

November 15, 2010

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
P.O. Box 2319  
2300 Yonge Street, 27<sup>th</sup> Floor  
Toronto, ON  
M4P 1E4

Dear Ms. Walli,

**RE: Kingston Hydro Corporation**  
**EB-2010-0136 Cost of Service Rate Application**  
**Responses to Vulnerable Energy Consumers Coalition (VECC) Interrogatories**

Pursuant to the Board's Procedural Order No. 1, issued on October 12, 2010, please find attached Kingston Hydro Corporation responses to VECC interrogatories (dated October 29, 2010) for this rate proceeding which have been filed electronically through the Board's RESS filing system and emailed to intervenors listed in Appendix "A" of the Order.

Respectfully submitted,



J.A. Keech, President & CEO  
Kingston Hydro Corporation

Copy: Andrew Taylor, Energy Law (by email)  
Vulnerable Energy Consumers Coalition, Michael Buonaguro (by email)  
Energy Probe Research Foundation, Randy Aiken (by email)  
School Energy Coalition, Jay Shepherd (by email)

**IN THE MATTER OF** the *Ontario Energy Board Act, 1998*,  
S.O. 1998, c.15, (Schedule B);

**AND IN THE MATTER OF** an application by Kingston Hydro Corporation for an order approving just and reasonable rates and other charges for electricity distribution to be effective May 1, 2011.

**INTERROGATORIES  
FROM  
VULNERABLE ENERGY CONSUMERS COALITION**

## **LOAD FORECAST**

### **Interrogatory #1**

**Reference:** *Exhibit 3/Tab 1/Schedule 1, page 3*

***a) Please confirm that Kingston is forecasting that it will have only one FIT customer in each of the Residential and GS<50 classes in 2011. If not, what is the forecast customer count?***

The forecast customer count for Load Displacement Generation was provided in Table 1 on page 3 of Exhibit 3/Tab 1/Schedule 1. Load Displacement in this case refers to customers who elect to connect generation with a net-metering configuration. This forecast was included with the Historic and Forecast Volumes section of the rate application since Net-metered installations displace load consumption measured at the customer's retail load meter.

FIT generator connection forecasts were not included in Exhibit 3/Tab 1/Schedule 1 since they are connected with a gross-metering arrangement which does not impact the consumption measured at the customer's retail load meter. However, a Revenue Forecast for FIT Connections was provided in Exhibit 3/Tab 1/Schedule 1 Attachment 1 as Other Revenue Offsets under Account 4080. The revenue forecast for Micro-FIT Connections in 2010 and 2011 is based on the following connection forecasts and service charges:

**2010 Revenue from Micro-FIT Service Charges**

Month		Connections	Rate	Revenue
2010		#	\$5.25	\$
Jan-10	Actual	2	\$5.25	\$10.50
Feb-10	Actual	2	\$5.25	\$10.50
Mar-10	Actual	3	\$5.25	\$15.75
Apr-10	Actual	4	\$5.25	\$21.00
May-	Actual	4	\$5.25	\$21.00
Jun-10	Actual	7	\$5.25	\$36.75
Jul-10	Forecast	8	\$5.25	\$42.00
Aug-10	Forecast	9	\$5.25	\$47.25
Sep-10	Forecast	10	\$5.25	\$52.50
Oct-10	Forecast	11	\$5.25	\$57.75
Nov-10	Forecast	12	\$5.25	\$63.00
Dec-10	Forecast	13	\$5.25	<u>\$68.25</u>
				\$446.25

**2011 Revenue from Micro-FIT Service Charges**

Month		Connections	Rate	Revenue
2010		#	\$5.25	\$
Jan-11	Forecast	14	\$5.25	\$73.50
Feb-11	Forecast	15	\$5.25	\$78.75
Mar-	Forecast	16	\$5.25	\$84.00
Apr-11	Forecast	17	\$5.25	\$89.25
May-	Forecast	18	\$5.25	\$94.50
Jun-11	Forecast	19	\$5.25	\$99.75
Jul-11	Forecast	20	\$5.25	\$105.00
Aug-11	Forecast	21	\$5.25	\$110.25
Sep-11	Forecast	22	\$5.25	\$115.50
Oct-11	Forecast	23	\$5.25	\$120.75
Nov-11	Forecast	24	\$5.25	\$126.00
Dec-11	Forecast	25	\$5.25	<u>\$131.25</u>
				<b>\$1,228.50</b>

***b) Is this forecast based on information from the OPA as to the number of FIT/microFIT applications the OPA has received for the Kingston service area? If yes, how recent is the information? If not, why not?***

The FIT forecast information supplied in part a) of this interrogatory question is based on a combination of actual connections for the first half of 2010 and a forecast of connections for the remainder of 2010 and 2011 using information from the OPA and customer inquiries received by staff.

**Interrogatory #2**

**Reference: Exhibit 3/Tab 1/Schedule 1, Attachment 1**

***a) Please explain how the normalized 2009 kWh forecast for each customer class was derived.***

Please see response to EP #12 (j).

### **Interrogatory #3**

**Reference: Exhibit 3/Tab 1/Schedule 2, Attachment 1**

**a) With respect to page 3, please provide a schedule that sets out (for those classes with demand charges) the actual kW to kWh ratio for 2007, 2008 and 2009.**

The table below sets out the actual kW to kWh ratio for 2007, 2008 and 2009 for those classes with demand charges.

	GS>50 kW Class			LU Class			Street Light Class		
	kW	kWh	kW/kWh	kW	kWh	kW/kWh	kW	kWh	kW/kWh
2007	720,647	275,557,420	0.00262	307,497	150,723,902	0.00204	11,141	3,972,085	0.00280
2008	725,580	274,569,665	0.00264	297,062	150,640,722	0.00197	11,195	4,009,437	0.00279
2009	730,263	270,117,290	0.00270	289,874	148,002,869	0.00196	11,246	3,992,185	0.00282

**b) With respect to page 4, was a Residential equation that included the number of customers tested? If not, why not? If yes, what were the results and why was it rejected for purposes of establishing Kingston's load forecast?**

Yes. The results are attached below. In every instance, the customer number count is negative, which is counterintuitive. For this reason, the results were rejected for use in establishing Kingston's load forecast.

OLS, using observations 2003:01-2009:12 (T = 84)  
Dependent variable: ReskWh

	coefficient	std. error	t-ratio	p-value	
const	2.65584e+07	8.08511e+06	3.285	0.0015	***
HDD	15273.3	498.329	30.65	1.30e-045	***
CDD	23177.6	4215.09	5.499	4.55e-07	***
PeakDays	143043	107760	1.327	0.1882	
ResCust	-810.736	343.257	-2.362	0.0206	**
R-squared	0.942287	Adjusted R-squared	0.939365		
F(4, 79)	322.4609	P-value(F)	4.49e-48		
rho	0.110483	Durbin-Watson	1.745848		

OLS, using observations 2003:01-2009:12 (T = 84)  
Dependent variable: ReskWh

	coefficient	std. error	t-ratio	p-value	
const	3.83732e+07	1.00487e+07	3.819	0.0003	***
HDD	15875.9	581.702	27.29	1.17e-041	***
CDD	18480.7	4811.34	3.841	0.0002	***
PeakDays	147428	105992	1.391	0.1682	
ResCust	-1616.00	537.932	-3.004	0.0036	***
FTE	103808	53994.3	1.923	0.0582	*
R-squared	0.944898	Adjusted R-squared	0.941366		
F(5, 78)	267.5125	P-value(F)	1.42e-47		
rho	0.044939	Durbin-Watson	1.877660		

OLS, using observations 2003:01-2009:12 (T = 84)  
Dependent variable: ReskWh

	coefficient	std. error	t-ratio	p-value	
const	2.96030e+07	7.78979e+06	3.800	0.0003	***
HDD	15208.3	498.280	30.52	7.77e-046	***
CDD	23355.9	4232.97	5.518	4.11e-07	***
ResCust	-812.377	344.886	-2.355	0.0209	**
R-squared	0.941000	Adjusted R-squared	0.938787		
F(3, 80)	425.3092	P-value(F)	4.77e-49		
rho	0.053927	Durbin-Watson	1.858949		

OLS, using observations 2003:01-2009:12 (T = 84)  
Dependent variable: ReskWh

	coefficient	std. error	t-ratio	p-value	
const	3.18844e+07	1.75407e+07	1.818	0.0729	*
HDD	15699.0	604.655	25.96	3.93e-040	***
CDD	18575.7	4860.16	3.822	0.0003	***
ResCust	-1215.98	806.584	-1.508	0.1357	
time	-7419.26	11369.9	-0.6525	0.5160	
FTE	119117	60356.1	1.974	0.0520	*
R-squared	0.943838	Adjusted R-squared	0.940238		
F(5, 78)	262.1682	P-value(F)	2.99e-47		
rho	0.004718	Durbin-Watson	1.960177		

OLS, using observations 2003:01-2009:12 (T = 84)  
Dependent variable: ReskWh

	coefficient	std. error	t-ratio	p-value	
const	3.30151e+07	1.78496e+07	1.850	0.0681	*
HDD	15267.9	574.055	26.60	3.57e-041	***
CDD	23175.1	4342.42	5.337	8.81e-07	***
ResCust	-968.392	811.236	-1.194	0.2362	
time	2223.94	10452.9	0.2128	0.8321	
R-squared	0.941034	Adjusted R-squared	0.938048		
F(4, 79)	315.1864	P-value(F)	1.05e-47		
rho	0.045524	Durbin-Watson	1.875254		



***c) With respect to page 5, was a  $GS > 50$  equation that included the number of customers tested? If not, why not? If yes, what were the results and why was it rejected for purposes of establishing Kingston's load forecast?***

No. A graphical plot was examined that did not suggest a causal relationship between number of customers and consumption. Because of this, and the fact that an equation with good results was determined without this variable, it was not considered.

***d) With respect to page 5, why does the equation for the Large User class not include HDD as an explanatory variable?***

The large user class is not sensitive to HDD, but is sensitive to CDD. This is due to the fact that these customers have a natural gas fired district heating system but have installed extensive air-conditioning capacity since 2005.

***e) With respect to page 10, please provide any more recent economic forecasts published by the four banks noted.***

Please see response to Energy Probe #12 (g).

***f) With respect to Table #10, based the actual weather for 2009 and the coefficients for HDD and CDD for the regression equations for each customer class , what is the kWh adjustment required in order to "weather correct" the actual purchases for each class for the 2009 period?***

We are unclear on what Table #10 refers to, but please see response to Energy Probe #12 (m) for the requested calculation.

***g) With respect to the customer count equations on page 12:***

- ***Was monthly customer count data used?***
- ***What was the time period used to estimate each equation?***
- ***What are the R-squared values for each of the two customer count equations?***
- ***Does FTE (-7) mean the variable was included using a 7-month lag? If not, please provide the proper interpretation.***
- ***How was the lag period established for each equation?***

Monthly data from October 2007 to December 2009 was used. Please see response to Energy Probe 12 (d) for regression specifics. FTE(-7) indicated the variable was included using a 7-month lag. The lag was determined in order to find the best overall fit.

***h) Please provide the actual customer count for each class for the most recent month available.***

Actual customer count for October 2010 is displayed below.

<b>Residential</b>	<b>GS&lt;50</b>	<b>GS&gt;50</b>	<b>Large Use</b>	<b>Street Light</b>	<b>USL</b>
23,212	3,247	340	3	5,118	158

***i) Please comment on the customer count growth shown in this section for 2010 and 2011 versus the number of new connections assumed for purposes of forecasting capital spending (Exhibit 2).***

There is no direct correlation between the customer count growth shown in this section for 2010 and 2011 and the forecasting of capital spending (Exhibit 2). One reason for there being no direct correlation is that the customer count growth shown in this section includes metering additions for existing and new apartments which share a common service connection. Another reason for there being no direct correlation is that the capital spending for Services (Account 1855) described in Exhibit 2 includes new connections as well as upgrades to existing connections that are triggered by Overhead or Underground distribution system upgrades.

***j) Please comment on the reasonableness of the forecast decline in the GS<50 customer count for 2010 and 2011 given the positive economic growth forecast for both years.***

Please see response to Energy Probe #11 (b).

***k) With respect to pages 15-16, please provide the projected values used for 2010 and 2011 for purposes of the load forecast.***

Please see response to Energy Probe 12 (a).

**Interrogatory #4**

**Reference: Exhibit 3/Tab1/Schedule 3, Attachment 1**

***a) Please update the average commodity cost used for 2011 (\$0.6679/kWh) to reflect the Board's October 2010 RPP Report and recalculate the 2011 projected power supply expenses.***

In Exhibit 3/Tab 1/Schedule 3 Attachment 1, the average commodity cost used for 2011 was \$0.06679/kWh and was based on the OEB's RPP Report issued April 15, 2010.

Please see Kingston Hydro response to Energy Probe Interrogatory #13 d) for updated 2011 average commodity cost to reflect OEB's October 2010 RPP Report and recalculated 2011 projected power supply expenses.

**Interrogatory #5**

**Reference: Exhibit 3/Tab 2/Schedule 1, Attachment 1**

***a) Please indicate whether the 2010 rates used included either the Smart Meter Rate Adder or the LV Rate Adder.***

Please refer to Exhibit 3/Tab 2/Schedule 1 page 2 lines 7-8 of the Application.

***b) If either was included, please re-do the tables excluding the revenues associated with these adders.***

Please see response 5 a) above.

**Interrogatory #6**

**Reference: Exhibit 3/Tab 3/Schedule 2, Attachment 1**

***a) Many of the restatements simply involve transferring revenues from one revenue account to another. For each of 2008 and 2009, please indentify the “re-statements” that lead to a change in the overall reported level of Other Revenue (e.g. for 2009 the total changed from \$843,469 to \$790,316).***

Refer to Exhibit 3, Tab 3, Schedule 2, commencing on line 14.

**Interrogatory #7**

**Reference:** Exhibit 3/Tab 3/Schedule 5, page 2

***a) The paragraph at line 16 explains that the \$56,539 increase for 2008 was due to the legal settlement. However, the paragraph at line 25 indicates that the reduction of \$117,443 for 2009 was due to the fact that the 2008 settlement was a one-time non-recurring event. Please explain why the decrease is so much larger than the original increase.***

The \$56,539 increase for 2008 was largely due to a combination of an increase for the \$131,745 one time legal settlement amount received in 2008 and a decrease due to a one time manual electric adjustment amount of \$75,025 in 2007, that is not present in 2008.

The \$117,443 reduction for 2009 is mainly made up of a one-time revenue amount that occurred in 2008, but was not present in 2009.

Therefore the variance year over year will not be consistent because the one time manual electric adjustment of \$75,025 in 2007 affected the 2007-2008 variance, as illustrated in the table below.

<b>4390-Miscellaneous Non-Operating Income</b>	<b>Actual 2006</b>	<b>Actual 2007</b>	<b>2006-2007 Variance</b>	<b>Actual 2008</b>	<b>2007-2008 Variance</b>	<b>Actual 2009</b>	<b>2008-2009 Variance</b>
Sale of Scrap	27,711	30,029	<b>2,317</b>	39,690	<b>9,661</b>	37,540	<b>(2,149)</b>
Electric Damage Meter	1,022	807	<b>(215)</b>	1,125	<b>318</b>	1,249	<b>125</b>
Electric Relocation Charge	525	375	<b>(150)</b>	-	<b>(375)</b>	-	-
Other Miscellaneous Revenue	(8,185)	9,767	<b>17,952</b>	131,745	<b>121,978</b>	16,938	<b>(114,807)</b>
Manual Electric Adjustment	(593)	75,025	<b>75,618</b>	(18)	<b>(75,043)</b>	(629)	<b>(612)</b>
<b>Total</b>	<b>20,480</b>	<b>116,003</b>	<b>95,523</b>	<b>172,542</b>	<b>56,539</b>	<b>55,098</b>	<b>(117,443)</b>

## **REVENUE DEFICIENCY**

### **Interrogatory #8**

**Reference:** *Exhibit 6/Tab 2/Schedule 1, Attachment 1 Revenue Requirement Work Form (RRWF)*

**a) Please reconcile the gross revenue deficiency for 2011 reported in Exhibit 6 (\$2,651,557) with that reported in the RRWF (\$3,370,922).**

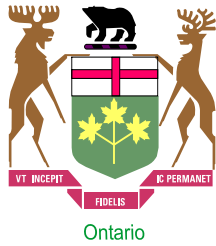
The actual gross deficiency being claimed by Kingston Hydro is \$2,651,557.

The Applicant had an input error on the revenue requirement work form. The Applicant input taxable income in cell E40 of the Data input sheet instead of the adjustment required reconciling accounting income to taxable income.

Please find attached a revised RRWF showing a revenue deficiency of \$2,633,502.

Please note the revenue deficiency being claimed by the Applicant of \$2,651,557 is more than the amount calculated on the RRWF due to incorrect rates being used with respect to PILs calculations in the RRWF. For example, the provincial tax rate used of 9.83% to calculate PILS payable in the RRWF is correct however if this rate is used to calculate the PILS gross-up it results in a shortfall in the PILS revenue requirement as illustrated in the answer to Board staff IR 40 a). The provincial tax rate used to calculate the PILs gross up should be 11.75%. This effectively increases the revenue deficiency claimed by \$18,057 to \$2,651,557. This shortfall is also illustrated on cell H48, Sheet 5 of the RRWF.





## Revenue Requirement Work Form

Name of LDC: Kingston Hydro Corporation (1)  
File Number: EB-2010-0136  
Rate Year: 2011 Version: 2.11

### Table of Content

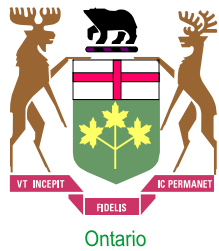
<u>Sheet</u>	<u>Name</u>
A	<a href="#"><u>Data Input Sheet</u></a>
1	<a href="#"><u>Rate Base</u></a>
2	<a href="#"><u>Utility Income</u></a>
3	<a href="#"><u>Taxes/PILS</u></a>
4	<a href="#"><u>Capitalization/Cost of Capital</u></a>
5	<a href="#"><u>Revenue Sufficiency/Deficiency</u></a>
6	<a href="#"><u>Revenue Requirement</u></a>
7A	<a href="#"><u>Bill Impacts -Residential</u></a>
7B	<a href="#"><u>Bill Impacts - GS &lt; 50 kW</u></a>

#### Notes:

- (1) Pale green cells represent inputs
- (2) Pale yellow cells represent drop=down lists
- (3) **Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.**
- (4) **Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel format.**

#### Copyright

*This Revenue Requirement Work Form Model is protected by copyright and is being made available to you solely for the purpose of preparing or reviewing your draft rate order. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.*



## Revenue Requirement Work Form

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

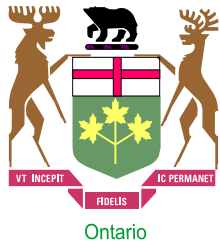
Version: 2.11

Data Input										(1)
Initial Application		(7)						Per Board Decision		
<b>1 Rate Base</b>										
Gross Fixed Assets (average)	\$49,850,935				\$	49,850,935			\$49,850,935	
Accumulated Depreciation (average)	(\$16,983,278)	(5)			-\$	16,983,278			(\$16,983,278)	
<b>Allowance for Working Capital:</b>										
Controllable Expenses	\$6,980,907				\$	6,980,907			\$6,980,907	
Cost of Power	\$61,518,323				\$	61,518,323			\$61,518,323	
Working Capital Rate (%)	15.00%					15.00%			15.00%	
<b>2 Utility Income</b>										
<b>Operating Revenues:</b>										
Distribution Revenue at Current Rates	\$9,540,655									
Distribution Revenue at Proposed Rates	\$12,174,156	##								
<b>Other Revenue:</b>										
Specific Service Charges	\$268,031									
Late Payment Charges	\$37,901									
Other Distribution Revenue	\$105,546									
Other Income and Deductions	\$213,847									
<b>Operating Expenses:</b>										
OM+A Expenses	\$6,850,907				\$	6,850,907			\$6,850,907	
Depreciation/Amortization	\$2,042,875				\$	2,042,875			\$2,042,875	
Property taxes	\$130,000				\$	130,000			\$130,000	
Capital taxes	\$0									
Other expenses										
<b>3 Taxes/PILs</b>										
<b>Taxable Income:</b>										
Adjustments required to arrive at taxable income	\$188,000	(3)								
<b>Utility Income Taxes and Rates:</b>										
Income taxes (not grossed up)	\$497,058	(8)								
Income taxes (grossed up)	\$674,707									
Capital Taxes	\$ -	(6)					(6)			(6)
Federal tax (%)	16.50%									
Provincial tax (%)	9.83%	(9)								
Income Tax Credits	\$ -									
<b>4 Capitalization/Cost of Capital</b>										
<b>Capital Structure:</b>										
Long-term debt Capitalization Ratio (%)	56.0%									
Short-term debt Capitalization Ratio (%)	4.0%	(2)					(2)			(2)
Common Equity Capitalization Ratio (%)	40.0%									
Preferred Shares Capitalization Ratio (%)										
	100.0%									
<b>Cost of Capital</b>										
Long-term debt Cost Rate (%)	5.65%	##								
Short-term debt Cost Rate (%)	2.07%									
Common Equity Cost Rate (%)	9.85%									
Preferred Shares Cost Rate (%)										

### Notes:

(Rate Base through Revenue Requirement), except for Notes that the utility may wish to use to support the data. Notes should be put on the applicable pages to explain numbers shown.

- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) 4.0% unless an Applicant has proposed or been approved for another amount.
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Not applicable as of July 1, 2010
- (7) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (3) Correction: Original input provided was Taxable Income - this replaced with the Net of addbacks and deductions to arrive at taxable income.
- (8) Update: Income taxes (not grossed up) changed to reflect the effect of the corrected OEB PILs model outcome
- (9) Correction: Provincial Tax% corrected to match OEB PILS model sheet "Q.PILs, Tax Provision" Cell G27
- (10) Update: Base Revenue requirement updated to reflect the effect of the corrected OEB PILs model outcome
- (11) Update to account for rounding error: 5.65% replaced with 5.65175567229038% used in calculation in application



## Revenue Requirement Work Form

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

Version: 2.11

Rate Base									
Line No.	Particulars	Initial Application							Per Board Decision
1	Gross Fixed Assets (average) (3)	\$49,850,935		\$ -		\$49,850,935		\$ -	\$49,850,935
2	Accumulated Depreciation (average) (3)	(\$16,983,278)		\$ -		(\$16,983,278)		\$ -	(\$16,983,278)
3	Net Fixed Assets (average) (3)	\$32,867,657		\$ -		\$32,867,657		\$ -	\$32,867,657
4	Allowance for Working Capital (1)	\$10,274,885		\$ -		\$10,274,885		\$ -	\$10,274,885
5	<b>Total Rate Base</b>	<b>\$43,142,542</b>		<b>\$ -</b>		<b>\$43,142,542</b>		<b>\$ -</b>	<b>\$43,142,542</b>
<b>(1) Allowance for Working Capital - Derivation</b>									
6	Controllable Expenses	\$6,980,907		\$ -		\$6,980,907		\$ -	\$6,980,907
7	Cost of Power	\$61,518,323		\$ -		\$61,518,323		\$ -	\$61,518,323
8	Working Capital Base	\$68,499,230		\$ -		\$68,499,230		\$ -	\$68,499,230
9	Working Capital Rate % (2)	15.00%		0.00%		15.00%		0.00%	15.00%
10	Working Capital Allowance	\$10,274,885		\$ -		\$10,274,885		\$ -	\$10,274,885

### Notes

- (2) Generally 15%. Some distributors may have a unique rate due as a result of a lead-lag study.  
(3) Average of opening and closing balances for the year.



## Revenue Requirement Work Form

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

Version: 2.11

Utility income									
Line No.	Particulars	Initial Application							Per Board Decision
<b>Operating Revenues:</b>									
1	Distribution Revenue (at Proposed Rates)	\$12,174,156		(\$12,174,156)		\$ -		\$ -	\$ -
2	Other Revenue (1)	\$625,325		(\$625,325)		\$ -		\$ -	\$ -
3	Total Operating Revenues	\$12,799,481		(\$12,799,481)		\$ -		\$ -	\$ -
<b>Operating Expenses:</b>									
4	OM+A Expenses	\$6,850,907		\$ -		\$6,850,907		\$ -	\$6,850,907
5	Depreciation/Amortization	\$2,042,875		\$ -		\$2,042,875		\$ -	\$2,042,875
6	Property taxes	\$130,000		\$ -		\$130,000		\$ -	\$130,000
7	Capital taxes	\$ -		\$ -		\$ -		\$ -	\$ -
8	Other expense	\$ -		\$ -		\$ -		\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$9,023,782		\$ -		\$9,023,782		\$ -	\$9,023,782
10	Deemed Interest Expense	\$1,401,176		(\$1,401,176)		\$ -		\$ -	\$ -
11	Total Expenses (lines 9 to 10)	\$10,424,958		(\$1,401,176)		\$9,023,782		\$ -	\$9,023,782
12	Utility income before income taxes	\$2,374,523		(\$11,398,305)		(\$9,023,782)		\$ -	(\$9,023,782)
13	Income taxes (grossed-up)	\$674,707		\$ -		\$674,707		\$ -	\$674,707
14	Utility net income	\$1,699,816		(\$11,398,305)		(\$9,698,489)		\$ -	(\$9,698,489)

### Notes

(1)	<b>Other Revenues / Revenue Offsets</b>								
	Specific Service Charges	\$268,031				\$ -			\$ -
	Late Payment Charges	\$37,901				\$ -			\$ -
	Other Distribution Revenue	\$105,546				\$ -			\$ -
	Other Income and Deductions	\$213,847				\$ -			\$ -
	<b>Total Revenue Offsets</b>	<b>\$625,325</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>

Version: 2.11



## Revenue Requirement Work Form

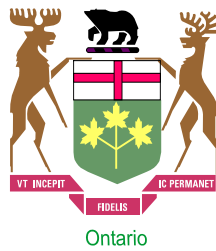
Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

### Taxes/PILs

Line No.	Particulars	Application		Per Board Decision	
<u>Determination of Taxable Income</u>					
1	Utility net income before taxes	\$1,699,816		\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	\$188,000		\$ -	\$188,000
3	Taxable income	\$1,887,816		\$ -	\$188,000
<u>Calculation of Utility income Taxes</u>					
4	Income taxes	\$497,058		\$497,058	\$497,058
5	Capital taxes	\$ - (1)		\$ - (1)	\$ - (1)
6	Total taxes	\$497,058		\$497,058	\$497,058
7	Gross-up of Income Taxes	\$177,649		\$177,649	\$177,649
8	Grossed-up Income Taxes	\$674,707		\$674,707	\$674,707
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$674,707		\$674,707	\$674,707
10	Other tax Credits	\$ -		\$ -	\$ -
<u>Tax Rates</u>					
11	Federal tax (%)	16.50%		16.50%	16.50%
12	Provincial tax (%)	9.83%		9.83%	9.83%
13	Total tax rate (%)	26.33%		26.33%	26.33%

### Notes

(1) Capital Taxes not applicable after July 1, 2010 (i.e. for 2011 and later test years)



## Revenue Requirement Work Form

Version: 2.11

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

### Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
Initial Application					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$24,159,823	5.65%	\$1,365,454
2	Short-term Debt	4.00%	\$1,725,702	2.07%	\$35,722
3	Total Debt	60.00%	\$25,885,525	5.41%	\$1,401,176
	Equity				
4	Common Equity	40.00%	\$17,257,017	9.85%	\$1,699,816
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$17,257,017	9.85%	\$1,699,816
7	Total	100.00%	\$43,142,542	7.19%	\$3,100,992

		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	0.00%	\$ -	0.00%	\$ -
2	Short-term Debt	0.00%	\$ -	0.00%	\$ -
3	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity				
4	Common Equity	0.00%	\$ -	0.00%	\$ -
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	0.00%	\$ -	0.00%	\$ -
7	Total	0.00%	\$43,142,542	0.00%	\$ -

Per Board Decision					
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	0.00%	\$ -	5.65%	\$ -
9	Short-term Debt	0.00%	\$ -	2.07%	\$ -
10	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity				
11	Common Equity	0.00%	\$ -	9.85%	\$ -
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	0.00%	\$ -	0.00%	\$ -
14	Total	0.00%	\$43,142,542	0.00%	\$ -

#### Notes

(1) 4.0% unless an Applicant has proposed or been approved for another amount.

Version: 2.11



Revenue Requirement Work Form

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

Revenue Sufficiency/Deficiency							
Line No.	Particulars	Initial Application				Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$2,633,502		(\$449,682)		\$9,023,782
2	Distribution Revenue	\$9,540,655	\$9,540,654	\$9,540,655	\$12,623,838	\$ -	(\$9,023,782)
3	Other Operating Revenue Offsets - net	\$625,325	\$625,325	\$ -	\$ -	\$ -	\$ -
4	<b>Total Revenue</b>	\$10,165,980	\$12,799,481	\$9,540,655	\$12,174,156	\$ -	\$ -
5	Operating Expenses	\$9,023,782	\$9,023,782	\$9,023,782	\$9,023,782	\$9,023,782	\$9,023,782
6	Deemed Interest Expense	\$1,401,176	\$1,401,176	\$ -	\$ -	\$ -	\$ -
	<b>Total Cost and Expenses</b>	\$10,424,958	\$10,424,958	\$9,023,782	\$9,023,782	\$9,023,782	\$9,023,782
7	<b>Utility Income Before Income Taxes</b>	(\$258,978)	\$2,374,523	\$516,873	\$3,150,374	(\$9,023,782)	(\$9,023,782)
8	Tax Adjustments to Accounting Income per 2009 PILs	\$188,000	\$188,000	\$188,000	\$188,000	\$ -	\$ -
9	<b>Taxable Income</b>	(\$70,978)	\$2,562,523	\$704,873	\$3,338,374	(\$9,023,782)	(\$9,023,782)
10	Income Tax Rate	26.33%	26.33%	26.33%	26.33%	26.33%	26.33%
11	<b>Income Tax on Taxable Income</b>	(\$18,688)	\$674,707	\$185,592	\$878,987	(\$2,375,944)	(\$2,375,944)
12	<b>Income Tax Credits</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	<b>Utility Net Income</b>	(\$240,290)	\$1,699,816	\$331,281	(\$9,698,489)	(\$6,647,838)	(\$9,698,489)
14	<b>Utility Rate Base</b>	\$43,142,542	\$43,142,542	\$43,142,542	\$43,142,542	\$43,142,542	\$43,142,542
	Deemed Equity Portion of Rate Base	\$17,257,017	\$17,257,017	\$ -	\$ -	\$ -	\$ -
15	Income/Equity Rate Base (%)	-1.39%	9.85%	0.00%	0.00%	0.00%	0.00%
16	Target Return - Equity on Rate Base	9.85%	9.85%	0.00%	0.00%	0.00%	0.00%
17	Sufficiency/Deficiency in Return on Equity	-11.24%	0.00%	0.00%	0.00%	0.00%	0.00%
18	Indicated Rate of Return	2.69%	7.19%	0.77%	0.00%	-15.41%	0.00%
19	Requested Rate of Return on Rate Base	7.19%	7.19%	0.00%	0.00%	0.00%	0.00%
20	Sufficiency/Deficiency in Rate of Return	-4.50%	0.00%	0.77%	0.00%	-15.41%	0.00%
21	Target Return on Equity	\$1,699,816	\$1,699,816	\$ -	\$ -	\$ -	\$ -
22	Revenue Deficiency/(Sufficiency)	\$1,940,106	(\$0)	(\$331,281)	\$ -	\$6,647,838	\$ -
23	<b>Gross Revenue Deficiency/(Sufficiency)</b>	\$2,633,502 (1)		(\$449,682) (1)		\$9,023,782 (1)	

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



## Revenue Requirement Work Form

Version: 2.11

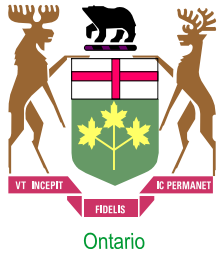
Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

Revenue Requirement									
Line No.	Particulars	Application				Per Board Decision			
1	OM&A Expenses	\$6,850,907			\$6,850,907			\$6,850,907	
2	Amortization/Depreciation	\$2,042,875			\$2,042,875			\$2,042,875	
3	Property Taxes	\$130,000			\$130,000			\$130,000	
4	Capital Taxes	\$ -			\$ -			\$ -	
5	Income Taxes (Grossed up)	\$674,707			\$674,707			\$674,707	
6	Other Expenses	\$ -							
7	Return								
	Deemed Interest Expense	\$1,401,176			\$ -			\$ -	
	Return on Deemed Equity	\$1,699,816			\$ -			\$ -	
8	Distribution Revenue Requirement before Revenues	\$12,799,481			\$9,698,489			\$9,698,489	
9	Distribution revenue	\$12,174,156			\$ -			\$ -	
10	Other revenue	\$625,325			\$ -			\$ -	
11	<b>Total revenue</b>	\$12,799,481			\$ -			\$ -	
12	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>								
		(\$0)	(1)		(\$9,698,489)	(1)		(\$9,698,489)	(1)

### Notes

(1) Line 11 - Line 8





## Revenue Requirement Work Form

Version: 2.11

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

### Residential

Consumption **800** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
1 Monthly Service Charge	monthly	\$ 10.1200	1	\$ 10.12	\$ 13.7800	1	\$ 13.78	\$ 3.66	36.17%
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	\$ 0.0124	800	\$ 9.92	\$ 0.0137	800	\$ 10.96	\$ 1.04	10.48%
6 Low Voltage Rate Adder	per kWh	\$ 0.0002	800	\$ 0.16	\$ 0.0007	800	\$ 0.56	\$ 0.40	250.00%
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		800	\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80	
11 Deferral/Variance Account Disposition Rate Rider	per kWh	-\$ 0.0031	800	-\$ 2.48	-\$ 0.0031	800	-\$ 2.48	\$ -	0.00%
12 Deferral/Variance Acct (2011) Rate	per kWh			\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80	
13 GA Rate Rider (2010) Non-RPP	per kWh	\$ 0.0015		\$ -	\$ 0.0015		\$ -	\$ -	
14 GA Rate Rider (2011) Non-RPP	per kWh			\$ -	\$ 0.0012		\$ -	\$ -	
15				\$ -			\$ -	\$ -	
16 Sub-Total A - Distribution				\$ 18.72			\$ 25.42	\$ 6.70	35.79%
17 RTSR - Network	per kWh	\$ 0.0055	830	\$ 4.57	\$ 0.0057	827.52	\$ 4.72	\$ 0.15	3.33%
18 RTSR - Line and Transformation Connection	per kWh	\$ 0.0046	830	\$ 3.82	\$ 0.0050	827.52	\$ 4.14	\$ 0.32	8.37%
19 Sub-Total B - Delivery (including Sub-Total A)				\$ 27.10			\$ 34.27	\$ 7.17	26.46%
20 Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	830	\$ 4.32	\$ 0.0052	827.52	\$ 4.30	-\$ 0.01	-0.30%
21 Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	830	\$ 1.08	\$ 0.0013	827.52	\$ 1.08	-\$ 0.00	-0.30%
22 Special Purpose Charge	per kWh	\$ 0.0003725	830	\$ 0.31		827.52	\$ -	-\$ 0.31	-100.00%
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	830	\$ 5.81	\$ 0.0070	827.52	\$ 5.79	-\$ 0.02	-0.30%
25 Energy	per kWh	\$ 0.0650	830	\$ 53.95	\$ 0.0650	827.52	\$ 53.79	-\$ 0.16	-0.30%
26				\$ -			\$ -	\$ -	
27				\$ -			\$ -	\$ -	
28 Total Bill (before Taxes)				\$ 92.82			\$ 99.48	\$ 6.67	7.18%
29 HST		13%		\$ 12.07	13%		\$ 12.93	\$ 0.87	7.18%
30 Total Bill (including Sub-total B)				\$ 104.88			\$ 112.42	\$ 7.54	7.19%
31 Loss Factor (%)	Note 1		3.75%			3.44%			

#### Notes:

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

This bill impact includes the Special Purpose Charge and Standard Supply Service Administrative Charge whereas bill impacts provided in the Application Exhibit 8 Tab 4 Schedule 4 Attachment 2 do not include these charges. Furthermore, in this bill impact the loss factor has been applied to the volume used in the calculation for Debt Retirement Charge however the loss factor should not be applicable for this charge.

Existing Total Loss Factor = 1.0375 and Proposed Total Loss Factor = 1.0344

This bill impact is for an RPP customer in Winter.



## Revenue Requirement Work Form

Version: 2.11

Name of LDC: Kingston Hydro Corporation  
File Number: EB-2010-0136  
Rate Year: 2011

### General Service < 50 kW

Consumption **2000** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
1	Monthly Service Charge	\$ 23.3900	1	\$ 23.39	\$ 23.3900	1	\$ 23.39	\$ -	0.00%
2	Smart Meter Rate Adder	\$ 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	\$ 0.0097	2000	\$ 19.40	\$ 0.0129	2000	\$ 25.80	\$ 6.40	32.99%
6	Low Voltage Rate Adder	\$ 0.0002	2000	\$ 0.40	\$ 0.0006	2000	\$ 1.20	\$ 0.80	200.00%
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		2000	\$ -	\$ 0.0004	2000	\$ 0.80	\$ 0.80	
11	Deferral/Variance Account Disposition Rate Rider	-\$ 0.0020	2000	-\$ 4.00	-\$ 0.0020	2000	-\$ 4.00	\$ -	0.00%
12	Deferral/Variance Acct (2011) Rate			\$ -	\$ 0.0003	2000	\$ 0.60	\$ 0.60	
13	GA Rate Rider (2010) Non-RPP	\$ 0.0015		\$ -	\$ 0.0015		\$ -	\$ -	
14	GA Rate Rider (2011) Non-RPP			\$ -	\$ 0.0012		\$ -	\$ -	
15				\$ -			\$ -	\$ -	
16	<b>Sub-Total A - Distribution</b>			<b>\$ 40.19</b>			<b>\$ 48.79</b>	<b>\$ 8.60</b>	<b>21.40%</b>
17	RTSR - Network	\$ 0.0050	2075	\$ 10.38	\$ 0.0052	2068.8	\$ 10.76	\$ 0.38	3.69%
18	RTSR - Line and Transformation Connection	\$ 0.0042	2075	\$ 8.72	\$ 0.0046	2068.8	\$ 9.52	\$ 0.80	9.20%
19	<b>Sub-Total B - Delivery (including Sub-Total A)</b>			<b>\$ 59.28</b>			<b>\$ 69.06</b>	<b>\$ 9.78</b>	<b>16.51%</b>
20	Wholesale Market Service Charge (WMSC)	\$ 0.0052	2075	\$ 10.79	\$ 0.0052	2068.8	\$ 10.76	-\$ 0.03	-0.30%
21	Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2075	\$ 2.70	\$ 0.0013	2068.8	\$ 2.69	-\$ 0.01	-0.30%
22	Special Purpose Charge	\$ 0.0003725	2075	\$ 0.77		2068.8	\$ -	-\$ 0.77	-100.00%
23	Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
24	Debt Retirement Charge (DRC)	\$ 0.0070	2075	\$ 14.53	\$ 0.0070	2068.8	\$ 14.48	-\$ 0.04	-0.30%
25	Energy	\$ 0.0714	2075	\$ 148.13	\$ 0.0714	2068.8	\$ 147.66	-\$ 0.46	-0.31%
26				\$ -			\$ -	\$ -	
27				\$ -			\$ -	\$ -	
28	<b>Total Bill (before Taxes)</b>			<b>\$ 236.44</b>			<b>\$ 244.90</b>	<b>\$ 8.46</b>	<b>3.58%</b>
29	HST	13%		\$ 30.74	13%		\$ 31.84	\$ 1.10	3.58%
30	<b>Total Bill (including Sub-total B)</b>			<b>\$ 267.18</b>			<b>\$ 276.74</b>	<b>\$ 9.56</b>	<b>3.58%</b>
31	<b>Loss Factor</b>	<b>Note 1</b>	<b>3.75%</b>		<b>3.44%</b>				

#### Notes:

**Note 1:** See Note 1 from Sheet 1A. Bill Impacts - Residential

This bill impact includes the Special Purpose Charge and Standard Supply Service Administrative Charge whereas bill impacts provided in the Application Exhibit 8 Tab 4 Schedule 4 Attachment 2 do not include these charges. Furthermore, in this bill impact the loss factor has been applied to the volume used in the calculation for Debt Retirement Charge however the loss factor should not be applicable for this charge.  
Existing Total Loss Factor = 1.0375 and Proposed Total Loss Factor = 1.0344  
This bill impact is for an RPP customer.

**Kingston Hydro Corporation**  
**EB-2010-0136**  
**Exhibit: 1**  
**Tab: 4**  
**Schedule: 10**  
**Attachment: 1**

MODIFIED: Loss Factor not applied to volume used to calculate Debt Retirement Charge

Customer Class:		Residential (RPP customer Winter)							
Consumption		800 kWh							
	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	monthly	\$ 10.1200	1	\$ 10.12	\$ 13.7800	1	\$ 13.78	\$ 3.66	36.17%
Smart Meter Rate Adder	monthly	\$ 1.0000	1	\$ 1.00	\$ 1.0000	1	\$ 1.00	\$ -	0.00%
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0124	800	\$ 9.92	\$ 0.0137	800	\$ 10.96	\$ 1.04	10.48%
Low Voltage Service Rate	per kWh	\$ 0.0002	800	\$ 0.16	\$ 0.0007	800	\$ 0.56	\$ 0.40	250.00%
Volumetric Rate Adder(s)			800	\$ -		800	\$ -	\$ -	
Volumetric Rate Rider(s)			800	\$ -		800	\$ -	\$ -	
Smart Meter Disposition Rider			800	\$ -		800	\$ -	\$ -	
LRAM Rate Rider (2011)			800	\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80	
Deferral/Variance Account	per kWh	-\$ 0.0031	800	-\$ 2.48	-\$ 0.0031	800	-\$ 2.48	\$ -	0.00%
Disposition Rate Rider (2010)									
Deferral/Variance Account	per kWh			\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80	
Disposition Rate Rider (2011)									
Rate Rider Global Adjustment	per kWh	\$ 0.0015	0	\$ -	\$ 0.0015	0	\$ -	\$ -	
Sub-Acct Disposition (2010)									
Non-RPP customers only									
Rate Rider Global Adjustment	per kWh	\$ -	0	\$ -	\$ 0.0012	0	\$ -	\$ -	
Sub-Acct Disposition (2011)									
Non-RPP customers only				\$ -			\$ -	\$ -	
<b>Sub-Total A - Distribution</b>				<b>\$ 18.72</b>			<b>\$ 25.42</b>	<b>\$ 6.70</b>	<b>35.79%</b>
RTSR - Network	per kWh	\$ 0.0055	830	\$ 4.57	\$ 0.0057	827.52	\$ 4.72	\$ 0.15	3.33%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0046	830	\$ 3.82	\$ 0.0050	827.52	\$ 4.14	\$ 0.32	8.37%
<b>Sub-Total B - Delivery (including Sub-Total A)</b>				<b>\$ 27.10</b>			<b>\$ 34.27</b>	<b>\$ 7.17</b>	<b>26.46%</b>
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	830	\$ 4.32	\$ 0.0052	827.52	\$ 4.30	-\$ 0.01	-0.30%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	830	\$ 1.08	\$ 0.0013	827.52	\$ 1.08	-\$ 0.00	-0.30%
Special Purpose Charge	per kWh	\$ 0.0003725	830	\$ 0.31	\$ -	827.52	\$ -	-\$ 0.31	-100.00%
Standard Supply Service Charge	monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
Energy	per kWh	\$ 0.0650	830	\$ 53.95	\$ 0.0650	827.52	\$ 53.79	-\$ 0.16	-0.30%
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
<b>Total Bill (before Taxes)</b>				<b>\$ 92.61</b>			<b>\$ 99.29</b>	<b>\$ 6.68</b>	<b>7.22%</b>
HST		13%		\$ 12.04	13%		\$ 12.91	\$ 0.87	7.22%
<b>Total Bill (including Sub-total B)</b>				<b>\$ 104.65</b>			<b>\$ 112.20</b>	<b>\$ 7.55</b>	<b>7.21%</b>
Loss Factor (%)		3.75%			3.44%				

**Notes:**

**Modified Revenue Requirement Work Form Tab 7A. Bill Impacts - Residential: re: No loss factor applied for Debt Retirement Charge**

This bill impact includes SPC and SSS charges whereas Exhibit 8 Tab 4 Schedule 4 Attachment 2 detailed impact does not includes these charges. Furthermore, this bill impact includes Low Voltage Service Rate in Sub-Total A Distribution whereas Exhibit 8 Tab 4 Schedule 4 Attachment 2 bill impact includes Low Voltage Service Rate in Delivery however not in Distribution.  
Existing Total Loss Factor = 1.0375 and Proposed Total Loss Factor = 1.0344

**Kingston Hydro Corporation**  
**EB-2010-0136**  
**Exhibit: 1**  
**Tab: 4**  
**Schedule: 10**  
**Attachment: 1**

MODIFIED: Loss Factor not applied to volume used to calculate Debt Retirement Charge

**Customer Class:** **GS < 50 kW (RPP customer)**

**Consumption** **2000** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	monthly	\$ 23.3900	1	\$ 23.39	\$ 23.3900	1	\$ 23.39	\$ -	0.00%
Smart Meter Rate Adder	monthly	\$ 1.0000	1	\$ 1.00	\$ 1.0000	1	\$ 1.00	\$ -	0.00%
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0097	2000	\$ 19.40	\$ 0.0129	2000	\$ 25.80	\$ 6.40	32.99%
Low Voltage Service Rate	per kWh	\$ 0.0002	2000	\$ 0.40	\$ 0.0006	2000	\$ 1.20	\$ 0.80	200.00%
Volumetric Rate Adder(s)			2000	\$ -		2000	\$ -	\$ -	
Volumetric Rate Rider(s)			2000	\$ -		2000	\$ -	\$ -	
Smart Meter Disposition Rider			2000	\$ -		2000	\$ -	\$ -	
LRAM Rate Rider (2011)			2000	\$ -	\$ 0.0004	2000	\$ 0.80	\$ 0.80	
Deferral/Variance Account	per kWh	-\$ 0.0020	2000	-\$ 4.00	-\$ 0.0020	2000	-\$ 4.00	\$ -	0.00%
Disposition Rate Rider (2010)									
Deferral/Variance Account	per kWh			\$ -	\$ 0.0003	2000	\$ 0.60	\$ 0.60	
Disposition Rate Rider (2011)									
Rate Rider Global Adjustment	per kWh	\$ 0.0015	0	\$ -	\$ 0.0015	0	\$ -	\$ -	
Sub-Acct Disposition (2010)									
Non-RPP customers only									
Rate Rider Global Adjustment	per kWh	\$ -	0	\$ -	\$ 0.0012	0	\$ -	\$ -	
Sub-Acct Disposition (2011)									
Non-RPP customers only				\$ -			\$ -	\$ -	
<b>Sub-Total A - Distribution</b>				<b>\$ 40.19</b>			<b>\$ 48.79</b>	<b>\$ 8.60</b>	<b>21.40%</b>
RTSR - Network	per kWh	\$ 0.0050	2075	\$ 10.38	\$ 0.0052	2068.8	\$ 10.76	\$ 0.38	3.69%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0042	2075	\$ 8.72	\$ 0.0046	2068.8	\$ 9.52	\$ 0.80	9.20%
<b>Sub-Total B - Delivery (including Sub-Total A)</b>				<b>\$ 59.28</b>			<b>\$ 69.06</b>	<b>\$ 9.78</b>	<b>16.51%</b>
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	2075	\$ 10.79	\$ 0.0052	2068.8	\$ 10.76	-\$ 0.03	-0.30%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	2075	\$ 2.70	\$ 0.0013	2068.8	\$ 2.69	-\$ 0.01	-0.30%
Special Purpose Charge	per kWh	\$ 0.0003725	2075	\$ 0.77	\$ -	2068.8	\$ -	-\$ 0.77	-100.00%
Standard Supply Service Charge	monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
Energy	per kWh	\$ 0.0714	2075	\$ 148.13	\$ 0.0714	2068.8	\$ 147.66	-\$ 0.46	-0.31%
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
<b>Total Bill (before Taxes)</b>				<b>\$ 235.92</b>			<b>\$ 244.42</b>	<b>\$ 8.51</b>	<b>3.61%</b>
HST		13%		\$ 30.67	13%		\$ 31.77	\$ 1.11	3.61%
<b>Total Bill (including Sub-total B)</b>				<b>\$ 266.58</b>			<b>\$ 276.20</b>	<b>\$ 9.62</b>	<b>3.61%</b>

**Loss Factor (%)** **3.75%** **3.44%**

**Notes:**

**Modified Revenue Requirement Work Form Tab 7B. Bill Impacts GS\_LT\_50 re: No loss factor applied to Debt Retirement Charge**

This bill impact includes SPC and SSS charges whereas Exhibit 8 Tab 4 Schedule 4 Attachment 2 detailed bill impact does not include these charges. Furthermore, this bill impact includes Low Voltage Service Rate in Sub-Total A Distribution whereas Exhibit 8 Tab 4 Schedule 4 Attachment 2 bill impact includes Low Voltage Service Rate in Delivery however not in Distribution.  
Existing Total Loss Factor = 1.0375 and Proposed Loss Factor = 1.0344



	28.25%
	71.75%
\$	1,958,794
\$	2,730,026
\$	2,651,557
\$	78,469

## **COST ALLOCATION**

### **Interrogatory #9**

**Reference:** *Exhibit 7/Tab 1/Schedule 1, Attachment 1*

***a) With respect to page 10, please explain the basis for the 516 Streetlight connections used for 2011 (Sheet I6).***

516 connections is based on 5155 lamps and 10 lamps per connection. This is consistent with the 2006 Cost Allocation in which there were 5019 lamps in 2004, and 502 connections.

***b) With respect to page 12 (Table 8), please confirm whether the 100% overall revenue to cost ratio for 2011 was achieved by adjusting:***

- Each classes distribution revenues at current rate (Sheet O1, Row 18) by a uniform percentage, or***
- Each classes total revenues (Sheet O1, Row 20) by a uniform percentage.***

If in fact this question actually refers to Table 7, page 11, then the 100% overall revenue to cost ratio for 2011 was achieved by adjusting each classes total revenues by a uniform percentage, which is the second approach outlined above.

***c) If the adjustment was based on the second approach outlined, please recalculate the 2011 revenue to cost ratios using the first approach outlined in part (b).***

Below please find the recalculated 2011 revenue to cost ratios using the first approach outlined in part (b).

<b>Customer Class</b>	<b>KEDL-2006</b>	<b>KEDL-2006C</b>	<b>KHC-2011 Scaled all class revenue by a uniform percentage</b>	<b>KHC-2011 Scaled only the revenue from rates by a uniform percentage.</b>	<b>Board Target Range</b>
Residential	86.33	87.63	91.48	91.32	85-115
GS < 50 kW	125.52	127.91	130.66	130.83	80-120
GS > 50 kW	118.25	116.05	106.41	106.76	80-180
Large Use > 5MW	147.40	118.10	83.86	84.15	85-115
Street Lighting	117.60	120.89	103.87	104.42	70-120
USL	92.04	92.19	124.81	123.11	80-120
Total	100.00	100.00	100.00	100.00	



**Interrogatory #10**

**Reference:** *Exhibit 7/Tab 1/Schedule 2, Attachment 2  
2011 Cost Allocation Model, Sheets O1 and I9  
Exhibit 7/Tab 2/Schedule 2, Attachment 2, page 1*

***a) Please explain why \$596,128 in Grants and Contributions were directly allocated to the GS>50 class.***

The previously filed 2006 Cost Allocation model had allocated 100% of contributed capital allocated to GS > 50. This allocation maintains consistency.

***b) Why is there no similar allocation to other customer classes?***

There is no similar allocation to other customer classes because there was no similar allocation in 2006.

***c) Please explain why the allocation of Distribution Revenues (totalling \$12,192,213) to customer classes differs as between: i) The Adjusted Distribution Revenue shown in Sheet O2 of the first reference and ii) Column 7C as shown in the table at the bottom of the second reference.***

The 2011 Cost Allocation Model, Sheet O1 made the adjustment by first scaling the total revenue by class by a uniform percentage, and then subtracted off the Miscellaneous expenses as a fixed amount. The residual was then considered to have come from rates. The values in Exhibit 7, Tab 2, Schedule 2, Attachment 2 are based on a uniform scaling factor applied to the revenue from rates only.

## **RATE DESIGN**

### **Interrogatory #11**

**Reference:** *Exhibit 8/Tab 1/Schedule 1, page 1*

***a) Does Kingston currently have Large Use or GS>50 customers contracting for Standby Power. If yes, please indicate the number of customers and kW under contract by class.***

No, Kingston does not currently have Large Use or GS>50 customers contracting for Standby Power. Please refer to Exhibit 3/Tab 1/Schedule 3 pp. 2-3.

***b) Has Kingston received any revenues for Standby Service since 2006? If yes, please indicate the revenues received by year by customer class.***

No, Kingston has not received any revenues for Standby Service since 2006.

***c) If the response to part (b) is yes, where is this revenue reflected in the historical reporting of revenues in Exhibit 3? Also, what is the assumed level of revenues for 2011?***

The response to part (b) is no.

No revenue is assumed for 2011. Please see Exhibit 3/Tab 1/Schedule 3 p.3.

## **Interrogatory #12**

**Reference:** *Exhibit 8/Tab 2/Schedule 1, page 2*  
*Exhibit 8/Tab 4/Schedule 4, Attachment 2*

**a) Given that the change in the Residential fixed/variable split will “more adequately ensure the achievement of the revenue requirement”, please explain why Kingston is not proposing to reduce its requested ROE for 2011 below the maximum allowed under the Board’s guidelines.**

Kingston Hydro relies on the Board's methodology for establishing return on equity. Unless and until that methodology is amended by the Board, Kingston Hydro does not believe that it would be appropriate to depart from the Board's methodology.

**b) Please provide the residential customer bill impact for a customer using 250 kWh per month.**

Below is the residential customer bill impact for a customer using 250 kWh per month.

The bill impact format is consistent with bill impacts provided in Exhibit 8/Tab 4/Schedule 4, Attachment 2. The RPP rate used in the calculation is the RPP rate used in the initial Application.

<b>Residential</b>		<b>RPP: Winter</b>							
<b>250 kWh's</b>		<b>2010 BILL</b>			<b>2011 BILL</b>			<b>CHANGE IMPACT</b>	
	<b>Metric</b>	<b>Volume</b>	<b>Rate</b>	<b>Charge</b>	<b>Volume</b>	<b>Rate</b>	<b>Charge</b>	<b>\$</b>	<b>%</b>
	Monthly Service Charge	1	\$10.12	\$10.12	1	\$13.78	\$13.78	\$3.66	36.2%
	Distribution	250	\$0.0124	\$3.10	250	\$0.0137	\$3.43	\$0.33	10.5%
	Smart Meter Adder	1	\$1.0000	\$1.00	1	\$1.0000	\$1.00		
	GA Rider 2010		\$0.0015			\$0.0015			
	GA Rider 2011					\$0.0012			
	Def/Var Acct Rider 2010	250	(\$0.0031)	(\$0.78)	250	(\$0.0031)	(\$0.78)		
	Def/Var Acct Rider 2011	250			250	\$0.0010	\$0.25	\$0.25	
	LRAM Rider 2011	250			250	\$0.0010	\$0.25	\$0.25	
†	<b>Distribution sub-total</b>			<b>\$13.45</b>			<b>\$17.93</b>	<b>\$4.49</b>	<b>33.4%</b>
†	Electricity (Commodity)	259	RPP	\$16.86	259	RPP	\$16.81	(\$0.05)	(0.3%)
†	Transmission - Network	259	\$0.0055	\$1.43	259	\$0.0057	\$1.47	\$0.04	2.8%
†	Transmission - Connection	259	\$0.0046	\$1.19	259	\$0.0050	\$1.29	\$0.10	8.4%
	Wholesale Market Service	259	\$0.0052	\$1.35	259	\$0.0052	\$1.34	(\$0.01)	(0.7%)
	Rural Rate Protection	259	\$0.0013	\$0.34	259	\$0.0013	\$0.34		
	Debt Retirement Charge	250	\$0.0070	\$1.75	250	\$0.0070	\$1.75		
†	Low Voltage Charges	250	\$0.0002	\$0.05	250	\$0.0007	\$0.18	\$0.13	>100%
	<b>TOTAL BILL</b>			<b>\$36.42</b>			<b>\$41.11</b>	<b>\$4.70</b>	<b>12.9%</b>
†	<i>Delivery Only</i>			\$16.12			\$20.87	\$4.76	29.5%

**c) Based on the most recent 12 months billing data available, how many of Kingston's residential customers use:**

- **250 kWh or less per month**
- **Between 250 and 500 kWh per month**
- **Between 500 and 800 kWh per month**

**Please also indicate the total number of customers over this period.**

Based on the most recent 12 months billing data available, and based on residential customers that have 12 months data available over this period, Kingston Hydro's residential customer use is provided in the table below:

<b>Kingston Hydro's Residential customers use:</b>	<b># Customers</b>
• 250 kWh or less per month	2,220
• Between 250 kWh and 500 kWh per month	4,800
• Between 500 and 800 kWh per month	5,444
<i>Total number of Residential customers that 12 months recent data available:</i>	19,255

**Interrogatory #13**

**Reference:** *Exhibit 8/Tab 2/Schedule 1, page 3*

*Exhibit 3/Tab 2/Schedule 1, Attachment 1, page 2*

***a) Exhibit 8 states that the transformer ownership allowance is meant to recognize those circumstances where the customer provides its own step down transformation from primary to secondary (page 3, lines 14-16). The table in Exhibit 3 indicates that only 37% of the Large Use billing kW's are eligible for the discount. This suggests that a number of these very large customers are served at secondary voltages. Is this the case? Please reconcile.***

Kingston Hydro has three Large Use customers supplied from its 44kV distribution system. One of the Large Use customers is supplied solely from the 44kV (primary) distribution system and receives the transformer ownership allowance credit for having a customer-owned 44kV station. The other two Large Use customers have built customer-owned 44kV stations in recent years to serve additional load but have elected to maintain their existing 5kV (secondary) connections to Kingston Hydro as well. Large Use customers have the following billing choices:

1. Request Kingston Hydro to sum all delivery points using MV-90 and apply one billing account rate structure. This has the advantage of totalizing all 44kV (primary) and 5kV (secondary) delivery points to the customer so the customer achieves Large Use status and attracts only one monthly account charge. Customers with both 44kV and 5kV connections must waive the Transformer Ownership Allowance credit for their customer-owned 44kV (primary) demand since they are not entitled to this credit for their 5kV (secondary) demand.
2. Request Kingston Hydro to set up separate billing account rate structures for 44kV and 5kV connections in order to receive the transformer ownership allowance credit for their 44kV (primary) demand. This arrangement will result in the customer losing their Large Use status and attract two monthly account charges.

In summary, Large Use customers with 44kV (primary) and 5kV (secondary) connections have elected to waive the Transformer Ownership Allowance (Billing Choice 1 above) in order to maintain their Large Use status and obtain the lowest monthly bill amount.

## **Interrogatory #14**

**Reference:** Exhibit 8/Tab 3/Schedule 2

**a) What is the basis for the -1.10% normalization factor that was applied to the actual 2009 ST kW (pages 2-3)?**

The basis for the -1.1% normalization factor applied is that the actual sub-transmission kW is weather sensitive. And as such, Kingston Hydro considered it appropriate to remove abnormal weather effects from the 2009 actual base year being used for forecasting purposes, and appropriate to use Kingston Hydro's load forecast normalization factor as proxy to weather correct the demand.

**b) Please recalculate the LV adder using the 2011 forecast costs of \$423,741.**

### **Low Voltage Charges**

Customer Class Name	2010 Low Voltage Rates	
	Rate	per
Residential	\$0.0002	kWh
General Service Less Than 50 kW	\$0.0002	kWh
General Service 50 to 4,999 kW	\$0.1070	kW
Large Use	\$0.1506	kW
Unmetered Scattered Load	\$0.0002	kWh
Street Lighting	\$0.0645	kW

Customer Class Name	2011 PROJECTED TRANSMISSION-CONNECTION REVENUE				
	Rate	per	Volume <sup>1</sup>	Revenue	%
Residential	\$0.0050	kWh	201,040,239	1,005,201	28.06%
General Service Less Than 50 kW	\$0.0046	kWh	95,947,998	441,361	12.32%
General Service 50 to 4,999 kW	\$1.9813	kW	700,287	1,387,479	38.73%
Large Use	\$2.3874	kW	301,658	720,178	20.10%
Unmetered Scattered Load	\$0.0050	kWh	2,353,301	11,767	0.33%
Street Lighting	\$1.4311	kW	11,336	16,223	0.45%
<b>TOTAL</b>				<b>3,582,208</b>	<b>100.00%</b>

Customer Class Name	2011 PROPOSED LOW VOLTAGE CHARGES & RATES				
	% Allocation	Charges	Volume <sup>2</sup>	Rate	per
Residential	28.06%	118,906	194,354,446	\$0.0006	kWh
General Service Less Than 50 kW	12.32%	52,209	92,757,152	\$0.0006	kWh
General Service 50 to 4,999 kW	38.73%	164,125	700,287	\$0.2344	kW
Large Use	20.10%	85,190	301,658	\$0.2824	kW
Unmetered Scattered Load	0.33%	1,392	2,275,040	\$0.0006	kWh
Street Lighting	0.45%	1,919	11,336	\$0.1693	kW
<b>TOTAL</b>		<b>423,741</b>			

<sup>1</sup> kWh's uplifted for line losses

<sup>2</sup> kWh's not uplifted for line losses

***c) Kingston appears to be assuming that it will not be able to adjust the LV adder during the IRM period. What is the basis for this assumption?***

Section 2.4 Low Voltage Service Charges of Chapter 3 of the Filing Requirements for Transmission and Distribution Applications (filing requirements for incentive regulation mechanisms for annual rate adjustments), issued July 9, 2010, does not indicate that distributors are able to adjust the LV adder during the IRM period.

## **DEFERRAL AND VARIANCE ACCOUNTS**

### **Interrogatory #15**

**Reference:** *Exhibit 9/Tab 1/Schedule 1, page 5*

***a) Has Kingston included any costs for SME charges in its proposed OM&A for 2011? If yes, please indicate the amount, the USOA account and where in the Application this is described?***

Kingston Hydro has not included any costs for SME charges in its proposed OM&A for 2011.

***b) Why shouldn't the impact of implementing the Energy Consumer Protection Act, 2010 be treated as a Z-Factor adjustment under IRM?***

The Applicant is simply seeking a deferral account to record its cost associated with implementing the Energy Consumer Protection Act, 2010. Whether the Board wishes to treat the cost as a Z-factor or differently, it would be prudent to record the costs in a deferral account until the Applicant applies for dispersal of the account in the future.



**Interrogatory #16**

**Reference:** *Exhibit 9/Tab 1/Schedule 2, Attachment 1*

***a) For Accounts #1518 and #1548 please provide a schedule that sets out (separately) the revenues and expenses for each year from 2005 to 2009.***

<b>1518 RCVA</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>
<b>Retail</b>					
Revenue	29,564	29,595	26,078	18,741	18,893
Expense	72,213	49,333	40,066	46,915	44,928
Interest	1,312	3,332	3,621	3,476	1,451
Variance	43,961	23,070	17,609	31,650	27,486
LTD Balance	150,092	106,131	83,061	65,452	33,802
<b>1548 RCVA</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>
<b>STR</b>					
Revenue	1,167	1,994	2,753	1,361	18,441
Expense	46,895	31,863	37,778	46,193	44,928
Interest	1,816	5,243	4,003	4,148	1,421
Variance	47,545	35,112	39,029	48,980	27,908
LTD Balance	207,365	159,820	124,708	85,679	36,699

***b) With respect to Account #1508 (Pension Contributions), please explain the basis for the 2005, 2006 and 2009 additions.***

The Ontario Energy Board established Account 1508 – Other Regulatory Assets, Sub-account Pension Contributions beginning January 1, 2005 for those LDCs who are members of the OMERS pension plan. From August 31, 1998 to December 31, 2002, OMERS provided a cash contribution holiday for its members. Cash contributions made in 2005 and 2006 were material and not recovered through rates and therefore were recorded in deferral account 1508. Per Exhibit 9, Tab 1, Schedule 2, Attachment 1, page 5, there were no additions to the principal amount in account #1508 Other Reg Assets – Pension Contributions in 2009.

***c) With respect to Account #1508 (IFRS Transition), please explain the nature of the costs incurred to date.***

The nature of the IFRS transition costs incurred to date are consultant fees and training costs.

**Interrogatory #17**

**Reference: Exhibit 9/Tab 2/Schedule 2, Attachment 1**

***a) Given that the amount to be recovered in Account #1508 – Incremental Capital is based on a rate adder to HON's ST Rates, why would it not be appropriate to allocate it in the same manner as Account #1550.***

Upon further review, Kingston Hydro believes it would be appropriate to allocate the amount to be recovered in Account #1508 – Incremental Capital, based in the same manner as Account #1550.

## **2008 ANNUAL REPORT**

### **Interrogatory #18**

**Reference:** *Exhibit 1/Tab 2/Schedule 1, Attachment 1, pages 11-12*

***a) Please provide details of the new Economic Evaluation model and Capital Contribution policy instituted in 2008 including the forward looking load forecast and capital plan used to arrive at a pooled marginal cost and NPV per kVA for new and expanded loads.***

Details of Kingston Hydro's Economic Evaluation Model and Capital Contribution Policy are outlined in Appendix B of its Conditions of Service. Previously, upstream capital costs related to an individual application were based on allocations of historical costs, while direct connection costs specific to the customer are based on the connection or expansion design. With several large system expansions taking place, including a new 13.8 kV distribution service being built for a large development which required a capital contribution, it became necessary to consider forward looking upstream marginal costs. Historical 5kV marginal upstream costs do not reflect marginal upstream costs created by new or expanded customers. Placing connections into cost pools based on their specific connection voltage and risk profiles allows for a more accurate allocation of capital costs to be made to new customers.

Since the Kingston Hydro system is largely built-out within its service territory, ensuring appropriate upstream expansion costs related to load growth are allocated to new or expanded customers as part of their economic evaluation protects the existing rate base from having to fund such initiatives for the benefit of new or expanded customers.

The new policy also provides an incentive for new customers to design energy efficient buildings, as the revised model ensures that upstream capital costs specifically related to the new or expanded connection are included in the economic evaluation based on projected kVa loads. This forces all new or expanded customers to project their real connected loads before designing an electricity service. Before the new policy was instituted, many developers gave load forecasts based on the maximum ESA ratings of new or expanded services rather than actual loads. This created more revenue in the NPV model than would ever be realized by Kingston Hydro. With a factor in the economic evaluation model that provides an incentive for energy efficiency, developers take the time to justify their load forecasts, provide more accurate loading projections, and limit the installation of oversized services whose upstream capacity must eventually be paid for by the rate base.

***b) Is the new policy consistent with OEB guidelines and past decisions?***

We have no reason to believe that it is not.

**RATE BASE**

**Interrogatory #19**

**Reference:**     *Exhibit 2/Tab 1/Schedule 2, Attachment 1*

***a) Has a lead-lag study ever been conducted either by or on behalf of Kingston Hydro or its predecessor utility? If so, please provide a copy of the most recent lead-lag study.***

No, a lead-lag study has never been conducted either by or on behalf of Kingston Hydro or its predecessor utility.

**Interrogatory #20**

**Reference:** *Exhibit 2/Tab 3/Schedule 1, Attachment 1*

***a) Please explain what entries such as 0, 1, and -1 refer to in the column "Retirements/Other" on page 2 of this attachment.***

The entries of 0, 1, and -1 in the "Retirements/Other" column are immaterial rounding differences as a result of the formulas set up in the schedule

***b) Please explain why there are no retirements shown for years 2006 through 2011 inclusive, given that Kingston has replaced a significant number of poles during this period and plans to replace its aging infrastructure.***

In accordance with Kingston Hydro's Capitalization Policy, similar assets are grouped by their nature for amortization purposes. The amortization method allocates the combined cost of the assets over their estimated useful life on a rational and systematic basis. Poles are grouped in an asset pool and are not tracked on an individual pole basis. The significant numbers of poles replaced were fully depreciated. As illustrated by the graph on page 3 of Exhibit 2, Tab 4, Schedule 2, the installation date of the majority of Kingston Hydro's distribution poles is more than 25 years ago, therefore they were fully depreciated. There are no retirements recognized, however the fully depreciated poles have no net affect on the financial statements as their net book value is zero. This practice is reviewed annually by Kingston Hydro's external auditors.

***c) If the referenced document is not correct in its entirety, please provide a corrected version.***

The referenced document is correct and in its entirety.

**Interrogatory #21**

**Reference: Exhibit 2/Tab 3/Schedule 1, Attachment 2**

***a) Please explain why there are no retirements shown on this attachment for the years 2006-2011 inclusive.***

As outlined in the Rate Base History in Exhibit 2, Tab 1, Schedule 1, there has been an ongoing underinvestment in the assets of the electric utility and this has resulted in an aging infrastructure. When assets were replaced in 2006 - 2011, they were fully depreciated and their net book value was zero. The asset retirements are not shown on the attachment and there was no net affect on the financial statements or on the rate base. This practice is reviewed annually by Kingston Hydro's external auditors.

***b) If the referenced document is not correct in its entirety, please provide a corrected version.***

The referenced document is correct and in its entirety.



**Interrogatory #22**

**Reference: Exhibit 2/Tab 4/Schedule 1, Attachment 1**

***a) The “Historical and Forecast Capital Project Tables” appear to have been omitted from the application since the following schedules show amounts by account. Please provide a copy of the historical capital project tables if they are different than what was filed.***

Prior to 2010, Kingston Hydro did not record project costs by account. As such, Kingston Hydro does not have this information for 2005-2009. The Applicant has provided the total capital expenditures by account for each of the years 2005 through to 2009 (page 2 of each of Exhibit 2 Tab 4 Schedules 2-6), and for each of the years provided the expenditure for the major projects (Exhibit 2 Tab 4 Schedules 2-6). For 2010 and 2011 project costs by account, please refer to Kingston Hydro’s response to Question #24b.

**Interrogatory #23**

**Reference: Exhibit 2/Tab 4/Schedules 2-6 inclusive**

***a) For each year 2005-2009 inclusive, please provide the capital budget broken down by project and as approved by the Board of Directors. Please also indicate the amount included for contingency by project.***

Please see attached file detailing 2005-2009 capital projects as approved by the Kingston Hydro Board of Directors.

**UTILITES KINGSTON  
TOTAL 2005 CAPITAL BUDGET REQUESTS**

Kingston Hydro Corporation  
EB-2010-0136  
Responses to VECC Interrogatories  
Filed: 15 November, 2010

Appendix B

A	B	C	D	E	F	G	H	I	J	K	L
1					<b>SOURCES OF FUNDING</b>						
2	<b>Description</b>	<b>BUDGET</b>		<b>Reserve and Reserve Fund Contribution</b>	<b>Description (Customer Contribution)</b>	<b>Grants</b>	<b>Debtenture</b>	<b>User Fees</b>	<b>Local Improvements</b>	<b>Utility Rates</b>	
3											
4											
5	2005 Electric Capital Budget										
6											
7											
8	44KV Distribution										
9	Planning & Design	0									0
10	Civil - Construction	0					0				0
11	Electrical - Construction	50,000									50,000
12	Equipment Upgrades	0									0
13	44KV services	0			0				0		0
14	Wholesale Meter Points	0									0
15	Sub Total	50,000		0	0	0	0	0	0		50,000
16											
17	Substations										
18	Planning & Design	15,000									15,000
19	Civil - Construction	0									0
20	Electrical - Construction	0									0
21	Equipment Upgrades	215,000									215,000
22	Sub Total	230,000		0	0	0	0	0	0		230,000
23											
24	4160 Overhead Distribution										
25	Planning & Design	0									0
26	Construction	350,000									350,000
27	Equipment Upgrades	50,000									50,000
28	Overhead Services	50,000									50,000
29	Sub Total	450,000		0	0	0	0	0	0		450,000
30											
31	4160 Underground Distribution										
32	Planning & Design	0									0
33	Civil - Construction	395,000									395,000
34	Electrical - Construction	150,000									150,000
35	Equipment Upgrades	300,550									300,550
36	Services	10,000									10,000
37	Sub Total	855,550		0	0	0	0	0	0		855,550
38											
39	Construction and Office Equipment										
40	Capital tools and equipment	56,700									56,700
41	Office equipment	10,100									10,100
42	Property Improvements	0									0
43	Office Renovations	61,650									61,650
44	Sub Total	128,450		0	0	0	0	0	0		128,450
45											
46	Utilities Business Systems										
47	Business Systems	43,750									43,750
48	SCADA	40,000									40,000
49	Records Management	18,750									18,750
50	Systems Hardware	12,500									12,500
51	Sub Total	115,000		0	0	0	0	0	0		115,000
52											
53	Meters										
54	Electric Meters and Accessories	230,000			110,000						120,000
55	Interval Meters	20,000			15,000						5,000
56	Test Bench	0									0
57	Sub Total	250,000		0	125,000	0	0	0	0		125,000
58											
59	Billing										
60	Billing System Upgrade for Deregulation	0									0
61	Bill production equipment	0									0
62	EBT Communications	0									0
63	Sub Total	0		0	0	0	0	0	0		0
64											
65	Vehicles										
66	Vehicles	1,000									1,000
67	Sub Total	1,000		0	0	0	0	0	0		1,000
68											
69	Infrastructure Planning										
70	System Analysis	35,000									35,000
71	System Modelling	10,000									10,000
72	Sub Total	45,000		0	0	0	0	0	0		45,000
73											
74	Contingency Projects										
75	Projects	0									0
76	Sub Total	0		0	0	0	0	0	0		0
77											
78	Recoverable Projects with Joint Funding (KEDL & Customer)										
79	Projects	0			0						0
80	Sub Total	0		0	0	0	0	0	0		0
81											
82	Recoverable Projects - Customer Funded										
83	Projects	1,500,000			1,400,000						100,000
84	Sub Total	1,500,000		0	1,400,000	0	0	0	0		100,000
85											
86	Total	3,625,000		0	1,525,000	0	0	0	0		2,100,000
87											
88											
89											

**UTILITES KINGSTON**  
**TOTAL 2006 ELECTRIC CAPITAL BUDGET REQUESTS**

Kingston Hydro Corporation  
 EB-2010-0136  
 Responses to VECC Interrogatories  
 Filed: 15 November, 2010

000019

1	A	B	C	D	E	SOURCES OF FUNDING				I	J	K	L
						Reserve and Reserve Fund Contribution	Description (Customer Contribution)	Grants	Debtenture			Local Improvement s	
2		Description		BUDGET									Utility Rates
3													
4													
5		2006 Electric Capital Budget											
6													
7													
8		44KV Distribution											
9		Planning & Design		0									0
10		Civil - Construction		0					0				0
11		Electrical - Construction		50,000									50,000
12		Equipment Upgrades		0									0
13		44KV services		0			0					0	0
14		Wholesale Meter Points		0									0
15		Sub Total		50,000		0	0	0	0	0	0	0	50,000
16													
17		Substations											
18		Planning & Design		20,000									20,000
19		Civil - Construction		0									0
20		Electrical - Construction		0									0
21		Equipment Upgrades		25,000									25,000
22		Sub Total		45,000		0	0	0	0	0	0	0	45,000
23													
24		4160 Overhead Distribution											
25		Planning & Design		0									0
26		Construction		80,000									80,000
27		Equipment Upgrades		194,740									194,740
28		Overhead Services		60,000									60,000
29		Sub Total		334,740		0	0	0	0	0	0	0	334,740
30													
31		4160 Underground Distribution											
32		Planning & Design		0									0
33		Civil - Construction		264,000									264,000
34		Electrical - Construction		305,000									305,000
35		Equipment Upgrades		100,000									100,000
36		Services		20,000									20,000
37		Sub Total		689,000		0	0	0	0	0	0	0	689,000
38													
39		Construction and Office Equipment											
40		Capital tools and equipment		70,000									70,000
41		Office equipment		27,000									27,000
42		Property Improvements		9,000									9,000
43		Office Renovations		19,000									19,000
44		Sub Total		125,000		0	0	0	0	0	0	0	125,000
45													
46		Utilities Business Systems											
47		Business Systems		282,000									282,000
48		SCADA		25,000									25,000
49		Records Management		57,500									57,500
50		Systems Hardware		0									0
51		Sub Total		364,500		0	0	0	0	0	0	0	364,500
52													
53		Meters											
54		Electric Meters and Accessories		405,000									405,000
55		Interval Meters		50,000									50,000
56		Test Bench		0									0
57		Sub Total		455,000		0	0	0	0	0	0	0	455,000
58													
59		Billing											
60		Billing System Upgrade for Deregulation		0									0
61		Bill production equipment		0									0
62		EBT Communications		0									0
63		Sub Total		0		0	0	0	0	0	0	0	0
64													
65		Vehicles											
66		Vehicles		6,760									6,760
67		Sub Total		6,760		0	0	0	0	0	0	0	6,760
68													
69		Infrastructure Planning											
70		System Analysis		15,000									15,000
71		System Modeling		15,000									15,000
72		Sub Total		30,000		0	0	0	0	0	0	0	30,000
73													
74		Contingency Projects											
75		Projects		0									0
76		Sub Total		0		0	0	0	0	0	0	0	0
77													
78		Recoverable Projects with Joint Funding (KEDL & Customer)											
79		Projects		0									0
80		Sub Total		0		0	0	0	0	0	0	0	0
81													
82		Recoverable Projects - Customer Funded											
83		Projects		1,000,000			1,000,000						0
84		Sub Total		1,000,000		0	1,000,000	0	0	0	0	0	0
85													
86		Total		3,100,000		0	1,000,000	0	0	0	0	0	2,100,000
87													
88													
89													
90													



**2007 ELECTRIC CAPITAL BUDGET**

**KINGSTON ELECTRICITY DISTRIBUTION LIMITED**

Kingston Hydro Corporation  
EB-2010-0136  
Responses to VECC Interrogatories  
Filed: 15 November, 2010

1

<b>Electric</b>		<b>Customer Funded</b>	<b>Rates</b>
<b>44KV Distribution</b>		<b>0</b>	<b>0</b>
	Planning & Design		
	Civil - Construction		
	Electrical - Construction		0
	Equipment Upgrades		0
	44KV services		
	Wholesale Meter Points		
<b>Substations</b>		<b>0</b>	<b>80,000</b>
	Planning & Design		0
	Civil - Construction		0
	Electrical - Construction		0
	Equipment Upgrades		80,000
<b>4160 Overhead Distribution</b>		<b>0</b>	<b>265,000</b>
	Planning & Design		15,000
	Construction		0
	Equipment Upgrades		200,000
	Overhead Services		50,000
<b>4160 Underground Distribution</b>		<b>0</b>	<b>1,459,200</b>
	Planning & Design		15,000
	Civil - Construction		935,000
	Electrical - Construction		22,000
	Equipment Upgrades		452,200
	Services		35,000
<b>Construction &amp; Office Equipment</b>		<b>0</b>	<b>55,800</b>
	Capital tools and equipment		25,000
	Office equipment		13,800
	Property Improvements		17,000
	Office Renovations		0
<b>Utilities Business Systems</b>		<b>0</b>	<b>165,000</b>
	Business Systems		50,000
	SCADA		75,000
	Records Management		20,000
	Systems Hardware		20,000
<b>Meters</b>		<b>0</b>	<b>270,000</b>
	Electric Meters and Accessories		250,000
	Interval Meters		20,000
	Test Bench		
<b>Billing</b>		<b>0</b>	<b>0</b>
	Billing System Upgrade for Deregulation		
	Bill production equipment		
	EBT Communications		
<b>Vehicles</b>		<b>0</b>	<b>0</b>
	Vehicles		0
<b>Infrastructure Planning</b>		<b>0</b>	<b>5,000</b>
	System Analysis		0
	System Modeling		5,000
<b>Contingency Projects</b>		<b>0</b>	<b>0</b>
	Projects		
<b>Recoverable Projects with Joint Funding</b>		<b>0</b>	<b>0</b>
	Projects		0
<b>Recoverable Projects - Customer Funded</b>		<b>0</b>	<b>800,000</b>
	Projects		800,000
<b>Total</b>		<b>0</b>	<b>3,100,000</b>
<b>Less recoverables, contributions</b>		<b>0</b>	<b>800,000</b>
<b>Balance</b>		<b>0</b>	<b>2,300,000</b>

## ELECTRICAL CAPITAL BUDGET - 2008

<b>Electric</b>		<b>2008</b>
<b>44KV Distribution</b>		<b>361,100</b>
Planning & Design		10,000
Civil - Construction		
Electrical - Construction		0
Equipment Upgrades		0
44KV services		351,100
Wholesale Meter Points		
<b>Substations</b>		<b>1,405,000</b>
Planning & Design		
Civil - Construction		0
Electrical - Construction		1,375,000
Equipment Upgrades		30,000
<b>Vaults</b>		<b>506,000</b>
Planning & Design		
Civil - Construction		357,000
Electrical - Construction		
Equipment Upgrades		149,000
<b>4160 Overhead Distribution</b>		<b>560,000</b>
Planning & Design		10,000
Construction		200,000
Equipment Upgrades		300,000
Overhead Services		50,000
<b>4160 Underground Distribution</b>		<b>530,000</b>
Planning & Design		150,000
Civil - Construction		
Electrical - Construction		0
Equipment Upgrades		345,000
Services		35,000
<b>Construction &amp; Office Equipment</b>		<b>84,300</b>
Capital tools and equipment		3,800
Office equipment		23,000
Property Improvements		57,500
<b>Utilities Business Systems</b>		<b>231,250</b>
Business Systems		206,250
SCADA		15,000
Records Management		
Systems Hardware		10,000
<b>Meters</b>		<b>475,000</b>
Electric Meters and Accessories		400,000
Interval Meters		75,000
Test Bench		
<b>Vehicles</b>		<b>7,700</b>
Vehicles		7,700
<b>Infrastructure Planning</b>		<b>64,650</b>
System Analysis		4,650
System Modelling		60,000
<b>Contingency Projects</b>		<b>100,000</b>
Projects		100,000
<b>Recoverable Projects with Joint Funding</b>		<b>0</b>
Projects		0
<b>Recoverable Projects - Customer Funded</b>		<b>425,000</b>
Projects		425,000
<b>Total</b>		<b>4,325,000</b>
<b>Less recoverables, contributions</b>		<b>425,000</b>
<b>Balance</b>		<b>3,900,000</b>

<b>Electric</b>		<b>2009</b>
<b>44KV Distribution</b>		<b>632,000</b>
Planning & Design		0
Civil - Construction		0
Electrical - Construction		0
Equipment Upgrades		200,000
44KV services		432,000
Wholesale Meter Points		0
		0
<b>Substations</b>		<b>54,000</b>
Planning & Design		0
Civil - Construction		0
Electrical - Construction		0
Equipment Upgrades		54,000
		0
<b>Vaults</b>		<b>940,000</b>
Planning & Design		0
Civil - Construction		166,000
Electrical - Construction		0
Equipment Upgrades		774,000
		0
<b>4160 Overhead Distribution</b>		<b>670,000</b>
Planning & Design		0
Construction		0
Equipment Upgrades		620,000
Overhead Services		50,000
		0
<b>4160 Underground Distribution</b>		<b>410,000</b>
Planning & Design		0
Civil - Construction		100,000
Electrical - Construction		0
Equipment Upgrades		275,000
Services		35,000
		0
<b>Construction &amp; Office Equipment</b>		<b>132,000</b>
Capital tools and equipment		18,000
Office equipment		0
Building/Property Changes Improvements		114,000
		0
		0
<b>Utilities Business Systems</b>		<b>61,000</b>
Business Systems		6,000
SCADA		40,000
Systems Hardware		15,000
		0
<b>Meters</b>		<b>365,000</b>
Electric Meters and Accessories		290,000
Interval Meters		75,000
Test Bench		0
		0
<b>Vehicles</b>		<b>30,000</b>
Vehicles		30,000
		0
<b>Infrastructure Planning</b>		<b>60,000</b>
System Analysis		0
System Modelling		60,000
		0
<b>Contingency Projects</b>		<b>300,000</b>
Projects		300,000
		0
<b>Recoverable Projects with Joint Funding (UK Portion)</b>		<b>375,000</b>
Projects		375,000
		0
		0
<b>Capital Expenditures funded from 2009 Rates</b>		<b>4,029,000</b>
<b>Plus Recoverable Projects</b>		<b>805,000</b>
<b>Total Capital Request for 2009</b>		<b>4,834,000</b>

**Interrogatory #24**

**Reference:** *Exhibit 2/Tab 4/Schedule 7*

***a) For 2010 and 2011, please provide the capital budgets as approved by the Board of Directors broken down by project. Please also indicate the amount included for contingency by project.***

The Board of Directors approved a \$4.5 million capital budget for both 2010 and 2011, and the President & CEO provided a verbal overview of that planned spending, of which the Applicant has supplied capital project details at Exhibit 2 Tab 4 Schedule 7.

The following tables provide the amount of contingency built into the 2010 and 2011 project expenditures:

**2011 Forecast Capital Project Expenditures**

<b>Project</b>	<b>Total Value</b>	<b>Contingency</b>
Substation No.11 Circuit Breakers	\$584,000	\$0
Substation No.12 Relays	\$100,000	\$0
Substation No.8 Transformer	\$453,000	\$15,000 <sup>1</sup>
Substation No.9 Protection Upgrades	\$40,000	\$0
Substation No.5 Relays	\$39,000	\$0
Transformer Vault 7 (TV7)	\$112,000	\$0
Transformer Vault 41 (TV41)	\$230,000	\$0
Transformer Vault 18 (TV18)	\$50,000	\$0
Westdale	\$171,000	\$0
Motorized 44kV Disconnect	\$55,000	\$0
Alfred Street	\$549,000	\$15,000 <sup>1</sup>
Fairway Hills - Poletrans Replacement	\$110,000	\$0
Annual Substation Battery Replacement	\$60,000	\$0
Annual Overhead & Underground Services	\$60,000	\$0
Annual Underground Cable Rebuilds	\$200,000	\$200,000 <sup>2</sup>
Annual Overhead Line Rebuilds	\$1,300,000	\$0
Annual RFP for Structural Engineering Services	\$20,000	\$0
SCADA	\$127,000	\$0
Meters	\$100,000	\$0
Tools & Equipment	\$153,000	\$0
<b>Total</b>	<b>\$4,513,000</b>	

<sup>1</sup> For civil related external contractor change orders.

<sup>2</sup> Primarily for dealing with emergencies in underground plant (e.g. cable faults).



**Table 2: 2010 Forecast Capital Project Expenditures**

<b>Project</b>	<b>Total Value</b>	<b>Contingency</b>
Princess St. Reconstruction	\$1,155,000	\$50,000 <sup>1</sup>
Princess St. Condition Assessment	\$25,000	\$0
Hydro One Incremental Cost for Gardiner TS Expansion	\$609,000	\$0
Barrie St. Reconstruction	\$176,000	\$0
Transformer Vault 12 (TV12) & Circuit 103	\$430,000	\$0
Transformer Vault 10 (TV10)	\$63,000	\$0
Transformer Vault 13 (TV13)	\$30,000	\$0
Transformer Vault 5 (TV5)	\$22,000	\$0
Annual Substation Battery Replacement	\$60,000	\$0
Annual Overhead & Underground Services	\$60,000	\$0
Annual Underground Cable Rebuilds	\$100,000	\$100,000 <sup>2</sup>
Annual Overhead Line Rebuilds	\$1,015,000	\$0
Distribution System Modeling	\$80,000	\$0
Annual RFP for Structural Engineering Services	\$20,000	\$0
Enterprise Asset Management System Implementation	\$125,000	\$0
SCADA	\$98,000	\$0
Meters	\$263,000	\$0
Tools & Equipment	\$115,000	\$0
<b>Total</b>	<b>\$ 4,446,000</b>	

<sup>1</sup> For civil related external contractor change orders.

<sup>2</sup> Primarily for dealing with emergencies in underground plant (e.g. cable faults).

***b) Please provide the 2010 year-to-date capital spending by Kingston.***

<b>Project</b>	<b>Budget</b>	<b>Actuals As of Sep 30</b>
Princess St. Reconstruction	\$1,155,000	\$752,330
Princess St. Condition Assessment	\$25,000	\$0
Hydro One Incremental Cost for Gardiner TS Expansion	\$609,000	\$0
Barrie St. Reconstruction	\$176,000	\$169,075
Transformer Vault 12 (TV12) & Circuit 103	\$430,000	\$36,996
Transformer Vault 10 (TV10)	\$63,000	\$7,164
Transformer Vault 13 (TV13)	\$30,000	\$0
Transformer Vault 5 (TV5)	\$22,000	\$0
Annual Substation Battery Replacement	\$60,000	\$0
Annual Overhead & Underground Services	\$60,000	\$49,798
Annual Underground Cable Rebuilds	\$100,000	\$0
Annual Overhead Line Rebuilds	\$1,015,000	\$933,937
Distribution System Modeling	\$80,000	\$0
Annual RFP for Structural Engineering Services	\$20,000	\$0
Enterprise Asset Management System Implementation	\$125,000	\$62,516
SCADA	\$98,000	\$12,027
Meters	\$263,000	\$217,302
Tools & Equipment	\$115,000	\$41,142
Other	\$0	\$18,112
<b>Total</b>	<b>\$4,446,000</b>	<b>\$2,300,399</b>

***c) Does Kingston prepare multi-year (e.g., 3-5 years) capital spending plans? If so, please provide a copy of the most recent plan. If not, please explain why not.***

Kingston Hydro as noted in Exhibit 2, Tab 4, Schedule 8, page 1 has historically had its capital spending program driven by a determination of the total monies available for capital expenditures in a given year. This approach has created limitations in developing long-term capital plans as the available revenue in any given year has fluctuated. This shortcoming is noted in Exhibit 2, Tab 4, Schedule 8, and the Applicant has identified in Exhibit 2, Tab 4, Schedule 8, its efforts in asset management that will lead towards improved decision making and longer term capital planning.

Currently the Applicant does not have multi-year capital spending plans but has submitted as part of this application capital spending information for 2010 and 2011 and has submitted capital spending information regarding 2012 and 2013 under Exhibit 2, Tab 4, Schedule 8, Attachment 1.

## **SERVICE QUALITY AND RELIABILITY**

### **Interrogatory #25**

**Reference:** *Exhibit 2/Tab 6/Schedule 1, pages 2-4*

***a) Given that in 2008 and 2009, Kingston barely met the OEB's Telephone Accessibility SQL, please explain why Kingston is not being more proactive in improving its performance in this regard especially since Kingston proposes a major increase in its FTEs.***

<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
80%	69%	72%	83%	79%	75%	77%	67%	67%

There have been no occasions since 2001 where the performance with respect to Telephone accessibility has dropped below the 65% as established by the Board. Performance has ranged from 67% to 83% with an average over the timeframe of 74%. Telephone call volumes will vary depending on specific issues triggering customer concerns. For example in 2010, the smart meter deployment and in 2011 the introduction of time of use rates.

Given that the performance has always exceeded target it is believed that staff additions would have a greater beneficial impact in other areas.

**Interrogatory #26**

**Reference:** *Exhibit 2/Tab 6/Schedule 2, pages 3 and 4*

**a) Please comment on the fact that the CAIDI indices for 2007 and 2009 are higher when loss of supply is excluded.**

Please refer to Figures 1 and 2 showing the reliability indices reported from 2006 to 2009 inclusive as well as Table 1 which defines each reliability index. Note, no loss-of-supply outages occurred in 2006 and 2008.

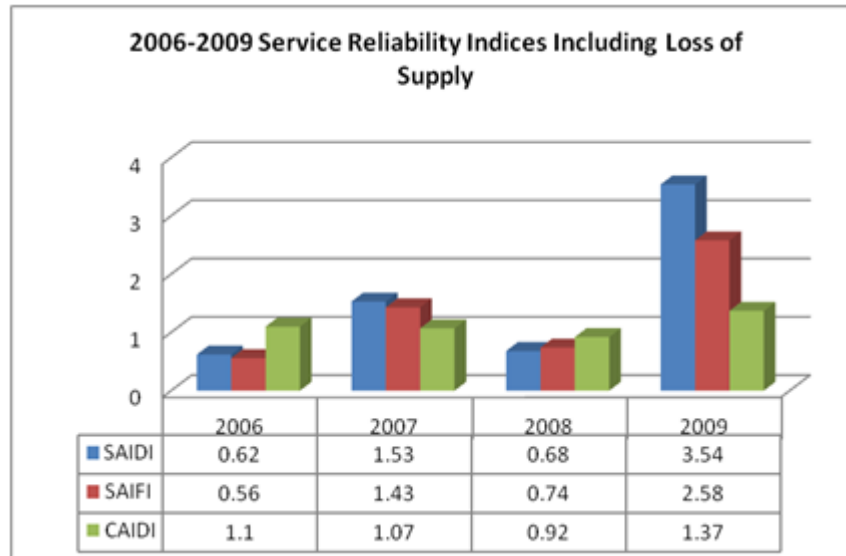
Index	Formula	Unit	Interpretation
SAIDI - System Average Interruption Duration Index	$\frac{\sum(\text{Number of Customers} * \text{Outage Duration})}{\text{Total Number of Customers Served}}$	Hours	SAIDI is the average outage duration for each customer served. SAIDI can be thought of the “effect” of the outage, due to the time duration. That is, SAIDI measures the impact of how long an outage event lasts. Thus, SAIDI can also be considered a dependent variable.
SAIFI - System Average Interruption Frequency Index	$\frac{\text{Total Number of Customer Interruptions}}{\text{Total Number of Customers Served}}$	None	SAIFI is the average number of interruptions that a customer would experience. SAIFI can be thought of as the “cause” of an outage, tracking the fact that an outage event occurred. Thus, SAIFI can be thought of as an independent variable.
CAIDI - Customer Average Interruption Duration Index	$\frac{\sum(\text{Number of Customers} * \text{Outage Duration})}{\text{Total Number of Customer Interruptions}} = \frac{\text{SAIDI}}{\text{SAIFI}}$	Hours	CAIDI gives the average outage duration that any given customer would experience and is calculated by the ratio of SAIDI to SAIFI. CAIDI can also be viewed as the average restoration time.

**Table 1 – Definition of Reliability Indices**

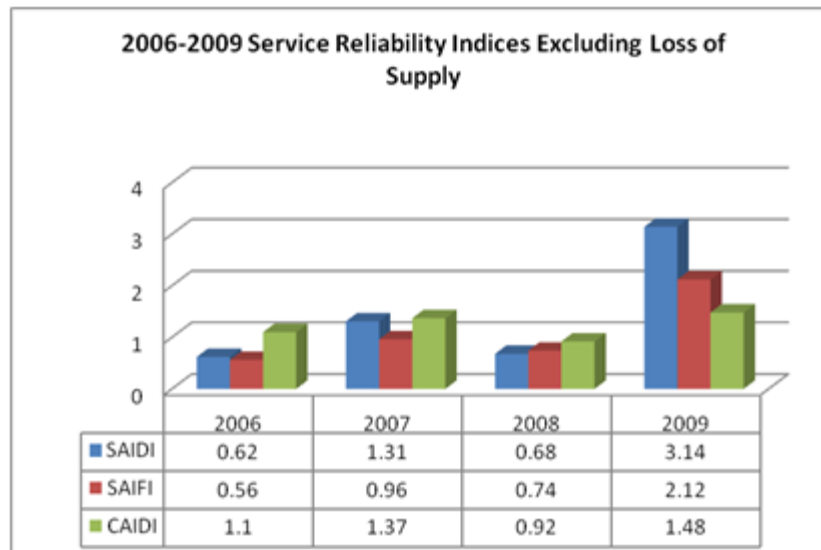
SAIFI and SAIDI are determined by frequency and time duration respectively. CAIDI, on the other hand, is calculated by dividing SAIDI by SAIFI, and is therefore is a *function* of these two indices and is less straightforward to interpret.

Moreover, since CAIDI is inversely proportional to SAIFI, if the change in SAIFI is proportionately greater than the change in SAIDI, then CAIDI will increase, i.e. move in the opposite direction of SAIDI and SAIFI. Thus, while SAIFI and SAIDI may individually improve, i.e. decrease, CAIDI may be adversely affected, i.e. increase. When loss-of-supply outages are excluded, for example, in 2007 and 2009, the SAIDI and SAIFI values both improved (i.e. both decreased), however, because SAIFI decreased more significantly than SAIDI, CAIDI increased.

In summary, CAIDI should always be considered in context with the “primary” indices, SAIDI and SAIFI. For example, CAIDI may improve in cases where an increase in short duration outages has occurred. However, the SAIFI index would capture the increase in the number of outage events when compared to past SAIFI index values.



**Fig. 1 – Service Reliability Indices Including Loss of Supply**



**Fig. 2 – Service Reliability Indices Excluding Loss of Supply**

## OPERATING COSTS

### Interrogatory #27

**Reference:** Exhibit 4/Tab 1/Schedule 1, page 1, Table 1

**a) Given that the 2006 EDR Approved OM&A expenses exceeded actual OM&A expenses over the period 2006-2009 approximately by \$2M (cumulatively), please explain why Kingston continued to defer necessary maintenance expenses and infrastructure investment over this period.**

An analysis of the expenditures shows that Kingston Hydro did not defer maintenance expenses and infrastructure investment during this period.

	(A) 4 Years Total Based on using 2006 EDR Approved	(B) 4 Years Total Based on 2006-2009 Actuals	(A-B)  4 Years Total Variance
Total Operations & Maintenance	\$9,253,336	\$9,875,613	\$(622,277)
Total Admin Expenses	\$12,914,272	\$10,014,215	\$2,900,057
Total OM&A Expenses	\$22,167,608	\$19,889,828	\$2,277,780

As the table above shows, total O&M expenditures totaled \$622,000 more than the 2006 EDR Approved amount over the 4 years 2006-2009. The net cumulative savings of \$2,278,000 for the total OM&A expenses was used to increase the capital infrastructure investment during those same years from a historical capital budget base of \$2,100,000, (see table below).

Year	2006	2007	2008	2009
Capital Expenditures	\$2,501,728	\$3,083,143	\$3,757,159	\$3,637,113

**Interrogatory #28**

**Reference: Exhibit 4/Tab 2/Schedule 3, page 2**

***a) Please confirm that the years shown as column headings on the OM&A Cost Driver Table are incorrect as filed and file a corrected table.***

The years shown as column headings are not incorrect. The number at the top left of the chart represents the total 2005 OM&A costs and the number at the bottom right represents the total 2011 OM&A costs.



**Interrogatory #29**

**Reference: Exhibit 4/Tab 2/Schedule 3, page 21**

***a) Please explain why the effects of inflation are separately considered given that the other 2011 cost drivers incorporate inflation. Does this constitute double counting?***

Costs are not double counted. The main cost drivers for 2011 have been identified. The remaining \$46,000 included here is made up of numerous miscellaneous amounts. One of the factors accounting for the increase would be inflation.

**Interrogatory #30**

**Reference:** *Exhibit 4/Tab 2/Schedule 5, page 2*

***a) The table indicates 2011 FTEs of 60.91. Does Kingston expect to maintain this level going forward, e.g., after expected future retirements?***

No, Kingston Hydro does not expect to maintain this level going forward. For those employees hired for succession planning prior to retirements as incumbents retire, not all will be replaced. Decisions to be made based on the circumstances/work load at the time.

**Interrogatory #31**

**Reference:** *Exhibit 4/Tab 4/Schedule 1, page 1 and Exhibit 4/Tab4/Schedule 2, page 1, Table 1*

***a) The first referenced page states that "... Kingston Hydro has aggregated the Executive and Management numbers with the Non-Union category, as the number of FTEs for those two categories is less than three in total for any of the years." Table 1 on the second referenced page indicates more than 3 FTEs in each year for the Management Group. For each year, please indicate how many of the FTEs shown on Table 1 as "Management" actually represent "Executive."***

The table below provides the information requested:

	2006	2009	2010	2011
Executive	0.68	0.58	0.58	0.58

**Interrogatory #32**

**Reference:** *Exhibit 4/Tab 5/Schedule 1, pages 2 and 3*

***a) Regarding the use of Allocation Method Two and Allocation Method Three, please explain why the methodology does not reflect any differences in benefits received by the utilities in allocating costs.***

As described in the Rate Application on the pages noted, the two allocation methods, 2 and 3, result in a different apportionment of charges to Kingston Hydro.

Under Allocation 2, it would be 25%.

Under Allocation 3, it would be 23%.

An example of a benefit that would be allocated using Allocation 2, would be the Geographic Information System (GIS). This charge is split 25% to each of the major utilities because the System is required by all 4 major utilities regardless of how much information is entered in the GIS for each utility.

An example of a benefit that would be allocated using Allocation 3, would be building rent. The lease of the building benefits the 4 major utilities and also the fibre optic business so a portion of the rent gets charged to that business as well.

***b) Please confirm that none of the assets underpinning the shared services whose costs are allocated to Kingston are in the utility's rate base. If unable to so confirm, please explain fully.***

Confirmed.

**Interrogatory #33**

**Reference:** *Exhibit 4/Tab 5/Schedule 1, pages 4 and 5*

***a) Please confirm that no assets underpinning the corporate costs are in the utility's rate base. If unable to so confirm, please explain fully.***

Confirmed.

***b) The evidence indicates that the City of Kingston provides services to Utilities Kingston with no mark up of costs or return on invested capital. Please indicate how the City of Kingston recovers the capital costs of providing the associated services.***

Generally the City of Kingston absorbs any capital costs required to provide services to Utilities Kingston with two exceptions.

Regarding Fleet Services, historic practice, ending this year, was that Utilities Kingston paid for use of the vehicles on an hourly basis, at a charge set to recover both operating costs and replacement capital over all the hours of use. From 2011 onwards, the hourly charge for vehicles used exclusively by Kingston Hydro will be set to recover operating costs only, with the result that reserve funds for utility vehicles will be drawn down. When a replacement vehicle is required for use by Kingston Hydro, Kingston Hydro will purchase the vehicle directly, with the capital cost added to rate base.

The second is in the area of Information Systems. In this case, an amount of capital is charged based on the proportion of computer users (16%) for the costs of purchasing replacement computers.

## **SMART METER COSTS**

### **Interrogatory #34**

**Reference:** *OEB Guideline G-2008-0002 and  
OEB Filing Requirements for Smart Meter Investment Plans, October 26, 2006*

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

Chapter 3 of the Filing Requirements for Transmission and Distribution Applications issued July 9, 2010 at page 14 indicates:

#### **"2.3 Smart Meter Funding Adder**

The Smart Meter Funding adder is currently applied to all metered customers in accordance with the Board's Decision RP-2005-0020/EB-2005-0529 and as subsequently revised in Board Decisions and Rate Orders for each distributor. This funding adder is not subject to the price cap adjustment.

*Requests for changes to smart meter funding adders should comply with the latest version of the Board Guideline G-2008-0002 Smart Meter Funding and Cost Recovery. The Rate Generator Model will also include a schedule for a distributor to include the rate adder on the proposed Tariff of Rates and Charges."*

Therefore it is our understanding that the Filing Requirements for Smart Meter Investment Plans, October 26, 2006 have been superseded by Guideline G-2008-0002.

***b) Please 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.***

As of the most recent filing to the Board (for month end October 31, 2010)

Residential meters	22,485 96.80%
GS <50	2,981 91.70%

Kingston Hydro has not fully completed the deployment of smart meters nor the preparations for time of use billing and as a result not all the actual expenditures have been incurred or accounted for at this time. Kingston Hydro is not making application for dispersal of these variance accounts at this time. When the request for dispersal is made detailed information will be provided for capital, operating and PILs.

***c) Has Kingston kept (will keep) records by class as required and are accounts 1556 and 1555 segregated by rate class? Please elaborate.***

Kingston Hydro will be preparing its filing for final Smart meter rate Rider in accordance with the direction of the Board.

**Interrogatory #35**

**Reference:** *Exhibit 9/Tab 3/Schedule 1, Attachment*

**Preamble:** *This request is to provide a breakdown of Residential and Commercial meter installations in forecast 2010 and 2011*

**a) Please provide by year Support/details of the actual and forecast 2010 and 2011 Residential Class SM Unit costs (procurement and installation separately).**

Kingston Hydro has not completed smart meter deployment and is not applying for dispersal of the Smart Meter variance accounts as part of this rate application. Therefore the requested information is not currently available.

**b) Please provide by year support/details of the actual and forecast 2010 and 2011 Residential Class SM AMI, communications and back office costs (procurement and installation).**

Kingston Hydro has not completed smart meter deployment and is not applying for dispersal of the Smart Meter variance accounts as part of this rate application. Therefore the requested information is not currently available.

**c) Please provide by year support/details of the actual and forecast 2010 and 2011 Commercial Class SM Unit costs (procurement and installation separately).**

Kingston Hydro has not completed smart meter deployment and is not applying for dispersal of the Smart Meter variance accounts as part of this rate application. Therefore the requested information is not currently available.

**d) Please provide by year support/details of the actual and forecast 2010 and 2011 Commercial Class SM AMI, communications and back office costs (procurement and installation).**

Kingston Hydro has not completed smart meter deployment and is not applying for dispersal of the Smart Meter variance accounts as part of this rate application. Therefore the requested information is not currently available.



***e) Please provide a schedule that gives a breakdown of the actual and forecast 2010 and 2011 Capital Costs between the Residential and GS<50kw classes. Reconcile to Appendix 2-R.***

The requested information is not available.

***f) Please provide a breakdown of the actual and forecast 2010 and 2011 O&M costs for meters installed in 2010 and 2011 between the Residential, GS<50kw classes. Reconcile to Appendix 2-R.***

The requested information is not available.

***g) Are any SM installed in other classes? If so provide details of costs, if any,***

AMI technology will be installed for GS>50 customers that do not have interval meters. The purchase and installation will not be completed until 2011 and therefore not all actual costs have been incurred. These meters are not included in the smart meter project costs.

***h) Please provide the details of the actual YTD and forecast year end 2010 balances in Accounts 1555 and 1556 by class. Include the carrying cost calculation(s).***

The requested information is not available.

**Interrogatory #36**

**Reference: Exhibit 9/Tab 3/Schedule 1, Attachment 1, Appendix 2-R Accounts 1555 and 1556**

***a) Using OEB Worksheet 4 please calculate the Net Fixed assets and SM Rate Adder Revenue Requirement by rate class (Residential, GS<50kw). Please provide the details.***

Kingston Hydro has not fully completed the deployment of smart meters nor the preparations for time of use billing and as a result not all the actual expenditures have been incurred or accounted for at this time. Kingston Hydro is not making application for dispersal of these variance accounts and the final SM Rate Adder cannot be calculated at this time.

***b) Please calculate the SM revenue requirement and SM 2010 and 2011 Rate Adder revenue by rate class (Residential, GS<50kw ). Please include the Impact of HST after July 1 2010 and compare to the proposed aggregate \$1.00 /metered customer per month.***

Kingston Hydro has requested that the SM Rate Adder of \$1.00 be continued for 2011 and will request a final SM Rate Adder in a future rate filing.

***c) Please provide a cash flow showing the actual and forecast SM rate adder revenue and SM expenditures by Class per Month for the 2010 and 2011 rate years.***

Kingston Hydro has requested that the SM Rate Adder of \$1.00 be continued for 2011 and will request a final SM Rate Adder in a future rate filing.

## **LRAM CLAIM**

### **Interrogatory #37**

**Reference:** *Exhibit 10/Tab 1/Schedule 1*

**Preamble:** *The Current OEB CDM Guidelines states at Section 7.3*

*LRAM 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."*

**a) Please confirm that Kingston has only participated in OPA sponsored Programs from 2006-2009. If not provide an answer to part c) below.**

While Kingston Hydro has performed non-OPA sponsored CDM work, it has only requested LRAM relief for OPA sponsored programs in its rate application. Kingston Hydro and consultant analysis suggested that the cost of quantifying and verifying lost revenues created by non-OPA programs would exceed the likely LRAM recovery for such CDM savings.

**b) Please provide specific references (Document and page #) and links to all of the authorities from which all residential sector input assumptions were taken for Table 1 and attachment under which the LRAM claim was prepared, including:**

- ***OEB CDM Guidelines***
- ***OEB CDM Annual Reports***
- ***OPA Residential Measures and Assumptions List(s)***
- ***OPA Report(s) on 2006-2009 Kingston CDM programs***

***If necessary provide the Source Documents***

Kingston Hydro is not seeking LRAM relief for non-OPA programs, so the OEB CDM Annual Reports are not relevant to analysis of Kingston Hydro's LRAM claim. OPA reports are included in the spreadsheet asked for in the following questions. OPA Residential Measures & Assumptions Lists are available from the OPA.

- c) Answer as necessary: Please provide support (table/spreadsheet) at the detailed measure level for the savings calculations for all of the residential sector programs including input assumptions -unit kWh savings and free ridership.**

Kingston Hydro's LRAM claim is solely based on verified savings generated through administration of OPA Sponsored programs. As such, all input assumptions are consistent with OPA measure level savings calculations.

- d) Please provide a Table/Spreadsheet that shows the carrying charge calculations for all residential CDM programs Provide explanatory notes and reconcile the result to Table 1.**

Please find attached the information requested. The information reconciles with the information provided in Question 37h.

- e) When did OPA change its input assumptions for the mass market measures (CFLs etc) under the Every Kilowatt Counts (EKC) Campaigns? Provide the date(s) and a table that shows the pre and post input assumptions.**

The LRAM claim is based on verified savings results from OPA programs that the OPA itself reported back to Kingston Hydro in 2010. As such, Kingston Hydro expects that the input assumptions provided by the OPA correspond to the appropriate assumptions for each year.

- f) The current OEB CDM Guideline was issued in 2008 and in January 2009 the (15 months before the current LRAM and SSM claims were prepared) the OEB notified distributors that all future Residential LRAM and SSM claims should be based on the OPA Measures and Assumptions List. Please confirm that Table 1 and attachment uses OPA 2010 input assumptions for all mass market residential program measures.**

Table 1 is based on the OPA Measures and Assumptions List.

- g) If unable to confirm in the previous part, please provide a version of Table and attachment that uses the 2010 OPA Measures and Assumptions list inputs.**

Not Applicable.

***h) Please compare the resultant LRAM claim in terms of kWh savings and Cost including carrying charges.***

Please find attached the information requested.

Kingston Hydro  
2010 rebasing  
LRAM claim

Input data in green shaded cells.

LRAM	Customer Class	Annual Savings		Monthly Savings		Rate				LRAM Award			Carrying Charge Rate		Carrying Charges					Grand Total
		kWh	kW	kWh	kW	\$/kWh Jan-Apr	\$/kWh May-Dec	\$/kW Jan-Apr	\$/kW May-Dec	kWh	kW	Total			2006	2007	2008	2009	Total	
2006	Residential	1,861,814		155,151	0	0.0135	0.0125			\$23,893	\$0	\$23,893	Q1	4.14%	\$1,043	\$1,130	\$951	\$332	\$3,455	\$27,348
	General Service <50 kW			0	0	0.0106	0.0099			\$0	\$0	\$0	Q2	4.14%	\$0	\$0	\$0	\$0	\$0	\$0
	General Service >50kW		1,803	0	150			1.7146	1.7931	\$0	\$3,185	\$3,185	Q3	4.59%	\$139	\$151	\$127	\$44	\$461	\$3,646
	Large User			0	0			0.5885	0.9851	\$0	\$0	\$0	Q4	4.59%	\$0	\$0	\$0	\$0	\$0	\$0
	USL												Annual	4.37%	\$0	\$0		\$0	\$0	
	SL														\$0			\$0	\$0	
	SeL														\$0			\$0	\$0	
	Total	1,861,814	1,803							\$23,893	\$3,185	\$27,079			\$1,182	\$1,280	\$1,078	\$376	\$3,916	\$27,809
2007	Residential	1,583,370		131,947	0	0.0125	0.0126			\$43,294		\$43,294	Q1	4.59%		\$2,047	\$1,723	\$601	\$4,371	\$47,665
	General Service <50 kW	0		0	0	0.0099	0.01			\$0		\$0	Q2	4.59%		\$0	\$0	\$0	\$0	\$0
	General Service >50kW		468	0	39			1.7931	1.8902		\$3,629	\$3,629	Q3	4.59%		\$172	\$144	\$50	\$366	\$3,995
	Large User		21	0	2			0.9851	0.994		\$21	\$21	Q4	5.14%		\$1	\$1	\$0	\$2	\$23
	USL												Annual	4.73%		\$0		\$0	\$0	
	SL														\$0			\$0	\$0	
	SeL														\$0			\$0	\$0	
	Total	1,583,370	490							\$43,294	\$3,650	\$46,945				\$2,219	\$1,868	\$651	\$4,739	\$48,034
2008	Residential	1,079,028		89,919	0	0.0126	0.0126			\$57,005		\$57,005	Q1	5.14%			\$2,269	\$791	\$3,060	\$60,065
	General Service <50 kW	1,368,422		114,035	0	0.01	0.01			\$13,684		\$13,684	Q2	4.08%			\$545	\$190	\$735	\$14,419
	General Service >50kW		1,401	0	117			1.8902	1.8056		\$6,734	\$6,734	Q3	3.35%			\$268	\$93	\$361	\$7,095
	Large User			0	0			0.994	0.992		\$21	\$21	Q4	3.35%			\$1	\$0	\$1	\$22
	USL												Annual	3.98%			\$0	\$0	\$0	
	SL															\$0	\$0	\$0		
	SeL															\$0	\$0	\$0		
	Total	2,447,450	1,401							\$70,689	\$6,755	\$77,445					\$3,082		\$4,157	\$74,846
2009	Residential	178,250		14,854	0	0.0126	0.0127			\$59,565		\$59,565	Q1	2.45%				\$826	\$826	\$60,391
	General Service <50 kW	476,446		39,704	0	0.01	0.01			\$18,449		\$18,449	Q2	2.00%				\$256	\$256	\$18,705
	General Service >50kW		23	0	2			1.8056	1.8128		\$6,690	\$6,690	Q3	0.55%				\$93	\$93	\$6,783
	Large User		0	0	0			0.992	0.996		\$21	\$21	Q4	0.55%				\$0	\$0	\$22
	USL												Annual	1.39%				\$0	\$0	
	SL																	\$1,176		
	SeL																			
	Total									\$78,013	\$6,711	\$84,724							\$13,987	
Cumulative	Residential	4,702,462	0	391,872	0					\$183,757	\$0	\$183,757			\$1,043	\$3,176	\$4,943	\$2,550	\$10,885	\$195,469
	General Service <50 kW	1,844,868	0	153,739	0					\$32,133	\$0	\$32,133			\$0	\$0	\$545	\$446	\$735	\$33,123
	General Service >50kW	0	3,695	0	308					\$0	\$20,238	\$20,238			\$139	\$322	\$539	\$281	\$1,188	\$21,519
	Large User	0	21	0	2					\$0	\$64	\$64			\$0	\$1	\$2	\$1	\$3	\$68
	USL	0	0	0	0					\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0
	SL	0	0	0	0					\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0
	SeL	0	0	0	0					\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0
	Total	6,547,329	3,717	545,611	310					\$215,890	\$20,302	\$236,192			\$1,182	\$3,499	\$6,028	\$3,277	\$12,811	\$250,179

Kingston Hydro Corporation  
Lost Revenue Adjustment Mechanism

Savings				Variable Distribution Rates (Weighted Average)				Lost Revenue Adjustment Mechanism Claim					Carrying Charges	TOTAL CLAIM
2006	2007	2008	2009	2006	2007	2008		2006	2007	2008	2009	Total		
1,861,814 kWh	1,583,370 kWh	2,447,450 kWh	654,696 kWh					\$23,893	\$43,294	\$70,689	\$78,013	\$215,890	\$12,702	\$228,592
1,803 kW	490 kW	1,401 kW	23 kW					<u>\$3,185</u>	<u>\$3,650</u>	<u>\$6,755</u>	<u>\$6,711</u>	<u>\$20,302</u>	<u>\$1,285</u>	<u>\$21,586</u>
Total								\$27,079	\$46,945	\$77,445	\$86,733	\$236,192	\$13,987	\$250,179

Kingston Hydro Corporation

Lost Revenue Adjustment Mechanism

Savings								Variable Distribution Rates (Weighted Average)								Lost Revenue Adjustment Mechanism Claim					Carrying Charges	TOTAL CLAIM
2006		2007		2008		2009		2006		2007		2008				2006	2007	2008	2009	Total		
1,861,814	kWh	1,583,370	kWh	1,079,028	kWh	178,250	kWh	0.0128	\$/kWh	0.0126	\$/kWh	0.0126	\$/kWh	0.0127	\$/kWh	\$23,893	\$43,294	\$57,005	\$59,565	\$183,757	\$11,712	\$195,469
0	kWh	0	kWh	1,368,422	kWh	476,446	kWh	0.0101	\$/kWh	0.0100	\$/kWh	0.0100	\$/kWh	0.0100	\$/kWh	\$0	\$0	\$13,684	\$18,449	\$32,133	\$990	\$33,123
1,803	kW	468	kW	1,401	kW	23	kW	1.7669	\$/kW	1.8578	\$/kW	1.8338	\$/kW	1.8104	\$/kW	\$3,185	\$3,629	\$6,734	\$6,690	\$20,238	\$1,281	\$21,519
0	kW	21	kW	0	kW	0	kW	0.8529	\$/kW	0.9910	\$/kW	0.9927	\$/kW	0.9947	\$/kW	\$0	\$21	\$21	\$21	\$64	\$4	\$68
Total																\$27,079	\$46,945	\$77,445	\$84,724	\$236,192	\$13,987	\$250,179

kWh data  
kW data  
Total

Residential  
General Service <50 kW  
General Service >50kW  
Large User  
Total

**Interrogatory #38**

**Reference:** *Exhibit 10/Tab 1/Schedule 1, Attachment 1*

**Preamble:** *These questions relate to the SeeLine Independent review*

**a) Please provide a full list of all the sources of data that SeeLine used to provide verification of Kingston's LRAM Claim.**

SeeLine did not provide verification of Kingston Hydro's LRAM claim as direction from the OEB was such that OPA reported results were sufficient for LRAM verification purposes. Kingston Hydro is not seeking LRAM relief for non-OPA contracted conservation programs.

**b) When did OPA change its input assumptions (including freeridership) for mass market measures (CFLs etc) under the Every Kilowatt Counts (EKC) Campaigns? Please provide the date(s), a copy of the instructions to distributors and a table that shows the pre and post input assumptions.**

Kingston Hydro relied upon results verified and reported by the OPA to calculate its LRAM claim. We recommend that the intervenor contact the OPA for this information.

**c) Please confirm that the Kingston LRAM Claim is only for OPA Programs, including EKC and uses only OPA Measures and assumptions list inputs.**

Confirmed.

**d) Please clarify the Statement that**

***In particular, the net MW and MWh savings attributable to Kingston Hydro at the initiative level. This information can be found in column I to BK in the worksheet titled "Initiative Level."***

This is a grammatical error. It should be preceded by a comma.

It should read, "We do however recommend that information provided by the OPA1 be included with the LRAM application, in particular, the net MW and MWh savings attributable to Kingston Hydro at the initiative level. This information can be found in column I to BK in the worksheet titled "Initiative Level". As requested in section (e) of this question, the referenced spreadsheet has been provided."



***e) Please provide a Copy of the Spreadsheet referenced on page 2 of the SeeLine letter (footnote 1).***

Please find attached the information as requested.

OPA Conservation & Demand Management Programs  
Annual Results

For: Kingston Hydro Corporation

#	Program Name	Program Year	Results Status	Net																											
				Summer Peak Demand Savings (MW)																											
				2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
1	Kingston Hydro Corporation	2006	Final	1.88	1.88	1.88	0.08	0.08	0.08	0.07	0.05	0.05	0.05	0.05	0.05	0.05	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		
2	Kingston Hydro Corporation	2007	Final	0.00	0.85	0.85	0.20	0.20	0.20	0.19	0.19	0.19	0.17	0.17	0.15	0.15	0.15	0.15	0.06	0.06	0.06	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00		
3	Kingston Hydro Corporation	2008	Final	0.00	0.00	1.76	0.91	0.91	0.91	0.90	0.34	0.34	0.33	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.28	0.11	0.11	0.05	0.05	0.00	0.00	0.00	0.00		
Total				2	3	4	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Province Wide	2006	Final	282.17	282.17	282.17	16.17	16.17	15.27	14.01	10.67	10.67	10.67	10.67	10.67	10.67	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		
5	Province Wide	2007	Final	0.00	300.38	299.91	177.11	177.11	176.15	42.13	42.13	42.13	38.33	37.30	34.83	34.83	21.50	21.50	21.19	5.66	5.63	5.63	2.46	1.95	0.00	0.00	0.00	0.00	0.00		
6	Province Wide	2008	Final	0.00	0.00	360.73	179.37	179.27	179.27	178.59	93.59	92.29	91.85	87.72	80.98	80.63	80.63	79.52	45.40	45.03	41.23	26.42	26.42	14.41	14.41	0.00	0.00	0.00	0.00		
Total				282	583	943	373	373	371	235	146	145	141	136	126	126	102	101	67	51	47	32	29	16	14	0	0	0	0		

Net																										
Annual Energy Savings (MWh)																										
2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1,862	1,862	1,862	1,862	1,862	1,182	1,154	52	52	52	52	52	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1,606	1,597	1,267	1,267	1,267	1,232	1,232	1,232	602	551	443	443	443	443	322	176	173	173	154	23	0	0	0	0	0	0
0	0	2,461	2,291	2,291	2,291	2,202	2,202	2,110	2,041	1,739	1,646	1,596	1,596	1,587	1,583	1,579	1,511	137	137	46	46	0	0	0	0	0
1,862	3,468	5,920	5,420	5,420	4,740	4,588	3,485	3,393	2,694	2,343	2,141	2,091	2,039	2,030	1,905	1,755	1,683	309	291	68	46	0	0	0	0	0
374,407	374,407	374,407	374,407	374,407	237,735	232,140	10,417	10,417	10,417	10,417	10,417	10,417	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	474,318	472,717	391,717	391,717	371,920	199,587	194,587	194,587	77,277	66,358	46,225	46,225	46,225	46,225	41,971	14,937	14,313	14,313	10,907	8,607	0	0	0	0	0	0
0	0	360,162	335,617	334,553	334,553	316,559	316,378	297,758	283,825	236,654	196,624	187,191	187,191	184,705	183,376	182,857	171,903	59,667	59,667	41,012	41,012	0	0	0	0	0
374,407	848,725	1,207,285	1,101,741	1,100,677	944,208	748,286	521,382	502,761	371,519	313,429	253,265	243,833	233,416	230,930	225,346	197,794	186,216	73,980	70,574	49,619	41,012	0	0	0	0	0

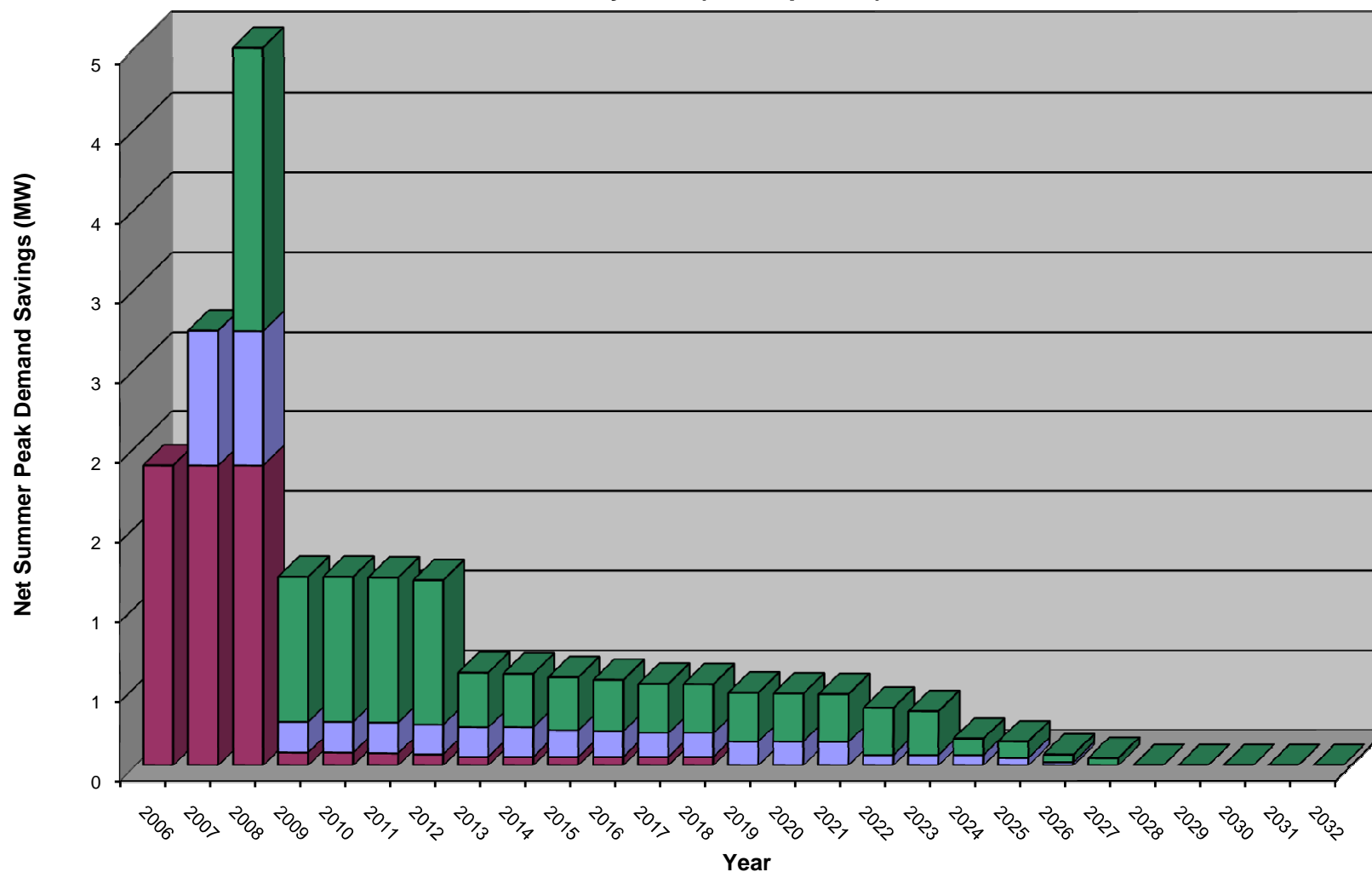
Gross																										
Summer Peak Demand Savings (MW)																										
2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1.89	1.89	1.89	0.09	0.09	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	2.33	2.32	0.33	0.33	0.33	0.28	0.28	0.28	0.26	0.25	0.23	0.23	0.23	0.23	0.22	0.08	0.08	0.08	0.05	0.02	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	2.03	1.17	1.17	1.17	1.16	0.60	0.58	0.58	0.56	0.53	0.53	0.53	0.52	0.52	0.51	0.48	0.16	0.16	0.06	0.06	0.00	0.00	0.00	0.00	
2	4	6	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
283.96	283.96	283.96	17.96	17.96	16.97	15.56	11.86	11.86	11.86	11.86	11.86	11.86	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	671.04	670.17	217.37	217.37	216.41	61.34	61.34	61.34	56.15	53.51	50.18	50.18	35.37	35.37	35.06	8.04	7.99	7.99	2.46	1.95	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	405.15	222.12	221.99	221.99	220.21	135.21	132.38	131.21	124.38	111.36	110.59	110.59	108.10	70.18	69.66	63.43	36.95	36.95	16.08	16.08	0.00	0.00	0.00	0.00	
284	955	1,359	457	457	455	297	208	206	199	190	173	173	146	143	105	78	71	45	39	18	16	0	0	0	0	

Gross																										
Annual Energy Savings (MWh)																										
2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2,069	2,069	2,069	2,069	2,069	1,314	1,283	58	58	58	58	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4,561	4,546	1,796	1,796	1,796	1,659	1,659	1,659	839	711	567	567	567	567	446	191	185	185	154	23	0	0	0	0	0	0
0	0	4,980	4,757	4,757	4,757	4,526	4,526	4,320	4,137	3,575	3,404	3,299	3,299	3,279	3,273	3,269	3,137	213	213	54	54	0	0	0	0	0
2,069	6,630	11,594	8,622	8,622	7,867	7,468	6,243	6,037	5,033	4,343	4,029	3,924	3,866	3,846	3,719	3,460	3,322	398	368	77	54	0	0	0	0	0
416,007	416,007	416,007	416,007	416,007	264,150	257,933	11,574	11,574	11,574	11,574	11,574	11,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1,189,858	1,186,946	511,946	511,946	492,149	277,077	277,077	277,077	123,786	95,856	69,231	69,231	69,231	69,231	64,977	17,763	16,629	16,629	10,907	8,607	0	0	0	0	0	0
0	0	677,605	645,319	643,918	643,918	597,241	596,982	555,334	518,183	434,492	359,600	339,246	339,246	334,040	332,452	331,746	313,985	79,645	79,645	47,148	47,148	0	0	0	0	0
416,007	1,605,865	2,280,559	1,573,273	1,571,872	1,400,217	1,132,252	885,634	843,986	653,544	541,923	440,405	420,052	408,477	403,271	397,429	349,509	330,614	96,274	90,551	55,754	47,148	0	0	0	0	0

OPA Conservation & Demand Management Programs  
Allocation Methodology

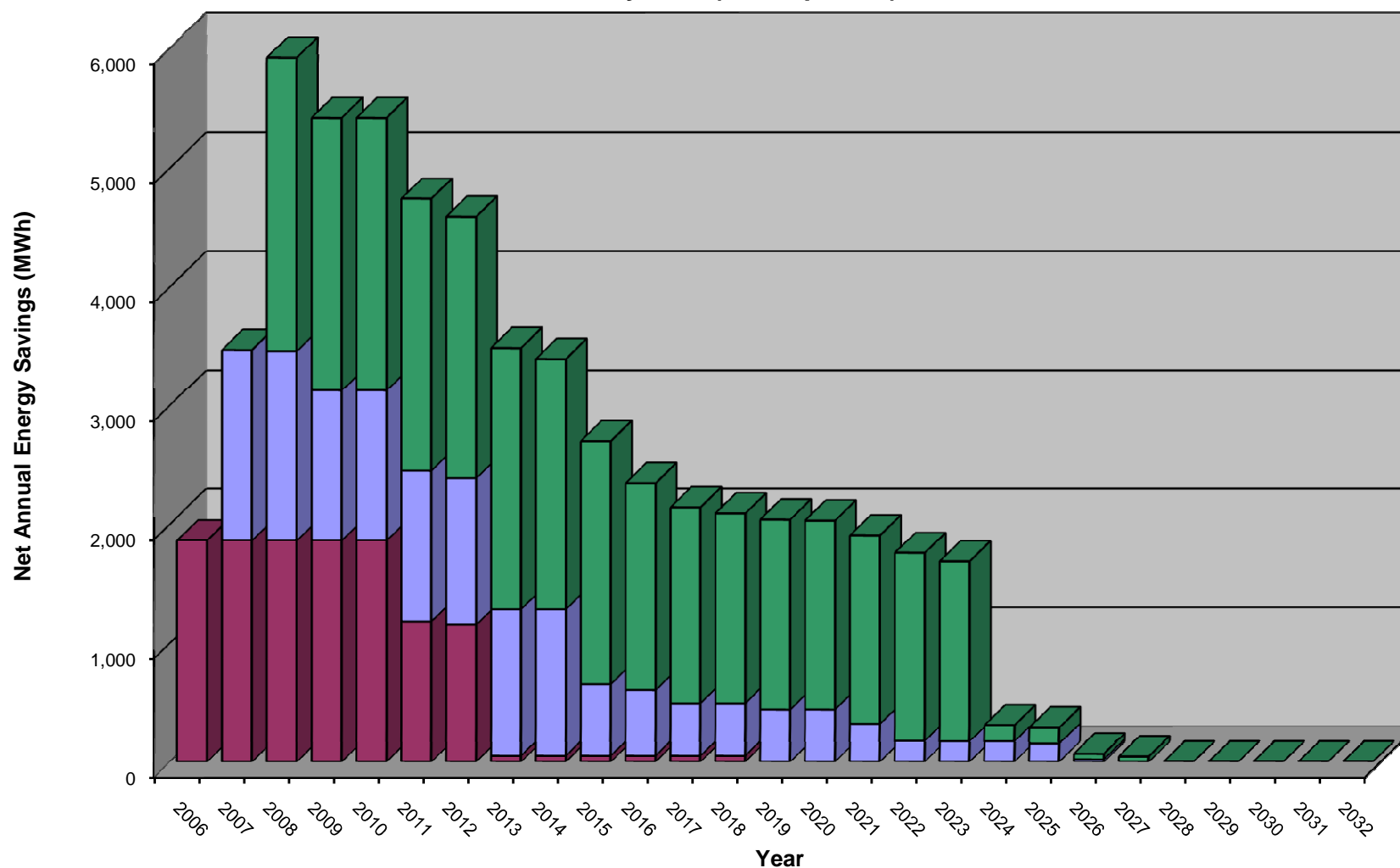
#	Initiative	Allocation Methodology	Notes
1	2006 Every Kilowatt Counts (Spring)	Measure level allocation based on 2006 residential energy throughput by LDC	
2	2006 Cool Savings	Measure level allocation based on 2006 residential energy throughput by LDC	
3	2006 Secondary Refrigerator Retirement	Measure level allocation based on 2006 residential energy throughput by LDC	
4	2006 Every Kilowatt Counts (Autumn)	Measure level allocation based on 2006 residential energy throughput by LDC	
5	2006 Demand Response 1	Initiative level allocation based on 2006 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population of the Demand Response 1 program can lead to participant confidentiality issues if disclosed on an actual LDC share basis.  2) Program results are based on contracted nameplate capacity and not actual summer coincident peak demand reduction.
6	2007 Great Refrigerator Roundup	Actual LDC specific results	
7	2007 Cool Savings	Measure level allocation based on 2007 residential energy throughput by LDC	
8	2007 Aboriginal	Actual LDC specific results	
9	2007 Every Kilowatt Counts	Measure level allocation based on 2007 residential energy throughput by LDC	
10	2007 <i>peaksaver</i> ®	Actual LDC specific results	
11	2007 Summer Savings	Allocation determined by evaluation contractor based on residential customers	
12	2007 Affordable Housing	Actual LDC specific results	
13	2007 Social Housing	Initiative level allocation based on 2007 Residential Energy Throughput	
14	2007 Energy Efficiency Assistance for Houses	Actual LDC specific results	
15	2007 Toronto Comprehensive	Program run exclusively in Toronto	
16	2007 Electricity Retrofit Incentive	Actual LDC specific results	
17	2007 Demand Response 1	Initiative level allocation based on 2007 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population of the Demand Response 1 program can lead to participant confidentiality issues if disclosed on an actual LDC share basis.  2) Program results are based on contracted nameplate capacity and not actual summer coincident peak demand reduction.
18	2007 Other Demand Response	Contract level allocation based on 2007 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population of the Other Demand Response program can lead to participant confidentiality issues if disclosed on an actual LDC share basis.  2) Program results are based on contracted nameplate capacity and not actual summer coincident peak demand reduction.
19	2007 Renewable Energy Standard Offer	Actual LDC specific results	Program results are based on contracted nameplate capacity and not actual summer coincident peak generation
20	2008 Great Refrigerator Roundup	Actual LDC specific results	
21	2008 Cool Savings	Measure level allocation based on 2008 Residential Energy Throughput	
22	2008 Aboriginal	Actual LDC specific results	
23	2008 Summer Sweepstakes	Actual LDC specific results	
24	2008 Every Kilowatt Counts Power Savings Event	Measure level allocation based on 2008 Residential Energy Throughput	
25	2008 <i>peaksaver</i> ®	Actual LDC specific results	
26	2008 Electricity Retrofit Incentive	LDC's respective proportion of province-wide reported gross demand savings.	While this initiative underwent a thorough evaluation process at the provincial level, individual prescriptive input assumptions were not verified for all measures nor were reported savings from every individual LDC verified. A representative sample of retrofit projects were measured and verified and a province-wide savings total was derived. The province wide verified energy and demand savings were allocated to individual LDCs based on their respective proportion of province-wide reported gross demand savings.
27	2008 Toronto Comprehensive	Program run exclusively in Toronto	
28	2008 High Performance New Construction		
29	2008 Power Savings Blitz	Actual LDC specific results	
30	2008 Chiller Plant Re-Commissioning	Actual LDC specific results	
31	2008 Demand Response 1	Initiative level allocation based on 2008 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population of the Demand Response 1 program can lead to participant confidentiality issues if disclosed on an actual LDC share basis.  2) Program results are based on contracted nameplate capacity and not actual summer coincident peak demand reduction.
32	2008 Demand Response 3	Initiative level allocation based on 2008 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population of the Demand Response 3 program can lead to participant confidentiality issues if disclosed on an actual LDC share basis.  2) Program results are based on contracted nameplate capacity and not actual summer coincident peak demand reduction.
33	2008 Other Demand Response	Contract level allocation based on 2008 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population of the Other Demand Response program can lead to participant confidentiality issues if disclosed on an actual LDC share basis.  2) Program results are based on contracted nameplate capacity and not actual summer coincident peak demand reduction.
34	2008 LDC Custom – Hydro One Double Return	Program run exclusively in Hydro One	Verified
35	2008 Renewable Energy Standard Offer	Actual LDC specific results	Program results are based on contracted nameplate capacity and not actual summer coincident peak generation
36	2008 Other Customer Based Generation	Actual LDC specific results	Program results are based on contracted nameplate capacity and not actual summer coincident peak generation

**Net Summer Peak Demand Savings  
 By Year (LDC Specific)**



■ Kingston Hydro Corporation - 2008 programs (Final) ■ Kingston Hydro Corporation - 2007 programs (Final) ■ Kingston Hydro Corporation - 2006 programs (Final)

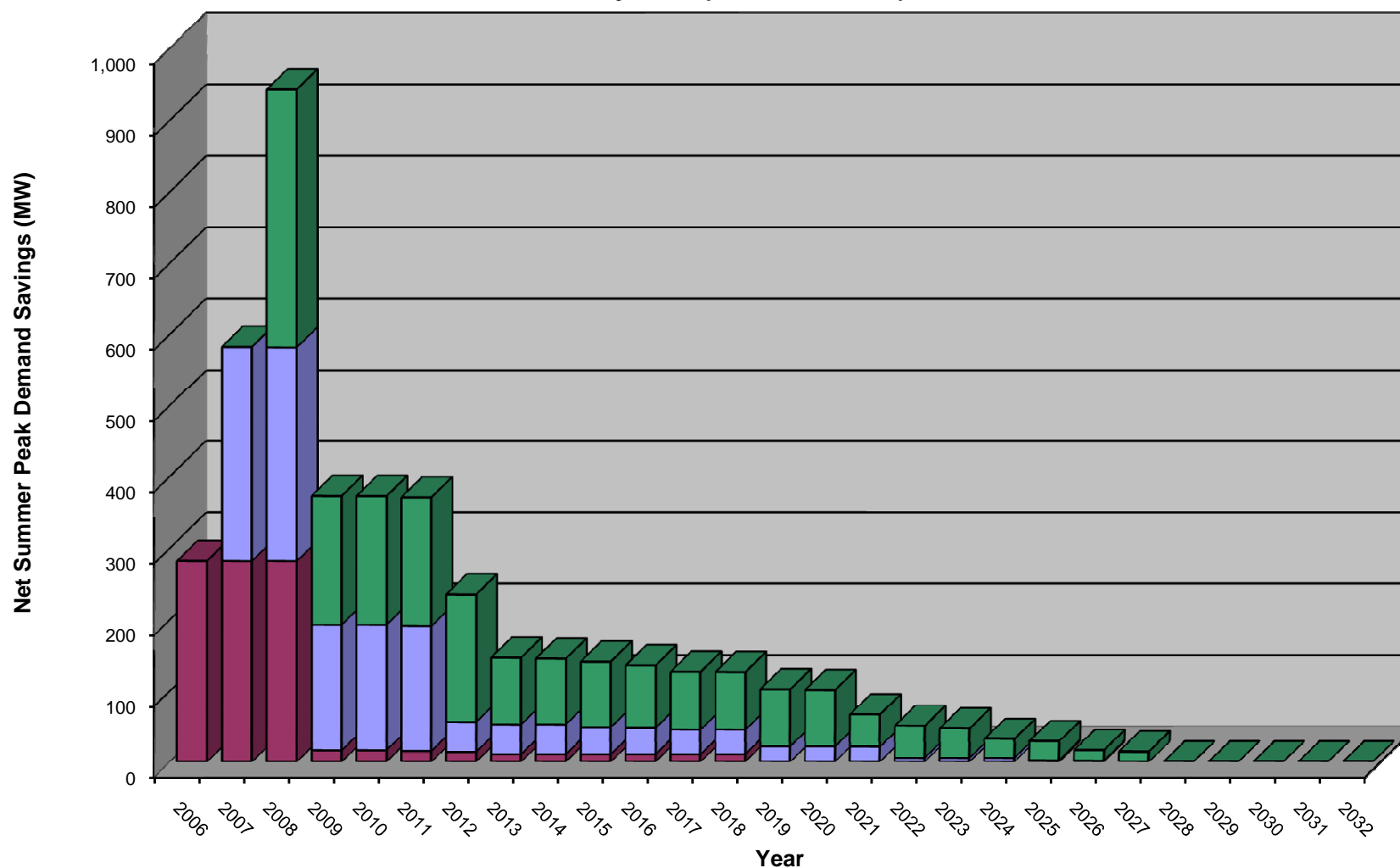
**Net Annual Energy Savings  
 By Year (LDC Specific)**



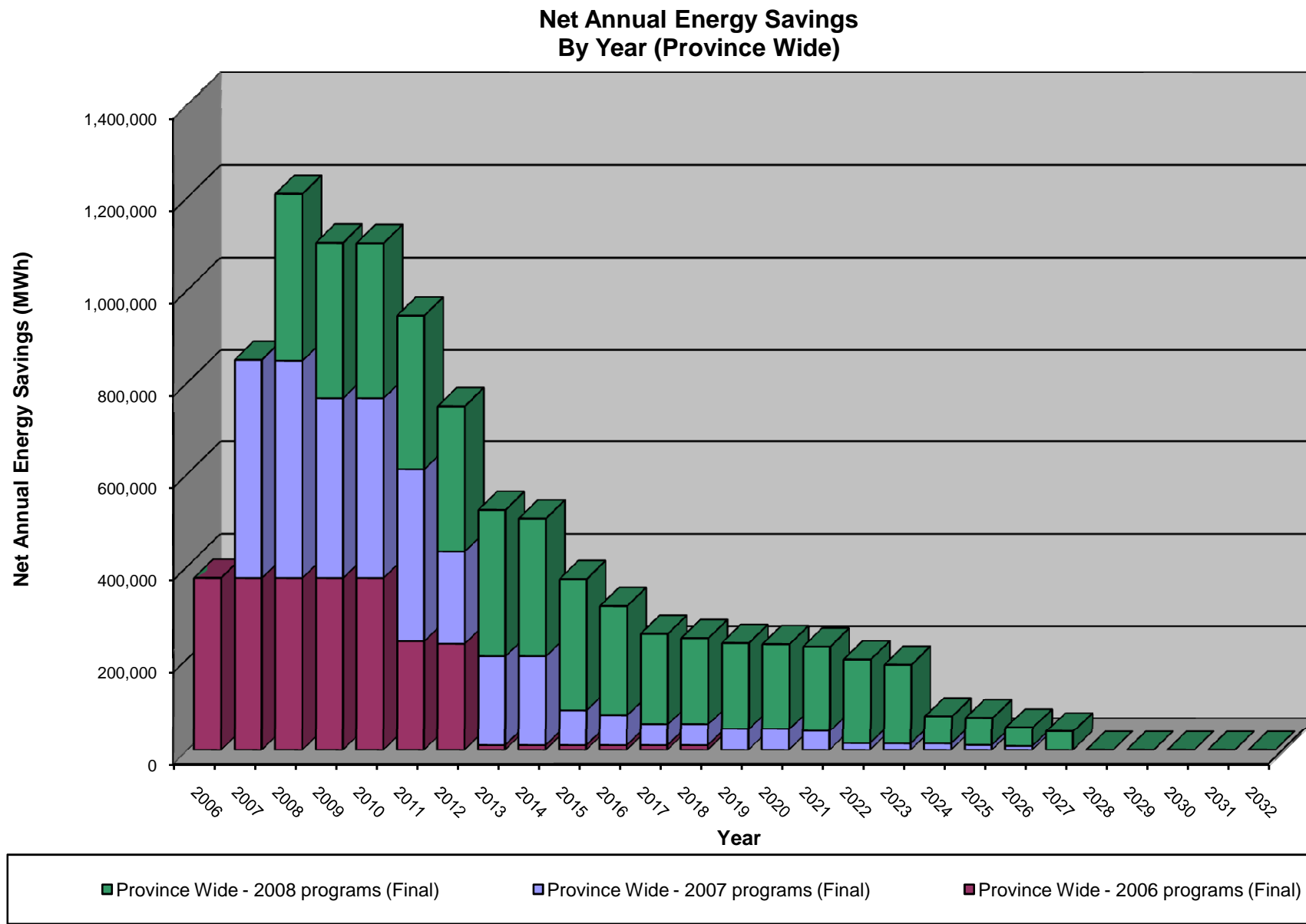
■ Kingston Hydro Corporation - 2008 programs (Final) ■ Kingston Hydro Corporation - 2007 programs (Final) ■ Kingston Hydro Corporation - 2006 programs (Final)



### Net Summer Peak Demand Savings By Year (Province Wide)



■ Province Wide - 2008 programs (Final)
 ■ Province Wide - 2007 programs (Final)
 ■ Province Wide - 2006 programs (Final)



OPA Conservation & Demand Management Programs

Initiative Results

For: Kingston Hydro Corporation

#	Initiative Name	Program Name	Program Year	Results Status	Allocation Methodology
1	2006 Every Kilowatt Counts (spring)	Consumer	2006	Final	2006 LDC Residential Energy Throughput
2	2006 Cool Savings Rebate Program	Consumer	2006	Final	2006 LDC Residential Energy Throughput
3	2006 Secondary Fridge Retirement Pilot	Consumer	2006	Final	2006 LDC Residential Energy Throughput
4	2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	2006 LDC Residential Energy Throughput
6	2006 Demand Response 1	Industrial, Business	2006	Final	2006 LDC Non-Residential Energy Throughput
2006 Subtotal					
7	2007 Great Refrigerator Roundup	Consumer	2007	Final	LDC Participation
8	2007 Cool Savings Rebate	Consumer	2007	Final	2007 LDC Residential Energy Throughput
9	2007 Aboriginal – Pilot	Consumer	2007	Final	LDC Participation
10	2007 Every Kilowatt Counts	Consumer	2007	Final	2007 LDC Residential Energy Throughput
11	2007 peaksaver®	Consumer, Business	2007	Final	LDC Participation
12	2007 Summer Savings	Consumer	2007	Final	Evaluation Contractor Determined
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	LDC Participation
14	2007 Social Housing – Pilot	Consumer	2007	Final	2007 LDC Residential Energy Throughput
15	2007 Energy Efficiency Assistance for Houses – Pilot	Consumer	2007	Final	LDC Participation
16	2007 Toronto Comprehensive	Business	2007	Final	LDC Participation
17	2007 Electricity Retrofit Incentive Program	Business	2007	Final	LDC Participation
18	2007 Demand Response 1	Industrial, Business	2007	Final	2007 LDC Non-Residential Energy Throughput
19	2007 Other Demand Response	Industrial, Business	2007	Final	2007 LDC Non-Residential Energy Throughput
20	2007 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2007	Final	LDC Participation
2007 Subtotal					
21	2008 Great Refrigerator Roundup	Consumer	2008	Final	LDC Participation
22	2008 Cool Savings Rebate	Consumer	2008	Final	2008 LDC Residential Energy Throughput
23	2008 Aboriginal	Consumer	2008	Final	LDC Participation
24	2008 Summer Sweepstakes	Consumer	2008	Final	LDC Participation
25	2008 Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	2008 LDC Residential Energy Throughput
26	2008 peaksaver®	Consumer, Business	2008	Final	LDC Participation
27	2008 Electricity Retrofit Incentive	Business	2008	Final	LDC Participation
28	2008 Toronto Comprehensive	Business	2008	Final	LDC Participation
29	2008 High Performance New Construction	Business	2008	Final	2008 LDC Non-Residential Energy Throughput
30	2008 Power Savings Blitz	Business	2008	Final	LDC Participation
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	LDC Participation
32	2008 Demand Response 1	Industrial, Business	2008	Final	2008 LDC Non-Residential Energy Throughput
33	2008 Demand Response 3	Industrial, Business	2008	Final	2008 LDC Non-Residential Energy Throughput
34	2008 Other Demand Response	Industrial, Business	2008	Final	2008 LDC Non-Residential Energy Throughput
35	2008 LDC Custom	Consumer, Business, Industrial, Low-Income	2008	Final	LDC Participation
36	2008 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2008	Final	LDC Participation
37	2008 Other Customer Based Generation	Consumer, Business, Industrial, Low-Income	2008	Final	LDC Participation
2008 Subtotal					
Overall Total					

Province Wide Results

#	Initiative Name	Program Name	Program Year	Results Status
1	2006 Every Kilowatt Counts (spring)	Consumer	2006	Final
2	2006 Cool Savings Rebate Program	Consumer	2006	Final
3	2006 Secondary Fridge Retirement Pilot	Consumer	2006	Final
4	2006 Every Kilowatt Counts (fall)	Consumer	2006	Final
6	2006 Demand Response 1	Industrial, Business	2006	Final
2006 Subtotal				
7	2007 Great Refrigerator Roundup	Consumer	2007	Final
8	2007 Cool Savings Rebate	Consumer	2007	Final
9	2007 Aboriginal – Pilot	Consumer	2007	Final
10	2007 Every Kilowatt Counts	Consumer	2007	Final
11	2007 peaksaver®	Consumer, Business	2007	Final
12	2007 Summer Savings	Consumer	2007	Final
13	2007 Affordable Housing – Pilot	Consumer	2007	Final
14	2007 Social Housing – Pilot	Consumer	2007	Final
15	2007 Energy Efficiency Assistance for Houses – Pilot	Consumer	2007	Final
16	2007 Toronto Comprehensive	Business	2007	Final
17	2007 Electricity Retrofit Incentive Program	Business	2007	Final
18	2007 Demand Response 1	Industrial, Business	2007	Final
19	2007 Other Demand Response	Industrial, Business	2007	Final
20	2007 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2007	Final
2007 Subtotal				
21	2008 Great Refrigerator Roundup	Consumer	2008	Final
22	2008 Cool Savings Rebate	Consumer	2008	Final
23	2008 Aboriginal	Consumer	2008	Final
24	2008 Summer Sweepstakes	Consumer	2008	Final
25	2008 Every Kilowatt Counts Power Savings Event	Consumer	2008	Final
26	2008 peaksaver®	Consumer, Business	2008	Final
27	2008 Electricity Retrofit Incentive	Business	2008	Final
28	2008 Toronto Comprehensive	Business	2008	Final
29	2008 High Performance New Construction	Business	2008	Final
30	2008 Power Savings Blitz	Business	2008	Final
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final
32	2008 Demand Response 1	Industrial, Business	2008	Final
33	2008 Demand Response 3	Industrial, Business	2008	Final
34	2008 Other Demand Response	Industrial, Business	2008	Final
35	2008 LDC Custom	Consumer, Business, Industrial, Low-Income	2008	Final
36	2008 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2008	Final
37	2008 Other Customer Based Generation	Consumer, Business, Industrial, Low-Income	2008	Final
2008 Subtotal				
Overall Total				

[illegible]

Net																										
Annual Energy Savings (MWh)																										
2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
680	680	680	680	680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	52	52	52	52	52	52	52	52	52	52	52	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	28	28	28	28	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,862	1,862	1,862	1,862	1,862	1,182	1,154	52	52	52	52	52	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	61	61	61	61	61	60	60	60	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	163	163	163	163	163	157	157	157	157	157	157	157	157	157	157	16	16	16	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	713	704	704	704	704	675	675	675	55	55	10	10	10	10	10	6	3	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	330	330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	0	0	0	0	0	0	0	0	0	0	0
0	64	64	64	64	64	64	64	64	64	64	64	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	0	0	0	0
0	1,606	1,597	1,267	1,267	1,267	1,232	1,232	1,232	602	551	443	443	443	443	322	176	173	173	154	23	0	0	0	0	0	0
0	0	114	114	114	114	114	114	114	114	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	91	91	91	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	263	95	95	95	95	95	95	95	52	52	39	39	39	39	35	33	32	32	32	32	32	0	0	0	0
0	0	587	585	585	585	496	496	404	335	212	209	171	171	163	163	163	157	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,218	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	2,461	2,291	2,291	2,291	2,202	2,202	2,110	2,041	1,739	1,646	1,596	1,596	1,587	1,583	1,579	1,511	137	137	46	46	0	0	0	0	0
1,862	3,468	5,920	5,420	5,420	4,740	4,588	3,485	3,393	2,694	2,343	2,141	2,091	2,039	2,030	1,905	1,755	1,683	309	291	68	46	0	0	0	0	0
Net																										
Annual Energy Savings (MWh)																										
2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
136,671.67	136,671.67	136,671.67	136,671.67	136,671.67	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
10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	10,417.00	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
5,595.21	5,595.21	5,595.21	5,595.21	5,595.21	5,595.21	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
221,722.84	221,722.84	221,722.84	221,722.84	221,722.84	221,722.84	221,722.84	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	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
374,407	374,407	374,407	374,407	374,407	237,735	232,140	10,417	10,417	10,417	10,417	10,417	10,417	10,417	0	0	0	0	0	0	0	0	0	0	0	0	0
0	13,539	13,539	13,539	13,539	13,539	13,460	13,460	13,460	10,919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	30,191	30,191	30,191	30,191	30,191	29,153	29,153	29,153	29,153	29,153	29,153	29,153	29,153	29,153	29,153	2,888	2,888	2,888	0	0	0	0	0	0	0	0
0	19,797	19,797	19,797	19,797	19,797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	132,041	130,440	130,440	130,440	130,440	124,914	124,914	124,914	10,145	10,145	1,912	1,912	1,912	1,912	1,912	1,142	518	518	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	81,000	81,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	4,254	0	0	0	0	0	0	0	0	0	0	0	0
0	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	11,900	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	0	0	0	0	0	0
0	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	0	0	0	0	0	0
0	165,690	165,690	165,690	165,690	165,690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	5,000	5,000	5,000	5,000	5,000	5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8,607	8									

[illegible][illegible][illegible]

2	4	6	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

[illegible]

0.00	3.79	3.79	3.79	3.79	3.79	3.79	3.36	3.36	3.36	2.65	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	39.73	39.73	39.73	39.73	39.73	39.73	32.53	32.53	32.53	32.53	32.53	32.53	32.53	32.53	32.53	5.51	5.51	5.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.96	0.96	0.96	0.96	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	7.34	6.48	6.48	6.48	6.48	6.48	6.48	6.48	2.00	2.00	0.07	0.07	0.07	0.07	0.07	0.07	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	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	375.00	375.00	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	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	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	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.44	145.44	145.44	145.44	145.44	145.44	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	2.00	2.00	0.00	2.00	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	51.40	51.40	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	26.40	26.40	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	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	671	670	217	217	216	61	61	61	56	54	50	50	35	35	35	8	8	8	2	2	0	0	0	0	0	0

[illegible]

284	955	1,359	457	457	455	297	208	206	199	190	173	173	146	143	105	78	71	45	39	18	16	0	0	0	0	0
-----	-----	-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	----	----	----	----	----	---	---	---	---	---

[illegible]

OPA Conservation & Demand Management Programs  
Measure Results

For: Kingston Hydro Corporation

#	Initiative Name	Program Name	Program Year	Results Status	#	Measure Name	Unit Savings Assumptions			Net-to-Gross Adjustments (%)						Provincial Total (# Units)	LDC Total (# Units)
							Summer Peak Demand Savings per Unit (kW)	Annual Energy Savings per Unit (kWh)	Effective Useful Life (EUL)	Free Rider (#1)	Spill Over (#2)	Exclusions (#3)	Part Use (#4)	Other (#5)	Aggregate (#6)		
2006					1	Energy Star® Compact Fluorescent Light Bulb	0.00	104	4	90%	100%	100%	100%	100%	90%	1,338,276	6,655
	1 2006 Every Kilowatt Counts (spring)	Consumer	2006	Final	2	Electric Timers	0.00	183	20	90%	100%	100%	100%	100%	90%	37,518	187
	1 2006 Every Kilowatt Counts (spring)	Consumer	2006	Final	3	Programmable Thermostats	0.05	216	15	90%	100%	100%	100%	100%	90%	16,320	81
	1 2006 Every Kilowatt Counts (spring)	Consumer	2006	Final	4	Energy Star® Ceiling Fans	0.01	141	20	90%	100%	100%	100%	100%	90%	12,415	62
	2 2006 Cool Savings Rebate Program	Consumer	2006	Final	1	Energy Star® Air Conditioner	0.36	351	14	90%	100%	100%	100%	100%	90%	14,393	72
	2 2006 Cool Savings Rebate Program	Consumer	2006	Final	2	Programmable Thermostats	0.16	159	18	90%	100%	100%	100%	100%	90%	10,965	55
	2 2006 Cool Savings Rebate Program	Consumer	2006	Final	3	Air Conditioner Tune-Up	0.04	369	8	90%	100%	100%	100%	100%	90%	9,816	49
	3 2006 Secondary Fridge Retirement Pilot	Consumer	2006	Final	1	Refrigerator Retirement	0.27	1,200	6	90%	100%	100%	100%	100%	90%	5,018	25
	3 2006 Secondary Fridge Retirement Pilot	Consumer	2006	Final	2	Freezer Retirement	0.20	900	6	90%	100%	100%	100%	100%	90%	217	1
	4 2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	1	Energy Star® Compact Fluorescent Light Bulb	0.00	104	4	90%	100%	100%	100%	100%	90%	1,984,267	9,867
	4 2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	2	Seasonal Light Emitting Diode Light String	0.00	31	30	90%	100%	100%	100%	100%	90%	477,612	2,375
	4 2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	3	Programmable Thermostats	0.12	522	18	90%	100%	100%	100%	100%	90%	31,484	157
	4 2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	4	Dimmers	0.00	139	10	90%	100%	100%	100%	100%	90%	0	124
	4 2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	5	Indoor Motion Sensors	0.00	209	20	90%	100%	100%	100%	100%	90%	0	44
	4 2006 Every Kilowatt Counts (fall)	Consumer	2006	Final	6	Programmable Basebaord Thermostats	0.00	1,466	18	90%	100%	100%	100%	100%	90%	1,875	9
	6 2006 Demand Response 1	Industrial, Business	2006	Final	1	Voluntary Load Shedding Project	Custom	Custom	3	100%	100%	100%	100%	100%	100%	n/a	n/a
2007					1	Refrigerator	0.07	745	9	48%	100%	100%	81%	100%	39%	37,123	170
	7 2007 Great Refrigerator Roundup	Consumer	2007	Final	2	Freezer	0.07	515	8	50%	100%	100%	91%	100%	46%	10,652	43
	7 2007 Great Refrigerator Roundup	Consumer	2007	Final	3	Small Refrigerator	0.05	490	9	38%	100%	100%	79%	100%	30%	581	3
	7 2007 Great Refrigerator Roundup	Consumer	2007	Final	4	Small Freezer	0.04	339	8	38%	100%	100%	79%	100%	30%	325	1
	7 2007 Great Refrigerator Roundup	Consumer	2007	Final	5	Window Air Conditioner	0.56	240	5	43%	100%	100%	100%	100%	43%	758	3
	8 2007 Cool Savings Rebate	Consumer	2007	Final	1	ENERGY STAR® Central Air Conditioner	0.17	152	18	52%	5%	100%	100%	100%	57%	33,178	179
	8 2007 Cool Savings Rebate	Consumer	2007	Final	2	Programmable Thermostat	0.03	55	15	46%	0%	60%	100%	100%	27%	46,989	254
	8 2007 Cool Savings Rebate	Consumer	2007	Final	3	Furnace with Electronically Commutated Motor	0.49	832	15	54%	5%	100%	100%	100%	59%	51,990	281
	8 2007 Cool Savings Rebate	Consumer	2007	Final	4	Central Air Conditioning Tune Up	0.26	235	5	42%	0%	38%	100%	100%	16%	28,048	151
	9 2007 Aboriginal – Pilot	Consumer	2007	Final	1	Consumer Retrofit Kit	0.04	900	4	100%	100%	100%	100%	100%	100%	21,997	0
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	1	15 W CFL	0.00	43	8	78%	100%	100%	100%	100%	78%	2,376,053	12,832
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	2	20 W+ CFLs	0.00	62	8	78%	100%	100%	100%	100%	78%	386,799	2,089
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	3	Project Porchlight CFLs	0.00	43	8	76%	100%	100%	100%	100%	76%	500,000	2,700
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	4	Energy Star Ceiling Fan	0.00	90	10	55%	100%	100%	100%	100%	55%	19,166	104
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	5	Furnace Filter	0.01	38	1	55%	100%	100%	100%	100%	55%	77,226	417
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	6	Solar Lights	0.00	33	5	13%	100%	100%	100%	100%	13%	305,048	1,647
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	7	Outdoor Motion Sensor	0.00	160	10	55%	100%	100%	100%	100%	55%	30,516	165
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	8	Dimmer Switch	0.00	24	10	55%	100%	100%	100%	100%	55%	19,390	105
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	9	Energy Star Light Fixtures	0.01	123	16	55%	100%	100%	100%	100%	55%	9,229	50
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	10	SLEDs	0.00	14	5	49%	100%	100%	100%	100%	49%	629,498	3,400
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	11	T8	0.00	37	18	77%	100%	100%	100%	100%	77%	18,088	98
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	12	Programmable Thermostat	0.00	75	15	55%	100%	100%	100%	100%	55%	18,633	101
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	13	Power Bar with Timer	0.01	72	10	77%	100%	100%	100%	100%	77%	8,442	46
	10 2007 Every Kilowatt Counts	Consumer	2007	Final	14	Lighting Control Devices	0.02	72	10	55%	100%	100%	100%	100%	55%	97,742	528
	11 2007 peaksaver®	Consumer, Business	2007	Final	1	Residential Programmable Thermostat	0.63	0	12	90%	100%	100%	100%	100%	90%	12,360	0
	11 2007 peaksaver®	Consumer, Business	2007	Final	2	Residential Air Conditioner Switch	0.63	0	12	90%	100%	100%	100%	100%	90%	3,733	0
	11 2007 peaksaver®	Consumer, Business	2007	Final	3	Residential Water Heater Switch	0.30	0	12	90%	100%	100%	100%	100%	90%	10,364	0
	11 2007 peaksaver®	Consumer, Business	2007	Final	4	Commercial Programmable Thermostat	4.00	0	12	90%	100%	100%	100%	100%	90%	167	0
	11 2007 peaksaver®	Consumer, Business	2007	Final	5	Commercial Air Conditioner Switch	4.00	0	12	90%	100%	100%	100%	100%	90%	221	0
	11 2007 peaksaver®	Consumer, Business	2007	Final	6	Commercial Water Heater Switch	0.30	0	12	90%	100%	100%	100%	100%	90%	9	0
	12 2007 Summer Savings	Consumer	2007	Final	1	Household	0.44	787	2	12%	100%	100%	100%	100%	12%	858,039	3,495



13	2007 Affordable Housing – Pilot	Consumer	2007	Final	11 - T8 32W w/EL ballast	0.01	30	14	100%	100%	100%	100%	100%	100%	100%	174	4
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	2 2 - T8 32W w/EL ballast	0.02	46	14	100%	100%	100%	100%	100%	100%	100%	328	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	3 Air-source Heat Pump - Split	6.08	4,437	14	100%	100%	100%	100%	100%	100%	100%	4	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	4 Automated Controls for HVAC	0.00	18,565	14	100%	100%	100%	100%	100%	100%	100%	154	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	5 Boiler	0.01	17	14	100%	100%	100%	100%	100%	100%	100%	78	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	6 Ceiling Fan (common area)	0.00	7	14	100%	100%	100%	100%	100%	100%	100%	11	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	7 Ceiling Fan (in-suite)	0.00	7	14	100%	100%	100%	100%	100%	100%	100%	12	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	8 Central Air Conditioning System - Single	1.07	807	14	100%	100%	100%	100%	100%	100%	100%	75	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	9 Central Air Conditioning System - Split	1.94	1,456	14	100%	100%	100%	100%	100%	100%	100%	15	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	10 CFL Screw-In 15W - in suite	0.01	180	14	100%	100%	100%	100%	100%	100%	100%	920	498
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	11 CFL Screw-In 25W - in suite	0.01	300	14	100%	100%	100%	100%	100%	100%	100%	143	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	12 Dimmer Switch	0.00	139	14	100%	100%	100%	100%	100%	100%	100%	68	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	13 Energy Star Clotheswasher	0.03	287	14	100%	100%	100%	100%	100%	100%	100%	23	3
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	14 Energy Star Dishwasher	0.01	136	14	100%	100%	100%	100%	100%	100%	100%	2	2
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	15 Energy Star Refrigerator	0.01	69	14	100%	100%	100%	100%	100%	100%	100%	448	46
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	16 Flood Light, 26W Fluorescent Fixture	0.01	128	14	100%	100%	100%	100%	100%	100%	100%	30	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	17 Front Loading Washing Machine	0.11	1,108	14	100%	100%	100%	100%	100%	100%	100%	43	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	18 Furnace	0.02	25	14	100%	100%	100%	100%	100%	100%	100%	36	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	19 Furnace with DC Motor	0.03	45	14	100%	100%	100%	100%	100%	100%	100%	5	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	20 Ground-source Heat Pump	4.71	3,545	14	100%	100%	100%	100%	100%	100%	100%	26	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	21 High Pressure Sodium	0.09	749	14	100%	100%	100%	100%	100%	100%	100%	10	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	22 Motion Detector	0.00	209	14	100%	100%	100%	100%	100%	100%	100%	35	35
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	23 Occupancy Sensors	0.00	209	14	100%	100%	100%	100%	100%	100%	100%	163	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	24 Other CFL Screw-in Light (please specify)	0.01	383	14	100%	100%	100%	100%	100%	100%	100%	1,902	49
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	25 Other Exterior Lighting (please specify)	0.01	160	14	100%	100%	100%	100%	100%	100%	100%	34	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	26 Other Parking Garage Lighting (please specify)	0.05	442	14	100%	100%	100%	100%	100%	100%	100%	104	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	27 Photo Sensors	0.00	292	14	100%	100%	100%	100%	100%	100%	100%	6	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	28 Programmable Thermostat	0.01	631	14	100%	100%	100%	100%	100%	100%	100%	57	0
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	29 Timer - Outdoor Light	0.00	292	14	100%	100%	100%	100%	100%	100%	100%	19	2
13	2007 Affordable Housing – Pilot	Consumer	2007	Final	30 Ventilating Fan (in-suite)	0.00	12	14	100%	100%	100%	100%	100%	100%	100%	48	0
14	2007 Social Housing – Pilot	Consumer	2007	Final	1 Custom Retrofit Projects	Custom	Custom	10	100%	100%	100%	100%	100%	100%	100%	9,680	52
15	2007 Energy Efficiency Assistance for Households	Consumer	2007	Final	1 Custom Retrofit Projects	Custom	Custom	19	100%	100%	100%	100%	100%	100%	100%	544	22
16	2007 Toronto Comprehensive	Business	2007	Final	1 City of Toronto - Better Building Partnership Project	Custom	Custom	5	90%	100%	100%	100%	100%	100%	100%	0	0
16	2007 Toronto Comprehensive	Business	2007	Final	2 Toronto Hydro - Business Incentive Program Project	Custom	Custom	5	90%	100%	100%	100%	100%	100%	100%	24	0
16	2007 Toronto Comprehensive	Business	2007	Final	3 Building Owners & Managers Association - Toronto Project	Custom	Custom	5	90%	100%	100%	100%	100%	100%	100%	12	0
17	2007 Electricity Retrofit Incentive Program	Business	2007	Final	1 Custom Retrofit Projects	Custom	Custom	5	90%	100%	100%	100%	100%	100%	100%	n/a	n/a
18	2007 Demand Response 1	Industrial, Business	2007	Final	1 Voluntary Load Shedding Project	Custom	Custom	2	100%	100%	100%	100%	100%	100%	100%	n/a	n/a
19	2007 Other Demand Response	Industrial, Business	2007	Final	1 Loblaw Contract	Custom	Custom	2	100%	100%	100%	100%	100%	100%	100%	n/a	n/a
19	2007 Other Demand Response	Industrial, Business	2007	Final	2 Rodan Contract	Custom	Custom	2	100%	100%	100%	100%	100%	100%	100%	n/a	n/a
20	2007 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2007	Final	1 Hydro	Custom	Custom	20	100%	100%	100%	100%	100%	100%	100%	4	0
20	2007 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2007	Final	2 Wind	Custom	Custom	20	100%	100%	100%	100%	100%	100%	100%	3	0
20	2007 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2007	Final	3 Solar Photo-Voltaic	Custom	Custom	20	100%	100%	100%	100%	100%	100%	100%	72	2
20	2007 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2007	Final	4 Bio-Energy	Custom	Custom	20	100%	100%	100%	100%	100%	100%	100%	2	0

2008	2008 Great Refrigerator Roundup	Consumer	2008	Final	1 Refrigerator	0.08	775	9	55%	100%	100%	100%	100%	55%	62,968	212
21	2008 Great Refrigerator Roundup	Consumer	2008	Final	2 Freezer	0.08	740	8	52%	100%	100%	100%	100%	52%	18,376	61
21	2008 Great Refrigerator Roundup	Consumer	2008	Final	3 Room Air Conditioner	0.20	197	4.5	36%	100%	100%	100%	100%	36%	1,587	8
22	2008 Cool Savings Rebate	Consumer	2008	Final	1 2007 Efficient Furnace with Electronically Commutable	0.50	837	15	54%	5%	100%	100%	5%	59%	9,366	46
22	2008 Cool Savings Rebate	Consumer	2008	Final	2 2007 ENERGYSTAR® Central Air Conditioner	0.17	155	18	52%	5%	100%	100%	5%	57%	4,499	22
22	2008 Cool Savings Rebate	Consumer	2008	Final	3 2007 Programmable Thermostat	0.03	54	15	46%	0%	60%	100%	0%	27%	7,291	36
22	2008 Cool Savings Rebate	Consumer	2008	Final	4 2007 Central Air Conditioner Tune-ups	0.26	235	5	16%	0%	100%	100%	0%	16%	0	0
22	2008 Cool Savings Rebate	Consumer	2008	Final	5 2008 Efficient Furnace with Electronically Commutable	0.49	819	18	54%	5%	100%	100%	5%	59%	33,546	164
22	2008 Cool Savings Rebate	Consumer	2008	Final	6 2008 ENERGYSTAR® Central Air Conditioner	0.14	125	18	52%	0%	100%	100%	5%	57%	22,241	109
22	2008 Cool Savings Rebate	Consumer	2008	Final	7 2008 Programmable Thermostat	0.03	54	18	46%	0%	60%	100%	0%	27%	28,505	139
23	2008 Aboriginal	Consumer	2008	Final	1 Building Retrofits	1.60	2,820	10	100%	100%	100%	100%	100%	100%	0	0
24	2008 Summer Sweepstakes	Consumer	2008	Final	1 Households	0.20	768	1	78%	100%	100%	100%	100%	78%	62,670	439
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	1 Air Conditioner/Furnace Filters	0.02	38	1	35%	100%	100%	100%	100%	35%	39,053	193
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	2 Energy Star® Qualified Compact Fluorescent Floods (In	0.00	88	7	37%	100%	100%	100%	100%	37%	423,741	2,095
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	3 Energy Star® Qualified Light Fixtures	0.00	133	16	33%	100%	100%	100%	100%	33%	657,609	3,252
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	4 Heavy Duty Timers	0.02	301	10	33%	100%	100%	100%	100%	33%	14,885	74
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	5 T8 Fluorescent Fixtures	0.00	37	16	33%	100%	100%	100%	100%	33%	119,646	592
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	6 ENERGY STAR Decorative CFLs	0.00	30	4	39%	100%	100%	100%	100%	39%	1,526,248	7,547
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	7 ENERGY STAR Dimmable CFLs	0.00	98	6	38%	100%	100%	100%	100%	38%	98,397	487
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	8 Power Bars with Timers	0.00	53	10	41%	100%	100%	100%	100%	41%	7,055	35
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	9 Programmable Thermostats - Baseboard	0.00	64	15	47%	100%	100%	100%	100%	47%	41,495	205
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	10 Car block heater timer	n/a	n/a	n/a	0%	100%	100%	100%	100%	0%	n/a	n/a
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	11 Energy Star® Qualified Compact Fluorescent Light Bulbs	0.00	53	8	52%	100%	100%	100%	100%	52%	903,439	4,468
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	12 Lighting Control Devices	0.00	102	10	45%	100%	100%	100%	100%	45%	128,609	636
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	13 Awnings	0.00	0	n/a	0%	100%	100%	100%	100%	0%	28,376	140
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	14 Window Films	0.00	0	n/a	0%	100%	100%	100%	100%	0%	457,649	2,263
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	15 Electric Water Heater Blankets	0.00	0	n/a	0%	100%	100%	100%	100%	0%	14,029	69
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	16 Pipe Wrap	0.00	38	6	47%	100%	100%	100%	100%	47%	842,772	4,168
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	17 Low-Flow Toilets	0.00	0	n/a	0%	100%	100%	100%	100%	0%	110,248	545
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	18 Keep Cool – Dehumidifier	0.29	500	12	35%	100%	100%	100%	100%	35%	263	1
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	19 Keep Cool – Room Air Conditioner	0.14	141	9	42%	100%	100%	100%	100%	42%	295	1
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	20 Rewards for Recycling – Dehumidifier	0.29	500	12	44%	100%	100%	100%	100%	44%	7,897	39
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	21 Rewards for Recycling – Room Air Conditioner	0.14	141	9	44%	100%	100%	100%	100%	44%	8,535	42
25	2008 Every Kilowatt Counts Power Savings	Consumer	2008	Final	22 Rewards for Recycling – Halogen Lamp	0.01	275	16	48%	100%	100%	100%	100%	48%	6,808	34
26	2008 peaksaver®	Consumer, Business	2008	Final	1 Residential Programmable Thermostat	0.87	17	13	90%	100%	100%	100%	100%	90%	28,831	0
26	2008 peaksaver®	Consumer, Business	2008	Final	2 Residential Air Conditioner Switch	0.87	17	13	90%	100%	100%	100%	100%	90%	14,152	0
26	2008 peaksaver®	Consumer, Business	2008	Final	3 Residential Water Heater Switch	0.30	6	13	90%	100%	100%	100%	100%	90%	318	0
26	2008 peaksaver®	Consumer, Business	2008	Final	4 Commercial Programmable Thermostat	3.70	74	13	90%	100%	100%	100%	100%	90%	104	0
26	2008 peaksaver®	Consumer, Business	2008	Final	5 Commercial Air Conditioner Switch	3.70	74	13	90%	100%	100%	100%	100%	90%	47	0
26	2008 peaksaver®	Consumer, Business	2008	Final	6 Commercial Water Heater Switch	1.85	37	13	90%	100%	100%	100%	100%	90%	1	0

27	2008 Electricity Retrofit Incentive	Business	2008	Final	1 Agribusiness ENERGY STAR® Rated Exit Signs, All sides illuminated	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	2 Agribusiness ENERGY STAR® Rated CFLs, Screw in, 60 Watts or less	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	3 Agribusiness ENERGY STAR® Rated CFLs, Hard wired	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	4 Agribusiness Standard Performance T8, Single lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	5 Agribusiness Standard Performance T8, Double lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	6 Agribusiness Standard Performance T8, Triple lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	7 Agribusiness Standard Performance T8, Quadruple lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	8 Agribusiness High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	9 Agribusiness High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	10 Agribusiness High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	11 Agribusiness High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	12 Agribusiness T5 Fixtures, T5 fixture with 1, 2, or 3 lamps	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	13 Agribusiness T5 Fixtures, High Bay T5, Maximum 6 lamps	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	14 Agribusiness Metal Halide, 320 W Ceramic pulse start	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	15 Agribusiness Occupancy Sensors, Switch plate mounted	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	16 Agribusiness Occupancy Sensors, Ceiling mounted occupancy sensor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	17 Agribusiness Creep Heat Pads, up to 100W maximum	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	18 Agribusiness Creep Heat Pads, up to 200W maximum	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	19 Agribusiness High Temperature Cutout Thermostat	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	20 Agribusiness Creep Heat Controller	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	21 Agribusiness Energy Efficient Ventilation Exhaust Fans	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	22 Agribusiness Low Energy Livestock Waterers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	23 Agribusiness Photocell and Timer for Lighting Control	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	24 Lighting System Exit Signs, 5 W or less	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	25 Lighting System ENERGY STAR® Rated CFLs, Screw in, 60 Watts or less	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	26 Lighting System ENERGY STAR® Rated CFLs, Hard wired	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	27 Lighting System Standard Performance T8, Single lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	28 Lighting System Standard Performance T8, Double lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	29 Lighting System Standard Performance T8, Triple lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	30 Lighting System Standard Performance T8, Quadruple lamp starter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	31 Lighting System High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	32 Lighting System High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	33 Lighting System High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	34 Lighting System High Performance T8 (Consortium for Energy Efficient Lighting)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	35 Lighting System T5 Fixtures, T5 fixture with 1, 2, or 3 lamps	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	36 Lighting System T5 Fixtures, High Bay T5, Maximum 6 lamps	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	37 Lighting System Metal Halide, 320 W Ceramic pulse start	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	38 Lighting System Occupancy Sensors, Switch plate mounted	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	39 Lighting System Occupancy Sensors, Ceiling mounted occupancy sensor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	40 Motor Open Drip-Proof (ODP), 1 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	41 Motor Open Drip-Proof (ODP), 1.5 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	42 Motor Open Drip-Proof (ODP), 2 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	43 Motor Open Drip-Proof (ODP), 3 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	44 Motor Open Drip-Proof (ODP), 5 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	45 Motor Open Drip-Proof (ODP), 7.5 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	46 Motor Open Drip-Proof (ODP), 10 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	47 Motor Open Drip-Proof (ODP), 15 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	48 Motor Open Drip-Proof (ODP), 20 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	49 Motor Open Drip-Proof (ODP), 25 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	50 Motor Open Drip-Proof (ODP), 30 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	51 Motor Open Drip-Proof (ODP), 40 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	52 Motor Open Drip-Proof (ODP), 50 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	53 Motor Open Drip-Proof (ODP), 60 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	54 Motor Open Drip-Proof (ODP), 75 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	55 Motor Open Drip-Proof (ODP), 100 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	56 Motor Open Drip-Proof (ODP), 125 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	57 Motor Open Drip-Proof (ODP), 150 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	58 Motor Open Drip-Proof (ODP), 200 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	59 Motor Totally Enclosed Fan-Cooled (TEFC), 1 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	60 Motor Totally Enclosed Fan-Cooled (TEFC), 1.5 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	61 Motor Totally Enclosed Fan-Cooled (TEFC), 2 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	62 Motor Totally Enclosed Fan-Cooled (TEFC), 3 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	63 Motor Totally Enclosed Fan-Cooled (TEFC), 5 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	64 Motor Totally Enclosed Fan-Cooled (TEFC), 7.5 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	65 Motor Totally Enclosed Fan-Cooled (TEFC), 10 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	66 Motor Totally Enclosed Fan-Cooled (TEFC), 15 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	67 Motor Totally Enclosed Fan-Cooled (TEFC), 20 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	68 Motor Totally Enclosed Fan-Cooled (TEFC), 25 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	69 Motor Totally Enclosed Fan-Cooled (TEFC), 30 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	70 Motor Totally Enclosed Fan-Cooled (TEFC), 40 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	71 Motor Totally Enclosed Fan-Cooled (TEFC), 50 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	72 Motor Totally Enclosed Fan-Cooled (TEFC), 60 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	73 Motor Totally Enclosed Fan-Cooled (TEFC), 75 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	74 Motor Totally Enclosed Fan-Cooled (TEFC), 100 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	75 Motor Totally Enclosed Fan-Cooled (TEFC), 125 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	76 Motor Totally Enclosed Fan-Cooled (TEFC), 150 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	77 Motor Totally Enclosed Fan-Cooled (TEFC), 200 HP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	78 Transformer Size 15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	79 Transformer Size 30	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	80 Transformer Size 45	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	81 Transformer Size 75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	82 Transformer Size 112.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	83 Transformer Size 150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	84 Transformer Size 225	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	85 Transformer Size 300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	86 Transformer Size 500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	87 Transformer Size 750	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	88 Transformer Size 1000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	89 Unitary AC Single Phase <= 5.4 Tons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	2008 Electricity Retrofit Incentive	Business	2008	Final	90 Unitary AC 3 Phase <= 5.4 Tons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			

28	2008 Toronto Comprehensive	Business	2008	Final	1	City of Toronto - Better Building Partnership Project	Custom	Custom	Custom	Custom	100%	100%	100%	100%	100%	Custom	n/a	n/a
28	2008 Toronto Comprehensive	Business	2008	Final	2	Toronto Hydro - Business Incentive Program Project	Custom	Custom	Custom	Custom	100%	100%	100%	100%	100%	Custom	n/a	n/a
28	2008 Toronto Comprehensive	Business	2008	Final	3	Building Owners & Managers Association - Toronto Pro	Custom	Custom	Custom	Custom	100%	100%	100%	100%	100%	Custom	n/a	n/a
29	2008 High Performance New Construction	Business	2008	Final	1	Custom New Construction Project	Custom	Custom	Custom	14	Custom	100%	100%	100%	100%	Custom	n/a	n/a
30	2008 Power Savings Blitz	Business	2008	Final	1	T8 Fixture With Electronic Ballast	0.02	151	15	93%	100%	100%	100%	100%	93%	18,026	0	0
30	2008 Power Savings Blitz	Business	2008	Final	2	Energy Star® rated LED Exit Sign	0.03	237	16	93%	100%	100%	100%	100%	93%	287	0	0
30	2008 Power Savings Blitz	Business	2008	Final	3	Energy Star® rated CLF	0.03	191	2	93%	100%	100%	100%	100%	93%	3,256	0	0
30	2008 Power Savings Blitz	Business	2008	Final	4	Electric Water Heater Tank Wrap	0.05	436	7	93%	100%	100%	100%	100%	93%	53	0	0
30	2008 Power Savings Blitz	Business	2008	Final	5	Electric Water Heater Pipe Insulation	0.03	277	15	93%	100%	100%	100%	100%	93%	35	0	0
30	2008 Power Savings Blitz	Business	2008	Final	6	Aerator	0.03	310	5	93%	100%	100%	100%	100%	93%	1	0	0
30	2008 Power Savings Blitz	Business	2008	Final	7	Halogen	1.96	14	1	93%	100%	100%	100%	100%	93%	0	0	0
30	2008 Power Savings Blitz	Business	2008	Final	8	Other	0.00	0	0	100%	100%	100%	100%	100%	100%	1,775	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	1	Mixed Use Facility	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	1	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	2	University Campus	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	3	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	3	Hospital	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	1	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	4	Commercial Office Tower	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	1	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	5	Industrial/Manufacturing Facility	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	0	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	6	City Government Central Utilities Plant	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	1	0	0
31	2008 Chiller Plant Re-Commissioning	Business	2008	Final	7	Hotel	TBD	TBD	TBD	70%	100%	100%	100%	100%	70%	1	0	0
32	2008 Demand Response 1	Industrial, Business	2008	Final	1	Voluntary Load Shedding Project	Custom	Custom	Custom	1	100%	100%	100%	100%	100%	n/a	n/a	n/a
33	2008 Demand Response 3	Industrial, Business	2008	Final	1	Contractual Load Shedding Project	Custom	Custom	Custom	5	100%	100%	100%	100%	100%	n/a	n/a	n/a
34	2008 Other Demand Response	Industrial, Business	2008	Final	1	Loblaw Contract	Custom	Custom	Custom	1	100%	100%	100%	100%	100%	n/a	n/a	n/a
34	2008 Other Demand Response	Industrial, Business	2008	Final	2	Rodan Contract	Custom	Custom	Custom	1	100%	100%	100%	100%	100%	n/a	n/a	n/a
35	2008 LDC Custom	Consumer, Business, Industrial, Low-Income	2008	Final	1	Hydro One Networks - Double Return	52,000.00	0	1	100%	100%	100%	100%	100%	100%	n/a	n/a	n/a
36	2008 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2008	Final	1	Hydro	Custom	Custom	Custom	20	100%	100%	100%	100%	100%	0	0	0
36	2008 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2008	Final	2	Wind	Custom	Custom	Custom	20	100%	100%	100%	100%	100%	7	0	0
36	2008 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2008	Final	3	Solar Photo-Voltaic	Custom	Custom	Custom	20	100%	100%	100%	100%	100%	116	4	0
36	2008 Renewable Energy Standard Offer	Consumer, Business, Industrial, Low-Income	2008	Final	4	Bio-Energy	Custom	Custom	Custom	20	100%	100%	100%	100%	100%	2	0	0
37	2008 Other Customer Based Generation	Consumer, Business, Industrial, Low-Income	2008	Final	1	Combined Heat & Power / By-Product	Custom	Custom	Custom	20	100%	100%	100%	100%	100%	2	0	0

#	Local Distribution Company
1	Atikokan Hydro Inc.
2	Attawapiskat First Nation
3	Attawapiskat Power Corporation
4	Barrie Hydro Distribution Inc.
5	Bluewater Power Distribution Corporation
6	Brant County Power Inc.
7	Brantford Power Inc.
8	Burlington Hydro Inc.
9	COLLUS Power Corp.
10	Cambridge and North Dumfries Hydro Inc.
11	Canadian Niagara Power Inc.
12	Centre Wellington Hydro Ltd.
13	Chapleau Public Utilities Corporation
14	Chatham-Kent Hydro Inc.
15	Clinton Power Corporation
16	Cooperative Hydro Embrun Inc.
17	Cornwall Street Railway Light and Power Company Limited
18	Dubreuil Forest Products Ltd.
19	Dutton Hydro Limited
20	E.L.K. Energy Inc.
21	ENWIN Utilities Ltd.
22	Enersource Hydro Mississauga Inc.
23	Erie Thames Powerlines Corporation
24	Espanola Regional Hydro Distribution Corporation
25	Essex Powerlines Corporation
26	Festival Hydro Inc.
27	Fort Albany First Nation
28	Fort Albany Power Corporation
29	Fort Frances Power Corporation
30	Grand Valley Energy Inc
31	Great Lakes Power Limited
32	Greater Sudbury Hydro Inc.
33	Grimsby Power Incorporated
34	Guelph Hydro Electric Systems Inc.
35	Haldimand County Hydro Inc.
36	Halton Hills Hydro Inc.
37	Hearst Power Distribution Company Limited
38	Horizon Utilities Corporation
39	Hydro 2000 Inc.
40	Hydro Hawkesbury Inc.
41	Hydro One Brampton Networks Inc.
42	Hydro One Networks Inc.
43	Hydro One Networks Inc./Cat Lake Power Community
44	Hydro One Remote Communities Inc.
45	Hydro Ottawa Limited
46	Innisfil Hydro Distribution Systems Limited
47	Kashechewan First Nation
48	Kashechewan Power Corporation
49	Kenora Hydro Electric Corporation Ltd.
50	Kingston Hydro Corporation
51	Kitchener-Wilmot Hydro Inc.
52	Lakefront Utilities Inc.
53	Lakeland Power Distribution Ltd.
54	London Hydro Inc.
55	Middlesex Power Distribution Corporation
56	Midland Power Utility Corporation
57	Milton Hydro Distribution Inc.
58	Newbury Power Inc.
59	Newmarket - Tay Power Distribution Ltd.
60	Niagara Peninsula Energy Inc.
61	Niagara-on-the-Lake Hydro Inc.
62	Norfolk Power Distribution Inc.
63	North Bay Hydro Distribution Limited
64	Northern Ontario Wires Inc.
65	Oakville Hydro Electricity Distribution Inc.
66	Orangeville Hydro Limited
67	Orillia Power Distribution Corporation
68	Oshawa PUC Networks Inc.
69	Ottawa River Power Corporation
70	PUC Distribution Inc.
71	Parry Sound Power Corporation
72	Peterborough Distribution Incorporated
73	Port Colborne Hydro Inc.
74	PowerStream Inc.
75	Renfrew Hydro Inc.
76	Rideau St. Lawrence Distribution Inc.
77	Sioux Lookout Hydro Inc.
78	St. Thomas Energy Inc.
79	Thunder Bay Hydro Electricity Distribution Inc.
80	Tillsonburg Hydro Inc.
81	Toronto Hydro-Electric System Limited
82	Veridian Connections Inc.
83	Wasaga Distribution Inc.
84	Waterloo North Hydro Inc.
85	Welland Hydro-Electric System Corp.
86	Wellington North Power Inc.
87	West Coast Huron Energy Inc.
88	West Perth Power Inc.
89	Westario Power Inc.
90	Whitby Hydro Electric Corporation
91	Woodstock Hydro Services Inc.
Total	

2006 Residential Peak Load (kW)	2006 Residential Peak Load (%)	2006 Residential Energy Throughput (kWh)	2006 Residential Energy Throughput (%)	2006 Non-Residential Peak Load (kW)	2006 Non-Residential Peak Load (%)
n/a	n/a	11,400,673	0.03%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	530,557,254	1.32%	n/a	n/a
n/a	n/a	261,470,152	0.65%	n/a	n/a
n/a	n/a	79,563,205	0.20%	n/a	n/a
n/a	n/a	284,501,278	0.71%	n/a	n/a
n/a	n/a	551,419,663	1.37%	n/a	n/a
n/a	n/a	110,110,859	0.27%	n/a	n/a
n/a	n/a	389,897,758	0.97%	n/a	n/a
n/a	n/a	143,693,705	0.36%	n/a	n/a
n/a	n/a	44,421,203	0.11%	n/a	n/a
n/a	n/a	14,654,854	0.04%	n/a	n/a
n/a	n/a	239,607,514	0.60%	n/a	n/a
n/a	n/a	12,656,005	0.03%	n/a	n/a
n/a	n/a	19,799,972	0.05%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	409,958	0.00%	n/a	n/a
n/a	n/a	91,182,112	0.23%	n/a	n/a
n/a	n/a	655,143,475	1.63%	n/a	n/a
n/a	n/a	1,603,332,097	3.98%	n/a	n/a
n/a	n/a	116,103,693	0.29%	n/a	n/a
n/a	n/a	32,486,898	0.08%	n/a	n/a
n/a	n/a	284,492,550	0.71%	n/a	n/a
n/a	n/a	142,060,467	0.35%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	38,401,315	0.10%	n/a	n/a
n/a	n/a	5,683,369	0.01%	n/a	n/a
n/a	n/a	91,383,636	0.23%	n/a	n/a
n/a	n/a	397,678,409	0.99%	n/a	n/a
n/a	n/a	85,590,583	0.21%	n/a	n/a
n/a	n/a	357,495,622	0.89%	n/a	n/a
n/a	n/a	172,359,424	0.43%	n/a	n/a
n/a	n/a	200,925,506	0.50%	n/a	n/a
n/a	n/a	26,681,677	0.07%	n/a	n/a
n/a	n/a	1,654,664,050	4.11%	n/a	n/a
n/a	n/a	15,223,723	0.04%	n/a	n/a
n/a	n/a	54,802,923	0.14%	n/a	n/a
n/a	n/a	1,075,118,931	2.67%	n/a	n/a
n/a	n/a	12,237,925,130	30.40%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	2,226,415,669	5.53%	n/a	n/a
n/a	n/a	157,140,654	0.39%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	39,159,513	0.10%	n/a	n/a
n/a	n/a	200,214,258	0.50%	n/a	n/a
n/a	n/a	644,108,007	1.60%	n/a	n/a
n/a	n/a	67,942,208	0.17%	n/a	n/a
n/a	n/a	78,930,880	0.20%	n/a	n/a
n/a	n/a	1,088,755,114	2.70%	n/a	n/a
n/a	n/a	57,128,547	0.14%	n/a	n/a
n/a	n/a	43,734,088	0.11%	n/a	n/a
n/a	n/a	197,466,598	0.49%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	262,995,579	0.65%	n/a	n/a
n/a	n/a	449,386,643	1.12%	n/a	n/a
n/a	n/a	63,805,148	0.16%	n/a	n/a
n/a	n/a	139,960,236	0.35%	n/a	n/a
n/a	n/a	207,199,584	0.51%	n/a	n/a
n/a	n/a	43,040,214	0.11%	n/a	n/a
n/a	n/a	569,566,301	1.41%	n/a	n/a
n/a	n/a	79,376,454	0.20%	n/a	n/a
n/a	n/a	108,206,276	0.27%	n/a	n/a
n/a	n/a	465,431,095	1.16%	n/a	n/a
n/a	n/a	75,536,829	0.19%	n/a	n/a
n/a	n/a	335,395,539	0.83%	n/a	n/a
n/a	n/a	33,103,725	0.08%	n/a	n/a
n/a	n/a	290,645,501	0.72%	n/a	n/a
n/a	n/a	63,748,755	0.16%	n/a	n/a
n/a	n/a	2,003,371,840	4.98%	n/a	n/a
n/a	n/a	30,640,237	0.08%	n/a	n/a
n/a	n/a	44,343,815	0.11%	n/a	n/a
n/a	n/a	31,452,628	0.08%	n/a	n/a
n/a	n/a	113,523,979	0.28%	n/a	n/a
n/a	n/a	346,415,246	0.86%	n/a	n/a
n/a	n/a	52,306,081	0.13%	n/a	n/a
n/a	n/a	5,351,746,739	13.29%	n/a	n/a
n/a	n/a	929,432,918	2.31%	n/a	n/a
n/a	n/a	73,495,682	0.18%	n/a	n/a
n/a	n/a	391,947,018	0.97%	n/a	n/a
n/a	n/a	169,952,289	0.42%	n/a	n/a
n/a	n/a	25,536,958	0.06%	n/a	n/a
n/a	n/a	27,222,139	0.07%	n/a	n/a
n/a	n/a		0.00%	n/a	n/a
n/a	n/a	207,243,931	0.51%	n/a	n/a
n/a	n/a	337,897,948	0.84%	n/a	n/a
n/a	n/a	104,833,112	0.26%	n/a	n/a
n/a	n/a	40,262,655,618	100.00%	n/a	n/a



2006 Non-Residential Energy Throughput (kWh)	2006 Non-Residential Energy Throughput (%)	2007 Residential Peak Load (kW)	2007 Residential Peak Load (%)	2007 Residential Energy Throughput (kWh)	2007 Residential Energy Throughput (%)	2007 Non-Residential Peak Load (kW)	2007 Non-Residential Peak Load (%)	2007 Non-Residential Energy Throughput (kWh)	2007 Non-Residential Energy Throughput (%)
34,099,588	0.04%	n/a	n/a	11,858,778	0.03%	n/a	n/a	31,082,191	0.04%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
937,360,428	1.20%	n/a	n/a	548,016,272	1.33%	n/a	n/a	940,740,837	1.14%
842,737,021	1.08%	n/a	n/a	264,836,003	0.64%	n/a	n/a	855,922,144	1.04%
145,133,733	0.19%	n/a	n/a	81,004,255	0.20%	n/a	n/a	207,717,221	0.25%
680,671,928	0.87%	n/a	n/a	298,531,289	0.73%	n/a	n/a	741,598,484	0.90%
1,182,280,000	1.51%	n/a	n/a	567,063,035	1.38%	n/a	n/a	1,199,736,238	1.45%
225,767,061	0.29%	n/a	n/a	113,589,579	0.28%	n/a	n/a	215,072,148	0.26%
1,175,499,726	1.50%	n/a	n/a	395,062,443	0.96%	n/a	n/a	1,165,105,313	1.41%
215,257,881	0.27%	n/a	n/a	143,862,348	0.35%	n/a	n/a	215,810,521	0.26%
104,851,041	0.13%	n/a	n/a	46,699,194	0.11%	n/a	n/a	111,831,932	0.14%
13,456,323	0.02%	n/a	n/a	15,018,918	0.04%	n/a	n/a	13,186,691	0.02%
615,842,408	0.79%	n/a	n/a	236,072,777	0.57%	n/a	n/a	601,416,856	0.73%
5,883,572	0.01%	n/a	n/a	12,522,951	0.03%	n/a	n/a	18,085,796	0.02%
9,670,245	0.01%	n/a	n/a	19,386,628	0.05%	n/a	n/a	9,298,043	0.01%
3,316,831	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
104,680,214	0.13%	n/a	n/a		0.00%	n/a	n/a		0.00%
244,729,136	0.31%	n/a	n/a		0.00%	n/a	n/a		0.00%
45,502,520	0.06%	n/a	n/a	94,171,770	0.23%	n/a	n/a	160,761,797	0.19%
244,729,136	0.31%	n/a	n/a	664,998,752	1.62%	n/a	n/a	1,903,884,798	2.31%
6,490,116,773	8.28%	n/a	n/a	1,632,816,129	3.97%	n/a	n/a	6,605,288,225	8.00%
36,572,686	0.05%	n/a	n/a	116,256,740	0.28%	n/a	n/a	291,852,488	0.35%
30,450,548	0.04%	n/a	n/a	32,040,530	0.08%	n/a	n/a	31,021,479	0.04%
148,696,240	0.19%	n/a	n/a	280,966,066	0.68%	n/a	n/a	279,180,331	0.34%
471,908,335	0.60%	n/a	n/a	143,658,315	0.35%	n/a	n/a	468,128,577	0.57%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
42,879,081	0.05%	n/a	n/a	39,011,690	0.09%	n/a	n/a	43,615,480	0.05%
2,812,411	0.00%	n/a	n/a	5,786,652	0.01%	n/a	n/a	3,568,735	0.00%
102,068,591	0.13%	n/a	n/a	92,360,867	0.22%	n/a	n/a	109,854,997	0.13%
535,059,474	0.68%	n/a	n/a	405,736,204	0.99%	n/a	n/a	543,747,565	0.66%
18,314,103	0.02%	n/a	n/a	86,770,666	0.21%	n/a	n/a	88,449,813	0.11%
1,264,636,266	1.61%	n/a	n/a	358,331,164	0.87%	n/a	n/a	1,269,317,570	1.54%
185,282,283	0.24%	n/a	n/a	173,795,327	0.42%	n/a	n/a	183,754,191	0.22%
271,457,391	0.35%	n/a	n/a	208,287,499	0.51%	n/a	n/a	311,739,725	0.38%
87,318,533	0.11%	n/a	n/a	28,317,089	0.07%	n/a	n/a	82,118,980	0.10%
3,638,046,674	4.64%	n/a	n/a	1,666,789,557	4.06%	n/a	n/a	4,575,455,672	5.54%
10,268,966	0.01%	n/a	n/a	15,036,848	0.04%	n/a	n/a	9,877,930	0.01%
143,819,890	0.18%	n/a	n/a	56,403,314	0.14%	n/a	n/a	145,226,883	0.18%
2,744,176,570	3.50%	n/a	n/a	1,141,600,000	2.78%	n/a	n/a	2,798,700,000	3.39%
9,935,112,037	12.68%	n/a	n/a	12,620,681,000	30.71%	n/a	n/a	10,298,799,000	12.47%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
5,188,092,986	6.62%	n/a	n/a	2,234,039,085	5.44%	n/a	n/a	5,255,181,082	6.36%
28,964,493	0.04%	n/a	n/a	156,705,342	0.38%	n/a	n/a	71,986,330	0.09%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
	0.00%	n/a	n/a		0.00%	n/a	n/a		0.00%
68,402,801	0.09%	n/a	n/a	39,142,088	0.10%	n/a	n/a	70,186,402	0.08%
531,028,042	0.68%	n/a	n/a	221,960,966	0.54%	n/a	n/a	497,012,043	0.60%
1,309,299,590	1.67%	n/a	n/a	660,550,766	1.61%	n/a	n/a	1,312,172,498	1.59%
213,381,240	0.27%	n/a	n/a	74,685,958	0.18%	n/a	n/a	215,906,659	0.26%
45,933,794	0.06%	n/a	n/a	78,209,625	0.19%	n/a	n/a	135,514,735	0.16%
2,244,907,930	2.87%	n/a	n/a	1,117,283,048	2.72%	n/a	n/a	2,246,550,773	2.72%
145,163,360	0.19%	n/a	n/a	57,541,659	0.14%	n/a	n/a	139,592,176	0.17%
177,618,443	0.23%	n/a	n/a	47,886,438	0.12%	n/a	n/a	175,517,601	0.21%
439,013,389	0.56%	n/a	n/a	218,633,202	0.53%	n/a	n/a	470,712,726	0.57%
	0.00%	n/a	n/a	463,355	0.00%	n/a	n/a	606,285	0.00%
93,266,581	0.12%	n/a	n/a	270,904,453	0.66%	n/a	n/a	96,866,788	0.12%
809,188,538	1.03%	n/a	n/a	423,910,347	1.03%	n/a	n/a	853,493,894	1.03%
111,101,732	0.14%	n/a	n/a	65,561,722	0.16%	n/a	n/a	112,958,244	0.14%
237,962,119	0.30%	n/a	n/a	142,543,771	0.35%	n/a	n/a	236,960,151	0.29%
349,174,613	0.45%	n/a	n/a	213,131,701	0.52%	n/a	n/a	353,433,822	0.43%
91,314,990	0.12%	n/a	n/a	43,226,412	0.11%	n/a	n/a	87,800,701	0.11%
994,238,859	1.27%	n/a	n/a	592,214,968	1.44%	n/a	n/a	1,015,760,199	1.23%
160,927,606	0.21%	n/a	n/a	80,135,717	0.19%	n/a	n/a	165,400,748	0.20%
209,218,547	0.27%	n/a	n/a	109,590,116	0.27%	n/a	n/a	208,616,563	0.25%
632,361,055	0.81%	n/a	n/a	495,109,283	1.20%	n/a	n/a	685,818,845	0.83%
116,088,912	0.15%	n/a	n/a	75,938,194	0.18%	n/a	n/a	84,784,890	0.10%
353,865,433	0.45%	n/a	n/a	338,874,337	0.82%	n/a	n/a	355,019,853	0.43%
51,649,272	0.07%	n/a	n/a	34,279,947	0.08%	n/a	n/a	54,561,642	0.07%
512,167,589	0.65%	n/a	n/a	286,683,602	0.70%	n/a	n/a	525,620,624	0.64%
131,007,820	0.17%	n/a	n/a	65,276,304	0.16%	n/a	n/a	125,625,452	0.15%
4,700,083,921	6.00%	n/a	n/a	2,039,498,572	4.96%	n/a	n/a	4,749,900,082	5.75%
65,574,034	0.08%	n/a	n/a	31,007,901	0.08%	n/a	n/a	67,121,871	0.08%
22,573,648	0.03%	n/a	n/a	45,086,486	0.11%	n/a	n/a	67,416,920	0.08%
60,136,389	0.08%	n/a	n/a	32,814,076	0.08%	n/a	n/a	57,375,461	0.07%
250,600,744	0.32%	n/a	n/a	119,400,889	0.29%	n/a	n/a	244,392,868	0.30%
681,186,819	0.87%	n/a	n/a	344,508,404	0.84%	n/a	n/a	669,420,045	0.81%
175,367,100	0.22%	n/a	n/a	52,893,412	0.13%	n/a	n/a	183,570,981	0.22%
20,069,911,519	25.61%	n/a	n/a	5,332,356,184	12.97%	n/a	n/a	20,316,766,672	24.60%
1,583,103,519	2.02%	n/a	n/a	960,984,164	2.34%	n/a	n/a	1,566,734,483	1.90%
31,661,531	0.04%	n/a	n/a	78,007,343	0.19%	n/a	n/a	35,464,935	0.04%
922,560,313	1.18%	n/a	n/a	405,071,611	0.99%	n/a	n/a	954,721,743	1.16%
314,737,340	0.40%	n/a	n/a	162,857,785	0.40%	n/a	n/a	300,569,977	0.36%
68,059,736	0.09%	n/a	n/a	25,027,983	0.06%	n/a	n/a	69,405,347	0.08%
119,067,345	0.15%	n/a	n/a	26,672,783	0.06%	n/a	n/a	117,989,487	0.14%
	0.00%	n/a	n/a	15,466,784	0.04%	n/a	n/a	46,047,710	0.06%
243,567,288	0.31%	n/a	n/a	213,039,032	0.52%	n/a	n/a	246,987,034	0.30%
511,216,232	0.65%	n/a	n/a	347,926,496	0.85%	n/a	n/a	511,966,838	0.62%
300,154,329	0.38%	n/a	n/a	104,412,330	0.25%	n/a	n/a	287,974,277	0.35%
78,355,367,185	100.00%	n/a	n/a	41,098,855,290	100.00%	n/a	n/a	82,578,437,108	100.00%

2008 Residential Peak Load (kW)	2008 Residential Peak Load (%)	2008 Residential Energy Throughput (kWh)	2008 Residential Energy Throughput (%)	2008 Non- Residential Peak Load (kW)	2008 Non- Residential Peak Load (%)	2008 Non- Residential Energy Throughput (kWh)	2008 Non- Residential Energy Throughput (%)
n/a	n/a	11,183,350	0.03%	n/a	n/a	14,843,605	0.02%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	547,117,234	1.35%	n/a	n/a	980,805,847	1.21%
n/a	n/a	261,354,534	0.64%	n/a	n/a	821,568,128	1.02%
n/a	n/a	79,817,804	0.20%	n/a	n/a	200,988,235	0.25%
n/a	n/a	291,972,257	0.72%	n/a	n/a	719,465,778	0.89%
n/a	n/a	557,752,794	1.37%	n/a	n/a	1,158,340,390	1.43%
n/a	n/a	114,695,863	0.28%	n/a	n/a	205,759,520	0.25%
n/a	n/a	384,779,246	0.95%	n/a	n/a	1,125,532,050	1.39%
n/a	n/a	141,136,541	0.35%	n/a	n/a	206,108,617	0.25%
n/a	n/a	44,627,090	0.11%	n/a	n/a	113,895,413	0.14%
n/a	n/a	15,056,281	0.04%	n/a	n/a	13,204,594	0.02%
n/a	n/a	232,973,162	0.57%	n/a	n/a	578,228,629	0.71%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	19,644,024	0.05%	n/a	n/a	9,451,266	0.01%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	93,091,229	0.23%	n/a	n/a	157,019,403	0.19%
n/a	n/a	637,053,725	1.57%	n/a	n/a	1,801,822,532	2.23%
n/a	n/a	1,590,715,870	3.92%	n/a	n/a	6,464,408,854	7.99%
n/a	n/a	115,637,295	0.28%	n/a	n/a	278,295,099	0.34%
n/a	n/a	32,354,293	0.08%	n/a	n/a	30,605,267	0.04%
n/a	n/a	261,929,749	0.65%	n/a	n/a	278,831,202	0.34%
n/a	n/a	140,987,205	0.35%	n/a	n/a	448,339,012	0.55%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	39,844,007	0.10%	n/a	n/a	42,938,079	0.05%
n/a	n/a	5,882,230	0.01%	n/a	n/a	3,097,510	0.00%
n/a	n/a	87,951,272	0.22%	n/a	n/a	89,322,297	0.11%
n/a	n/a	411,072,289	1.01%	n/a	n/a	546,788,157	0.68%
n/a	n/a	91,344,616	0.23%	n/a	n/a	87,677,058	0.11%
n/a	n/a	366,970,148	0.90%	n/a	n/a	1,223,442,614	1.51%
n/a	n/a	171,781,095	0.42%	n/a	n/a	177,498,802	0.22%
n/a	n/a	220,683,563	0.54%	n/a	n/a	276,894,738	0.34%
n/a	n/a	26,743,823	0.07%	n/a	n/a	56,718,432	0.07%
n/a	n/a	1,641,702,487	4.04%	n/a	n/a	4,317,582,512	5.34%
n/a	n/a	15,306,507	0.04%	n/a	n/a	10,138,585	0.01%
n/a	n/a	55,769,040	0.14%	n/a	n/a	138,066,467	0.17%
n/a	n/a	1,136,600,000	2.80%	n/a	n/a	2,748,900,000	3.40%
n/a	n/a	12,410,000,000	30.57%	n/a	n/a	9,990,000,000	12.35%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	2,226,078,653	5.48%	n/a	n/a	5,274,086,924	6.52%
n/a	n/a	158,043,498	0.39%	n/a	n/a	78,175,459	0.10%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	39,338,336	0.10%	n/a	n/a	69,225,456	0.09%
n/a	n/a	200,853,045	0.49%	n/a	n/a	535,320,723	0.66%
n/a	n/a	659,163,062	1.62%	n/a	n/a	1,257,832,920	1.56%
n/a	n/a	75,604,253	0.19%	n/a	n/a	205,196,563	0.25%
n/a	n/a	81,234,268	0.20%	n/a	n/a	136,289,494	0.17%
n/a	n/a	1,119,770,671	2.76%	n/a	n/a	2,189,969,229	2.71%
n/a	n/a	57,013,718	0.14%	n/a	n/a	132,646,565	0.16%
n/a	n/a	48,136,133	0.12%	n/a	n/a	166,162,739	0.21%
n/a	n/a	225,897,498	0.56%	n/a	n/a	476,230,193	0.59%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	268,062,456	0.66%	n/a	n/a	452,921,581	0.56%
n/a	n/a	400,445,564	0.99%	n/a	n/a	813,890,886	1.01%
n/a	n/a	63,512,671	0.16%	n/a	n/a	109,639,488	0.14%
n/a	n/a	140,646,761	0.35%	n/a	n/a	230,446,897	0.28%
n/a	n/a	213,813,392	0.53%	n/a	n/a	349,313,014	0.43%
n/a	n/a	41,990,761	0.10%	n/a	n/a	78,987,933	0.10%
n/a	n/a	588,349,444	1.45%	n/a	n/a	991,360,456	1.23%
n/a	n/a	79,576,857	0.20%	n/a	n/a	159,288,984	0.20%
n/a	n/a	109,814,584	0.27%	n/a	n/a	206,291,735	0.26%
n/a	n/a	493,225,543	1.22%	n/a	n/a	661,990,009	0.82%
n/a	n/a	78,434,655	0.19%	n/a	n/a	114,881,644	0.14%
n/a	n/a	347,363,230	0.86%	n/a	n/a	355,446,428	0.44%
n/a	n/a	34,188,975	0.08%	n/a	n/a	53,124,268	0.07%
n/a	n/a	288,028,301	0.71%	n/a	n/a	525,236,456	0.65%
n/a	n/a	64,024,829	0.16%	n/a	n/a	127,071,772	0.16%
n/a	n/a	2,077,903,209	5.12%	n/a	n/a	4,705,762,883	5.82%
n/a	n/a	31,465,398	0.08%	n/a	n/a	69,352,093	0.09%
n/a	n/a	44,465,236	0.11%	n/a	n/a	65,825,492	0.08%
n/a	n/a	33,587,664	0.08%	n/a	n/a	42,670,262	0.05%
n/a	n/a	120,297,987	0.30%	n/a	n/a	220,058,899	0.27%
n/a	n/a	351,645,318	0.87%	n/a	n/a	644,339,043	0.80%
n/a	n/a	51,050,818	0.13%	n/a	n/a	165,205,863	0.20%
n/a	n/a	5,215,687,193	12.85%	n/a	n/a	19,811,187,290	24.50%
n/a	n/a	942,451,035	2.32%	n/a	n/a	1,538,562,235	1.90%
n/a	n/a	76,997,980	0.19%	n/a	n/a	37,455,844	0.05%
n/a	n/a	405,533,476	1.00%	n/a	n/a	956,629,104	1.18%
n/a	n/a	157,955,849	0.39%	n/a	n/a	304,094,821	0.38%
n/a	n/a	25,485,646	0.06%	n/a	n/a	67,434,118	0.08%
n/a	n/a	26,528,425	0.07%	n/a	n/a	126,738,954	0.16%
n/a	n/a	0	0.00%	n/a	n/a	0	0.00%
n/a	n/a	213,227,356	0.53%	n/a	n/a	254,222,507	0.31%
n/a	n/a	346,038,642	0.85%	n/a	n/a	500,707,723	0.62%
n/a	n/a	110,536,185	0.27%	n/a	n/a	295,103,216	0.36%
n/a	n/a	40,588,999,198	100.00%	n/a	n/a	80,872,956,854	100.00%

## **ONE-TIME COSTS**

### **Interrogatory #39**

**Reference:** *Exhibit 4/Tab 2/Schedule 6*

***a) Will the operating expenses savings due to converting to the HST not be realized in every year going forward?***

Yes – the operating expenses savings due to converting to the HST should be realized in every year going forward. The total yearly savings is shown in the 2011 Test year as a credit to expense account 5625 – Administrative Expense Transferred – Credit.

***b) Please indicate how Kingston estimated the savings of \$38,417.***

Kingston Hydro estimated the savings related to the operating expenses previously subject to PST that are now subject to HST to be \$38,417 based on the following assumptions:

- There was no tax on salaries and wages expenses
- There was no tax on internal charges; for example inventory issued from the warehouse, allocation of administration costs
- PST did not apply to fees, subscriptions, memberships, advertising, postage and shipping, mileage, legal services, education and training, consultants, software support, utilities, rents, and license fees in the past.

Kingston Hydro's expense accounts were reviewed based on the above-noted assumptions to determine which accounts were subject to PST in the past, which expense accounts would now be subject to HST, and what the savings estimate would be for OM&A. It was determined that the estimated savings would \$38,417 which represents PST amounts that are now recoverable under the new harmonized sales tax.

Kingston Hydro did not undertake a review of the potential savings as it related to capital expenditures. This is because any "savings" that occurs as a rebate from a taxing authority on Capital work would be utilized by reinvesting those savings back into the Applicants Capital program. Therefore there are no savings to the Corporation but the recovery of HST would simply help speed up the infrastructure renewal program.

***c) Please provide the estimated capital spending savings due to conversion to the HST for 2010 and for 2011.***

Kingston Hydro estimates no capital spending savings due to conversion to the HST for 2010 and 2011. Any inherent savings will result in more capital infrastructure work being done up to the threshold established for 2010 of \$4,446,000 and for 2011 of \$4,513,000. That is, the savings is included in the spending threshold for each year.