

October 22, 2014

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

Re: 2015 IRM4 Rates Application
Rate Zones: Chatham-Kent, Strathroy, Mount Brydges & Parkhill
Board File No.: EB-2014-0064

Dear Ms. Walli,

On October 20, 2014, Entegrus Powerlines Inc. ("Entegrus") filed a complete 2015 IRM4 rate application for proposed rates effective May 1, 2015. The application included proposed disposition of LRAMVA accounts for the Entegrus Chatham-Kent ("CK") and Strathroy, Mount Brydges & Parkhill ("SMP") rate zones.

Subsequently, on October 21, 2014, Entegrus unexpectedly received revised LRAMVA reports from its third party consultant. The revised reports for CK LRAMVA and SMP LRAMVA are included as Attachment A and B, respectively, to this letter.

The table below summarizes the dollar impact of these revisions.

Rate Zone	Original Oct20/14 Proposed LRAMVA Claim as Filed	Revised Oct21/14 Proposed LRAMVA Claim as Attached	Difference
CK	\$103,601.66	\$106,584.81	\$2,983.15
SMP	\$15,641.48	\$16,991.74	\$1,350.26
	\$119,243.14	\$123,576.55	\$4,333.41

The revisions are the result of the following updates:

- The prior year LRAMVA "Amount Disposed" has been updated on page 35 of each report; and,
- Energy savings persistence data for 2012 related to the Home Assistance Program has been corrected.

Entegrus has provided these revised LRAMVA reports in order to ensure that the Board has the latest available information relevant to the Entegrus application. However, given the relatively minor impact of these LRAMVA revisions – and in consideration of the forthcoming normal IRM process updates that will require further adjustment to the application (i.e. UTRs, inflation factor

update and other updates that may arise) – Entegrus proposes that the update to the application for the \$4,333 LRAMVA difference be deferred until such time as the next change occurs.

If you have any further questions, please do not hesitate to contact us.

Regards,

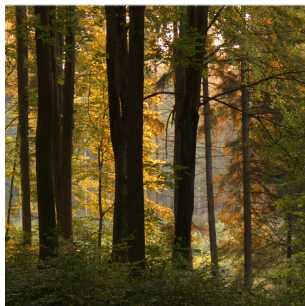
[Original Signed By]

David Ferguson
Director of Regulatory and Administration
Phone: 519-352-6300 Ext 558
Email: david.ferguson@entegrus.com

cc: Dan Charron, President
Chris Cowell, Chief Financial and Regulatory Officer
Andrya Eagen, Senior Regulatory Specialist

Attachment A
LRAMVA Third Party Report
Revised October 21, 2014
CK Rate Zone

Entegrus (Chatham-Kent) 2013 LRAMVA



Entegrus (Chatham-Kent) lost revenue related to Conservation and Demand Management

2013



This document was prepared for Entegrus Powerlines by IndEco Strategic Consulting Inc.

For additional information about this document, please contact:

IndEco Strategic Consulting Inc.
77 Mowat Avenue, Suite 412
Toronto, ON, Canada
M6K 3E3

Tel: 416 532-4333
E-mail: info@indeco.com

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IndEco report B3856 (CK 2013)

17 October 2014

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Introduction

The Lost Revenue Adjustment Mechanism (LRAM) was developed to remove the disincentive to electricity local distribution companies (LDCs) from conservation and demand management (CDM) programs. CDM programs are designed to provide energy savings and peak demand reductions for the customers of LDCs, which would directly impact the LDC's revenue. The LRAM allows LDCs to be compensated for any lost revenue that may occur due to CDM programs in the LDC's service territory.

For the 2011-2014 CDM period, the Ontario Energy Board (OEB) has authorized LDCs to establish an LRAM variance account (LRAMVA) to capture the impact of CDM programs on the revenue of LDCs. The variance in the LRAMVA is between the lost revenue due to independently verified load impacts of CDM and the lost revenue from any CDM impacts an LDC may have included in the LDC's load forecast.¹

Entegrus Powerlines is an amalgamation of Middlesex Power Distribution Corporation (MPDC) with Chatham-Kent Hydro that came into effect in 2012. Entegrus (Chatham-Kent) and Entegrus (MPDC) will be dealt with separately for LRAMVA purposes, as they each have different rates and rate classes.

Entegrus has contracted with the Ontario Power Authority (OPA) to offer a suite of CDM programs to customers in a variety of rate classes for the 2011-2014 period. The CDM Guidelines (Appendix A) show that LDCs are entitled to claim lost revenues from 2013 programs and persisting losses from 2011 and 2012 programs as part of their 2015 IRM applications.

Entegrus submitted a claim for lost revenues from 2011 and 2012 programs in its 2014 Incentive Regulation Mechanism (IRM) application. This report involves a determination of the variance account balance for the following revenue losses:

- Lost revenues in 2013 related to programs offered in 2011
- Lost revenues in 2013 related to programs offered in 2012
- Lost revenues in 2013 related to programs offered in 2013.

The carrying charges on the above lost revenues through April 2015 are also reported.

¹ *Guidelines for Electricity Distributor Conservation and Demand Management*. Ontario Energy Board. April 26, 2012 (EB-2012-0003).

Methodology

In principle, the determination of lost revenues is a simple calculation:

$$\text{LR} = (\text{CDM results} - \text{CDM results in the load forecast}) * \text{rate}$$

In practice, it is somewhat more complicated than that because of the limitations of the information available to calculate CDM results, the different time periods of results data and the rate year, and the need to determine carrying charges on the lost revenues.

CDM results

From 2011 through 2013, Entegrus (Chatham-Kent) offered provincial programs that were offered in partnership with the Ontario Power Authority (OPA). Entegrus (Chatham-Kent) did not offer custom programs beyond the OPA programs.

OPA evaluation results

The OPA performs evaluations of all of its programs, which examine gross energy savings from the programs, and the net-to-gross ratio (NTGR), and then from those calculates net energy savings by initiative within program group (residential, business, industrial and low-income). Peak load reductions are also calculated, and reported in the same way.

Provincial results are allocated to individual LDCs based on their individual performance where possible, or through an allocation process.

The OPA reports energy savings and peak demand reductions, by initiative in the current year, adjustments to the previous year, based on updated validation, and contribution to total savings or reductions to the end of the 2011 to 2014 period. The savings and demand reductions for a particular year for a number of programs persist in the following years up to and including 2014. The savings and demand reductions for demand response programs do not persist beyond the year in which those particular savings and demand reductions occur.

For some programs, savings or demand reductions in a particular year persist into subsequent years, but do not persist fully through 2014. In these cases, the OPA was requested to provide estimates by year of the persistence of savings or reductions in each year.

These are the best, most definitive and defensible estimates of results associated with these programs, and incorporate the most appropriate estimates of results from the measures installed.

However, these data have some limitations, and require some adjustments for use in lost revenue calculations.

Allocating results to rate classes

The OPA reports results by ‘program’, within four main programs: residential, business, industrial and low-income. These only partially map onto rate classes. For initiatives that apply to more than one rate class, Entegrus staff estimated the split by rate class, drawing on participant-specific information where available.

Adjustments for results that do not affect revenues

As previously mentioned, the OPA reports both energy savings and reductions in [system] peak demand. Depending on the rate class, distribution revenue is based on either kilowatt-hours used, or the customer’s monthly peak kilowatt use. For rate classes where the customer is charged for distribution by energy use (kWh), the OPA-reported energy savings are directly relevant.

For customer classes where the LDC charges for distribution based on the customer’s peak monthly demand (kW in the month), the system peak reductions are only partially relevant. For initiatives like lighting upgrades in businesses operating during normal business hours, the peak demand reductions are likely to be maintained throughout the year, including during the customer’s monthly peaks, and so may be used to estimate lost revenue. For other programs, in particular demand response programs, the customer’s monthly peak may not correspond to the system’s peak. Further, even if they are coincident, if a demand response event is called, and the customer’s monthly peak is shaved, it is likely that the customer’s second highest peak in the month is only slightly less than their highest peak. Thus, the impact on distribution revenues of the demand response program is likely to be minimal, and is assumed to have zero impact on lost load.

Thus, no distribution revenues are estimated to be lost from large general service customers’ participation in demand response programs.

Load reductions accounted for in the load forecast

In recent years, LDCs have tried to account for load losses due to CDM programs in their load forecasts, submitted as part of their Cost of Service applications. These forecasted reductions need to be deducted from load losses attributable to CDM programs, to determine the final impact of CDM on revenues. That is, the impact is the *variance* between the results accounted for in the load forecast and the results attributable to the programs.

Overall impact of CDM on load, by rate class

The overall impact of CDM energy savings and demand reductions on load is calculated from the OPA energy savings and peak demand reductions, allocated by rate class, and adjusted for differences between system peak reductions and customer monthly peak reduction. Finally the difference is calculated between the overall estimated

impact on loads and the load reductions attributable to CDM that were captured in the most recent load forecast.

Distribution rates

Lost revenues for the LDC associated with CDM arise from reductions in the volumetric distribution rate. Most other rate components (e.g. service charges, global adjustment, transmission charges) are either fixed charges, or are just pass-throughs for the utility, so do not affect the LDC's revenues. An exception is for certain rate riders related to taxes, and these are added to the volumetric distribution charges, where applicable.

For most electricity distribution utilities in Ontario, including Entegrus (Chatham-Kent), distribution rates are set for the period from 1 May to 30 April of the next year. CDM results are reported for the calendar year, so average rates for the calendar year need to be calculated. For simplicity, the average rate is estimated based on the rate being four twelfths of the previous year's rate (for January through April), and eight twelfths of the current year's rate (for May through December).

Lost revenues variance

Lost revenues in a particular rate class are the product of the savings or demand reductions in that class, less what was accounted for in the load forecast, multiplied by the average rate for that class in the calendar year for which the energy savings or demand reductions were reported.² The variance is the difference between these lost revenues and the quantity of CDM in the load forecast.

Because these revenues are lost throughout the year, and are only recovered through rate riders in subsequent years, the Ontario Energy Board has permitted the LDCs to claim carrying charges on these lost revenues at a rate prescribed by the OEB, and published on the Board's website. The carrying charges are simple interest, not compounded and are calculated on the monthly variance account opening balance. Because the OPA final results estimates are reported annually, and monthly estimates are not available, the incremental results are assumed to be equally distributed across the months. So 1/12 of the annual results are allocated to January, and 12/12 of the annual results to December.

Carrying charges accrue from the time of the results, until disposition.

These lost revenues are reported by the LDC in their financial statements in Account 1568, and the associated rate class-specific sub-accounts.

² Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to – usually twelve.

Results

Following the methodology described above, lost revenues were calculated for Entegrus (Chatham-Kent).

CDM results

OPA evaluation results

CDM results reported by the OPA are in Appendix A. The Appendix consists of the following tables:

- The verified final 2011, 2012, and 2013 results for Entegrus as a whole are shown in Table 1
- The adjustments to verified final 2011 and 2012 results for Entegrus as a whole are shown in Table 2.³

The gross results were provided by the OPA, but are not included in this report, as only net results are relevant for the purposes of estimating lost revenues.

Table A-1 in Appendix A shows the estimated persistence of 2011 results into future years. Table A-2 in Appendix A shows the persistence of 2012 results into future years. Table A-3 in Appendix A shows the persistence of 2013 results through 2014. Table A-4 in Appendix A shows the persistence of 2011 adjustments into future years. Table A-5 in Appendix A shows the persistence of 2012 adjustments into future years. The OPA has provided LDCs with persistence data for all results and adjustments except for 2011 results. The persistence of 2011 results were estimated based on the contribution of 2011 results to 2014 targets reported by the OPA with the 2011 final results. Some 2011 program results were seen to not persist fully through 2014. For 2011 program results that persist into future years and do not persist fully through 2014, the results or adjustments are assumed to persist until the end of 2013. Any drop in persistence is assumed to occur in 2014.

The OPA provided 2011 results for Chatham-Kent Hydro and Middlesex Power Distribution Corporation separately, but provided 2012 and 2013 results and 2011 and 2012 adjustments for Entegrus as a whole. As the subsets of Entegrus' service territory that were previously Chatham-Kent Hydro and Middlesex Power Distribution Corporation have different rate classes and rates, they must be handled as separate rate zones for lost revenue purposes. The percentages of load in each rate class for each year were used to allocate the results and adjustments between the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation. The percentage allocation of load (in kW or kWh, depending on the billing

³ *Entegrus OPA Annual CDM Report 2013 - Final Verified Results*. Ontario Power Authority. August 29, 2013.

units of each rate class) by rate class for the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation is shown in Tables A-6 (2012) and A-7 (2013) in Appendix A. Where rate classes match, the totals do not always add up to 100%, as Entegrus also includes two very small additional amalgamated previous service territories of Dutton and Newbury. The populations in both Dutton and Newbury are so small that it was assumed that they did not significantly contribute to CDM results.

Allocating results to rate classes

Entegrus staff provided information on the allocation of results to rate classes. In most cases, the allocation is straightforward. Initiatives that can span multiple rate classes include Retrofit, Building Commissioning, New Construction, Energy Audit, Demand Response 3, Process & Systems Upgrades, Monitoring & Targeting, Energy Manager, Electricity Retrofit Incentive Program and High Performance New Construction. No allocation was provided for programs for which Entegrus (Chatham-Kent) has no program results.

Entegrus (Chatham-Kent) bills customers in different rate classes using different volumetric units, either kilowatt hours (kWh), or customer peak monthly kilowatts (kW). The rate classes (and billing unit) for Entegrus (Chatham-Kent) are:

- Residential (kWh)
- GS <50 kW(kWh)
- GS 50 to 999 kW (kW)
- GS 1,000 TO 4,999 kW (kW)
- Intermediate with Self Generation (kW)
- Unmetered Scattered Load (kWh)
- Standby Power (kW)
- Sentinel Lighting (kW)
- Street Lighting (kW)
- Microfit Generator (N/A).

Table B-1 in Appendix B shows the percentage allocation by rate class for 2011 adjustments. Table B-2 in Appendix B shows the percentage allocation by rate class for 2012 adjustments. Table B-3 in Appendix B shows the percentage allocation by rate class for 2013 results.

Adjustments for results that do not affect revenues

The only adjustments relate to rate classes that are billed by customer peak kilowatt in the month. The only initiative that is affected is the Demand Response 3 program, for which no lost revenues are attributed to the reported demand reductions.

Load reductions accounted for in the load forecast

Entegrus (Chatham-Kent)'s last cost of service application was filed in 2010. The load forecast associated with that application did not account for load losses from 2011 – 2014 CDM programs.

Overall impact of CDM on load, by rate class

Multiplying the energy savings or demand reduction reported for Entegrus (Chatham-Kent) for each program by the allocation by rate class provides the impact on load of that CDM program within the appropriate rate class. The sum of the energy savings and demand reductions for all of the programs for each rate class, with adjustments for results that do not affect revenue provides the overall impact of CDM on load by rate class.

Table B-4 in Appendix B shows the overall impact of CDM on load, by rate class for 2011.

Table B-5 in Appendix B shows the overall impact of CDM on load, by rate class for 2012.

Table B-6 in Appendix B shows the overall impact of CDM on load, by rate class for 2013.

Distribution rates

The distribution rates that impact lost revenue for each rate class for Entegrus (Chatham-Kent) are shown in Table C-1 in Appendix C. The distribution rates for the period from 1 May of each year to 30 April of the next year are pro-rated by number of months to each calendar year in the 2011 to 2014 time period.

Lost revenues

The lost revenues for each year by rate class for Entegrus (Chatham-Kent) calculated from final CDM program results are shown in Table C-2 in Appendix C. The lost revenue for 2011 is based on the CDM program results and adjustments to the 2011 results allocated by rate class and multiplied by the 2011 rate for that rate class. The lost revenue for 2012 is based on the 2012 CDM program results and adjustments to the 2012 results plus the persistence of the 2011 program results in 2012 allocated by rate class and multiplied by the 2012 rate for that rate class. The lost revenue for 2013 is based on the CDM program results plus the persistence of the 2011 and 2012 program results in 2013 allocated by rate class and multiplied by the 2013 rate for that rate class.

The lost revenue for 2011-2013 is based on final verified results provided by the OPA.

In Entegrus' 2014 IRM process (EB-2013-0120), disposition of the 2011 and 2012 lost revenue amounts in Account 1568 was approved. The breakdown of these amounts by rate class is also shown in Table C-2.

The disposed values vary from the 2011 and 2012 lost revenue calculated for this report due to retroactive adjustments made by the OPA to the results of these previous years that were provided with the 2013 final results.

Carrying charges

The monthly carrying charges by rate class on Entegrus (Chatham-Kent)'s lost revenue variance are shown in Table C-3 in Appendix C. The carrying charges are reported monthly, from the time the lost revenues resulted, through to April 30, 2015.

In Entegrus' 2014 IRM process (EB-2013-0120), disposition of the carrying charges to April 30, 2014 on the 2011 and 2012 lost revenue amounts in Account 1568 was approved. The breakdown of these amounts by rate class is also shown in Table C-3. The disposed values vary from the carrying charges on the 2011 and 2012 lost revenue calculated for this report due to retroactive adjustments made by the OPA to the results of these previous years that were provided with the 2013 final results.

Conclusions

The LRAMVA balance at the end of December 2013 for Entegrus (Chatham-Kent) that includes results from 2013 CDM programs and adjustments to 2011 and 2012 results is \$103,835.16. The total carrying charges on this LRAMVA balance accumulated to April 30, 2015 are \$2,749.65. These balances are attributable to individual rate classes according to the following table:

Rate class	LRAMVA	Carrying charges	Total
Residential	\$21,022.75	\$554.54	\$21,577.30
GS < 50 kW	\$47,885.63	\$1,272.14	\$49,157.77
GS 50 to 999 kW	\$22,898.86	\$606.16	\$23,505.03
GS 1,000 TO 4,999 kW	\$8,765.80	\$230.89	\$8,996.69
Intermediate with Self Generation	\$3,262.11	\$85.92	\$3,348.03
Total	\$103,835.16	\$2,749.65	\$106,584.81

NOTE: There is no LRAMVA or carrying charge associated with rate classes not included in this table.

Appendix A.CDM results reported by the OPA

Table 1: ENTEGRUS 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)	
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program															
Appliance Retirement	Appliances	421	301	182		24	18	12		177,892	119,701	76,967		54	1,224,402
Appliance Exchange	Appliances	32	28	35		3	4	7		3,098	7,322	12,930		12	58,061
HVAC Incentives	Equipment	1,040	868	810		318	182	160		569,794	303,127	264,990		659	3,718,537
Conservation Instant Coupon Booklet	Items	3,719	223	2,507		9	2	4		136,065	10,104	55,697		14	685,963
Bi-Annual Retailer Event	Items	6,880	7,666	6,827		12	11	9		212,360	193,530	124,145		31	1,678,322
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	232	0	765		130	0	341		336	0	603		0	940
Residential Demand Response (IHD)	Devices	0	0	765		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						495	216	533		1,099,545	633,784	535,332		770	7,366,225
Business Program															
Retrofit	Projects	43	82	86		112	711	458		520,887	4,149,424	2,612,541		1,231	19,568,953
Direct Install Lighting	Projects	53	253	117		58	201	134		144,062	782,496	466,827		379	3,806,878
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	0	0	0		0	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		68	68	69		2,636	984	917		0	4,536
Business Program Total						237	980	661		667,585	4,932,904	3,080,285		1,609	23,380,367
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	2	2		0	141	101		0	246,600	176,580		243	1,092,960
Retrofit	Projects	4	0	0		10	0	0		70,196	0	0		10	280,785
Demand Response 3	Facilities	2	0	1		754	0	0		44,275	0	0		0	44,275
Industrial Program Total						765	141	101		114,471	246,600	176,580		253	1,418,020
Home Assistance Program															
Home Assistance Program	Homes	0	163	1,137		0	18	58		0	228,459	773,555		74	2,211,409
Home Assistance Program Total						0	18	58		0	228,459	773,555		74	2,211,409
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	18	0	0		111	0	0		707,984	0	0		111	2,831,935
High Performance New Construction	Projects	0	0	0		1	1	0		2,786	791	0		1	13,519
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						112	1	0		710,770	791	0		113	2,845,454
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						-26				0	-27				-14,890
Adjustments to 2012 Verified Results						21					21				532,264
Energy Efficiency Total						657	1,288	944		2,545,124	6,041,553	4,564,232		2,820	37,171,724
Demand Response Total (Scenario 1)						952	68	409		47,247	984	1,520		0	49,751
Adjustments to Previous Years' Verified Results Total						0	-26	21		0	-3,240	177,421		-6	517,374
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						1,609	1,329	1,374		2,592,371	6,039,297	4,743,174		2,814	37,738,850
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.								Full OEB Target:				12,120	46,530,000
										% of Full OEB Target Achieved to Date (Scenario 1):				23.2%	81.1%

Table 2: Adjustments to ENTEGRUS 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	-145	20			-39	4			-69,288	7,114		
Conservation Instant Coupon Booklet	Items	59	0			0	0			1,992	0		
Bi-Annual Retailer Event	Items	591	0			1	0			15,778	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						-38	4			-51,519	7,114		
Business Program													
Retrofit	Projects	4	8			10	14			41,693	159,424		
Direct Install Lighting	Projects	2	4			2	3			6,585	10,883		
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						12	17			48,278	170,307		
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						-26				-3,240			
Adjustments to 2012 Verified Results							21				177,421		
Total Adjustments to Previous Years' Verified Results						-26	21			-3,240	177,421		

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 A-1: Estimated persistence of 2011 results into future years

		Persistence of 2011 savings					
		2012		2013		2014	
#	Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program							
	1 Appliance Retirement	18	128,583	18	128,583	17	128,380
	2 Appliance Exchange	2	2,256	2	2,256	0	593
	3 HVAC Incentives	269	479,102	269	479,102	269	479,102
	4 Conservation Instant Coupon Booklet	7	107,884	7	107,884	7	107,884
	5 Bi-Annual Retailer Event	10	169,465	10	169,465	10	169,465
	6 Retailer Co-Op						
	7 Residential Demand Response						
	8 Residential Demand Response (IHD)						
	9 Residential New Construction						
Business Program							
	10 Retrofit	82	440,071	82	440,071	82	440,071
	11 Direct Install Lighting	45	108,271	45	108,271	39	92,719
	12 Building Commissioning						
	13 New Construction						
	14 Energy Audit						
	15 Small Commercial Demand Response (switch/pstat)						
	16 Small Commercial Demand Response (IHD)						
	17 Demand Response 3						
Industrial Program							
	18 Process & System Upgrades						
	19 Monitoring & Targeting						
	20 Energy Manager						
	21 Retrofit	10	70,196	10	70,196	10	70,196
	22 Demand Response 3						
Home Assistance Program							
	23 Home Assistance Program						
Pre-2011 Programs completed in 2011							
	24 Electricity Retrofit Incentive Program	92	595,574	92	595,574	92	595,574
	25 High Performance New Construction	1	2,786	1	2,786	1	2,786

Note: Persistence is based on net incremental and program-to-date contributions to 2014 targets reported by the OPA. Some program results do not persist into future years and others persist equally into future years. For programs that have persistence into future years and persistence is not equal to the saving in the first year, the savings are assumed to persist until the end of 2013 and any drop in persistence is assumed to occur in 2014.

Table A-2: Persistence of 2012 results into future years

Persistence of 2012 savings					
		2013	2014		
#	Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program					
1	Appliance Retirement	18	119,701	18	119,701
2	Appliance Exchange	4	7,322	4	7,322
3	HVAC Incentives	182	303,127	182	303,127
4	Conservation Instant Coupon Booklet	2	10,104	2	10,104
5	Bi-Annual Retailer Event	11	193,530	11	193,530
6	Retailer Co-Op				
7	Residential Demand Response (switch/pstat)				
8	Residential Demand Response (IHD)				
9	Residential New Construction				
Business Program					
10	Retrofit	704	4,125,352	676	4,032,561
11	Direct Install Lighting	201	782,496	196	761,672
12	Building Commissioning				
13	New Construction				
14	Energy Audit				
15	Small Commercial Demand Response (switch/pstat)				
16	Small Commercial Demand Response (IHD)				
17	Demand Response 3				
Industrial Program					
18	Process & System Upgrades				
19	Monitoring & Targeting				
20	Energy Manager	141	246,600	141	246,600
21	Retrofit				
22	Demand Response 3				
Home Assistance Program					
23	Home Assistance Program	17	217,283	17	217,283
Pre-2011 Programs completed in 2011					
24	Electricity Retrofit Incentive Program				
25	High Performance New Construction	1	791	1	791

Note: Persistence of results is as reported by the OPA.

Table A-3: Persistence of 2013 results through 2014

Persistence of 2013 savings		
2014		
# Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program		
1 Appliance Retirement	12	76,967
2 Appliance Exchange	7	12,930
3 HVAC Incentives	160	264,990
4 Conservation Instant Coupon Booklet	4	55,697
5 Bi-Annual Retailer Event	9	124,145
6 Retailer Co-Op		
7 Residential Demand Response (switch/pstat)		
8 Residential Demand Response (IHD)		
9 Residential New Construction		
Business Program		
10 Retrofit	443	2,565,528
11 Direct Install Lighting	134	466,827
12 Building Commissioning		
13 New Construction		
14 Energy Audit		
15 Small Commercial Demand Response (switch/pstat)		
16 Small Commercial Demand Response (IHD)		
17 Demand Response 3		
Industrial Program		
18 Process & System Upgrades		
19 Monitoring & Targeting		
20 Energy Manager	101	176,580
21 Retrofit		
22 Demand Response 3		
Home Assistance Program		
23 Home Assistance Program	57	752,478

Note: Persistence of results is as reported by the OPA.

Table A-4: Persistence of 2011 adjustments into future years

Persistence of 2011 adjustments						
# Initiative	2012		2013		2014	
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program						
1 Appliance Retirement						
2 Appliance Exchange						
3 HVAC Incentives	-39	-69,288	-39	-69,288	-39	-69,288
4 Conservation Instant Coupon Booklet	0	1,992	0	1,992	0	1,992
5 Bi-Annual Retailer Event	1	15,778	1	15,778	1	15,778
6 Retailer Co-Op						
7 Residential Demand Response						
8 Residential Demand Response (IHD)						
9 Residential New Construction						
Business Program						
10 Retrofit	10	41,693	10	41,693	10	41,693
11 Direct Install Lighting	2	6,585	2	6,585	1	4,657
12 Building Commissioning						
13 New Construction						
14 Energy Audit						
15 Small Commercial Demand Response (switch/pstat)						
16 Small Commercial Demand Response (IHD)						
17 Demand Response 3						
Industrial Program						
18 Process & System Upgrades						
19 Monitoring & Targeting						
20 Energy Manager						
21 Retrofit						
22 Demand Response 3						
Home Assistance Program						
23 Home Assistance Program						
Pre-2011 Programs completed in 2011						
24 Electricity Retrofit Incentive Program						
25 High Performance New Construction						

Note: Persistence of results is as reported by the OPA.

Table A-5: Persistence of 2012 adjustments into future years

		Persistence of 2012 adjustments			
		2013		2014	
#	Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program					
1	Appliance Retirement				
2	Appliance Exchange				
3	HVAC Incentives	4	7,114	4	7,114
4	Conservation Instant Coupon Booklet				
5	Bi-Annual Retailer Event				
6	Retailer Co-Op				
7	Residential Demand Response				
8	Residential Demand Response (IHD)				
9	Residential New Construction				
Business Program					
10	Retrofit	14	159,424	14	159,424
11	Direct Install Lighting	3	10,883	3	10,883
12	Building Commissioning				
13	New Construction				
14	Energy Audit				
15	Small Commercial Demand Response (switch/pstat)				
16	Small Commercial Demand Response (IHD)				
17	Demand Response 3				
Industrial Program					
18	Process & System Upgrades				
19	Monitoring & Targeting				
20	Energy Manager				
21	Retrofit				
22	Demand Response 3				
Home Assistance Program					
23	Home Assistance Program				

Note: Persistence of results is as reported by the OPA.

Table A-6: Percentage allocation of load by rate class for the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation for 2012

Chatham-Kent Hydro										
	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting	Street Lighting	Microfit Generator
Allocation	79%	82%	80%	80%	80%	100%	75%	89%	80%	
Middlesex Power Distribution Corporation										
	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator		
Allocation	21%	17%	21%	100%	26%	11%	19%			

Note: The percentage allocation for each rate class by previous service service territory is based on the proportion of Entegrus' total loss-adjusted billed kWh or billed kW.

Table A-7: Percentage allocation of load by rate class for the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation for 2013

Chatham-Kent Hydro										
	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting	Street Lighting	Microfit Generator
Allocation	77%	79%	79%	79%	79%	100%	74%	89%	79%	
Middlesex Power Distribution Corporation										
	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting		
Allocation	77%	79%	79%	79%	79%	100%	74%	89%		

Note: The percentage allocation for each rate class by previous service service territory is based on the proportion of Entegrus' total loss-adjusted billed kWh or billed kW.

Appendix B. CDM results breakdown by rate class

Table B-1: Percentage allocation by rate class for 2011 adjustments

#	Initiative	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting
Consumer Program									
1	Appliance Retirement	100%							
2	Appliance Exchange	100%							
3	HVAC Incentives	100%							
4	Conservation Instant Coupon Booklet	100%							
5	Bi-Annual Retailer Event	100%							
6	Retailer Co-op	100%							
7	Residential Demand Response	100%							
8	Residential New Construction	100%							
Business Program									
9	Efficiency: Equipment Replacement		51%	49%					
10	Direct Install Lighting		100%						
11	Existing Building Commissioning Incentive								
12	New Construction and Major Renovation Incentive								
13	Energy Audit								
14	Commercial Demand Response (part of the Residential program schedule)								
15	Demand Response 3 (part of the Industrial program schedule)								
Industrial Program									
16	Process & System Upgrades								
17	Monitoring & Targeting								
18	Energy Manager								
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)			93%	7%				
20	Demand Response 3								
Home Assistance Program									
21	Home Assistance Program	100%							
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program		29%	71%					
23	High Performance New Construction			100%					

Source: Entegrus

Table B-2: Percentage allocation by rate class for 2012 adjustments

[illegible]

Table B-3: Percentage allocation by rate class for 2013 results

#	Initiative	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting
Consumer Program									
1	Appliance Retirement	100%							
2	Appliance Exchange	100%							
3	HVAC Incentives	100%							
4	Conservation Instant Coupon Booklet	100%							
5	Bi-Annual Retailer Event	100%							
6	Retailer Co-Op	100%							
7	Residential Demand Response (switch/pstat)	100%							
8	Residential Demand Response (IHD)	100%							
9	Residential New Construction	100%							
Business Program									
10	Retrofit		33%	54%	13%	0%			
11	Direct Install Lighting		100%						
12	Building Commissioning								
13	New Construction		100%						
14	Energy Audit								
15	Small Commercial Demand Response (switch/pstat)								
16	Small Commercial Demand Response (IHD)		100%						
17	Demand Response 3								
Industrial Program									
18	Process & System Upgrades					100%			
19	Monitoring & Targeting								
20	Energy Manager					100%			
21	Retrofit		50%	50%					
22	Demand Response 3								
Home Assistance Program									
23	Home Assistance Program	100%							
Pre-2011 Programs completed in 2011									
24	Electricity Retrofit Incentive Program								
25	High Performance New Construction								
26	Toronto Comprehensive								
27	Multifamily Energy Efficiency Rebates								
28	LDC Custom Programs								

Source: Entegrus

Table B-4: Impact of CDM on load, by rate class for 2011

#	Initiative	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting
	Units	kWh	kWh	kW	kW	kW	kWh	kW	kW
Consumer Program									
1	Appliance Retirement	128,583							
2	Appliance Exchange	2,256							
3	HVAC Incentives	424,530							
4	Conservation Instant Coupon Booklet	109,453							
5	Bi-Annual Retailer Event	181,892							
6	Retailer Co-op								
7	Residential Demand Response	49							
8	Residential New Construction								
Business Program									
9	Efficiency: Equipment Replacement		241,910	528					
10	Direct Install Lighting		113,682						
11	Existing Building Commissioning Incentive								
12	New Construction and Major Renovation Incentive								
13	Energy Audit								
14	Commercial Demand Response (part of the Residential program schedule)								
15	Demand Response 3 (part of the Industrial program schedule)								
Industrial Program									
16	Process & System Upgrades								
17	Monitoring & Targeting								
18	Energy Manager								
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)			112	8				
20	Demand Response 3								
Home Assistance Program									
21	Home Assistance Program								
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program		172,716	784					
23	High Performance New Construction			12					
Total		846,762	528,309	1,435	8				

Note: impact on load is calculated from net incremental peak demand or net incremental savings on Table 1 from the OPA (Appendix A), depending on how that rate class is billed for distribution service, and the allocation of savings by rate class in Table B-1. Where billing is by monthly demand (kW), the annual demand is multiplied by 12.

Table B-5: Impact of CDM on load, by rate class for 2012

#	Initiative	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting
	Units	kWh	kWh	kW	kW	kW	kWh	kW	kW
Consumer Program									
1	Appliance Retirement	94,278							
2	Appliance Exchange	5,767							
3	HVAC Incentives	244,349							
4	Conservation Instant Coupon Booklet	7,958							
5	Bi-Annual Retailer Event	152,426							
6	Retailer Co-Op								
7	Residential Demand Response								
8	Residential Demand Response (IHD)								
9	Residential New Construction								
Business Program									
10	Retrofit		1,982,930	3,055					
11	Direct Install Lighting		651,987						
12	Building Commissioning								
13	New Construction								
14	Energy Audit								
15	Small Commercial Demand Response (switch/pstat)								
16	Small Commercial Demand Response (IHD)								
17	Demand Response 3								
Industrial Program									
18	Process & System Upgrades								
19	Monitoring & Targeting								
20	Energy Manager				1,353				
21	Retrofit								
22	Demand Response 3								
Home Assistance Program									
23	Home Assistance Program	179,936							
Pre-2011 Programs completed in 2011									
24	Electricity Retrofit Incentive Program								
25	High Performance New Construction								
26	Toronto Comprehensive								
27	Multifamily Energy Efficiency Rebates								
28	LDC Custom Programs								
Total		684,714	2,634,916	3,055	1,353				

Note: impact on load is calculated from net incremental peak demand or net incremental savings on Table 1 from the OPA (Appendix A), depending on how that rate class is billed for distribution service, the allocation of the Entegrus rate class load totals by service territory in Table A-2, and the allocation of savings by rate class in Table B-2. Where billing is by monthly demand (kW), the annual demand is multiplied by 12.

Table B-6: Impact of CDM on load, by rate class for 2013

#	Initiative	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting
	Units	kWh	kWh	kW	kW	kW	kWh	kW	kW
Consumer Program									
1	Appliance Retirement	59,245							
2	Appliance Exchange	9,953							
3	HVAC Incentives	203,973							
4	Conservation Instant Coupon Booklet	42,872							
5	Bi-Annual Retailer Event	95,560							
6	Retailer Co-Op								
7	Residential Demand Response	464							
8	Residential Demand Response (IHD)								
9	Residential New Construction								
Business Program									
10	Retrofit		683,301	2,341	563	13			
11	Direct Install Lighting		369,991						
12	Building Commissioning								
13	New Construction								
14	Energy Audit								
15	Small Commercial Demand Response (switch/pstat)								
16	Small Commercial Demand Response (IHD)								
17	Demand Response 3								
Industrial Program									
18	Process & System Upgrades								
19	Monitoring & Targeting								
20	Energy Manager					958			
21	Retrofit								
22	Demand Response 3								
Home Assistance Program									
23	Home Assistance Program	595,436							
Pre-2011 Programs completed in 2011									
24	Electricity Retrofit Incentive Program								
25	High Performance New Construction								
26	Toronto Comprehensive								
27	Multifamily Energy Efficiency Rebates								
28	LDC Custom Programs								
Total		1,007,503	1,053,293	2,341	563	971			

Note: impact on load is calculated from net incremental peak demand or net incremental savings on Table 1 from the OPA (Appendix A), depending on how that rate class is billed for distribution service, the allocation of the Entegrus rate class load totals by service territory in Table A-2, and the allocation of savings by rate class in Table B-2. Where billing is by monthly demand (kW), the annual demand is multiplied by 12.

Appendix C. Lost revenue

Table C-1: Distribution rates that impact lost revenue for each rate class

Rate class	Billing unit	2011	2012	2013	2014
Residential	kWh	0.0083	0.0081	0.0083	0.0085
GS < 50 kW	kWh	0.0111	0.0110	0.0112	0.0114
GS 50 to 999 kW	kW	2.8793	3.2030	3.3407	3.3908
GS 1,000 TO 4,999 kW	kW	5.3982	4.7247	4.5439	4.6120
Intermediate with Self Generation	kW	2.9531	3.2375	3.3599	3.4073
Unmetered Scattered Load	kWh	0.0006	0.0006	0.0007	0.0006
Standby Power	kW				
Sentinel Lighting	kW	0.3886	0.3267	0.3829	0.4161

Notes: Distribution rates are from OEB approved rate schedules averaged from the rate year to the calendar year. Only the Distribution Volumetric Rate and the Rate Rider for Application of Tax Change are used.

Table C-2: Lost revenues for each year by rate class

Year	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting	Total
2011	\$7,028.13	\$5,864.23	\$4,132.79	\$45.34					\$17,070.49
2012	\$12,404.56	\$34,795.48	\$14,376.78	\$6,431.55					\$68,008.37
2013	\$21,000.06	\$47,100.93	\$22,711.30	\$8,745.90	\$3,262.11				\$102,820.30
Amount disposed	-\$19,410.00	-\$39,875.00	-\$18,322.00	-\$6,457.00					-\$84,064.00
Total	\$21,022.75	\$47,885.63	\$22,898.86	\$8,765.80	\$3,262.11				\$103,835.16

Note: Values are the product of the actual lost loads (Tables B-3 and B-4), and the rates (Table C-1) for each rate class. Amount disposed is from EB-2013-0120 dated 2014-04-23.

Table C-3: Monthly carrying charges by rate class

Month	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting	Total
Jan-11									
Feb-11	\$0.72	\$0.60	\$0.42	\$0.00					\$1.74
Mar-11	\$1.43	\$1.20	\$0.84	\$0.01					\$3.49
Apr-11	\$2.15	\$1.80	\$1.27	\$0.01					\$5.23
Total for Rate year 2010	\$4.30	\$3.59	\$2.53	\$0.03					\$10.46
May-11	\$2.87	\$2.39	\$1.69	\$0.02					\$6.97
Jun-11	\$3.59	\$2.99	\$2.11	\$0.02					\$8.71
Jul-11	\$4.30	\$3.59	\$2.53	\$0.03					\$10.46
Aug-11	\$5.02	\$4.19	\$2.95	\$0.03					\$12.20
Sep-11	\$5.74	\$4.79	\$3.38	\$0.04					\$13.94
Oct-11	\$6.46	\$5.39	\$3.80	\$0.04					\$15.68
Nov-11	\$7.17	\$5.99	\$4.22	\$0.05					\$17.43
Dec-11	\$7.89	\$6.59	\$4.64	\$0.05					\$19.17
Jan-12	\$8.61	\$7.18	\$5.06	\$0.06					\$20.91
Feb-12	\$9.88	\$10.74	\$6.53	\$0.71					\$27.85
Mar-12	\$11.14	\$14.29	\$8.00	\$1.37					\$34.80
Apr-12	\$12.41	\$17.84	\$9.47	\$2.03					\$41.74
Total for Rate year 2011	\$89.39	\$89.56	\$56.90	\$4.47					\$240.31
May-12	\$13.67	\$21.39	\$10.93	\$2.68					\$48.68
Jun-12	\$14.94	\$24.94	\$12.40	\$3.34					\$55.62
Jul-12	\$16.21	\$28.50	\$13.87	\$3.99					\$62.57
Aug-12	\$17.47	\$32.05	\$15.34	\$4.65					\$69.51
Sep-12	\$18.74	\$35.60	\$16.80	\$5.31					\$76.45
Oct-12	\$20.01	\$39.15	\$18.27	\$5.96					\$83.39
Nov-12	\$21.27	\$42.70	\$19.74	\$6.62					\$90.34
Dec-12	\$22.54	\$46.26	\$21.21	\$7.28					\$97.28
Jan-13	\$23.81	\$49.81	\$22.67	\$7.93					\$104.22
Feb-13	\$25.95	\$54.62	\$24.99	\$8.83	\$0.33				\$114.72
Mar-13	\$28.09	\$59.42	\$27.31	\$9.72	\$0.67				\$125.21
Apr-13	\$30.24	\$64.23	\$29.63	\$10.61	\$1.00				\$135.71
Total for Rate year 2012	\$342.32	\$588.23	\$290.07	\$81.40	\$2.00				\$1,304.02
May-13	\$32.38	\$69.04	\$31.95	\$11.51	\$1.33				\$146.21
Jun-13	\$34.52	\$73.85	\$34.27	\$12.40	\$1.67				\$156.70
Jul-13	\$36.67	\$78.66	\$36.58	\$13.29	\$2.00				\$167.20
Aug-13	\$38.81	\$83.47	\$38.90	\$14.18	\$2.33				\$177.70
Sep-13	\$40.96	\$88.27	\$41.22	\$15.08	\$2.66				\$188.19
Oct-13	\$43.10	\$93.08	\$43.54	\$15.97	\$3.00				\$198.69
Nov-13	\$45.24	\$97.89	\$45.86	\$16.86	\$3.33				\$209.18
Dec-13	\$47.39	\$102.70	\$48.18	\$17.76	\$3.66				\$219.68
Jan-14	\$49.53	\$107.51	\$50.50	\$18.65	\$4.00				\$230.18
Feb-14	\$49.53	\$107.51	\$50.50	\$18.65	\$4.00				\$230.18
Mar-14	\$49.53	\$107.51	\$50.50	\$18.65	\$4.00				\$230.18
Apr-14	\$49.53	\$107.51	\$50.50	\$18.65	\$4.00				\$230.18
Total for Rate year 2013	\$859.51	\$1,705.22	\$812.55	\$273.03	\$37.96				\$3,688.27
Amount disposed	-\$614.00	-\$1,137.00	-\$543.00	-\$171.00					-\$2,465.00
May-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Jun-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Jul-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Aug-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Sep-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Oct-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Nov-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Dec-14	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Jan-15	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Feb-15	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Mar-15	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Apr-15	\$25.75	\$58.66	\$28.05	\$10.74	\$4.00				\$127.20
Total to April 30, 2015	\$554.54	\$1,272.14	\$606.16	\$230.89	\$85.92				\$2,749.65

Note: Carrying charges are simple interest (not compound) calculated using rates specified by the OEB at:

<http://www.ontarioenergyboard.ca/OEB/Industry/Rules+and+Requirements/Rules+Codes+Guidelines+and+Forms/Prescribed+Interest+Rates>

Annual savings are assumed to be distributed equally over the year and carrying charges are applied to the balance in the account each month. Amount disposed is from EB-2013-0120 dated 2014-04-23.



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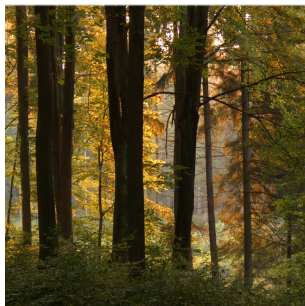
77 Mowat Avenue Suite 412 Toronto ON M6K 3E3

1 888 INDECO1 416 532 4333 info@indeco.com www.indeco.com

Attachment B

LRAMVA Third Party Report
Revised October 21, 2014
SMP Rate Zone

Entegrus (MPDC) 2013 LRAMVA



Entegrus (MPDC) lost revenue related to Conservation and Demand Management

2013



This document was prepared for Entegrus Powerlines by IndEco Strategic Consulting Inc.

For additional information about this document, please contact:

IndEco Strategic Consulting Inc.
77 Mowat Avenue, Suite 412
Toronto, ON, Canada
M6K 3E3

Tel: 416 532-4333
E-mail: info@indeco.com

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IndEco report B3856 (MPDC 2013)

17 October 2014

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Introduction

The Lost Revenue Adjustment Mechanism (LRAM) was developed to remove the disincentive to electricity local distribution companies (LDCs) from conservation and demand management (CDM) programs. CDM programs are designed to provide energy savings and peak demand reductions for the customers of LDCs, which would directly impact the LDC's revenue. The LRAM allows LDCs to be compensated for any lost revenue that may occur due to CDM programs in the LDC's service territory.

For the 2011-2014 CDM period, the Ontario Energy Board (OEB) has authorized LDCs to establish an LRAM variance account (LRAMVA) to capture the impact of CDM programs on the revenue of LDCs. The variance in the LRAMVA is between the lost revenue due to independently verified load impacts of CDM and the lost revenue from any CDM impacts an LDC may have included in the LDC's load forecast.¹

Entegrus Powerlines is an amalgamation of Middlesex Power Distribution Corporation (MPDC) with Chatham-Kent Hydro that came into effect in 2012. Entegrus (Chatham-Kent) and Entegrus (MPDC) will be dealt with separately for LRAMVA purposes, as they each have different rates and rate classes.

Entegrus has contracted with the Ontario Power Authority (OPA) to offer a suite of CDM programs to customers in a variety of rate classes for the 2011-2014 period. The CDM Guidelines (Appendix A) show that LDCs are entitled to claim lost revenues from 2013 programs and persisting losses from 2011 and 2012 programs as part of their 2015 IRM applications.

Entegrus submitted a claim for lost revenues from 2011 and 2012 programs in its 2014 Incentive Regulation Mechanism (IRM) application. This report involves a determination of the variance account balance for the following revenue losses:

- Lost revenues in 2013 related to programs offered in 2011
- Lost revenues in 2013 related to programs offered in 2012
- Lost revenues in 2013 related to programs offered in 2013.

The carrying charges on the above lost revenues through April 2015 are also reported.

¹ *Guidelines for Electricity Distributor Conservation and Demand Management*. Ontario Energy Board. April 26, 2012 (EB-2012-0003).

Methodology

In principle, the determination of lost revenues is a simple calculation:

$$\text{LR} = (\text{CDM results} - \text{CDM results in the load forecast}) * \text{rate}$$

In practice, it is somewhat more complicated than that because of the limitations of the information available to calculate CDM results, the different time periods of results data and the rate year, and the need to determine carrying charges on the lost revenues.

CDM results

From 2011 through 2013, Entegrus (MPDC) offered provincial programs that were offered in partnership with the Ontario Power Authority (OPA). Entegrus (MPDC) did not offer custom programs beyond the OPA programs.

OPA evaluation results

The OPA performs evaluations of all of its programs, which examine gross energy savings from the programs, and the net-to-gross ratio (NTGR), and then from those calculates net energy savings by initiative within program group (residential, business, industrial and low-income). Peak load reductions are also calculated, and reported in the same way.

Provincial results are allocated to individual LDCs based on their individual performance where possible, or through an allocation process.

The OPA reports energy savings and peak demand reductions, by initiative in the current year, adjustments to the previous year, based on updated validation, and contribution to total savings or reductions to the end of the 2011 to 2014 period. The savings and demand reductions for a particular year for a number of programs persist in the following years up to and including 2014. The savings and demand reductions for demand response programs do not persist beyond the year in which those particular savings and demand reductions occur.

For some programs, savings or demand reductions in a particular year persist into subsequent years, but do not persist fully through 2014. In these cases, the OPA was requested to provide estimates by year of the persistence of savings or reductions in each year.

These are the best, most definitive and defensible estimates of results associated with these programs, and incorporate the most appropriate estimates of results from the measures installed.

However, these data have some limitations, and require some adjustments for use in lost revenue calculations.

Allocating results to rate classes

The OPA reports results by ‘program’, within four main programs: residential, business, industrial and low-income. These only partially map onto rate classes. For initiatives that apply to more than one rate class, Entegrus staff estimated the split by rate class, drawing on participant-specific information where available.

Adjustments for results that do not affect revenues

As previously mentioned, the OPA reports both energy savings and reductions in [system] peak demand. Depending on the rate class, distribution revenue is based on either kilowatt-hours used, or the customer’s monthly peak kilowatt use. For rate classes where the customer is charged for distribution by energy use (kWh), the OPA-reported energy savings are directly relevant.

For customer classes where the LDC charges for distribution based on the customer’s peak monthly demand (kW in the month), the system peak reductions are only partially relevant. For initiatives like lighting upgrades in businesses operating during normal business hours, the peak demand reductions are likely to be maintained throughout the year, including during the customer’s monthly peaks, and so may be used to estimate lost revenue. For other programs, in particular demand response programs, the customer’s monthly peak may not correspond to the system’s peak. Further, even if they are coincident, if a demand response event is called, and the customer’s monthly peak is shaved, it is likely that the customer’s second highest peak in the month is only slightly less than their highest peak. Thus, the impact on distribution revenues of the demand response program is likely to be minimal, and is assumed to have zero impact on lost load.

Thus, no distribution revenues are estimated to be lost from large general service customers’ participation in demand response programs.

Load reductions accounted for in the load forecast

In recent years, LDCs have tried to account for load losses due to CDM programs in their load forecasts, submitted as part of their Cost of Service applications. These forecasted reductions need to be deducted from load losses attributable to CDM programs, to determine the final impact of CDM on revenues. That is, the impact is the *variance* between the results accounted for in the load forecast and the results attributable to the programs.

Overall impact of CDM on load, by rate class

The overall impact of CDM energy savings and demand reductions on load is calculated from the OPA energy savings and peak demand reductions, allocated by rate class, and adjusted for differences between system peak reductions and customer monthly peak reduction. Finally the difference is calculated between the overall estimated

impact on loads and the load reductions attributable to CDM that were captured in the most recent load forecast.

Distribution rates

Lost revenues for the LDC associated with CDM arise from reductions in the volumetric distribution rate. Most other rate components (e.g. service charges, global adjustment, transmission charges) are either fixed charges, or are just pass-throughs for the utility, so do not affect the LDC's revenues. An exception is for certain rate riders related to taxes, and these are added to the volumetric distribution charges, where applicable.

For most electricity distribution utilities in Ontario, including Entegrus (MPDC), distribution rates are set for the period from 1 May to 30 April of the next year. CDM results are reported for the calendar year, so average rates for the calendar year need to be calculated. For simplicity, the average rate is estimated based on the rate being four twelfths of the previous year's rate (for January through April), and eight twelfths of the current year's rate (for May through December).

Lost revenues variance

Lost revenues in a particular rate class are the product of the savings or demand reductions in that class, less what was accounted for in the load forecast, multiplied by the average rate for that class in the calendar year for which the energy savings or demand reductions were reported.² The variance is the difference between these lost revenues and the quantity of CDM in the load forecast.

Because these revenues are lost throughout the year, and are only recovered through rate riders in subsequent years, the Ontario Energy Board has permitted the LDCs to claim carrying charges on these lost revenues at a rate prescribed by the OEB, and published on the Board's website. The carrying charges are simple interest, not compounded and are calculated on the monthly variance account opening balance. Because the OPA final results estimates are reported annually, and monthly estimates are not available, the incremental results are assumed to be equally distributed across the months. So 1/12 of the annual results are allocated to January, and 12/12 of the annual results to December.

Carrying charges accrue from the time of the results, until disposition.

These lost revenues are reported by the LDC in their financial statements in Account 1568, and the associated rate class-specific sub-accounts.

² Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to – usually twelve.

Results

Following the methodology described above, lost revenues were calculated for Entegrus (MPDC).

CDM results

OPA evaluation results

CDM results reported by the OPA are in Appendix A. The Appendix consists of the following tables:

- The verified final 2011, 2012, and 2013 results for Entegrus as a whole are shown in Table 1
- The adjustments to verified final 2011 and 2012 results for Entegrus as a whole are shown in Table 2.³

The gross results were provided by the OPA, but are not included in this report, as only net results are relevant for the purposes of estimating lost revenues.

Table A-1 in Appendix A shows the estimated persistence of 2011 results into future years. Table A-2 in Appendix A shows the persistence of 2012 results into future years. Table A-3 in Appendix A shows the persistence of 2013 results through 2014. Table A-4 in Appendix A shows the persistence of 2011 adjustments into future years. Table A-5 in Appendix A shows the persistence of 2012 adjustments into future years. The OPA has provided LDCs with persistence data for all results and adjustments except for 2011 results. The persistence of 2011 results were estimated based on the contribution of 2011 results to 2014 targets reported by the OPA with the 2011 final results. Some 2011 program results were seen to not persist fully through 2014. For 2011 program results that persist into future years and do not persist fully through 2014, the results or adjustments are assumed to persist until the end of 2013. Any drop in persistence is assumed to occur in 2014.

The OPA provided 2011 results for Chatham-Kent Hydro and Middlesex Power Distribution Corporation separately, but provided 2012 and 2013 results and 2011 and 2012 adjustments for Entegrus as a whole. As the subsets of Entegrus' service territory that were previously Chatham-Kent Hydro and Middlesex Power Distribution Corporation have different rate classes and rates, they must be handled as separate rate zones for lost revenue purposes. The percentages of load in each rate class for each year were used to allocate the results and adjustments between the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation. The percentage allocation of load (in kW or kWh, depending on the billing

³ *Entegrus OPA Annual CDM Report 2013 - Final Verified Results*. Ontario Power Authority. August 29, 2013.

units of each rate class) by rate class for the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation is shown in Tables A-6 (2012) and A-7 (2013) in Appendix A. Where rate classes match, the totals do not always add up to 100%, as Entegrus also includes two very small additional amalgamated previous service territories of Dutton and Newbury. The populations in both Dutton and Newbury are so small that it was assumed that they did not significantly contribute to CDM results.

Allocating results to rate classes

Entegrus staff provided information on the allocation of results to rate classes. In most cases, the allocation is straightforward. Initiatives that can span multiple rate classes include Retrofit, Building Commissioning, New Construction, Energy Audit, Demand Response 3, Process & Systems Upgrades, Monitoring & Targeting, Energy Manager, Electricity Retrofit Incentive Program and High Performance New Construction. No allocation was provided for programs for which Entegrus (MPDC) has no program results.

Entegrus (MPDC) bills customers in different rate classes using different volumetric units, either kilowatt hours (kWh), or customer peak monthly kilowatts (kW). The rate classes (and billing units) for Entegrus (MPDC) are:

- Residential (kWh)
- GS <50 kW(kWh)
- GS 50 to 4,999 kW (kW)
- Large Use (kW)
- Unmetered Scattered Load (kWh)
- Sentinel Lighting (kW)
- Street Lighting (kW)
- MicroFIT Generator (N/A).

Table B-1 in Appendix B shows the percentage allocation by rate class for 2011 adjustments. Table B-2 in Appendix B shows the percentage allocation by rate class for 2012 adjustments. Table B-3 in Appendix B shows the percentage allocation by rate class for 2013 results.

Adjustments for results that do not affect revenues

The only adjustments relate to rate classes that are billed by customer peak kilowatt in the month. The only initiative that is affected is the Demand Response 3 program, for which no lost revenues are attributed to the reported demand reductions.

Load reductions accounted for in the load forecast

Entegrus (MPDC)'s last cost of service application was filed in 2006. The load forecast associated with that application did not account for load losses from 2011 – 2014 CDM programs.

Overall impact of CDM on load, by rate class

Multiplying the energy savings or demand reduction reported for Entegrus (MPDC) for each program by the allocation by rate class provides the impact on load of that CDM program within the appropriate rate class. The sum of the energy savings and demand reductions for all of the programs for each rate class, with adjustments for results that do not affect revenue provides the overall impact of CDM on load by rate class.

Table B-4 in Appendix B shows the overall impact of CDM on load, by rate class for 2011.

Table B-5 in Appendix B shows the overall impact of CDM on load, by rate class for 2012.

Table B-6 in Appendix B shows the overall impact of CDM on load, by rate class for 2013.

Distribution rates

The distribution rates that impact lost revenue for each rate class for Entegrus (MPDC) are shown in Table C-1 in Appendix C. The distribution rates for the period from 1 May of each year to 30 April of the next year are pro-rated by number of months to each calendar year in the 2011 to 2014 time period.

Lost revenues

The lost revenues for each year by rate class for Entegrus (MPDC) calculated from final CDM program results are shown in Table C-2 in Appendix C. The lost revenue for 2011 is based on the CDM program results and adjustments to the 2011 results allocated by rate class and multiplied by the 2011 rate for that rate class. The lost revenue for 2012 is based on the 2012 CDM program results and adjustments to the 2012 results plus the persistence of the 2011 program results in 2012 allocated by rate class and multiplied by the 2012 rate for that rate class. The lost revenue for 2013 is based on the CDM program results plus the persistence of the 2011 and 2012 program results in 2013 allocated by rate class and multiplied by the 2013 rate for that rate class.

The lost revenue for 2011-2013 is based on final verified results provided by the OPA.

In Entegrus' 2014 IRM process (EB-2013-0120), disposition of the 2011 and 2012 lost revenue amounts in Account 1568 was approved. The breakdown of these amounts by rate class is also shown in Table C-2.

The disposed values vary from the 2011 and 2012 lost revenue calculated for this report due to retroactive adjustments made by the OPA to the results of these previous years that were provided with the 2013 final results.

Carrying charges

The monthly carrying charges by rate class on Entegrus (MPDC)'s lost revenue variance are shown in Table C-3 in Appendix C. The carrying charges are reported monthly, from the time the lost revenues resulted, through to April 30, 2015.

In Entegrus' 2014 IRM process (EB-2013-0120), disposition of the carrying charges to April 30, 2014 on the 2011 and 2012 lost revenue amounts in Account 1568 was approved. The breakdown of these amounts by rate class is also shown in Table C-3. The disposed values vary from the carrying charges on the 2011 and 2012 lost revenue calculated for this report due to retroactive adjustments made by the OPA to the results of these previous years that were provided with the 2013 final results.

Conclusions

The LRAMVA balance at the end of December 2013 for Entegrus (MPDC) that includes results from 2013 CDM programs and adjustments to 2011 and 2012 results is \$16,546.84. The total carrying charges on this LRAMVA balance accumulated to April 30, 2015 are \$444.91. These balances are attributable to individual rate classes according to the following table:

Rate class	LRAMVA	Carrying charges	Total
Residential	\$9,069.44	\$241.81	\$9,311.26
GS < 50 kW	\$3,157.49	\$87.04	\$3,244.52
GS 50 to 4,999 kW	\$4,280.31	\$114.74	\$4,395.05
Large Use	\$39.60	\$1.32	\$40.92
Total	\$16,546.84	\$444.91	\$16,991.74

NOTE: There is no LRAMVA or carrying charge associated with rate classes not included in this table.

Appendix A.CDM results reported by the OPA

Table 1: ENTEGRUS 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)	
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014	2011-2014 Net Cumulative Energy Savings (kWh) 2014
Consumer Program															
Appliance Retirement	Appliances	421	301	182		24	18	12		177,892	119,701	76,967		54	1,224,402
Appliance Exchange	Appliances	32	28	35		3	4	7		3,098	7,322	12,930		12	58,061
HVAC Incentives	Equipment	1,040	868	810		318	182	160		569,794	303,127	264,990		659	3,718,537
Conservation Instant Coupon Booklet	Items	3,719	223	2,507		9	2	4		136,065	10,104	55,697		14	685,963
Bi-Annual Retailer Event	Items	6,880	7,666	6,827		12	11	9		212,360	193,530	124,145		31	1,678,322
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	232	0	765		130	0	341		336	0	603		0	940
Residential Demand Response (IHD)	Devices	0	0	765		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						495	216	533		1,099,545	633,784	535,332		770	7,366,225
Business Program															
Retrofit	Projects	43	82	86		112	711	458		520,887	4,149,424	2,612,541		1,231	19,568,953
Direct Install Lighting	Projects	53	253	117		58	201	134		144,062	782,496	466,827		379	3,806,878
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	0	0	0		0	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		68	68	69		2,636	984	917		0	4,536
Business Program Total						237	980	661		667,585	4,932,904	3,080,285		1,609	23,380,367
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	2	2		0	141	101		0	246,600	176,580		243	1,092,960
Retrofit	Projects	4	0	0		10	0	0		70,196	0	0		10	280,785
Demand Response 3	Facilities	2	0	1		754	0	0		44,275	0	0		0	44,275
Industrial Program Total						765	141	101		114,471	246,600	176,580		253	1,418,020
Home Assistance Program															
Home Assistance Program	Homes	0	163	1,137		0	18	58		0	228,459	773,555		74	2,211,409
Home Assistance Program Total						0	18	58		0	228,459	773,555		74	2,211,409
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	18	0	0		111	0	0		707,984	0	0		111	2,831,935
High Performance New Construction	Projects	0	0	0		1	1	0		2,786	791	0		1	13,519
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						112	1	0		710,770	791	0		113	2,845,454
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						-26				0	-27				-14,890
Adjustments to 2012 Verified Results						21					21				532,264
Energy Efficiency Total						657	1,288	944		2,545,124	6,041,553	4,564,232		2,820	37,171,724
Demand Response Total (Scenario 1)						952	68	409		47,247	984	1,520		0	49,751
Adjustments to Previous Years' Verified Results Total						0	-26	21		0	-3,240	177,421		-6	517,374
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						1,609	1,329	1,374		2,592,371	6,039,297	4,743,174		2,814	37,738,850
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.													
		Full OEB Target:													
% of Full OEB Target Achieved to Date (Scenario 1):		23.2%													
		81.1%													

Table 2: Adjustments to ENTEGRUS 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	-145	20			-39	4			-69,288	7,114		
Conservation Instant Coupon Booklet	Items	59	0			0	0			1,992	0		
Bi-Annual Retailer Event	Items	591	0			1	0			15,778	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						-38	4			-51,519	7,114		
Business Program													
Retrofit	Projects	4	8			10	14			41,693	159,424		
Direct Install Lighting	Projects	2	4			2	3			6,585	10,883		
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						12	17			48,278	170,307		
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						-26				-3,240			
Adjustments to 2012 Verified Results							21				177,421		
Total Adjustments to Previous Years' Verified Results						-26	21			-3,240	177,421		

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 A-1: Estimated persistence of 2011 results into future years

# Initiative	Persistence of 2011 savings					
	2012		2013		2014	
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program						
1 Appliance Retirement	7	49,310	7	49,310	7	49,309
2 Appliance Exchange	1	841	1	841	0	348
3 HVAC Incentives	49	90,693	49	90,693	49	90,693
4 Conservation Instant Coupon Booklet	2	28,180	2	28,180	2	28,180
5 Bi-Annual Retailer Event	2	42,895	2	42,895	2	42,895
6 Retailer Co-Op						
7 Residential Demand Response						
8 Residential Demand Response (IHD)						
9 Residential New Construction						
Business Program						
10 Retrofit	30	80,816	30	80,816	30	80,816
11 Direct Install Lighting	13	35,792	13	35,792	9	21,654
12 Building Commissioning						
13 New Construction						
14 Energy Audit						
15 Small Commercial Demand Response (switch/pstat)						
16 Small Commercial Demand Response (IHD)						
17 Demand Response 3						
Industrial Program						
18 Process & System Upgrades						
19 Monitoring & Targeting						
20 Energy Manager						
21 Retrofit						
22 Demand Response 3						
Home Assistance Program						
23 Home Assistance Program						
Pre-2011 Programs completed in 2011						
24 Electricity Retrofit Incentive Program	19	112,410	19	112,410	19	112,410
25 High Performance New Construction						

Note: Persistence is based on net incremental and program-to-date contributions to 2014 targets reported by the OPA. Some program results do not persist into future years and others persist equally into future years. For programs that have persistence into future years and persistence is not equal to the saving in the first year, the savings are assumed to persist until the end of 2013 and any drop in persistence is assumed to occur in 2014.

Table A-2: Persistence of 2012 results into future years

Persistence of 2012 savings					
		2013	2014		
#	Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program					
1	Appliance Retirement	18	119,701	18	119,701
2	Appliance Exchange	4	7,322	4	7,322
3	HVAC Incentives	182	303,127	182	303,127
4	Conservation Instant Coupon Booklet	2	10,104	2	10,104
5	Bi-Annual Retailer Event	11	193,530	11	193,530
6	Retailer Co-Op				
7	Residential Demand Response (switch/pstat)				
8	Residential Demand Response (IHD)				
9	Residential New Construction				
Business Program					
10	Retrofit	704	4,125,352	676	4,032,561
11	Direct Install Lighting	201	782,496	196	761,672
12	Building Commissioning				
13	New Construction				
14	Energy Audit				
15	Small Commercial Demand Response (switch/pstat)				
16	Small Commercial Demand Response (IHD)				
17	Demand Response 3				
Industrial Program					
18	Process & System Upgrades				
19	Monitoring & Targeting				
20	Energy Manager	141	246,600	141	246,600
21	Retrofit				
22	Demand Response 3				
Home Assistance Program					
23	Home Assistance Program	17	217,283	17	217,283
Pre-2011 Programs completed in 2011					
24	Electricity Retrofit Incentive Program				
25	High Performance New Construction	1	791	1	791

Note: Persistence of results is as reported by the OPA.

Table A-3: Persistence of 2013 results through 2014

Persistence of 2013 savings		
2014		
# Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program		
1 Appliance Retirement	12	76,967
2 Appliance Exchange	7	12,930
3 HVAC Incentives	160	264,990
4 Conservation Instant Coupon Booklet	4	55,697
5 Bi-Annual Retailer Event	9	124,145
6 Retailer Co-Op		
7 Residential Demand Response (switch/pstat)		
8 Residential Demand Response (IHD)		
9 Residential New Construction		
Business Program		
10 Retrofit	443	2,565,528
11 Direct Install Lighting	134	466,827
12 Building Commissioning		
13 New Construction		
14 Energy Audit		
15 Small Commercial Demand Response (switch/pstat)		
16 Small Commercial Demand Response (IHD)		
17 Demand Response 3		
Industrial Program		
18 Process & System Upgrades		
19 Monitoring & Targeting		
20 Energy Manager	101	176,580
21 Retrofit		
22 Demand Response 3		
Home Assistance Program		
23 Home Assistance Program	57	752,478

Note: Persistence of results is as reported by the OPA.

Table A-4: Persistence of 2011 adjustments into future years

Persistence of 2011 adjustments						
# Initiative	2012		2013		2014	
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program						
1 Appliance Retirement						
2 Appliance Exchange						
3 HVAC Incentives	-39	-69,288	-39	-69,288	-39	-69,288
4 Conservation Instant Coupon Booklet	0	1,992	0	1,992	0	1,992
5 Bi-Annual Retailer Event	1	15,778	1	15,778	1	15,778
6 Retailer Co-Op						
7 Residential Demand Response						
8 Residential Demand Response (IHD)						
9 Residential New Construction						
Business Program						
10 Retrofit	10	41,693	10	41,693	10	41,693
11 Direct Install Lighting	2	6,585	2	6,585	1	4,657
12 Building Commissioning						
13 New Construction						
14 Energy Audit						
15 Small Commercial Demand Response (switch/pstat)						
16 Small Commercial Demand Response (IHD)						
17 Demand Response 3						
Industrial Program						
18 Process & System Upgrades						
19 Monitoring & Targeting						
20 Energy Manager						
21 Retrofit						
22 Demand Response 3						
Home Assistance Program						
23 Home Assistance Program						
Pre-2011 Programs completed in 2011						
24 Electricity Retrofit Incentive Program						
25 High Performance New Construction						

Note: Persistence of results is as reported by the OPA.

Table A-5: Persistence of 2012 adjustments into future years

		Persistence of 2012 adjustments			
		2013		2014	
#	Initiative	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program					
1	Appliance Retirement				
2	Appliance Exchange				
3	HVAC Incentives	4	7,114	4	7,114
4	Conservation Instant Coupon Booklet				
5	Bi-Annual Retailer Event				
6	Retailer Co-Op				
7	Residential Demand Response				
8	Residential Demand Response (IHD)				
9	Residential New Construction				
Business Program					
10	Retrofit	14	159,424	14	159,424
11	Direct Install Lighting	3	10,883	3	10,883
12	Building Commissioning				
13	New Construction				
14	Energy Audit				
15	Small Commercial Demand Response (switch/pstat)				
16	Small Commercial Demand Response (IHD)				
17	Demand Response 3				
Industrial Program					
18	Process & System Upgrades				
19	Monitoring & Targeting				
20	Energy Manager				
21	Retrofit				
22	Demand Response 3				
Home Assistance Program					
23	Home Assistance Program				

Note: Persistence of results is as reported by the OPA.

Table A-6: Percentage allocation of load by rate class for the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation for 2012

Chatham-Kent Hydro										
	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting	Street Lighting	Microfit Generator
Allocation	79%	82%	80%	80%	80%	100%	75%	89%	80%	
Middlesex Power Distribution Corporation										
	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator		
Allocation	21%	17%	21%	100%	26%	11%	19%			

Note: The percentage allocation for each rate class by previous service service territory is based on the proportion of Entegrus' total loss-adjusted billed kWh or billed kW.

Table A-7: Percentage allocation of load by rate class for the previous service territories of Chatham-Kent Hydro and Middlesex Power Distribution Corporation for 2013

Chatham-Kent Hydro										
	Residential	GS < 50 kW	GS 50 to 999 kW	GS 1,000 TO 4,999 kW	Intermediate with Self Generation	Unmetered Scattered Load	Standby Power	Sentinel Lighting	Street Lighting	Microfit Generator
Allocation	77%	79%	79%	79%	79%	100%	74%	89%	79%	
Middlesex Power Distribution Corporation										
	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator		
Allocation	19%	14%	20%	100%	25%	11%	18%			

Note: The percentage allocation for each rate class by previous service service territory is based on the proportion of Entegrus' total loss-adjusted billed kWh or billed kW.

Appendix B. CDM results breakdown by rate class

Table B-1: Percentage allocation by rate class for 2011 adjustments

#	Initiative	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
Consumer Program									
1	Appliance Retirement	100%							
2	Appliance Exchange	100%							
3	HVAC Incentives	100%							
4	Conservation Instant Coupon Booklet	100%							
5	Bi-Annual Retailer Event	100%							
6	Retailer Co-op	100%							
7	Residential Demand Response	100%							
8	Residential New Construction	100%							
Business Program									
9	Efficiency: Equipment Replacement		63%	37%					
10	Direct Install Lighting		100%						
11	Existing Building Commissioning Incentive								
12	New Construction and Major Renovation Incentive								
13	Energy Audit								
14	Commercial Demand Response (part of the Residential program schedule)								
15	Demand Response 3 (part of the Industrial program schedule)								
Industrial Program									
16	Process & System Upgrades								
17	Monitoring & Targeting								
18	Energy Manager								
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)								
20	Demand Response 3								
Home Assistance Program									
21	Home Assistance Program	100%							
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program		33%	33%	34%				
23	High Performance New Construction			50%	50%				

Source: Entegrus

Table B-2: Percentage allocation by rate class for 2012 adjustments

#	Initiative	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
Consumer Program									
1	Appliance Retirement	100%							
2	Appliance Exchange	100%							
3	HVAC Incentives	100%							
4	Conservation Instant Coupon Booklet	100%							
5	Bi-Annual Retailer Event	100%							
6	Retailer Co-Op	100%							
7	Residential Demand Response (switch/pstat)	100%							
8	Residential Demand Response (IHD)	100%							
9	Residential New Construction	100%							
Business Program									
10	Retrofit		20%	80%					
11	Direct Install Lighting		100%						
12	Building Commissioning								
13	New Construction								
14	Energy Audit								
15	Small Commercial Demand Response (switch/pstat)								
16	Small Commercial Demand Response (IHD)								
17	Demand Response 3								
Industrial Program									
18	Process & System Upgrades								
19	Monitoring & Targeting								
20	Energy Manager			100%					
21	Retrofit				100%				
22	Demand Response 3								
Home Assistance Program									
23	Home Assistance Program	100%							
Pre-2011 Programs completed in 2011									
24	Electricity Retrofit Incentive Program								
25	High Performance New Construction			100%					
26	Toronto Comprehensive								
27	Multifamily Energy Efficiency Rebates								
28	LDC Custom Programs								
Source: Entegrus									

Table B-3: Percentage allocation by rate class for 2013 results

# Initiative	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
Consumer Program								
1 Appliance Retirement	100%							
2 Appliance Exchange	100%							
3 HVAC Incentives	100%							
4 Conservation Instant Coupon Booklet	100%							
5 Bi-Annual Retailer Event	100%							
6 Retailer Co-Op	100%							
7 Residential Demand Response (switch/pstat)	100%							
8 Residential Demand Response (IHD)	100%							
9 Residential New Construction	100%							
Business Program								
10 Retrofit		33%	54%	13%				
11 Direct Install Lighting		100%						
12 Building Commissioning								
13 New Construction								
14 Energy Audit								
15 Small Commercial Demand Response (switch/pstat)								
16 Small Commercial Demand Response (IHD)								
17 Demand Response 3								
Industrial Program								
18 Process & System Upgrades								
19 Monitoring & Targeting								
20 Energy Manager			100%					
21 Retrofit				100%				
22 Demand Response 3								
Home Assistance Program								
23 Home Assistance Program	100%							
Pre-2011 Programs completed in 2011								
24 Electricity Retrofit Incentive Program								
25 High Performance New Construction			100%					
26 Toronto Comprehensive								
27 Multifamily Energy Efficiency Rebates								
28 LDC Custom Programs								

Source: Entegrus

Table B-4: Impact of CDM on load, by rate class for 2011

#	Initiative	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
	Units	kWh	kWh	kW	kW	kWh	kW	kW	
Consumer Program									
1	Appliance Retirement	49,310							
2	Appliance Exchange	841							
3	HVAC Incentives	76,157							
4	Conservation Instant Coupon Booklet	28,598							
5	Bi-Annual Retailer Event	46,205							
6	Retailer Co-op								
7	Residential Demand Response	287							
8	Residential New Construction								
Business Program									
9	Efficiency: Equipment Replacement		55,425	142					
10	Direct Install Lighting		36,922						
11	Existing Building Commissioning Incentive								
12	New Construction and Major Renovation Incentive								
13	Energy Audit								
14	Commercial Demand Response (part of the Residential program schedule)								
15	Demand Response 3 (part of the Industrial program schedule)								
Industrial Program									
16	Process & System Upgrades								
17	Monitoring & Targeting								
18	Energy Manager								
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)								
20	Demand Response 3								
Home Assistance Program									
21	Home Assistance Program								
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program		37,095	77	79				
23	High Performance New Construction								
Total		201,398	129,443	219	79				

Note: impact on load is calculated from net incremental peak demand or net incremental savings on Table 1 from the OPA (Appendix A), depending on how that rate class is billed for distribution service, and the allocation of savings by rate class in Table B-1. Where billing is by monthly demand (kW), the annual demand is multiplied by 12.

Table B-5: Impact of CDM on load, by rate class for 2012

#	Initiative	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
	Units	kWh	kWh	kW	kW	kWh	kW	kW	
Consumer Program									
1	Appliance Retirement	25,111							
2	Appliance Exchange	1,536							
3	HVAC Incentives	65,084							
4	Conservation Instant Coupon Booklet	2,120							
5	Bi-Annual Retailer Event	40,600							
6	Retailer Co-Op								
7	Residential Demand Response								
8	Residential Demand Response (IHD)								
9	Residential New Construction								
Business Program									
10	Retrofit		147,997	1,450					
11	Direct Install Lighting		136,252						
12	Building Commissioning								
13	New Construction								
14	Energy Audit								
15	Small Commercial Demand Response (switch/pstat)								
16	Small Commercial Demand Response (IHD)								
17	Demand Response 3								
Industrial Program									
18	Process & System Upgrades								
19	Monitoring & Targeting								
20	Energy Manager			353					
21	Retrofit								
22	Demand Response 3								
Home Assistance Program									
23	Home Assistance Program	47,927							
Pre-2011 Programs completed in 2011									
24	Electricity Retrofit Incentive Program								
25	High Performance New Construction			2					
26	Toronto Comprehensive								
27	Multifamily Energy Efficiency Rebates								
28	LDC Custom Programs								
Total		182,377	284,249	1,806					

Note: impact on load is calculated from net incremental peak demand or net incremental savings on Table 1 from the OPA (Appendix A), depending on how that rate class is billed for distribution service, the allocation of the Entegrus rate class load totals by service territory in Table A-2, and the allocation of savings by rate class in Table B-2. Where billing is by monthly demand (kW), the annual demand is multiplied by 12.

Table B-6: Impact of CDM on load, by rate class for 2013

#	Initiative	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator
	Units	kWh	kWh	kW	kW	kWh	kW	kW	
Consumer Program									
1	Appliance Retirement	14,842							
2	Appliance Exchange	2,493							
3	HVAC Incentives	51,098							
4	Conservation Instant Coupon Booklet	10,740							
5	Bi-Annual Retailer Event	23,939							
6	Retailer Co-Op								
7	Residential Demand Response	116							
8	Residential Demand Response (IHD)								
9	Residential New Construction								
Business Program									
10	Retrofit		124,974	591	715				
11	Direct Install Lighting		67,670						
12	Building Commissioning								
13	New Construction								
14	Energy Audit								
15	Small Commercial Demand Response (switch/pstat)								
16	Small Commercial Demand Response (IHD)								
17	Demand Response 3								
Industrial Program									
18	Process & System Upgrades								
19	Monitoring & Targeting								
20	Energy Manager			242					
21	Retrofit								
22	Demand Response 3								
Home Assistance Program									
23	Home Assistance Program	149,165							
Pre-2011 Programs completed in 2011									
24	Electricity Retrofit Incentive Program								
25	High Performance New Construction								
26	Toronto Comprehensive								
27	Multifamily Energy Efficiency Rebates								
28	LDC Custom Programs								
Total		252,394	192,645	833	715				

Note: impact on load is calculated from net incremental peak demand or net incremental savings on Table 1 from the OPA (Appendix A), depending on how that rate class is billed for distribution service, the allocation of the Entegrus rate class load totals by service territory in Table A-2, and the allocation of savings by rate class in Table B-2. Where billing is by monthly demand (kW), the annual demand is multiplied by 12.

Appendix C. Lost revenue

Table C-1: Distribution rates that impact lost revenue for each rate class

Rate class	Billing unit	2011	2012	2013	2014
Residential	kWh	0.0139	0.0139	0.0140	0.0141
GS < 50 kW	kWh	0.0048	0.0048	0.0048	0.0049
GS 50 to 4,999 kW	kW	1.4387	1.4420	1.4514	1.4708
Large Use	kW	0.0540	0.0503	0.0496	0.0512
Unmetered Scattered Load	kWh	0.0052	0.0051	0.0052	0.0053
Sentinel Lighting	kW	0.9871	0.9861	0.9915	1.0052
Street Lighting	kW	0.5784	0.5765	0.5794	0.5876
MicroFIT Generator					

Notes: Distribution rates are from OEB approved rate schedules averaged from the rate year to the calendar year. Only the Distribution Volumetric Rate and the Rate Rider for Application of Tax Change are used.

Table C-2: Lost revenues for each year by rate class

Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
2011	\$2,799.43	\$621.32	\$314.70	\$4.26					\$3,739.72
2012	\$5,330.48	\$1,985.72	\$2,919.10	\$3.97					\$10,239.28
2013	\$8,869.53	\$2,906.44	\$4,126.51	\$39.37					\$15,941.84
Amount disposed	-\$7,930.00	-\$2,356.00	-\$3,080.00	-\$8.00					-\$13,374.00
Total	\$9,069.44	\$3,157.49	\$4,280.31	\$39.60					\$16,546.84

Note: Values are the product of the actual lost loads (Tables B-3 and B-4), and the rates (Table C-1) for each rate class. Amount disposed is from EB-2013-0120 dated 2014-04-23.

Table C-3: Monthly carrying charges by rate class

Month	Residential	GS < 50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	MicroFIT Generator	Total
Jan-11									
Feb-11	\$0.29	\$0.06	\$0.03	\$0.00					\$0.38
Mar-11	\$0.57	\$0.13	\$0.06	\$0.00					\$0.76
Apr-11	\$0.86	\$0.19	\$0.10	\$0.00					\$1.15
Total for Rate year 2010	\$1.71	\$0.38	\$0.19	\$0.00					\$2.29
May-11	\$1.14	\$0.25	\$0.13	\$0.00					\$1.53
Jun-11	\$1.43	\$0.32	\$0.16	\$0.00					\$1.91
Jul-11	\$1.71	\$0.38	\$0.19	\$0.00					\$2.29
Aug-11	\$2.00	\$0.44	\$0.22	\$0.00					\$2.67
Sep-11	\$2.29	\$0.51	\$0.26	\$0.00					\$3.05
Oct-11	\$2.57	\$0.57	\$0.29	\$0.00					\$3.44
Nov-11	\$2.86	\$0.63	\$0.32	\$0.00					\$3.82
Dec-11	\$3.14	\$0.70	\$0.35	\$0.00					\$4.20
Jan-12	\$3.43	\$0.76	\$0.39	\$0.01					\$4.58
Feb-12	\$3.97	\$0.96	\$0.68	\$0.01					\$5.63
Mar-12	\$4.52	\$1.17	\$0.98	\$0.01					\$6.67
Apr-12	\$5.06	\$1.37	\$1.28	\$0.01					\$7.72
Total for Rate year 2011	\$35.84	\$8.45	\$5.45	\$0.05					\$49.79
May-12	\$5.61	\$1.57	\$1.58	\$0.01					\$8.76
Jun-12	\$6.15	\$1.77	\$1.88	\$0.01					\$9.81
Jul-12	\$6.69	\$1.98	\$2.17	\$0.01					\$10.85
Aug-12	\$7.24	\$2.18	\$2.47	\$0.01					\$11.90
Sep-12	\$7.78	\$2.38	\$2.77	\$0.01					\$12.94
Oct-12	\$8.33	\$2.59	\$3.07	\$0.01					\$13.99
Nov-12	\$8.87	\$2.79	\$3.37	\$0.01					\$15.03
Dec-12	\$9.41	\$2.99	\$3.66	\$0.01					\$16.08
Jan-13	\$9.96	\$3.19	\$3.96	\$0.01					\$17.12
Feb-13	\$10.86	\$3.49	\$4.38	\$0.01					\$18.75
Mar-13	\$11.77	\$3.79	\$4.80	\$0.02					\$20.38
Apr-13	\$12.68	\$4.08	\$5.23	\$0.02					\$22.01
Total for Rate year 2012	\$141.20	\$41.25	\$44.79	\$0.18					\$227.42
May-13	\$13.58	\$4.38	\$5.65	\$0.03					\$23.63
Jun-13	\$14.49	\$4.68	\$6.07	\$0.03					\$25.26
Jul-13	\$15.39	\$4.97	\$6.49	\$0.03					\$26.89
Aug-13	\$16.30	\$5.27	\$6.91	\$0.04					\$28.52
Sep-13	\$17.20	\$5.57	\$7.33	\$0.04					\$30.14
Oct-13	\$18.11	\$5.86	\$7.75	\$0.05					\$31.77
Nov-13	\$19.01	\$6.16	\$8.17	\$0.05					\$33.40
Dec-13	\$19.92	\$6.46	\$8.60	\$0.05					\$35.03
Jan-14	\$20.82	\$6.75	\$9.02	\$0.06					\$36.65
Feb-14	\$20.82	\$6.75	\$9.02	\$0.06					\$36.65
Mar-14	\$20.82	\$6.75	\$9.02	\$0.06					\$36.65
Apr-14	\$20.82	\$6.75	\$9.02	\$0.06					\$36.65
Total for Rate year 2013	\$358.49	\$111.62	\$137.82	\$0.74					\$608.67
Amount disposed	-\$250.00	-\$71.00	-\$86.00						-\$407.00
May-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Jun-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Jul-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Aug-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Sep-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Oct-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Nov-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Dec-14	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Jan-15	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Feb-15	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Mar-15	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Apr-15	\$11.11	\$3.87	\$5.24	\$0.05					\$20.27
Total to April 30, 2015	\$241.81	\$87.04	\$114.74	\$1.32					\$444.91

Note: Carrying charges are simple interest (not compound) calculated using rates specified by the OEB at:

<http://www.ontarioenergyboard.ca/OEB/Industry/Rules+and+Requirements/Rules+Codes+Guidelines+and+Forms/Prescribed+Interest+Rates>

Annual savings are assumed to be distributed equally over the year and carrying charges are applied to the balance in the account each month. Amount disposed is from EB-2013-0120 dated 2014-04-23.



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IndEco Strategic Consulting Inc

77 Mowat Avenue Suite 412 Toronto ON M6K 3E3

1 888 INDECO1 416 532 4333 info@indeco.com www.indeco.com