St. Thomas energy inc.
We're Your Local Power Distributor

a division of **Ascent**

St. Thomas Energy Inc.
135 Edward St.
St. Thomas, ON
N5P 4A8

September 9, 2014

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

Re: St Thomas Energy Inc. EB-2014-0113
2015 Cost of Service Electricity Distribution Rate Application
Responses to Interrogatories

Dear Ms. Walli:

In accordance with PO1, please find accompanying this letter, STEI's responses to interrogatories submitted by Board staff and intervenors. An electronic copy of these responses has been filed via the Board's Regulatory Electronic Submission System.

Please contact the undersigned if you have any questions with regard to STEI's submission.

Yours Truly,
St. Thomas Energy Inc.

Robert Kent, CPA, CGA
Director, Finance and Regulatory Affairs
rkent@sttenergy.com
(519) 631- 5550 x 5258

St. Thomas Energy Inc.

2015 Cost of Service

Response to VECC Interrogatories

EB-2014-0113

Rates Effective: January 1, 2015

Date Filed: September 9, 2014

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File Number: EB-2014-0113

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Exhibit 1

1.0-VECC-1

Reference: E1/T5/S2/pg.5 & E4/T1/S9

a) Is St. Thomas-Elgin Ontario Works, STEI's LEAP partner? If not please identify the Utility's LEAP partner.

Response:

STEI confirms that its LEAP partner is Thomas-Elgin Ontario Works

1.0-VECC-2

Reference: E1\T1

a) Please provide the assumptions and source for the following information used in this application
   i. CPI
   ii. GDPI
   iii. STEI's IRM productivity factor
   iv. STEI's Stretch factor

Response:

STEI did not base the 2015TY increase in the above noted IRM factors. STEI's costs are based upon a 2.1% inflationary increase as follows:

The 2.1% inflation is a combination of a labour and benefit increase of approximately 2.5% and general inflation of approximately 1.7%.

Based upon STEI's cost structure it was determined that labour and benefits, (excluding retiree costs) represent 50% of total operating costs. STEI's collective agreement expired on May 1, 2014. Per Exhibit 4, tab 1, Schedule 4, page 2, the expiring contract included wage increases of 2% each May 1 and 1% each December 1, for the 2015TY so management assumed a labour and benefit increase of 2.5%.

The general inflation increase was based upon STEI's 2014 IRM EB-2013-0171 inflation factor of 1.7%. This was reviewed and compared to the OPSEU Ontario CPI Percentage Change the rate appeared reasonable.

Ontario CPI Percentage Change
From the Same Month a Year Previous

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2014	1.6	1.5	1.5	2.4	2.8	3.0							2.1

Total Inflation factor of 2.1% =

Labour 50% of 2.50% plus General Inflation 50% of 1.7%.

1.0-VECC-3

Reference: E1/T5/S2

a) Has STEI undertaken a customer survey since 2012? If so please provide the most recent customer survey and the detailed results?

b) Has STEI surveyed its customers with respect to its capital plan? If yes please provide those results

Response: See Jennifer and EP response 1-2

a) Yes, as noted in E1/T5/S2 page 2 UtilityPULSE conducted the 2014 survey in April of 2014. Following is a summary of the survey results, the actual survey results have been provided in response to Energy Probe IR 1-2.

St. Thomas Energy's UtilityPULSE Report Card®

Performance

	CATEGORY	St. Thomas Energy	National	Ontario
1	**Customer Care**	**B+**	**B+**	**B**
	Price and Value	B	B	C+
	Customer Service	A	B+	B
2	**Company Image**	**A**	**B+**	**B+**
	Company Leadership	A	B+	B+
	Corporate Stewardship	A	A	B+
3	**Management Operations**	**A**	**A**	**A**
	Operational Effectiveness	A	A	B+
	Power Quality and Reliability	A+	A	A
	OVERALL	**A**	**B+**	**B+**

b) No, STEI has not surveyed its customers with respect to its capital plan. As stated in response to Board staff IR 1-4, STEI did not solicit input from its customers in relation to the DSP. STEI's DSP is a continuation of the capital plan submitted in its 2011 COS EB-2010-0141.

1.0-VECC-4

Reference: E1\T5\S1

a) Does STEI track and categorize customer enquiries and complaints? If so please provide a summary of the annual results for 2011 through 2013.

Response:

Yes STEI does tracks and categorizes customer enquiries and complaints.

The following table provides the 2011 through 2013 enquiries.

Customer Enquiries

	2011	2012	2013
Billing	1,471	1,058	1,226
Collections	10,788	11,190	12,040
Complaints	114	23	36
Deposits	298	233	160
General Inquiry	6,928	5,759	5,463
Meters	56	2	0
Moves	672	646	524
OPA	149	26	11
Operations	40	37	39
Payments	4,506	3,823	3,744
Retailers	134	60	60
Total	**25,156**	**22,857**	**23,303**

1.0-VECC-5

Reference: E1\T5\S1

a) Does STEI carry out transactional customer surveys (e.g. after outages, a service call or a customer complaint)? If so please describe these and present the results.

Response:

a) No, STEI does not carryout transactional customer surveys.

1.0-VECC-6

Reference: E2/T1/S1/pg.3

a) What where the total lease or other fees in 2011 associated with the transferred assets in 2012 of $1,407,734?

Response:

There was no specific fee charged historically that was directly for the transferred assets. As noted in the 2011 Cost of Service Application, Ascent Energy Services Inc. (formerly St. Thomas Energy Services Inc.) performed all services on behalf of STEI which was, at the time, a virtual utility.

The previous cost of service application outlined that Ascent Energy Services Inc. performed services for STEI based on a Master Services Agreement ("former MSA") which addressed services that were performed based on a fixed fee, services that were incremental, services that were "pass through" expenses and all the capital work for STEI.

All equipment that was transferred to STEI were the assets that were associated to the STEI work and employees that were transferred.

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Exhibit 2

2.0-VECC-7

Reference: E2/T1/S2

a) Please provide the contributed capital amounts for 2010 through 2013.
b) Please explain how the contributed capital forecast for 2014 and 2015 derived.
c) What is the current actual and year-end forecast of the 2014 contributed capital.
d) Please explain why the forecast amount is below historical averages.

Response:

a) The contributed capital for the years 2010 through 2013 is provided in the following table.

Contributed capital			
2010	2011	2012	2013
384,529	266,363	318,521	596,144

b) The contributed capital forecast for 2014 and 2015 is based upon the known subdivisions for 2014. The new subdivisions for 2014 are Orchard Park Phase 4B and Dalewood Meadows Phase 7 totalling 100 lots. STEI assumed half of these would be in service in 2014 and the other half in 2015 at a capital contribution of $2,000 per lot.

c) Contributed capital as of July 31, 2014 is $53,489 and the forecast remains unchanged at $100,000.

d) The 2014BY and 2015TY amounts are below historical averages as a number of subdivisions are close to becoming finalized. In addition a large amount of contributed capital that was recorded on the balance sheet was recognized in 2012 and 2013 when STEI took over responsibility of the distribution system within those areas. Additionally recent subdivision plans, despite being in the municipality of St. Thomas, are adjacent to St. Thomas on Hydro One infrastructure and STEI has submitted a Service Area Amendment in order to obtain servicing of a major 8 phase subdivision. Hydro One has

indicated they will contest the SAA and as such STEI has not included this potential contributed capital in its forecast.

2.0-VECC-8

Reference: E2/T1/S4

a) Please provide the pole replacement capital expenditures for years 2011 through 2013. If pole replacement is incorporated into the voltage conversion projects in the years subsequent to 2012 please show how many poles (dressed) are anticipated (were) to be replaced in each of the years 2013 through 2019.

Response:

The majority of the poles are replaced as a component of the voltage conversion plan.

The following table provides the number of poles replace form 2010 through 2013.

Poles Replaced	2010	2011	2012	2013
Under voltage conversion	53	210	67	81
Outside of voltage conversion	23	4	2	3
Total	76	214	69	84

The following table provides the planned 2014 to 2019 planned pole replacement.

Poles Replaced	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**
Under voltage converson	135	117	130	96	88	105
Outside of voltage conversion	7	7	7	7	7	7
Total	**142**	**124**	**137**	**103**	**95**	**112**

2.0-VECC-9

Reference: E2/T1/S7

a) Please provide the actual fleet inventory as of July 1, 2014 and the anticipated purchases and retirements by December 30, 2014. Please provide the current forecast for the cost of fleet additions for 2014.

Response:

a) STEI has provided the fleet inventory as of July 31, 2014 as it includes a budgeted addition of a new radial boom derrick truck at a cost of $352,592.

Vehicle #	Vehicle Type	year
9556	Pole Trailer	1967
	Trailer	1968
9557	Pole Trailer	1980
9558	Box Trailer	1995
9560	Pole Trailer	2001
9101	Radial Boom Derrick	2011
9102	Single Bucket	2013
9103	Double Bucket	2008
9105	Single Bucket	1997
9119	Radial Boom Derrick	2014
9208	Pickup	2007
9209	Pickup	2003
9213	Dump Truck	2004
9214	Pickup	2011
9215	Pickup	2011
9228	Pickup	2011
9559	Mobile Substation	1998

2.0-VECC-10

Reference: E2/T1/S1/ Working Capital

a) Does STEI monthly or bi-monthly bill its customers? If the former has STEI reviewed the result of lead/lag studies undertaken by other electricity distribution utilities in Ontario that do monthly billing?

Response:

a) STEI bills it customer on a monthly basis. STEI has not reviewed the results of lead/lag studies undertaken by other electricity distribution utilities in Ontario.

2.0-VECC-11

Reference: E2/T1/S11

a) Please explain what metrics, service quality indicators or other benchmarks are being used to evaluate the success of the distribution system plan.

b) STEI's service reliability indicators (excluding loss of supply) do not show any improvement since 2009. Please explain how the plan presented in this application will rectify this.

Response:

a) As part of STEI's on-going practice of quality management, STEI meets quarterly to review various statistics and procedures, and any anomalies are also reviewed and discussed. The focus of these reviews is to ensure the continued ISO9001 certification. These reviews include:

- Product/Service Conformity – Customer Queries (Calls from customers regarding the distribution system which require dispatch of staff to inspect and/or deal with the problem)
- Unplanned Outages
- Planned Outages
- Reliability Statistics; SAIDI, SAIFI and CAIDI

As STEI is in the first year of its DSP, management will be reviewing what measures and indicators are available to determine the progress against the various components of the action plan in the DSP.

b) Service reliability indicators have not improved due to outages related to our 27.6kV system. See 2-Staff-15 b) for details.

Despite the fact that the number of outage incidents have decreased, the outage statistics are impacted by two factors, 1) number of customers impacted and 2) length of the customer outage.

The decreased outages have impacted a greater number of customers for a longer period of time. Typically 70% of the outages of been equipment failure related to external events such as ice storms, accidents and animal contact. STEI is of the opinion that its current capital and operating program does not need to be adjusted to address non system issue related outages

STEI is taking actions to improve its reliability. STEI would also like to note that despite the recent trend, STEI's indicators per the UPM study are better than the MEAN of the respondents. As the outages were not typically system equipment related, STEI's DSP goal is maintain the same excellent service levels that the customers are accustomed to.

2.0-VECC-12

Reference: E2/T1/S11

a) For only outages excluding loss of supply, please provide a table in the following format (or using any similar categories tracked by the Utility).

Description	2009 Totals	2010 Totals	2011 Totals	2012 Totals
Scheduled				
Supply Loss				
Tree Contact				
Lightning				
Def. Equip.(other than pole)				
Pole Failure				
Weather				
Animals, Vehicle				
Unknown				
Total				

Response:

STEI's table of outage excluding loss of supply is provided in the table on the following page

Unplanned Outages

Category	2009		2010		2011		2012	
	No. of Outages	# of Customers	No. of Outages	# of Customers	No. of Outages	# of Customers	No. of Outages	# of Customers
Animal - Contact	5	248	5	82	5	48	2	36
Cut UG Cables	0	0	0	0	0	0	0	0
Defective Equipment	12	4359	8	86	14	3191	9	15891
Human Element	1	12	3	254	0	0	0	0
Ice	0	0	0	0	8	605	0	0
Lightning	3	3	6	185	5	5870	1	1
Motor Vehicle	1	20	0	0	3	14	1	19
OH Contact	6	5282	2	3856	2	183	3	427
Overload	0	0	3	114	0	0	0	0
Rain	0	0	2	8	0	0	0	0
Transformer Fault	1	15	2	9	0	0	2	17
Tree-Non-Storm-Structual Failure Contact	0	0	0	0	1	11	4	43
Tree-Storm-Structural Failure Contact	1	100	3	4059	2	5822	5	76
Tree - Non-Storm - Growth Contact	0	0	0	0	0	0	0	0
Tree - Storm - Growth Contact	0	0	1	27	0	0	1	77
Unknown/Other	0	0	1	1	8	444	4	25
Vandalism/Sabotage					0	0	0	0
Wind	0	0	0	0	1	2	0	0
	30	10039	36	8681	49	16190	32	16612

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Exhibit 3

3.0-VECC-14

Reference: 3/T1/S3/Attachment 1, Schedule 1

a) With respect to Table 1.5, please provide the actual customer/connection count, by class, for 2012-2014 as of June 30th of each year.

Response:

a) The requested table based upon June 30th data is provided below.

Customers (Connections)			
Customer Class	**2012-06-30**	**2013-06-30**	**2014-06-30**
Residential	14,679	14,814	14,958
General Service < 50	1,651	1,717	1,725
General Service >= 50	194	143	140
Street Lighting	4,830	4,867	4,867
Sentinel Lighting	51	52	49
Total	**21,405**	**21,593**	**21,739**

3.0 –VECC -15

Reference: 3/T1/S3/Attachment 1, Schedule 2

a) Please explain why the period April 2005 to December 2012 was chosen for purposes of the Residential regression analysis (per page 1).

b) Please explain why Ontario employment was used as opposed to a more local indicator of employment levels (e.g. London) for the Residential regression analysis.

c) With respect to pages 4-5, please provide the Residential load forecast for 2015 based on the 20-year trend HDD and CDD values as opposed to the 10-year average.
With respect to Table 2.5, are there more recent Ontario Employment forecasts for 2014 and 2015? If so, please provide.

d) Please recalculate the 2013 normalized Residential usage but this time do so by:
Multiplying the difference between the actual and weather normal values for CDD and HDD by their respective coefficients, per Table 2.1.
Adding the results from (i) to the actual Residential load for 2013.

e) Please provide a schedule setting out the calculations undertaken.

Response:

a) April, 2005 was the first month where energy data was available for the regression.

b) The model was run with London FTEs as well as with Ontario FTEs. When run with Ontario FTEs, the coefficient is over 4 times the std. error. When run with London FTEs, the coefficient is barely 1.5 times the standard error. Therefore it was decided that the Ontario FTEs was a better indicator of employment for St. Thomas.

c) Please see 3-Energy Probe-12 Part c)

d) The most recent forecasts (in annual percentage change) are as follows:

	BMO (August 22, 2014)	RBC (June 2014)	Scotia (August 28, 2014)	TD (July 8, 2014)	Avg
2014	0.6	0.9	0.6	0.7	0.7
2015	1.0	1.4	1.0	1.3	1.2

e) The 2013 actual; weather normalized energy was 117,879,427 kWh. The derivation follows.

i. 3833.99 Normal HDD – 3894 observed HDD = - 60.01 HDD adjustment to normalize.
-60.01 HDD * 3616.83 = -217,046 HDD adjustment
280.86 Normal CDD – 274.6 observed CDD = 6.26 CDD adjustment to normalize
6.26 CDD * 25,790.59 = 161,449 CDD adjustment

ii. 117,935,024 kWh actual – 217,046 HDD adjustment + 161,449 CDD adjustment = 117,879,427 kWh Weather Normalized Actual.

3.0 –VECC -16

Reference: 3/T1/S3/Attachment 1, Schedule 3

a) With respect to page 2, were more local measures for full-time employment (e.g. London) tested? If not, why not?

b) With respect to pages 4-5, please provide the GS<50 load forecast for 2015 based on the 20-year trend HDD and CDD values as opposed to the 10-year average.

c) With respect to Table 3.5, please explain more fully how Elenchus determined that 50% of the Residential Geomean was the appropriate growth rate for GS<50 customers.

d) What would be the geomean growth rate for GS<50 if the customers reclassified in 2013 were removed from the analysis?

e) Please recalculate the 2013 normalized GS<50 usage but this time do so by:

i. Multiplying the difference between the actual and weather normal values for CDD and HDD by their respective coefficients, per Table 2.1.

ii. Adding the results from (i) to the actual GS<50 load for 2013.

Please provide a schedule setting out the calculations undertaken

Response:

a) London employment was tested, and did not show statistical significance.

b) Please see the response to 3-Energy Probe-13 Part a)

c) Please see the response to 3-Staff-18

d) If the 52 customers reclassified in 2013 were removed from the analysis, the Geometric mean growth rate of the GS < 50 class would be 1.02%. However, if 2007 and 2008 were also removed due to an unknown amount of USL re-classification into metering were removed as well, the growth rate would shrink to 0.02%.

e) The 2013 actual; weather normalized energy was 38,952,341 kWh. The derivation follows.

i. 3833.99 Normal HDD – 3894 observed HDD = - 60.01 HDD adjustment to normalize.
-60.01 HDD * 872.88 = -52,381 HDD adjustment
280.86 Normal CDD – 274.6 observed CDD = 6.26 CDD adjustment to normalize
6.26 CDD * 4766.76 = 29,840 CDD adjustment

ii. 38,974,882 kWh actual – 52,381 HDD adjustment + 29,840 CDD adjustment = 38,952,341 kWh Weather Normalized Actual.

3.0 –VECC -17

Reference: 3/T1/S3/Attachment 1, Schedule 4

a) Please confirm that the reference at page 1, line 14 is to May 2013.

b) With respect to page 3, were more local measures for full-time employment (e.g. London) tested? If not, why not?

c) How did Elenchus determine which months it would set the value of the "RecessionD" variable equal to 1.0?

d) With respect to pages 5-6, please provide the GS>50 load forecast for 2015 based on the 20-year trend HDD and CDD values as opposed to the 10-year average.

e) Please recalculate the 2013 normalized GS>50 usage but this time do so by:

i. Multiplying the difference between the actual and weather normal values for CDD and HDD by their respective coefficients, per Table 2.1.

ii. Adding the results from (i) to the actual GS>50 load for 2013.

Please provide a schedule setting out the calculations undertaken.

f) With respect to Table 4.7, please explain why the 2013 kW/kWh ratio was used as opposed to a ratio reflecting the historical average over a number of years.

Response:

a) Confirmed, the reference is to May, 2013.

b) London employment was tested, and did not show statistical significance.

c) The RecessionD variable was set to 1.0 for the months January to June, 2009, and set to 0 for all subsequent months. This time horizon was chosen in response to the initial low usage and rebound exhibited and rebound seen in 2009 in Chart 4.3.

d) Please see the response to 3-Energy Probe-14 Part a)

e) The 2013 actual; weather normalized energy was kWh. The derivation follows.

i. 3833.99 Normal HDD – 3894 observed HDD = - 60.01 HDD adjustment to normalize.

-60.01 HDD * 872.88 = -29,919 HDD adjustment

280.86 Normal CDD – 274.6 observed CDD = 6.26 CDD adjustment to normalize
6.26 CDD * 4766.76 = 54169 CDD adjustment

ii. 120,022,396 kWh actual – 29,919 HDD adjustment + 54,169 CDD adjustment = 120,046,646 kWh Weather Normalized Actual.

f) In light of the reclassifications to GS < 50, it is anticipated that 2013 as the most recent complete year will be more representative of the test year than a multi-year average.

3.0-VECC-18

Reference: 3/T1/S3/Attachment 1, Schedule 6

a) Please provide any OPA reports available regarding STEI's CDM results for 2013.

b) Please provide any information STEI has regarding the continuing levels of savings from the 2011-2014 programs in 2015.

c) What is the basis for the 1,500,000 kWh savings assumed in 2015 from 2015 programs (per Table 6.2)?

Response:

a) The CDM results for St. Thomas Energy Inc. to the end of 2013 are shown below. The OPA Final Verified results are attached.

OPA-Contracted Province-Wide CDM Programs Final Verified 2013 Results

LDC: St. Thomas Energy Inc.

FINAL 2013 Progress to Targets	2013 Incremental	Program-to-Date Progress to Target (Scenario 1)	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
Net Annual Peak Demand Savings (MW)	0.6	1.2	**31.4%**	**32.4%**
Net Energy Savings (GWh)	2.7	15.7	**105.2%**	**105.2%**

Scenario 1 = Assumes that demand response resources have a persistence of 1 year
Scenario 2 = Assumes that demand response resources remain in the LDC service territory until 2014

b) St. Thomas Energy Inc. has number of conservation projects in the system at various stages. STEI has over 40 saveONenergy retrofit projects in a pre-project approved status that have completion dates late this year and early in 2015.

c) For the three year period 2011-2013 STEI achieved total energy savings of 5,520,451 kWh [not cumulative], year 1 (1,244,938.94 kWh) year 2 (1,755,803.39kWh) year 3 (2,519,708.17 kWh).

The energy savings target for STEI for the time period 2015-2020 is 18,200,000 kWh for 6 years, noting that in the new Conservation First Framework the energy savings are not

cumulative through the years. The 1,500,000 kWh savings, 50% of annual OPA target, is conservative estimate, a more reasonable number would be 2,734,000 kWh based on achievable potential.

LDC: St. Thomas Energy Inc.

Incremental Net Energy Savings & Targets Assigned Summary (MWh)

	2011	2012	2013	2014 ŧ	2015	2016	2017	2018	2019	2020
Consumer Program	462	280	238	327						
Business Program	782	1,475	2,140	2,824						
Industrial Program	-	-	-	-						
Home Assistance Program	-	-	140	186						
Aboriginal Program	-	-	-	-						
Pre-2011 Programs	1	0	-	0						
Other*	-	7	-	2						
Residential Programs					928	866	990	1,052	1,114	1,238
Non-residential Programs					1,806	1,685	1,926	2,047	2,167	2,408
Total	1,245	1,763	2,518	3,339	2,734	2,552	2,916	3,099	3,281	3,645
Variance to meet 2011-14 savings target**				-	Allocated CDM Target (GWh)					18.2

*Other includes Program Enabled Savings and Adjustments
** Includes Demand Response
ŧ 2014 savings are forecasted based on past performance

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Tab: 4
Schedule: 5

Date Filed:September 9, 2014

Attachment 1 of 1

2013 Annual CDM

Message from the Vice President:

The OPA is pleased to provide you with the enclosed Final 2013 Verified Results Report.

2013 Report highlights:

- We have achieved 86% of our cumulative energy savings target and 48% of our annual peak demand savings target to date (Scenario 2).

  By the end of 2013, 42 LDCs have exceeded 80% of their energy target and 19 LDCs have met or exceeded their 2011-14 energy target.
- In 2013, LDCs have achieved over 600 GWh in savings, representing an increase of 20% over the 2012 net incremental energy savings results.
- The BUSINESS PROGRAM continues to generate strong interest and participation amongst business customers with significant savings results. 71% of total energy savings in 2013 came from the BUSINESS PROGRAM and its momentum continues. Also, as the program matures, we are seeing more and more studies in the PROCESS AND SYSTEMS pipeline converting to completed projects.
- Within 4 cents per kWh, Conservation programs continue to be a valuable and cost effective resource for customers across the province.

2013 has been a year of significant operational advancements centered around creating a better customer and LDC experience:

- A number of operational changes were made in 2013 to enhance processes, such as payment of LDC invoices streamlined to an average of 20 days, enhanced reporting and iCon updates to improve users' experience.
- Proactive updates to measures incentivized through saveONenergy have allowed programs to stay ahead of changing market conditions. Specifically in 2013, LEDs became popular measures in both the Consumer and Business programs.
- Technical tools also played a significant role in 2013, which included an updated Measure and Assumptions List as well as new and improved engineering worksheets for RETROFIT which allow customers to more easily access programs by building strong business cases based on latest estimates of savings potential.
- The Conservation Fund introduced the LDC Fast Track stream to support LDCs with innovative program ideas. 2013 LDC pilots included Oshawa PUC Networks Inc.'s retro-commissioning program, Toronto Hydro-Electric System Limited multi-unit demand response, and Niagara-on-the-Lake Hydro Inc.'s electric vehicles load shifting program.
- Key market sectors were also engaged in 2013 through Capability Building programs targeted at Home Builders and HVAC Installers to build conservation knowledge with these partners. Energy Efficiency Services Programs (EESPs) also provided valuable support to a variety of sectors.

The format of this report was developed in collaboration with the Reporting Working Group and is designed to help LDCs populate their 2013 Annual Reports that will be submitted to the OEB by September 30th. Any additional 2013 program activity not captured here will be reported in your Final 2014 Verified Results Report.

Please continue to monitor saveONenergy E-blasts for any further updates and should you have any other questions or comments please contact LDC.Support@powerauthority.on.ca.

We appreciate your ongoing collaboration and cooperation throughout the reporting and evaluation process. We look forward to another successful year in 2014.

Sincerely,

Andrew Pride

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OPA-Contracted Province-Wide CDM Programs Final Verified 2013 Results

LDC: St. Thomas Energy Inc.

FINAL 2013 Progress to Targets	2013 Incremental	Program-to-Date Progress to Target (Scenario 1)	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
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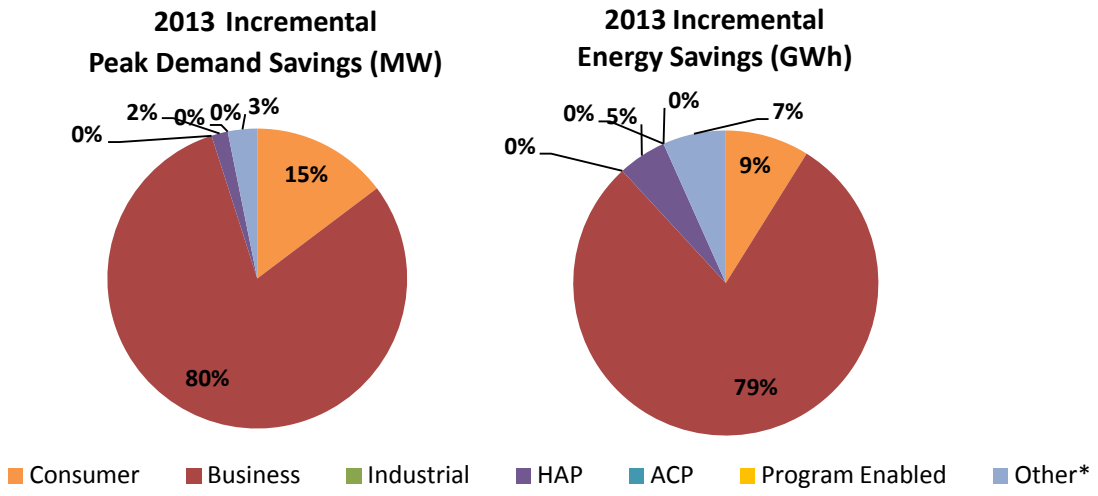
Net Energy Savings (GWh)	2.7	15.7	**105.2%**	**105.2%**

Scenario 1 = Assumes that demand response resources have a persistence of 1 year

Scenario 2 = Assumes that demand response resources remain in the LDC service territory until 2014

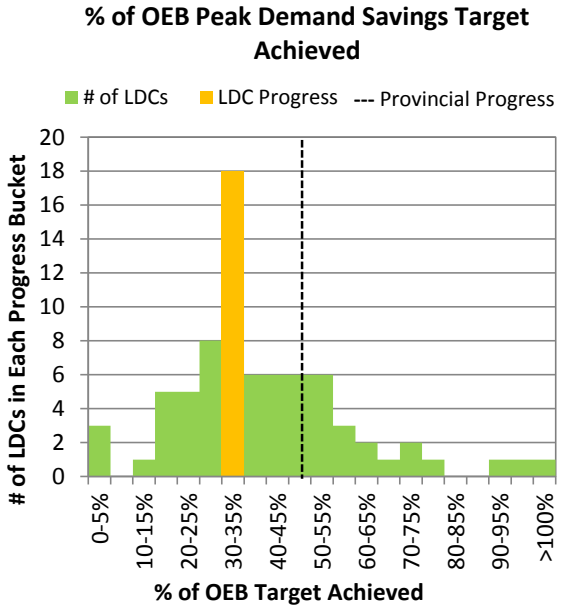
Achievement by Sector



**Other includes adjustments to previous years' results and savings from pre-2011 initiatives*

Comparison: LDC Achievement vs. LDC Community Achievement (Progress to Target)

The following graphs assume that demand response resources remain in the LDC service territory until 2014 (aligns with Scenario 2)



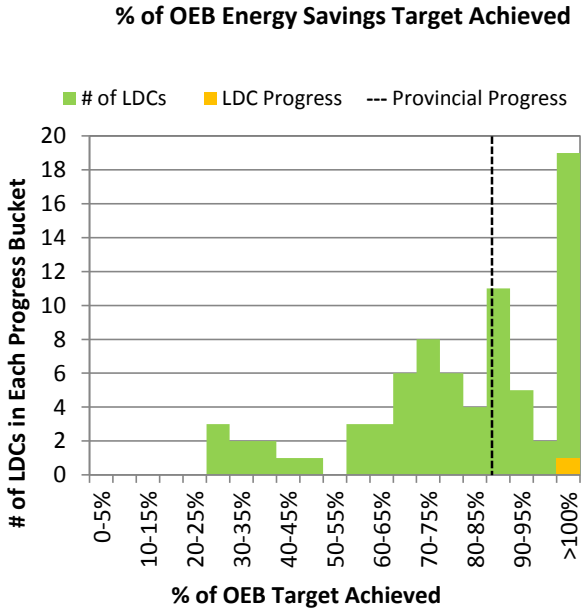


Table 1: St. Thomas Energy Inc. Initiative and Program Level Net Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
														2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014	2014
Consumer Program															
Appliance Retirement	Appliances	175	119	49		11	7	3		73,726	48,303	20,175		20	479,656
Appliance Exchange	Appliances	24	86	17		2	13	4		2,671	22,042	6,280		17	87,927
HVAC Incentives	Equipment	414	347	389		131	75	82		242,763	127,224	140,361		288	1,633,446
Conservation Instant Coupon Booklet	Items	1,506	91	1,020		3	1	2		56,382	4,110	22,655		6	283,167
Bi-Annual Retailer Event	Items	2,799	3,118	2,777		5	4	3		86,380	78,720	50,497		13	682,674
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	56	0	0		31	0	0		0	0	0		0	0
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential New Construction	Homes	0	0	0		0	0	0		0	0	0		0	0
Consumer Program Total						**185**	**99**	**94**		**461,921**	**280,399**	**239,969**		**344**	**3,166,871**
Business Program															
Retrofit	Projects	7	26	27		83	180	281		593,844	1,013,698	1,432,573		524	8,206,694
Direct Install Lighting	Projects	47	116	149		61	114	196		161,971	461,385	707,634		342	3,367,371
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	0	0	0		0	0	0		0	0	0		0	0
Energy Audit	Audits	0	0	0		0	0	0		0	0	0		0	0
Small Commercial Demand Response	Devices	6	0	0		4	0	0		0	0	0		0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	1	1	1		36	37	37		1,421	531	494		0	2,447
Business Program Total						**184**	**330**	**514**		**757,237**	**1,475,613**	**2,140,701**		**866**	**11,576,512**
Industrial Program															
Process & System Upgrades	Projects	0	0	0		0	0	0		0	0	0		0	0
Monitoring & Targeting	Projects	0	0	0		0	0	0		0	0	0		0	0
Energy Manager	Projects	0	0	0		0	0	0		0	0	0		0	0
Retrofit	Projects	2	0	0		4	0	0		26,362	0	0		4	105,446
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Industrial Program Total						**4**	**0**	**0**		**26,362**	**0**	**0**		**4**	**105,446**
Home Assistance Program															
Home Assistance Program	Homes	0	0	154		0	0	11		0	0	139,533		11	269,913
Home Assistance Program Total						**0**	**0**	**11**		**0**	**0**	**139,533**		**11**	**269,913**
Aboriginal Program															
Home Assistance Program	Homes	0	0	0		0	0	0		0	0	0		0	0
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Aboriginal Program Total						**0**	**0**	**0**		**0**	**0**	**0**		**0**	**0**
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	0	0	0		0	0	0		0	0	0		0	0
High Performance New Construction	Projects	0	0	0		0	0	0		841	322	0		0	4,328
Toronto Comprehensive	Projects	0	0	0		0	0	0		0	0	0		0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0		0	0	0		0	0
LDC Custom Programs	Projects	0	0	0		0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011 Total						**0**	**0**	**0**		**841**	**322**	**0**		**0**	**4,328**
Other															
Program Enabled Savings	Projects	0	0	0		0	0	0		0	0	0		0	0
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
Other Total						**0**	**0**	**0**		**0**	**0**	**0**		**0**	**0**
Adjustments to 2011 Verified Results							**-7**	**0**			**7,134**	**0**		**-7**	**28,535**
Adjustments to 2012 Verified Results								**20**				**180,899**		**20**	**542,696**
Energy Efficiency Total						**301**	**393**	**582**		**1,244,939**	**1,755,803**	**2,519,708**		**1,225**	**15,120,624**
Demand Response Total (Scenario 1)						**72**	**37**	**37**		**1,421**	**531**	**494**		**0**	**2,447**
Adjustments to Previous Years' Verified Results Total						**0**	**-7**	**20**		**0**	**7,134**	**180,899**		**14**	**571,231**
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						**373**	**423**	**640**		**1,246,360**	**1,763,468**	**2,701,101**		**1,239**	**15,694,301**
													Full OEB Target:	**3,940**	**14,920,000**
													% of Full OEB Target Achieved to Date (Scenario 1):	**31.4%**	**105.2%**

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

*Includes adjustments after Final Reports were issued

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated

Table 2: Adjustments to St. Thomas Energy Inc. Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program													
Appliance Retirement	Appliances	0	0			0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0			0	0		
HVAC Incentives	Equipment	-44	2			-13	0			-24,326	648		
Conservation Instant Coupon Booklet	Items	24	0			0	0			810	0		
Bi-Annual Retailer Event	Items	240	0			0	0			6,418	0		
Retailer Co-op	Items	0	0			0	0			0	0		
Residential Demand Response	Devices	0	0			0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0			0	0		
Residential New Construction	Homes	0	0			0	0			0	0		
Consumer Program Total						**-13**	**0**			**-17,099**	**648**		
Business Program													
Retrofit	Projects	2	5			6	19			24,232	177,935		
Direct Install Lighting	Projects	0	1			0	1			0	2,316		
Building Commissioning	Buildings	0	0			0	0			0	0		
New Construction	Buildings	0	0			0	0			0	0		
Energy Audit	Audits	0	0			0	0			0	0		
Small Commercial Demand Response	Devices	0	0			0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
Business Program Total						**6**	**20**			**24,232**	**180,251**		
Industrial Program													
Process & System Upgrades	Projects	0	0			0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0			0	0		
Energy Manager	Projects	0	0			0	0			0	0		
Retrofit	Projects	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
Industrial Program Total						**0**	**0**			**0**	**0**		
Home Assistance Program													
Home Assistance Program	Homes	0	0			0	0			0	0		
Home Assistance Program Total						**0**	**0**			**0**	**0**		
Aboriginal Program													
Home Assistance Program	Homes	0	0			0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0			0	0		
Aboriginal Program Total						**0**	**0**			**0**	**0**		
Pre-2011 Programs completed in 2011													
Electricity Retrofit Incentive Program	Projects	0	0			0	0			0	0		
High Performance New Construction	Projects	0	0			0	0			0	0		
Toronto Comprehensive	Projects	0	0			0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0			0	0		
Pre-2011 Programs completed in 2011 Total						**0**	**0**			**0**	**0**		
Other													
Program Enabled Savings	Projects	0	0			0	0			0	0		
Time-of-Use Savings	Homes	0	0			0	0			0	0		
Other Total						**0**	**0**			**0**	**0**		
Adjustments to 2011 Verified Results						**-7**				**7,134**			
Adjustments to 2012 Verified Results							**20**				**180,899**		
Total Adjustments to Previous Years' Verified Results						**-7**	**20**			**7,134**	**180,899**		

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above does not consider persistence of savings

Table 3: St. Thomas Energy Inc. Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement	1.00	1.00	n/a		0.51	0.47	0.42		1.00	1.00	n/a		0.52	0.47	0.44	
Appliance Exchange	1.00	1.00	1.00		0.52	0.52	0.53		1.00	1.00	1.00		0.52	0.52	0.53	
HVAC Incentives	1.00	1.00	n/a		0.60	0.50	0.48		1.00	1.00	n/a		0.60	0.49	0.48	
Conservation Instant Coupon Booklet	1.00	1.00	1.00		1.14	1.00	1.11		1.00	1.00	1.00		1.11	1.05	1.13	
Bi-Annual Retailer Event	1.00	1.00	1.00		1.13	0.91	1.04		1.00	1.00	1.00		1.10	0.92	1.04	
Retailer Co-op	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential New Construction	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Business Program																
Retrofit	0.93	0.94	0.91		0.75	0.75	0.79		1.35	1.11	1.09		0.76	0.74	0.79	
Direct Install Lighting	1.08	0.68	0.81		0.93	0.94	0.94		0.90	0.85	0.84		0.93	0.94	0.94	
Building Commissioning	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
New Construction	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Energy Audit	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Small Commercial Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Small Commercial Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Demand Response 3	0.76	n/a	n/a		n/a	n/a	n/a		1.00	n/a	n/a		n/a	n/a	n/a	
Industrial Program																
Process & System Upgrades	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Monitoring & Targeting	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Energy Manager	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Retrofit																
Demand Response 3	0.84	n/a	n/a		n/a	n/a	n/a		1.00	n/a	n/a		n/a	n/a	n/a	
Home Assistance Program																
Home Assistance Program	n/a	n/a	1.14		n/a	n/a	1.00		n/a	n/a	0.89		n/a	n/a	1.00	
Aboriginal Program																
Home Assistance Program	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Direct Install 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	
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
High Performance New Construction	1.00	1.00	1.00		0.50	0.50	0.50		1.00	1.00	1.00		0.50	0.50	0.50	
Toronto Comprehensive	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Multifamily Energy Efficiency Rebates	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
LDC Custom Programs	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Other																
Program Enabled Savings	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Time-of-Use Savings	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	

Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated

Summary Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year (Scenario 1). Please see methodology tab for more detailed information.

Table 4: Net Peak Demand Savings at the End User Level (MW) (Scenario 1)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	0.4	0.3	0.3	0.3
2012 - Verified†	0.0	0.4	0.4	0.4
2013 - Verified†	0.0	0.0	0.6	0.6
2014				
Verified Net Annual Peak Demand Savings Persisting in 2014:				1.2
St. Thomas Energy Inc. 2014 Annual CDM Capacity Target:				3.9
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				31.4%

Table 5: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	1.2	1.2	1.2	1.2	4.9
2012 - Verified†	0.0	1.8	1.8	1.7	5.3
2013 - Verified†	0.0	0.2	2.7	2.6	5.5
2014					
Verified Net Cumulative Energy Savings 2011-2014:					15.7
St. Thomas Energy Inc. 2011-2014 Annual CDM Energy Target:					14.9
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					105.2%

†Includes adjustments to previous Years' verified results

Table 6: Province-Wide Initiatives and Program Level Net Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
														2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014	2014
Consumer Program															
Appliance Retirement	Appliances	56,110	34,146	20,952		3,299	2,011	1,433		23,005,812	13,424,518	8,713,107		6,605	149,603,072
Appliance Exchange	Appliances	3,688	3,836	5,337		371	556	1,106		450,187	974,621	1,971,701		1,795	8,455,927
HVAC Incentives	Equipment	92,743	87,427	91,581		32,037	19,060	19,552		59,437,670	32,841,283	33,923,592		70,650	404,121,713
Conservation Instant Coupon Booklet	Items	567,678	30,891	346,896		1,344	230	517		21,211,537	1,398,202	7,707,573		2,091	104,455,900
Bi-Annual Retailer Event	Items	952,149	1,060,901	944,772		1,681	1,480	1,184		29,387,468	26,781,674	17,179,841		4,345	232,254,579
Retailer Co-op	Items	152	0	0		0	0	0		2,652	0	0		0	10,607
Residential Demand Response	Devices	19,550	98,388	171,733		10,947	49,038	93,076		24,870	359,408	390,303		0	774,582
Residential Demand Response (IHD)	Devices	0	49,689	133,657		0	0	0		0	0	0		0	0
Residential New Construction	Homes	26	19	86		0	2	18		743	17,152	163,690		20	381,811
Consumer Program Total						**49,681**	**72,377**	**116,886**		**133,520,941**	**75,796,859**	**70,049,807**		**85,506**	**900,058,189**
Business Program															
Retrofit	Projects	2,819	6,134	8,785		24,467	61,147	59,678		136,002,258	314,922,468	345,346,008		142,831	2,168,497,702
Direct Install Lighting	Projects	20,741	18,691	17,782		23,724	15,284	18,708		61,076,701	57,345,798	64,315,558		49,886	519,693,356
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	22	69	86		123	764	1,584		411,717	1,814,721	4,959,266		2,472	17,009,564
Energy Audit	Audits	198	345	319		0	1,450	2,811		0	7,049,351	15,455,795		4,261	52,059,644
Small Commercial Demand Response	Devices	132	294	1,211		84	187	773		157	1,068	373		0	1,597
Small Commercial Demand Response (IHD)	Devices	0	0	378		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	145	151	175		16,218	19,389	23,706		633,421	281,823	346,659		0	1,261,903
Business Program Total						**64,617**	**98,221**	**107,261**		**198,124,253**	**381,415,230**	**430,423,659**		**199,449**	**2,758,523,766**
Industrial Program															
Process & System Upgrades	Projects	0	0	3		0	0	294		0	0	2,603,764		294	5,207,528
Monitoring & Targeting	Projects	0	0	0		0	0	0		0	0	0		0	0
Energy Manager	Projects	0	42	205		0	1,086	3,558		0	7,372,108	21,994,263		3,194	54,888,570
Retrofit	Projects	433	0	0		4,615	0	0		28,866,840	0	0		4,613	115,462,282
Demand Response 3	Facilities	124	185	281		52,484	74,056	162,543		3,080,737	1,784,712	4,309,160		0	9,174,609
Industrial Program Total						**57,098**	**75,141**	**166,395**		**31,947,577**	**9,156,820**	**28,907,187**		**8,101**	**184,732,989**
Home Assistance Program															
Home Assistance Program	Homes	46	5,033	26,756		2	566	2,361		39,283	5,442,232	20,987,275		2,904	57,949,913
Home Assistance Program Total						**2**	**566**	**2,361**		**39,283**	**5,442,232**	**20,987,275**		**2,904**	**57,949,913**
Aboriginal Program															
Home Assistance Program	Homes	0	0	584		0	0	267		0	0	1,609,393		267	3,218,786
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Aboriginal Program Total						**0**	**0**	**267**		**0**	**0**	**1,609,393**		**267**	**3,218,786**
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	2,028	0	0		21,662	0	0		121,138,219	0	0		21,662	484,552,876
High Performance New Construction	Projects	179	69	4		5,098	3,251	772		26,185,591	11,901,944	3,522,240		9,121	147,492,677
Toronto Comprehensive	Projects	577	0	0		15,805	0	0		86,964,886	0	0		15,805	347,859,545
Multifamily Energy Efficiency Rebates	Projects	110	0	0		1,981	0	0		7,595,683	0	0		1,981	30,382,733
LDC Custom Programs	Projects	8	0	0		399	0	0		1,367,170	0	0		399	5,468,679
Pre-2011 Programs completed in 2011 Total						**44,945**	**3,251**	**772**		**243,251,550**	**11,901,944**	**3,522,240**		**48,967**	**1,015,756,510**
Other															
Program Enabled Savings	Projects	14	56	13		0	2,304	3,692		0	1,188,362	4,075,382		5,996	11,715,850
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
Other Total						**0**	**2,304**	**3,692**		**0**	**1,188,362**	**4,075,382**		**5,996**	**11,715,850**
Adjustments to 2011 Verified Results							**1,406**	**641**			**18,689,081**	**1,736,381**		**1,797**	**80,864,121**
Adjustments to 2012 Verified Results								**6,260**				**41,947,840**		**6,180**	**126,287,857**
Energy Efficiency Total						**136,610**	**109,191**	**117,536**		**603,144,419**	**482,474,435**	**554,528,447**		**351,190**	**4,920,743,312**
Demand Response Total (Scenario 1)						**79,733**	**142,670**	**280,099**		**3,739,185**	**2,427,011**	**5,046,495**		**0**	**11,212,691**
Adjustments to Previous Years' Verified Results Total						**0**	**1,406**	**6,901**		**0**	**18,689,081**	**43,684,221**		**7,976**	**207,151,978**
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						**216,343**	**253,267**	**404,536**		**606,883,604**	**503,590,526**	**603,259,163**		**359,166**	**5,139,107,980**
													Full OEB Target:	**1,330,000**	**6,000,000,000**
													% of Full OEB Target Achieved to Date (Scenario 1):	**27.0%**	**85.7%**

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

*Includes adjustments after Final Reports were issued

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated

Table 7: Adjustments to Province-Wide Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program													
Appliance Retirement	Appliances	0	0			0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0			0	0		
HVAC Incentives	Equipment	-18,844	2,206			-5,271	452			-9,709,500	907,735		
Conservation Instant Coupon Booklet	Items	8,216	0			16	0			275,655	0		
Bi-Annual Retailer Event	Items	81,817	0			108	0			2,183,391	0		
Retailer Co-op	Items	0	0			0	0			0	0		
Residential Demand Response	Devices	0	0			0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0			0	0		
Residential New Construction	Homes	19	0			1	0			13,767	0		
Consumer Program Total						**-5,146**	**452**			**-7,236,687**	**907,735**		
Business Program													
Retrofit	Projects	303	529			3,204	4,443			16,216,165	28,739,635		
Direct Install Lighting	Projects	444	197			501	204			1,250,388	736,541		
Building Commissioning	Buildings	0	0			0	0			0	0		
New Construction	Buildings	12	0			828	0			3,520,620	0		
Energy Audit	Audits	95	65			492	337			2,391,744	1,636,457		
Small Commercial Demand Response	Devices	0	0			0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
Business Program Total						**5,025**	**4,984**			**23,378,917**	**31,112,632**		
Industrial Program													
Process & System Upgrades	Projects	0	0			0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0			0	0		
Energy Manager	Projects	0	3			0	68			0	719,235		
Retrofit	Projects	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
Industrial Program Total						**0**	**68**			**0**	**719,235**		
Home Assistance Program													
Home Assistance Program	Homes	0	0			0	0			0	0		
Home Assistance Program Total						**0**	**0**			**0**	**0**		
Aboriginal Program													
Home Assistance Program	Homes	0	0			0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0			0	0		
Aboriginal Program Total						**0**	**0**			**0**	**0**		
Pre-2011 Programs completed in 2011													
Electricity Retrofit Incentive Program	Projects	12	0			138	0			545,536	0		
High Performance New Construction	Projects	34	0			1,407	0			2,065,200	0		
Toronto Comprehensive	Projects	0	0			0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0			0	0		
Pre-2011 Programs completed in 2011 Total						**1,545**	**0**			**2,610,736**	**0**		
Other													
Program Enabled Savings	Projects	14	40			624	824			1,673,712	9,927,473		
Time-of-Use Savings	Homes	0	0			0	0			0	0		
Other Total						**624**	**824**			**1,673,712**	**9,927,473**		
Adjustments to 2011 Verified Results						**2,047**				**20,426,678**			
Adjustments to 2012 Verified Results							**6,328**				**42,667,076**		
Adjustments to Previous Years' Verified Results Total						**2,047**	**6,328**			**20,426,678**	**42,667,076**		

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above does not consider persistence of savings

Table 8: Province-Wide Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement	1.00	1.00	1.00		0.51	0.46	0.42		1.00	1.00	1.00		0.46	0.47	0.44	
Appliance Exchange	1.00	1.00	1.00		0.51	0.52	0.53		1.00	1.00	1.00		0.52	0.52	0.53	
HVAC Incentives	1.00	1.00	1.00		0.60	0.50	0.48		1.00	1.00	1.00		0.50	0.49	0.48	
Conservation Instant Coupon Booklet	1.00	1.00	1.00		1.14	1.00	1.11		1.00	1.00	1.00		1.00	1.05	1.13	
Bi-Annual Retailer Event	1.00	1.00	1.00		1.12	0.91	1.04		1.00	1.00	1.00		0.91	0.92	1.04	
Retailer Co-op	1.00	n/a	n/a		0.68	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential New Construction	1.00	3.65	0.78		0.41	0.49	0.63		3.65	7.17	3.09		0.49	0.49	0.63	
Business Program																
Retrofit	1.06	0.93	0.92		0.72	0.75	0.73		0.93	1.05	1.01		0.75	0.76	0.73	
Direct Install Lighting	1.08	0.69	0.82		1.08	0.94	0.94		0.69	0.85	0.84		0.94	0.94	0.94	
Building Commissioning	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
New Construction	0.50	0.98	0.68		0.50	0.49	0.54		0.98	0.99	0.76		0.49	0.49	0.54	
Energy Audit	n/a	n/a	1.02		n/a	n/a	0.66		n/a	n/a	0.97		n/a	n/a	0.66	
Small Commercial Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Small Commercial Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Demand Response 3	0.76	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Industrial Program																
Process & System Upgrades	n/a	n/a	0.85		n/a	n/a	0.94		n/a	n/a	0.87		n/a	n/a	0.93	
Monitoring & Targeting	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Energy Manager	n/a	1.16	0.90		n/a	0.90	0.90		1.16	1.16	0.90		0.90	0.90	0.90	
Retrofit	1.11	n/a	n/a		0.72	n/a	n/a		0.91	n/a	n/a		0.75	n/a	n/a	
Demand Response 3	0.84	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Home Assistance Program																
Home Assistance Program	1.00	0.32	0.26		0.70	1.00	1.00		0.32	0.99	0.88		1.00	1.00	1.00	
Aboriginal Program																
Home Assistance Program	n/a	n/a	0.05		n/a	n/a	1.00		n/a	n/a	0.95		n/a	n/a	1.00	
Direct Install 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	
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program	0.80	n/a	n/a		0.54	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
High Performance New Construction	1.00	1.00	1.00		0.49	0.50	0.50		1.00	1.00	1.00		0.50	0.50	0.50	
Toronto Comprehensive	1.13	n/a	n/a		0.50	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Multifamily Energy Efficiency Rebates	0.93	n/a	n/a		0.78	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
LDC Custom Programs	1.00	n/a	n/a		1.00	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Other																
Program Enabled Savings	n/a	1.06	1.00		n/a	1.00	1.00		1.06	2.26	1.00		1.00	1.00	1.00	
Time-of-Use Savings	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	

Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated

Summary Provincial Progress Towards CDM Targets

Table 9: Province-Wide Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011	216.3	136.6	135.8	129.0
2012†	1.4	253.3	109.8	108.2
2013†	0.6	7.0	404.5	122.0
2014				
Verified Net Annual Peak Demand Savings in 2014:				359.2
2014 Annual CDM Capacity Target:				1,330
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				27.0%

Table 10: Province-Wide Net Energy Savings at the End-User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011	606.9	603.0	601.0	582.3	2,393.1
2012†	18.7	503.6	498.4	492.6	1,513.3
2013†	1.7	44.4	603.3	583.4	1,232.8
2014					
Verified Net Cumulative Energy Savings 2011-2014:					5,139.1
2011-2014 Cumulative CDM Energy Target:					6,000
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					85.7%

†Includes adjustments to previous Years' verified results

METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS	
Prescriptive Measures and Projects	**Gross Savings = Activity * Per Unit Assumption** **Net Savings = Gross Savings * Net-to-Gross Ratio** **All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)**
Engineered and Custom Projects	**Gross Savings = Reported Savings * Realization Rate** **Net Savings = Gross Savings * Net-to-Gross Ratio** **All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)**
Demand Response	**Peak Demand: Gross Savings = Net Savings = contracted MW at contributor level * Provincial contracted to ex ante ratio** **Energy: Gross Savings = Net Savings = provincial ex post energy savings * LDC proportion of total provincial contracted MW** **All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)**
Adjustments to Previous Years' Verified Results	All variances from the Final Annual Results Reports from prior years will be adjusted within this report. Any variances with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the cumulative effect of energy savings.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Consumer Program			
Appliance Retirement	Includes both retail and home pickup stream; Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection.	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year that the exchange event occurred.	
HVAC Incentives	Results directly attributed to LDC based on customer postal code.	Savings are considered to begin in the year that the installation occurred.	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the event occurs.	
Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Residential Demand Response	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists.	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any “snapback” in energy consumption experienced after the event. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Business Program			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
	Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2013)		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Industrial Program			
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011, 2012 or 2013.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Demand Response 3	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Home Assistance Program			
Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Aboriginal Program			
Aboriginal Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Pre-2011 Programs completed in 2011			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012 or 2013 assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported. A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011, 2012 or 2013, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011, 2012 or 2013, assumptions as per 2010 evaluation.		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012 or 2013, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation.		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation.		

Retrofit Sector (C&I vs. Industrial Mapping)	
Building Type	**Sector**
Agribusiness - Cattle Farm	C&I
Agribusiness - Dairy Farm	C&I
Agribusiness - Greenhouse	C&I
Agribusiness - Other	C&I
Agribusiness - Other,Mixed-Use - Office/Retail	C&I
Agribusiness - Other,Office,Retail,Warehouse	C&I
Agribusiness - Other,Office,Warehouse	C&I
Agribusiness - Poultry	C&I
Agribusiness - Poultry,Hospitality - Motel	C&I
Agribusiness - Swine	C&I
Convenience Store	C&I
Education - College / Trade School	C&I
Education - College / Trade School,Multi-Residential - Condominium	C&I
Education - College / Trade School,Multi-Residential - Rental Apartment	C&I
Education - College / Trade School,Retail	C&I
Education - Primary School	C&I
Education - Primary School,Education - Secondary School	C&I
Education - Primary School,Multi-Residential - Rental Apartment	C&I
Education - Primary School,Not-for-Profit	C&I
Education - Secondary School	C&I
Education - University	C&I
Education - University,Office	C&I
Hospital/Healthcare - Clinic	C&I
Hospital/Healthcare - Clinic,Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Clinic,Industrial	C&I
Hospital/Healthcare - Clinic,Retail	C&I
Hospital/Healthcare - Long-term Care	C&I
Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail,Office	C&I
Hospitality - Hotel	C&I
Hospitality - Hotel,Restaurant - Dining	C&I
Hospitality - Motel	C&I
Industrial	Industrial
Mixed-Use - Office/Retail	C&I
Mixed-Use - Office/Retail,Industrial	Industrial
Mixed-Use - Office/Retail,Mixed-Use - Other	C&I
Mixed-Use - Office/Retail,Mixed-Use - Other,Not-for-Profit,Warehouse	C&I
Mixed-Use - Office/Retail,Mixed-Use - Residential/Retail	C&I
Mixed-Use - Office/Retail,Office,Restaurant - Dining,Restaurant - Quick Serve,Retail,Warehouse	C&I

Mixed-Use - Office/Retail,Office,Warehouse	C&I
Mixed-Use - Office/Retail,Retail	C&I
Mixed-Use - Office/Retail,Warehouse	C&I
Mixed-Use - Office/Retail,Warehouse,Industrial	Industrial
Mixed-Use - Other	C&I
Mixed-Use - Other,Industrial	Industrial
Mixed-Use - Other,Not-for-Profit,Office	C&I
Mixed-Use - Other,Office	C&I
Mixed-Use - Other,Other: Please specify	C&I
Mixed-Use - Other,Retail,Warehouse	C&I
Mixed-Use - Other,Warehouse	C&I
Mixed-Use - Residential/Retail	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Condominium	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Rental Apartment	C&I
Mixed-Use - Residential/Retail,Retail	C&I
Multi-Residential - Condominium	C&I
Multi-Residential - Condominium,Multi-Residential - Rental Apartment	C&I
Multi-Residential - Condominium,Other: Please specify	C&I
Multi-Residential - Rental Apartment	C&I
Multi-Residential - Rental Apartment,Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Warehouse	C&I
Multi-Residential - Social Housing Provider	C&I
Multi-Residential - Social Housing Provider,Industrial	C&I
Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Not-for-Profit	C&I
Not-for-Profit,Office	C&I
Not-for-Profit,Other: Please specify	C&I
Not-for-Profit,Warehouse	C&I
Office	C&I
Office,Industrial	Industrial
Office,Other: Please specify	C&I
Office,Other: Please specify,Warehouse	C&I
Office,Restaurant - Dining	C&I
Office,Restaurant - Dining,Industrial	Industrial
Office,Retail	C&I
Office,Retail,Industrial	C&I
Office,Retail,Warehouse	C&I
Office,Warehouse	C&I
Office,Warehouse,Industrial	Industrial
Other: Please specify	C&I
Other: Please specify,Industrial	Industrial
Other: Please specify,Retail	C&I
Other: Please specify,Warehouse	C&I
Restaurant - Dining	C&I
Restaurant - Dining,Retail	C&I

Restaurant - Quick Serve	C&I
Restaurant - Quick Serve,Retail	C&I
Retail	C&I
Retail,Industrial	Industrial
Retail,Warehouse	C&I
Warehouse	C&I
Warehouse,Industrial	Industrial

Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%

Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%
Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

Reporting Glossary

Annual: the peak demand or energy savings that occur in a given year (includes resource savings from new program activity in a given year and resource savings persisting from previous years).

Cumulative Energy Savings: represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

End-User Level: resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

Free-ridership: the percentage of participants who would have implemented the program measure or practice in the absence of the program.

Incremental: the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.

Initiative: a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

Net-to-Gross Ratio: The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

Net Energy Savings (MWh): energy savings attributable to conservation and demand management activities net of free-riders, etc.

Net Peak Demand Savings (MW): peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

Program: a group of initiatives that target a particular market sector (e.g. Consumer, Industrial).

Realization Rate: A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

Settlement Account: the grouping of demand response facilities (contributors) into one contractual agreement

Spillover: Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

Unit: for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).

Table 11: St. Thomas Energy Inc. Initiative and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement**	Appliances	22	7	8		142,598	48,303	43,284	
Appliance Exchange**	Appliances	4	13	7		5,183	22,042	11,933	
HVAC Incentives	Equipment	218	150	169		405,617	258,899	293,837	
Conservation Instant Coupon Booklet	Items	3	1	1		51,051	3,897	20,112	
Bi-Annual Retailer Event	Items	4	5	3		79,066	85,894	48,327	
Retailer Co-op	Items	0	0	0		0	0	0	
Residential Demand Response	Devices	31	0	0		0	0	0	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	0	0	0		0	0	0	
Consumer Program Total		**283**	**175**	**188**		**683,515**	**419,035**	**417,492**	
Business Program									
Retrofit	Projects	112	226	386		779,360	1,203,780	1,926,086	
Direct Install Lighting	Projects	57	153	207		174,436	554,512	749,715	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	0	0	0		0	0	0	
Energy Audit	Audits	0	0	0		0	0	0	
Small Commercial Demand Response	Devices	4	0	0		0	0	0	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	36	37	37		1,421	531	494	
Business Program Total		**209**	**415**	**630**		**955,217**	**1,758,823**	**2,676,296**	
Industrial Program									
Process & System Upgrades	Projects	0	0	0		0	0	0	
Monitoring & Targeting	Projects	0	0	0		0	0	0	
Energy Manager	Projects	0	0	0		0	0	0	
Retrofit	Projects	5	0	0		34,499	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Industrial Program Total		**5**	**0**	**0**		**34,499**	**0**	**0**	
Home Assistance Program									
Home Assistance Program	Homes	0	0	11		0	0	139,533	
Home Assistance Program Total		**0**	**0**	**11**		**0**	**0**	**139,533**	
Aboriginal Program									
Home Assistance Program	Homes	0	0	0		0	0	0	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Aboriginal Program Total		**0**	**0**	**0**		**0**	**0**	**0**	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	0	0	0		0	0	0	
High Performance New Construction	Projects	0	1	0		1,681	644	0	
Toronto Comprehensive	Projects	0	0	0		0	0	0	
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0	
LDC Custom Programs	Projects	0	0	0		0	0	0	
Pre-2011 Programs completed in 2011 Total		**0**	**1**	**0**		**1,681**	**644**	**0**	
Other									
Program Enabled Savings	Projects	0	0	0		0	0	0	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
Other Total		**0**	**0**	**0**		**0**	**0**	**0**	
Adjustments to 2011 Verified Results		**0**	**-12**	**0**		**0**	**1,811**	**0**	
Adjustments to 2012 Verified Results		**0**	**0**	**26**		**0**	**0**	**234,303**	
Energy Efficiency Total		**426**	**554**	**792**		**1,673,491**	**2,177,970**	**3,232,826**	
Demand Response Total		**72**	**37**	**37**		**1,421**	**531**	**494**	
Adjustments to Previous Years' Verified Results Total		**0**	**-12**	**26**		**0**	**1,811**	**234,303**	
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		**498**	**578**	**855**		**1,674,913**	**2,180,312**	**3,467,623**	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above does not consider persistence of savings

Gross results are presented for informational purposes only and are not considered official 2013 Final Verified Results

**Net results substituted for gross results due to unavailability of data

Table 12: Adjustments to St. Thomas Energy Inc. Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement	Appliances	0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0		
HVAC Incentives	Equipment	-22	1			-40,685	1,336		
Conservation Instant Coupon Booklet	Items	0	0			752	0		
Bi-Annual Retailer Event	Items	0	0			6,977	0		
Retailer Co-op	Items	0	0			0	0		
Residential Demand Response	Devices	0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0		
Residential New Construction	Homes	0	0			0	0		
Consumer Program Total		**-21**	**1**			**-32,955**	**1,336**		
Business Program									
Retrofit	Projects	9	24			34,766	230,508		
Direct Install Lighting	Projects	0	1			0	2,459		
Building Commissioning	Buildings	0	0			0	0		
New Construction	Buildings	0	0			0	0		
Energy Audit	Audits	0	0			0	0		
Small Commercial Demand Response	Devices	0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
Business Program Total		**9**	**25**			**34,766**	**232,966**		
Industrial Program									
Process & System Upgrades	Projects	0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0		
Energy Manager	Projects	0	0			0	0		
Retrofit	Projects	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
Industrial Program Total		**0**	**0**			**0**	**0**		
Home Assistance Program									
Home Assistance Program	Homes	0	0			0	0		
Home Assistance Program Total		**0**	**0**			**0**	**0**		
Aboriginal Program									
Home Assistance Program	Homes	0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0		
Aboriginal Program Total									
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	0	0			0	0		
High Performance New Construction	Projects	0	0			0	0		
Toronto Comprehensive	Projects	0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0		
Pre-2011 Programs completed in 2011 Total		**0**	**0**			**0**	**0**		
Other									
Program Enabled Savings	Projects	0	0			0	0		
Time-of-Use Savings	Homes	0	0			0	0		
Other Total		**0**	**0**			**0**	**0**		
Adjustments to 2011 Verified Results		**-12**				**1,811**			
Adjustments to 2012 Verified Results			**26**				**234,303**		
Total Adjustments to Previous Years' Verified Results		**-12**	**26**			**1,811**	**234,303**		

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Gross results are presented for informational purposes only and are not considered official 2013 Final Verified Results

Table 13: Province-Wide Initiatives and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement**	Appliances	6,750	2,011	3,151		45,971,627	13,424,518	18,616,239	
Appliance Exchange**	Appliances	719	556	2,101		873,531	974,621	3,746,106	
HVAC Incentives	Equipment	53,209	38,346	40,418		99,413,430	66,929,213	71,225,037	
Conservation Instant Coupon Booklet	Items	1,184	231	464		19,192,453	1,325,898	6,842,244	
Bi-Annual Retailer Event	Items	1,504	1,622	1,142		26,899,265	29,222,072	16,441,329	
Retailer Co-op	Items	0	0	0		3,917	0	0	
Residential Demand Response	Devices	10,390	49,038	93,076		23,597	359,408	390,303	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	0	1	29		1,813	4,884	259,826	
Consumer Program Total		**73,757**	**91,805**	**140,380**		**192,379,633**	**112,240,615**	**117,521,084**	
Business Program									
Retrofit	Projects	34,201	78,965	82,896		184,070,265	387,817,248	478,410,896	
Direct Install Lighting	Projects	22,155	20,469	19,807		65,777,197	68,896,046	68,140,249	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	247	1,596	2,934		823,434	3,755,869	9,183,826	
Energy Audit	Audits	0	1,450	4,283		0	7,049,351	23,386,108	
Small Commercial Demand Response	Devices	55	187	773		131	1,068	373	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	21,390	19,389	23,706		633,421	281,823	346,659	
Business Program Total		**78,048**	**122,056**	**134,399**		**251,304,448**	**467,801,406**	**579,468,111**	
Industrial Program									
Process & System Upgrades	Projects	0	0	313		0	0	2,799,746	
Monitoring & Targeting	Projects	0	0	0		0	0	0	
Energy Manager	Projects	0	1,034	3,953		0	7,067,535	24,438,070	
Retrofit	Projects	6,372	0	0		38,412,408	0	0	
Demand Response 3	Facilities	176,180	74,056	162,543		4,243,958	1,784,712	4,309,160	
Industrial Program Total		**182,552**	**75,090**	**166,809**		**42,656,366**	**8,852,247**	**31,546,976**	
Home Assistance Program									
Home Assistance Program	Homes	4	1,777	2,361		56,119	5,524,230	20,987,275	
Home Assistance Program Total		**4**	**1,777**	**2,361**		**56,119**	**5,524,230**	**20,987,275**	
Aboriginal Program									
Home Assistance Program	Homes	0	0	267		0	0	1,609,393	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Aboriginal Program Total		**0**	**0**	**267**		**0**	**0**	**1,609,393**	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	40,418	0	0		223,956,390	0	0	
High Performance New Construction	Projects	10,197	6,501	772		52,371,183	23,803,888	3,522,240	
Toronto Comprehensive	Projects	33,467	0	0		174,070,574	0	0	
Multifamily Energy Efficiency Rebates	Projects	2,553	0	0		9,774,792	0	0	
LDC Custom Programs	Projects	534	0	0		649,140	0	0	
Pre-2011 Programs completed in 2011 Total		**87,169**	**6,501**	**772**		**460,822,079**	**23,803,888**	**3,522,240**	
Other									
Program Enabled Savings	Projects	0	2,177	3,692		0	525,011	4,075,382	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
Other Total		**0**	**2,177**	**3,692**		**0**	**525,011**	**4,075,382**	
Adjustments to 2011 Verified Results			**13,266**	**645**			**48,705,294**	**1,744,645**	
Adjustments to 2012 Verified Results				**8,707**				**55,101,043**	
Energy Efficiency Total		**213,515**	**156,735**	**168,583**		**942,317,539**	**616,320,385**	**753,683,966**	
Demand Response Total		**208,015**	**142,670**	**280,099**		**4,901,107**	**2,427,011**	**5,046,495**	
Adjustments to Previous Years' Verified Results Total		**0**	**13,266**	**9,352**		**0**	**48,705,294**	**56,845,688**	
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		**421,530**	**312,671**	**458,033**		**947,218,646**	**667,452,690**	**815,576,149**	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above does not consider persistence of savings

Gross results are presented for informational purposes only and are not considered official 2013 Final Verified Results

**Net results substituted for gross results due to unavailability of data

Table 14: Adjustments to Province-Wide Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement	Appliances	0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0		
HVAC Incentives	Equipment	-8,762	1,036			-16,245,279	1,854,833		
Conservation Instant Coupon Booklet	Items	15	0			255,975	0		
Bi-Annual Retailer Event	Items	117	0			2,373,616	0		
Retailer Co-op	Items	0	0			0	0		
Residential Demand Response	Devices	0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0		
Residential New Construction	Homes	0	0			328,256	0		
Consumer Program Total		**-8,630**	**1,036**			**-13,287,430**	**1,854,833**		
Business Program									
Retrofit	Projects	4,504	6,218			22,046,931	40,101,273		
Direct Install Lighting	Projects	541	217			1,346,618	781,858		
Building Commissioning	Buildings	0	0			0	0		
New Construction	Buildings	3,243	0			11,323,593	0		
Energy Audit	Audits	492	337			2,391,744	1,636,457		
Small Commercial Demand Response	Devices	0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
Business Program Total		**8,780**	**6,771**			**37,108,886**	**42,519,588**		
Industrial Program									
Process & System Upgrades	Projects	0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0		
Energy Manager	Projects	0	75			0	799,151		
Retrofit	Projects	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
Industrial Program Total		**0**	**75**			**0**	**799,151**		
Home Assistance Program									
Home Assistance Program	Homes	0	0			0	0		
Home Assistance Program Total		**0**	**0**			**0**	**0**		
Aboriginal Program									
Home Assistance Program	Homes	0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0		
Aboriginal Program Total		**0**	**0**			**0**	**0**		
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	266	0			1,049,108	0		
High Performance New Construction	Projects	12,872	0			23,905,663	0		
Toronto Comprehensive	Projects	0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0		
Pre-2011 Programs completed in 2011 Total		**13,137**	**0**			**24,954,771**	**0**		
Other									
Program Enabled Savings	Projects	624	824			1,673,712	9,927,473		
Time-of-Use Savings	Homes	0	0			0	0		
Other Total		**624**	**824**			**1,673,712**	**9,927,473**		
Adjustments to 2011 Verified Results		**13,911**				**50,449,939**			
Adjustments to 2012 Verified Results			**8,707**				**55,101,043**		
Adjustments to Previous Years' Verified Results Total		**13,911**	**8,707**			**50,449,939**	**55,101,043**		

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Gross results are presented for informational purposes only and are not considered official 2013 Final Verified Results

3.0-VECC-19

Reference: 3/T1/S4/pg.2

a) Please provide the LRAMVA kW values derived per page 2, lines 18-19 and provide the supporting calculations.
b) Please confirm that the kW CDM targets for STEI are peak reduction values for the month of the system's peak.
c) Please confirm that the kW values used in the LRAMVA are billing kW for the 12 months of the year.
d) Based on the responses to parts (b) and (c) is not reasonable that the kW value for the LRAMVA could exceed the CDM target kW for the year?
e) Based on the preceding does STEI wish to change its proposed LRAMVA kW threshold for 2015?

Response: Elenchus

a) The 14,920 mWh referenced on page 2, lines 18-19 is STEI's 2011 to 2014 OPA mWh target, The reference should not have been mWh and not kW. The kW target is 3,940 kW.
b) STEI can not confirm that the kW CDM targets are peak reduction values for the month of the system's peak, but it makes sense that the target may be peak reduction.
c) STEI can not confirm that the kW values used in the LRAMVA are billing kW for the 12 months of the year, but it makes sense that the values used are billing kW.
d) It is possible, but STEI does not think that it makes sense at this stage to make changes to the LRAMVA. No, STEI does not think that a change to its proposed LRAMVA is needed.

3.0-VECC-20

Reference: 3/T1/S6

a) At page 1 STEI states that it is changing the billing for Street Lights from a per connection fee to a per customer fee. However, the proposed 2015 Tariff Schedule (8/T1/S9, Attachment 2) sets out the Service Charge for Street Lights as being per connection. Please reconcile.

b) Where (i.e. in what account) are the revenues from micro FIT service charges included and how much are the annual revenues for 2013-2015?

c) Please explain how the restructuring led to the elimination of rental income form AESI.

d) Please provide the year-to-date actual Other Operating Revenue for 2014 broken down per Table 3-17 and the comparable figures for the same period in 2013.

Response:

a) Street lighting charges are in two parts. The SSS fee has been changed from a per connection fee to a customer fee whereas the service charge portion of the distribution revenue remains on a per connection fee.

b) MicroFIT charges have been included in account 4325 Specific Service Charges. The MicroFIT recoveries for 2013 were $4,893. This item was missed in the 2014BY and 2015TY and inadvertently not included.

Related to the MicroFIT charges, the bill calculation is a very manual process and STEI has been in discussion with one of our service providers to automate the process. Cost for this service is $10 per account per month which exceeds the recoverable amounts. This will result in costs that exceed the revenue which STEI has not deemed to be material.

c) Pre-restructuring STEI owned the head office at 135 Edward Street but STEI had no staff and therefore STEI rented the facility to its affiliate. Upon restructuring employees were transferred to STEI and AESI staff moved to their own office thereby eliminating the rental income.

d) The July 31, 2013 and 2014 Other Operating Revenue is provided in the following table:

Other Operating Revenue

		2013	2014
		July 31	July 31
4080	Standard Supply Service	$ 33,809	$ 34,453
4082	Retail Services Revenues	$ 14,781	$ 13,894
4084	STR Processing	$ 421	$ 329
4210	Rent from Electric Property	$ -	$ 5,000
4220	Other Electric Revenues	$ -	$ -
4225	Late Payment Charges	$ 75,777	$ 77,018
4235	Specific Service Charges	$ 90,048	$ 92,703
4355	Gain on Disposal	$ -	$ -
4375	Revenues from Non Rate-Regulated Utility Operations	$ 798,363	$ 709,238
4380	Expenses from Non Rate-Regulated Utility Operations	-$ 666,135	-$ 582,309
4390	Miscellaneous Non-Operating Income	$ 79,283	$ 32,082
Specific Service Charges		$ 90,048	$ 92,703
Late Payment Charges		$ 75,777	$ 77,018
Other Operating Revenues		$ 926,657	$ 794,996
Other Income or Deductions		-$ 666,135	-$ 582,309
Total		$ 426,347	$ 382,408
4405	Interest and Dividend Income	23,548	19,800

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Exhibit 4

4.0-VECC-13

Reference: E4/T1/S11

a) Does the Kinectrics Report prepared for STEI deviate in any material way from the Kinectrics Report prepared for the OEB (July 8, 2010)?
b) Please identify any proposed asset depreciation lives which deviate from the range(s) provided in the Kinectrics Report.
c) Please provide the financial impact (if any) of these deviations on the proposed revenue requirement.

Response:

a) No the Kinectrics report prepared for STEI does not deviate from the report prepared for the OEB on July 8, 2010

b) There are no asset depreciation lives that deviate from the range(s) provided in the Kinectrics Report.

c) No response required

4.0-VECC-21

Reference: E1/T5/17/pg.8

a) At page 8 of the 2013 Financial Results Memo there is a list of savings incurred in 2013. After the list it states "*A significant amount of the 2013 reductions have been recognized in the 2014 budget."* Please list the savings that were included in the 2014 forecast budget. Please also list the items that were not included and explain why not.

Response:

a) The 2014BY budget reductions are provided in the following table

Admin Reductions	$
Injury and Damages	(20,000)
Office Supplies	(15,000)
Board Expense	(25,000)
Senior Management, courses, travel	(40,000)
Property Insurance	(5,000)
Property Taxes	(10,000)
Misc. General Expense	(15,000)
Other Conferences	(8,000)
Employee Future Benefits	(50,000)
Community Satey Program	(12,000)
Total Reduction	**(200,000)**

Some of these items have been incorporated into the AGI management fee such as incremental Board expenses and community safety program amounting to $37,000.

The additional $163,000 reduction includes reduced course and seminar costs for senior management as this is a skill set that the new CEO brought to STEI. The new CEO has developed a comprehensive program for AGI and STEI. Additional reductions were based upon analysis of actual 2012 and forecasted 2013 expenses that STEI was able to quantify and recognize in 2014.

STEI included $200,000 of $213,000 forecasted savings into the 2014 budget. The difference is related to general plant that includes costs such as snow removal, utilities, etc. The budget was maintained as costs fluctuate with seasonal conditions such as snow removal costs.

4.0-VECC-22

Reference: E4/

a) Please provide the number of positions that are currently employed for the purpose replacing an expected retirement. Please also provide the year of the associated expected retirement.

Response:

a) STEI does not have any positions currently employed for the sole purpose of replacing an expected retirement.

STEI hired a new lineman in September of 2013 to support the capital program and this position may succeed a possible retirement in 2018. Approximately 70% of the new lineman's chargeable hours have been allocated to the capital program.

STEI re-evaluates its staffing complement and skill set when this or any other retirement occurs.

4.0-VECC-23

Reference: E4/T1/S1

For each of the years 2011 through 2015 please provide:

a) EDA membership fees
b) Utility Collaborative Service
c) All other corporate membership fees

Response:

a) Please see the following table.

	2011	2012	2013	2014BY	2015TY
EDA	26,950	28,450	29,800	32,000	33,000
UCS	311,362	269,866	277,449	262,000	267,500
Memberships	45,745	12,800	25,727	25,000	26,000
Totals	**384,057**	**311,116**	**332,976**	**319,000**	**326,500**

The category of 'Memberships' contains all other corporate membership fees including items such as; ESA, CEA and professional designations.

4.0-VECC-24

Reference: E4/T1/S1

a) Please provide the name of the nearby LDC STEI is proposing to share a Roving Energy Manager.

Response:

a) Other distributors have joined the group sharing Roving Energy Managers. Currently there are five distributors, including St. Thomas Energy, sharing three Roving Energy Managers. The other four distributors are Bluewater Power Distribution, Niagara On-The-Lake Hydro, Niagara Peninsula Energy and Welland Hydro Electric System.

4.0-VECC-25

Reference: E4/T1/S6

a) Does STEI purchase insurance from the MEARIE Group?
b) If yes, please provide the premiums for each of 2011 through 2015 (forecast)
c) Please indicate the form of procurement for insurance services (e.g. tender, sole source, etc.).

Response:

a) Yes, STEI purchases insurance from the MEARIE Group.

b) The premiums are provided in the following table.

MEARIE INSURANCE

	2011 Actual	2012 Actual	2013 Actual	2014 BY	2015 TY
Property	30,560	51,703	44,891	55,000	56,155
Vehicle	-	6,361	5,826	6,000	6,125
Total	**30,560**	**58,064**	**50,718**	**61,000**	**62,280**

c) STEI hasn't tendered the benefits or insurance over the period since the last cost of service application.

4.0-VECC-26

Reference: E4/T1

a) Please provide all training and conference costs for the 2011-2015 period broken down into the following categories
   i. Training – operations/maintenance
   ii. Training – other
   iii. Conferences

Response:

a) The training and conference costs for the 2011 to 2015 period is provided in the following table.

Training/Conferences totals	2011	2012	2013	2014BY	2015TY
Training Operations/maintenance	31,630	13,417	10,572	25,000	25,500
Training other	24,785	6,120	6,501	25,950	26,500
conferences - all departments	46,314	24,279	8,716	21,050	21,500
Totals	**102,729**	**43,816**	**25,789**	**72,000**	**73,500**

Operations and training maintenance includes the following items; operator training, line training, safety day, CVOR training, effective supervision, cable locating and equal potential grounding.

Other training includes; customer service software training, NorthStar billing system, UCS, Loris technologies and the MDMR/IESO. Additional training includes courses such as the MEARIE Masters Certificate in Energy Sector Leadership program and Cayenta financial system training.

Conferences for all departments includes various MEARIE conferences as well as conference specific to various systems.

4.0-VECC-27

Reference: E4/T1/S2 Smart Meter Incremental Operating Costs

Preamble: The purpose of this interrogatory is to understand the elements which have caused billing and collection to increase from 2010 to 2014).

a) Please compare the cost components of Billing and Collection USoA accounts 5305, 5310, 5315, 5320,5325, 5335, 5340 for 2010 for Board approved 2011 and 2015 forecast

Response:

a) A Billings and Collection account table is provided below. The table includes account 5345 in order to reconcile with Board Appendix 2-JA. As evident in the table, despite increased bad debt expense, billing and collection costs have decreased from the 2011 Board Approved to the 2015TY. The decrease in costs is partially attributed to the increased collection activity charges for water and sewer accounts. These costs are recovered in the Water and Sewer SLA and are recorded in account 5330.

BILLING AND COLLECTION COSTS

		2011 COS	2011 Actual	2012 Actual	2013 Actual	2014 BY	2015 TY
5305	Supervision	90,778	94,063	71,130	73,762	81,614	83,328
5310	Meter Reading Expense	114,486	86,128	211,700	142,324	120,000	122,520
5315	Customer Billing	519,856	508,725	493,923	437,573	553,691	565,319
5320	Collecting	443,330	344,043	429,204	421,549	371,528	379,330
5325	Short & Over	-	300	293	(85)	-	
5330	Collection Charges	(123,042)	(232,733)	(313,643)	(307,300)	(310,000)	(310,000)
5335	Bad Debt	81,000	181,401	144,856	100,586	120,000	122,520
5340	Miscellaneous	1,722	574	1,712	225	2,000	2,042
5345	Community Relations	5,000	-	-	410	-	-
Total Customer Service		**1,133,130**	**982,501**	**1,039,175**	**869,044**	**938,833**	**965,058**

4.0-VECC-28

Reference: E4/T1/S/pg.11

a) STEI has identified a $965,058 adjustment (addition) related to smart meters. Please show how this number is derived. Please also show if/how any reduction in meter reading costs is factored into this number.

Response:

a) STEI total billing and collecting cost for the 2015TY is $965,058 which is 14.8% or $168,072 less than the 2011 Board Approved amount of $1,133,130. The following table provides the Billing and Collecting costs from 2011 to the 2015TY

BILLING and COLLECTING EXPENSES

	2011 Approved	2011 Actual	2012 Actual	2013 Actual	2014 Budget	2015 Test Year
Billing	697,716	654,764	751,778	626,534	726,457	741,713
Collecting	477,456	424,727	456,187	448,814	402,376	410,826
B&C	**1,175,172**	**1,079,491**	**1,207,965**	**1,075,348**	**1,128,833**	**1,152,538**
Bad Debt	81,000	181,401	144,856	100,586	120,000	122,520
Collection Charges	(123,042)	(278,391)	(313,646)	(306,890)	(310,000)	(310,000)
TOTAL	**1,133,130**	**982,501**	**1,039,175**	**869,044**	**938,833**	**965,058**
Smart Meter adjustment	-	-	(110,000)	-	-	-
Normalized O&M	**1,133,130**	**982,501**	**929,175**	**869,044**	**938,833**	**965,058**

In support of STEI's Smart Meter Rate Application EB-201-0348, STEI estimated approximately $15,000 of savings associated with the change from manual meter reading costs to remote meter reading costs.

4.0-VECC-29

Reference: E4/T1/S4/pg.6 & E4/T1/S5/pg.6 Corporate Cost Allocation

a) STEI states that a management fee of $450,000 was paid to AGI in 2013. At the second reference the table for 2013 Corporate Cost Allocation shows an amount allocated for Corporate Governance and Board of Directors 521). Please reconcile this difference.

Response:

a) STEI paid $450,000 to AGI in 2013 which included $26,521 of STEI Board of Director costs.

STEI is governed by a six member Board of Directors whose mandate is to oversee the management of STEI's affairs and to enhance managements' decision making for the purpose of improving the performance of the corporation including: Financial Reporting and Disclosure, Strategic Planning, Business Planning, Risk Management and Human Resources. The Directors are actively engaged in the governance role for STEI**.**

The Board costs are paid through AGI. STEI used this approach to disclose the STEI's Board of Director costs that are embedded in the total AGI fee.

4.0-VECC-30

Reference: E4/T2/S2/Appendix 2-JC

a) Please revise Appendix 2-JC to show the MIFRS transition year 2012 in CGAAP.

Response:

a) There is no revision required as, in conjunction with the restructuring, management made two non-discretionary changes in accounting policy as required by the Board's July 17, 2012 letter to all distributors entitled "regulatory accounting policy direction regarding changes to depreciation expense and capitalization policies in 2012 and 2013." These changes were made both for regulatory reporting and for external financial reporting purposes. The main areas impacted by the change in presentation are to amortization of Capital Assets and an increase in OM&A costs.

Additionally, the restructuring reduced the value of the of the capital additions.

In summary, STEI made changes in 2012 under CGAAP that mirror MIFRS therefore, no change, no restatement required as the amounts reported in Board Appendix 2-JC are CGAAP that are similar to IFRS.

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Exhibit 5

5.0-VECC-31

Reference: E5/T1/S2 & STEI_OEB Filing Requirements-Chapter2_appndices Excel Filing

a) The evidence states that STEI is using a long-term debt rate of 4.88%. However the associated Excel spreadsheet at Appendix 2-OB shows the rate to be 7.40%. Please reconcile this discrepancy.

Response:

a) STEI is using the deemed long-term debt rate of 4.88% for rate setting, revenue requirement purposes within the 2015 COS Rate Application. The 7.40% provided in Board Appendix 2-OB and provided below shows STEI's actual long-term debt rate.

Year 2015

Row	Description	Lender	Affiliated or Third-Party Debt?	Fixed or Variable-Rate?	Start Date	Term (years)	Principal ($)	Rate (%) (Note 2)	Interest ($) (Note 1)	Additional Comments, if any
1	Promisory Note Mat	City of St. Thomas	Affiliated	Fixed Rate	15-Nov-10	6	$ 7,714,426	9.0%	$ 606,797.73	319 days
	Promisory Note	City of St. Thomas	Affiliated	Fixed Rate	15-Nov-15	6	$ 7,714,426	5.0%	$ 48,611.45	46 days
2	Term Loan - Revolvir	Bank of Nova Scot	Third-Party	Variable Rate		2	$ 3,500,000	5.0%	$ 175,000.00	
3									$ -	
11									$ -	
12									$ -	
Total							$ 11,214,426	7.40%	$ 830,409.18	

5.0-VECC-32

Reference: E5/T1

a) Please provide STEI's actual and regulated return on equity for each of 2011 through 2013.

Response:

a) STEI's actual and deemed regulated return for the years 2011 through 2013 is as follow:
   a. 2011 COS Board Approved deemed ROE 9.58%
   b. 2011 Actual 7.31%
   c. 2012 Actual 1.31%
   d. 2013 Actual 10.77%

The 2012 ROE of 1.31% was negatively impacted by a number of factors including restructuring costs from a virtual utility to an operating utility as well as an OEB payment-in-lieu tax decision that reduced STEI's variable revenues.

2013 ROE of 10.77% was positively impacted by a number of factors including one-time recoveries of HST and DRC related to historical bad debts, recovery of OPA ERIP funding and reduced income taxes due to the recognition of various tax credits, loss carry forward and excess CCA.

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Exhibit 7

7.0-VECC-33

Reference: 7/T1/S1, pg. 2-3

a) Please indicate what is reflected in the $379,330 of Collecting costs (Acct. #5320).

b) Please explain how/why the low volume of bills issued to Street Lighting and Sentinel Light impacts on the weighting factor for billing and collecting – since weighting is meant to reflect the relative cost per bill.

c) Please indicate how the proposed billing and collecting weighting factors account for the fact that for Residential and GS<50 customers with smart meters data verification is performed by the IESO whereas for the GS>50 class this activity must be performed by STEI.

Response:

a) Account 5320 is comprised of labour and benefits as well as other costs such as; banking fees, hand delivered notices, disconnect and reconnection costs and credit bureau fees.

b) Please see the response to part c) in which the billing and collecting weighting factors are explained.

c) STEI identified 26 2014BY budget line items. The Director of Customer Service applied a weighting factor for each of the items to the customer classes.

The cost associated with each budget item was then multiplied by the factor and divided by the total weighted customer count to derive an allocated cost per line item.

An example of this is provided in the table on the following page:

		Customers, 2015 Forecast						Allocated Cost				
		Res	GS<50	GS>50	Strt Lgt	Sent Lgt	Total	Res	GS<50	GS>50	Strt Lgt	Sent Lgt
	2014 B	15,099	1,709	147	2	2	Customers					
Olameter Inc.	168,000	1	1	1	-	-	16,955	9.91	9.91	9.91	-	-

For this budget item, STEI allocated cost, based upon effort, equally across the residential, GS < 50 kW and GS > 50 kW customers.

This allocation was performed for each budget item. The allocated cost is impacted by the individual budget item amount.

STEI performed a similar calculation for the internal labour costs and added to two scores together to achieve the following weighting factors.

	Weighting Factors				
	Res	GS<50	GS>50	Strt Lgt	Sent Lgt
26 budget items	50.71	50.71	47.89	29.85	26.63
labour	22.47	13.62	6.53	6.53	6.53
Total	73.18	64.33	54.42	36.38	33.16
Weighting factor	1.00	0.88	0.74	0.50	0.45

7.0-VECC-34

Reference: 7/T1/S3,pg.3

a) Please explain why the R/C ratio for the GS<50 class was adjusted when it is already significantly higher than that for the GS>50 class.

b) What would be the change required to the GS>50 class ratio if all of the revenue deficiency from reducing the ratio for the Sentinel Light class was assigned to GS>50?

Response:

a) The GS<50 class has a revenue to cost ratio below 100%. St. Thomas is of the view that the revenue deficiency resulting from reducing the revenue to cost ratio for the Sentinel Light class should be made up by all customer classes that have revenue to cost ratios below 100%.

b) Please see response to Energy Probe IR # 41

7.0-VECC-35

Reference: 7/T1/S3,pg.10

a) Please confirm that the Street Light values reported in Table O2 are calculated on a per connection basis.

Response:

a) Confirmed, the Street Light values reported in Table O2 are calculated on a per connection basis.

St. Thomas energy inc.
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File Number: EB-2014-0113

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Exhibit 8

8.0-VECC-36

Reference: 8/T1/S1/pg.5

3/T1/S3, Attachment 1, Schedule 5

Cost Allocation Model, Sheet I6.2

a) The Elenchus Load Forecast, the Rate Design (8/T1/S1. Page 5) and the Proposed Tariff Sheet (8/T1/S9, Attachment 2, page 5) all indicate that the number of forecast connections for 2015 is 4,918. However, Sheet I6.2 suggests that 4,918 is the number of devices and that the number of Street Light connections is 3,607. Please reconcile.

b) Please indicate how the ratio of devices to connections was determined.

Response:

a) The number of connections is 4,918.

b) Sheet I6.2 adjusts the number of devices to the number of connections, as 60% of the devices are on one connection and 40% of the connections have 3 devices. This is consistent with the 2011 model.

8.0 –VECC -37

Reference: 8/T1/S8,pg.2

a) Please explain why the Supply Facilities Loss Factor used in Appendix 2-R (Row H) is not the 1.0035 value noted in the evidence (line 3).
b) The 5-year average noted for Row G (1.0175) is less than any of the individual annual values. Please explain.
c) Should the values included in Row H all be increased by 1.0?
d) Please revise Appendix 2-R as needed.

Response:

a) The Supply Facilities Loss Factor shown in Row H of Appendix 2-R is in error, the value of 1.0035 noted in the evidence is correct. STEI is using the same SFLF as provided in its 2011 COS application.
b) Line B should have had zero entered for each of the years with no figures. That remedies the 5-year averages on line B and on line G.
c) As explained in part a) the correct value for all years is 1.0035.
d) Please see the revised Appendix 2-R on the following page which results in a total loss factor of 1.0393 as compared to the 1.0360 in the original Apendix.

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Appendix 2-R
Loss Factors

		Historical Years					5-Year Average
		2009	2010	2011	2012	2013	
	Losses Within Distributor's System						
A(1)	"Wholesale" kWh delivered to distributor (higher value)	302,033,075	306,541,878	306,508,299	300,791,435	287,972,090	300,769,355
A(2)	"Wholesale" kWh delivered to distributor (lower value)	300,979,646	306,541,878	306,508,299	300,791,435	287,972,090	300,558,670
B	Portion of "Wholesale" kWh delivered to distributor for its Large Use Customer(s)	6,569,872	-	-	-	-	1,313,974
C	Net "Wholesale" kWh delivered to distributor = **A(2) - B**	294,409,774	306,541,878	306,508,299	300,791,435	287,972,090	299,244,695
D	"Retail" kWh delivered by distributor	289,185,003	298,005,675	295,038,343	291,171,874	277,727,633	290,225,706
E	Portion of "Retail" kWh delivered by distributor to its Large Use Customer(s)	6,504,824	-	-	-	-	1,300,965
F	Net "Retail" kWh delivered by distributor = **D - E**	282,680,179	298,005,675	295,038,343	291,171,874	277,727,633	288,924,741
G	Loss Factor in Distributor's system = **C / F**	1.0415	1.0286	1.0389	1.0330	1.0369	1.0357
	Losses Upstream of Distributor's System						
H	Supply Facilities Loss Factor	1.0035	1.0035	1.0035	1.0035	1.0035	1.0035
	Total Losses						
I	Total Loss Factor = **G x H**	1.0451	1.0322	1.0425	1.0367	1.0405	1.0393

2

3

8.0-VECC-38

Reference: E9/T1/S10

a) Were the conventional meters installed by STEI removed by STEI for the Residential and GS<50 class of the same type. If not please:
   i. provide a revised stranded meter rate rider using the last Board approved (2011) cost allocation model (see Sheet I7.1); and,
   ii. provide a revised stranded meter rate rider using the costs of smart meters to the classes as the allocator.

Response:

a) As the conventional meters installed and removed by STEI for the Residential and GS<50 class were not the same type, STEI has prepared a revised stranded meter rate rider that is provided at the end of this response.

Board Staff asked a similar question in IR 9-42, following is the response to that IR.

STEI has calculated the weighted average of the installed meter costs based upon the number of meters removed per the Board Smart Meter model included in Board Decision and Order EB-2012-0348 and the average installed metered costs based upon the cost allocation model included in EB-2010-0141, Sheet I7.1.

As provided in the following table, 80.5% of the stranded meter costs would be recovered from the residential customer class and 19.5% from the GS < 50 kW customer class.

	Meters Removed from Service	Average meter installed costs	Total	weighted Average
Residential	14,632	50.00	731,600	80.5%
GS < 50 kw	1,655	107.26	177,515	19.5%
	16,287		909,115	

Using the same customer forecast included in the 2015 COS application the stranded meter rate rider would change from $0.42 per residential and GS < 50 kW customer to $0.37 per residential customer and $0.79 per GS < 50 kW customer over a five-year period commencing January 1, 2015.

STRANDED METER RECOVERY AS AT JANUARY 1, 2015		
Gross assets		2,278,507
Accumulated Depreciation		(1,690,378)
Book Value		**588,129**
Contriubted Capital		(295,793)
Accumulated Depreciation		130,168
Book Value		**(165,625)**
Stranded Meter Net Book Value		**422,504**
Residential		80.5%
GS < 50 kW		19.5%
Total		**100%**
Residential Recovery		**340,005.20**
GS < 50 Recovery		**82,498.80**
Total		**422,504.00**
2015 Customer Forecast		
Residential		15,120
GS < 50 kW		1,737
Total		**16,857**
Residential Recovery per customer		**22.49**
# of Years	**5**	**4.50**
Rate rider per month		**0.37**
GS < 50 kW Recovery per customer		**47.49**
# of Years	**5**	**9.50**
Rate rider per month		**0.79**