,874	1.55	74,304	1.72	66,874	1.55	74,304	1.72	200,621	4.64	222,912	5.16
15W CFLs - 2007										23,004	4.67	28,755	5.84	23,004	4.67	28,755	5.84	46,008	9.34	57,510	11.68
LED Exit Sign										4,683	0.51	5,854	0.63	4,683	0.51	5,854	0.63	9,366	1.02	11,708	1.27
32W T8 Fixtures - 4 LAMP										26,179	5.60	32,724	6.99	26,179	5.60	32,724	6.99	52,358	11.19	65,448	13.99
Energy Star Freezer										358	0.05	398	0.05	358	0.05	398	0.05	716	0.09	796	0.10
1000																					
OPA Programs																					
A Copy of the Program Measures by Year, Unit kWh Savings, Useful life, # of Units can be found on "OPA MEASURES" Tab																					
Residential																					
Cool Savings Rebate Program	2008 - 2009									49,184	31.16	85,622	54.09	110,656	71.64	229,496	146.71	159,841	102.80	315,117	200.80
Secondary Fridge Retirement Pilot	2006	11,805	2.68	13,117	2.97	74,772	57.45	126,540	96.75	74,772	57.45	126,540	96.75	74,772	57.45	126,540	96.75	47,220	10.70	52,467	11.89
Cool & Hot Savings Rebate	2006-2007	29,142	27.01	36,917	32.84	74,772	57.45	126,540	96.75	74,772	57.45	126,540	96.75	74,772	57.45	126,540	96.75	253,458	199.36	416,537	323.08
Great Refrigerator Roundup	2007					54,589	6.21	135,225	15.30	151,495	16.58	313,761	34.59	266,981	33.80	529,942	67.86	473,064	56.58	978,928	117.75
Every Kilowatt Counts	2006 - 2007	756,162	8.92	840,180	9.91	1,029,690	83.76	1,213,344	25.24	1,026,345	18.52	1,207,262	23.44	1,026,345	18.52	1,207,262	23.44	3,838,540	129.71	4,468,048	82.03
peaksaver®	2007, 2008					0.00	74.84	0	83.16	2,631	206.41	2,924	229.35	3,714	332.52	4,127	369.47	6,345	613.77	7,051	681.97
Summer Savings	2007					197,380	110.50	1,644,835	920.84	33,269	32.95	277,241	274.62	12,593	15.87	104,940	132.22	243,242	159.32	2,027,017	1327.68
Social Housing – Pilot	2007					24,860	2.92	24,860	2.92	24,860	2.92	24,860	2.92	24,860	2.92	24,860	2.92	74,581	8.77	74,581	8.77
Energy Efficiency Assistance for Houses – Pilot	2007					0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00
Summer Sweepstakes	2008									95,869	24.25	123,565	31.26	34,595	13.91	44,589	17.93	130,464	38.16	168,154	49.19
Every Kilowatt Counts Power Savings Event	2008									249,672	13.62	619,227	32.61	355,476	23.84	907,450	60.45	605,149	37.46	1,526,677	93.06
General Service<50kW																					
OPA Conservation Programs																					
High Performance New Construction	2008									576	0.68	823	0.97	18,518	8.55	26,454	12.22	19,094	9.23	27,277	13.19
Power Savings Blitz	2008									0.00	0.00	0	0.00	309,504	79.33	325,794	83.51	309,504	79.33	325,794	83.51
General Service>50kW to 4,999kW																					
OPA Conservation Programs																					
Electricity Retrofit Incentive Program	2007, 2008					0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	271,136	40.23	430,227	63.64	271,136	40.23	430,227	63.64

Foregone Revenue by Class and Program

[illegible]

\$99,818.85

ATTACHMENT C**LRAM Totals****Rate Class**

	LRAM \$
<u>Third Tranche</u>	
RESIDENTIAL	\$840.00
GENERAL SERVICE 50 TO 4,999 Kw	\$24,849.33
UTILITY COSTS	\$0.00
<u>OPA Programs</u>	
RESIDENTIAL	\$71,359.22
GENERAL SERVICE <50KW	\$2,716.74
GENERAL SERVICE >50KW	\$53.56
	\$99,818.85

ATTACHMENT D**LRAM Input Assumptions**

Class		Free Rider	Number of	Table	Discount Factor	Technology Life
Program		LRAM	LRAM	LRAM	LRAM	LRAM
Third Tranche						
RESIDENTIAL						
Home Show Lightbulb Giveaway		10%	870	OPA	7.39%	8
GENERAL SERVICE 50 TO 4,999 kW						
Reduce the Juice Energy Audits						
15W CFLs - 2006		10%	1,720	OPA	7.39%	8
15W CFLs - 2007*		10%	142	OEB	7.39%	2
LED Exit Sign*		10%	22	OEB	7.39%	25
32W T8 Fixtures - 4 LAMP*		10%	101	OEB	7.39%	5
Energy Star Freezer		10%	10	OPA	7.39%	21

1Tables

OEB: OEB Total Resource Cost Guide, Section 5, Assumptions and Measures List September 8, 2005 - File: cdm_assumptionsmeasureslist_08092005.xls

OPA: 2009 Mass Market Measures and Assumptions, V1.02 April 2009, Ontario Power Authority - 16080_V_1_02_2009_MA_List_-_MM_14Apr_2009.pdf