



October 1, 2010

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

Re: Middlesex Power Distribution 2011 Incentive Rate 2nd Generation Mechanism Application (EB-2010-0098)

Dear Ms. Walli:

Please find attached the submission of Middlesex Power Distribution for the 2011 Incentive Rate Mechanism ("IRM") 2nd Generation Application. Enclosed are the Manager's Summary and related IRM model.

The complete application was submitted through the Board's web portal and an email version of the Excel IRM model was sent to the Board Secretary on October 1, 2010. In addition, two hard copies were sent to the Ontario Energy Board.

If you have any further questions, please do not hesitate to contact David Ferguson at (519) 352-6300 x558 or email davidferguson@ckenergy.com.

Yours truly,

A handwritten signature in black ink, appearing to read 'Cheryl Decaire', written in a cursive style.

Cheryl Decaire
Co-ordinator of Regulatory and Rates
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CC: Dave Kenney, President of Middlesex Power Distribution Corporation
Chris Cowell, Chief Financial & Regulatory Officer
David Ferguson, Director of Regulatory and Risk Management



2011 3rd Generation Incentive Rate Mechanism

EB- 2010-0098

The Town of Strathroy

The Town of Parkhill

The Village of Mount Brydges

Manager's Summary

Middlesex Power Distribution Corporation ("MPDC") submits a complete application for the approval of distribution and transmission rates proposed to be effective May 1, 2011. MPDC has filed in accordance with the guidelines of Chapter 3 of the Ontario Energy Board ("Board") Filing Requirements for Transmission and Distribution Application dated July 22, 2009.

This specific application is for the MPDC service areas of:

- The Town of Strathroy;
- The Town of Parkhill; and,
- The Village of Mount Brydges.

MPDC has utilized the models provided by the Board, collectively referred to herein as the "IRM 2 Model":

- 2011 IRM2 Rate Generator;
- 2011 IRM Deferral and Variance Account Workform;
- Smart Meter Rate Calculation Model; and,
- 2011 RTSR Adjustment Workform

Listed below are the items addressed in the Manager's Summary and reflected in the IRM 2 Model:

1. Overview of Recent LDC Acquisitions
2. Price Cap Index Adjustment *;
3. Changes in the Federal and Provincial Income Tax and Capital Rates *;
4. Smart Meter Funding Adder *;
5. Retail Transmission Service Rates *;
6. Deferral Account Riders *;
7. Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery Rate Rider;
8. Proposed Rates and Bill Impacts; and,
9. Recovery of the Late Payment Class Action Settlement

The items denoted above by an asterisk (*) represent specific rate changes requested in this application.

1. Overview of Recent LDC Acquisitions

On April 30, 2009, MPDC purchased Newbury Power Inc. and Dutton Hydro in MAAD EB-2008-0350 and MAAD EB-2008-0322, respectively.

MPDC has also filed separate IRM 2 applications for the approval of distribution and transmission rates proposed to be effective May 1, 2011 for the service areas of the Village of Dutton (“Dutton”) and the Village of Newbury (“Newbury”). Accordingly, there are 3 MPDC rate applications in total. This specific application is for the MPDC service areas of: (i) The Town of Strathroy, (ii) The Town of Parkhill; and (iii) The Village of Mount Brydges.

Starting in 2009, MPDC Group I Deferrals have been accounted for and filed on a consolidated basis for all service areas, including Dutton and Newbury.

MPDC RTSR’s continue to be accounted for and filed on a separate basis, since the approved loss factors for Dutton and Newbury both differ from the loss factors of the other MPDC service areas.

2. Price Cap Index Adjustment

MPDC has used the IRM 2 Model to determine an interim price cap adjustment of 0.30% as follows:

Inflation (GDP-IPI) Factor	1.30%
Productivity Factor	(1.00%)
Interim Price Cap Adjustment	0.30%

MPDC acknowledges that the above factors are subject to update by the Board.

3. Changes in the Federal and Provincial Income Tax and Capital Tax Rates

In 2011, the overall corporate income tax rate is expected to decrease and Ontario Capital Tax is to be eliminated. MPDC has used the IRM 2 to calculate associated incremental tax savings of \$3,629, to be refunded to the ratepayer in the form of a proposed rate rider.

Note that in accordance with EB-2009-0202, MPDC has established deferral accounting as of July 1, 2010 for incremental HST/PST ITC received on distribution revenue requirement.

4. Smart Meter Funding Adder and Disposition Rider

Smart Meter installation is almost complete and MPDC anticipates further costs and analysis prior to finalizing a disposition rider. Accordingly, MPDC has used the IRM 2 Model to calculate a 2011 Smart Meter Funding Adder herein. The Adder for the 2009 thru 2011 Smart Meter capital cost and operational expenses is \$1.03.

MPDC requests continuation of the Smart Meter Rate Disposition Rider 2 of \$1.23 and the Smart Meter Rate Disposition Rider 3 of \$0.77 until MPDC's next cost of service application. These riders were previously approved by the Board in EB-2007-0867 and EB-2008-0155, respectively.

5. Retail Transmission Service Rates

MPDC has used the IRM 2 Model to adjust rates for the impact of Retail Transmission Service cost changes. MPDC acknowledges that the Uniform Transmission Rates ("UTR") percentage in the IRM 2 Model will be updated by the Board when the 2011 UTR's are approved.

6. Deferral Account Riders

MPDC has used the IRM 2 Model to determine a total claim of a debit of \$166,324 (due from customers), equating to a claim of \$0.000877/kWh. In EB-2008-0046, the Board determined that for Group I deferral account balances, a preset disposition threshold of \$0.001/kWh (debit or credit) would trigger disposition. MPDC's claim of \$0.000877/kWh does not meet this threshold. Therefore, MPDC has not filed for a 2011 Deferral Account Rider. MPDC intends to include the 2011 Deferral Account Rider amount in a future rate application, at such time as the preset disposition threshold is met.

7. Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery Rate Rider

MPDC has included an LRAM claim in the amount of \$77,105 for the years 2006-2010, including carrying charges to April 30, 2011. A third party review by the consulting firm IndEco is enclosed herein as Appendix II, which supports this claim.

The LRAM Rider Calculation per rate class was determined as follows:

Rate Class	Claim	kWh	kW	Rate/kWh	Rate/kW
Residential	\$70,888	56,192,789	-	\$0.00126	
GS<50 kW	\$6,205	18,279,724	-	\$0.00034	
GS>50kW to 4,999 kW	\$12	84,572,093	231,274		\$0.0001
	\$77,105				

Note that the 2009 OPA results are preliminary and will be updated in a future application when final results are available.

8. Proposed Rates and Bill Impacts

The following chart illustrates the bill impacts of the proposed rates. This comparison is based upon a customer's total annualized bill after taxes, using consistent commodity and other charge components.

Rate Class	2010 Bill	2011 Bill	\$ Increase (Decrease)	% Increase (Decrease)
Residential	\$116.67	\$121.94	\$5.27	4.5%
GS < 50 kW	\$254.07	\$263.93	\$9.86	3.9%
GS > 50 kW to 4,999 kW	\$117,114.79	\$121,092.24	\$3,977.45	3.4%
Large Use	\$1,466,064.16	1,511,906.15	\$45,841.99	3.1%
Streetlights (Note 1)	\$4.27	\$4.42	\$0.15	3.5%
Sentinel Lights (Note 1)	\$18.93	\$19.78	\$0.85	4.5%
Unmetered Scattered Loads (Note 1)	\$249.00	\$250.46	\$1.46	0.6%

Note 1: Streetlights, Sentinel Lights and Unmetered Scattered Loads bill impacts are on a per connection basis

9. Recovery of the Late Payment Class Action Settlement

MPDC has included a request that the Board initiate a generic proceeding to address prudence and define the recovery method to be utilized starting in 2011 for the late payment settlement.

Please refer to Appendix I.

Appendix I
Rate Rider For Recovery of Late Payment Penalty Litigation Costs

1. As part of this application, MPDC will be seeking recovery of a one-time expense in the amount of \$25,909.95 which is expected to be paid on June 30, 2011. If this payment is made, it will serve to resolve long-standing litigation against all former municipal electric utilities (“MEUs”) in the Province in relation to late payment penalty (“LPP”) charges collected pursuant to, first, Ontario Hydro rate schedules and, after industry restructuring, Ontario Energy Board rate orders (the “LPP Class Action”).
2. On July 22, 2010, The Honourable Mr. Justice Cumming of the Ontario Superior Court of Justice approved a settlement of the LPP Class Action, the principal terms of which are the following:
 - (a) Former MEUs collectively pay \$17 million in damages;
 - (b) Payment is not due until June 30, 2011; and
 - (c) Amounts paid, after deduction for class counsel fee, will be paid to the Winter Warmth Fund or similar charities.
3. MPDC will make a payment of \$25,909.95 by June 30, 2011. This amount represents MPDC’s share of the settlement, applicable taxes and legal fees. MPDC believes that the settlement is in its best interest and the best interest of its customers and that the payment in connection with the settlement will be a prudent one.
4. MPDC, along with all other electricity distributors filing for cost of service and IRM applications for 2011 electricity distribution rates (the “LDCs”), proposes that, following September 23, 2010, the Board hold a generic hearing to determine if all costs and damages incurred in this litigation and settlement are recoverable from customers and, if so, the form and timing of recovery from customers. If the Board agrees to hold this generic hearing, the LDCs will collectively file written evidence to address the prudence of the settlement, the costs incurred, the methodology of allocating total settlement costs amongst the LDCs, the proposed method of recovery, and any other matters the Board determines appropriate.
5. If the Board determines that it will not hold a generic proceeding, MPDC asks to be advised of this fact as soon as possible so that it can file, to permit adjudication as part of this proceeding, written evidence to address the prudence of the settlement, the costs incurred, the methodology of allocating total settlement costs amongst the LDCs, the proposed method of recovery, and any other matters the Board determines appropriate.

Appendix II
IndEco Report

Middlesex Power Distribution Corp. LRAM



Third party review:

Middlesex Power Distribution Corp.
LRAM claim



This document was prepared for Middlesex Power Distribution Corp. by IndEco Strategic Consulting Inc.

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IndEco report B0618

29 September 2010

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Executive summary

A third party review of the Conservation and Demand Management (CDM) programs run by Middlesex Power Distribution Corporation (MPDC) was required as part of its application to the Ontario Energy Board (OEB) for collection of a Lost Revenue Adjustment Mechanism (LRAM) claim.

IndEco Strategic Consulting Inc. (IndEco) acted as third party reviewer by examining the participant rates, equipment specifications, and calculations that enter into the energy savings submitted by MPDC to the OEB. The review was completed as detailed in the *OEB Guidelines for Electricity Distributor Conservation and Demand Management*.

The third party review included MPDC's offerings of Ontario Power Authority (OPA) programs. An LRAM claim is being requested for revenue lost during the following periods:

- 2006-2009 OPA programs: January 1 2006 to 31 December 2010.

No claim is being made for third-tranche programs, since those programs consisted of offerings that are ineligible for LRAM, including smart meter pilots and distribution system improvements.

Lost revenues are calculated using estimated energy savings or monthly peak demand savings using the best available and most current input assumptions provided by the Ontario Power Authority (OPA), based on program specific evaluations of their programs. Within the timeframe for which LRAM is being claimed, these savings totalled over 4,600 MWh in the residential rate class and 1,200 MWh in the GS < 50 kW rate class. Savings in the GS 50 to 4,999 kW rate class totalled approximately 8 kW-months.

IndEco concludes that MPDC's electricity rates should be adjusted to reflect an LRAM claim of \$77,105.

Introduction

A Lost Revenue Adjustment Mechanism (LRAM) is designed to ensure that a Local Distribution Company (LDC) does not have a disincentive to promote energy efficiency and energy conservation by compensating the LDC for revenues lost as a result of its conservation initiatives. It requires the calculation of electricity savings over the period between the last rate application (or previous LRAM claim), and the time of the application. In turn, this calculation requires information on what the electricity use would have been in the absence of the LDC initiatives, and what it was with the LDC initiative. Some of the inputs to the calculation include: hours the equipment is used, wattage rating of the old and new equipment, and lifetime of the equipment if it is less than the period over which the LRAM is being claimed. Also required are the number of participants, or pieces of equipment installed, and an estimate of the free-rider rate, which is the fraction of the savings that would have occurred anyway, in the absence of the program. These savings are estimated by rate class, and revenue losses are determined by multiplying those losses by the cost of distribution per unit for each rate class. Carrying charges are calculated using deferral and variance account interest rates prescribed by the OEB.¹

Although these input data requirements are sometimes measured, they sometimes use values from published sources, or assumptions provided by the Ontario Energy Board, or other reputable agencies. Collectively all these data are sometimes referred to as “TRC inputs” after the Total Resource Cost test that is used to calculate total economic costs and benefits to society. For some types of programs, such as large scale distribution of compact fluorescent bulbs, it would be impractical to measure the hours each bulb is used, and therefore these published sources provide an average value that is typical for this equipment type.

MPDC’s LRAM claim is fairly simple since it relates only to programs funded by or offered in partnership with the Ontario Power Authority, and the OPA has provided MPDC with the results of its evaluation of these programs and the allocation to MPDC’s service area.

The LRAM claim reviewed in this document is for lost revenues that resulted:

- From 2006-2008 OPA programs between 1 January 2006 and 31 December 2010.
- From 2009 OPA programs between 1 January 2009 and 31 December 2010. The results of these programs were provided on a preliminary basis by the OPA and will be updated when OPA has the final results, expected in Fall 2010.

¹ For prescribed interest rates, see <http://www.oeb.gov.on.ca/OEB/Industry/Rules+and+Requirements/Rules+Codes+Guidelines+and+Forms/Prescribed+Interest+Rates>

During the period of the LRAM claim, these programs led to savings of over 4,600 MWh in the residential rate class and 1,200 MWh in the GS < 50 kW rate class. In the GS 50-4,999 kW rate class, where distribution charges are based on monthly peak kilowatt use, the savings are approximately 8 kW-months.

Scope

This review examines the measures and energy savings for the MPDC programs run in partnership with or under contract to the Ontario Power Authority (OPA) in 2006, 2007, 2008 and 2009.

An LRAM claim is being requested for revenue lost during the following periods:

- 2006-2008 OPA, Third Tranche and Post-third Tranche programs: 1 January 2006 to 31 December 2010; and
- 2009 OPA programs: 1 January 2009 to 31 December 2010, based on preliminary evaluation results.

No lost revenues are claimed for impacts of smart meter pilots or for distribution system improvements. These were the focus of MPDC's third-tranche activities.

Requested LRAM amounts

Inputs used to calculate energy savings for each prescriptive and custom measure were reviewed to ensure accuracy and suitability.

IndEco finds that appropriate measure specifications were used to calculate program energy savings. For the calculation of LRAM claims, values used are from:

- The '2006-2008 OPA Conservation Results. Middlesex Power Distribution Corporation' was used as a source of inputs for OPA 2006-2008 CDM programs. These evaluated results have been adopted in accordance with Board recommendations that "The Board would consider an evaluation by the OPA or a third party designated by the OPA to be sufficient."² OPA advises that these estimates are prepared in a manner consistent with OPA current practice, and are the same values used to report progress against provincial conservation targets.
- Similarly, the '2006-8 Final + 2009 Preliminary OPA CDM Results Middlesex Power Distribution Corporation'³ were used as a source of inputs for 2009 OPA funded CDM programs.

A summary list of the assumption sources used for the calculation of the LRAM claim is provided in

Table 1.

The measure inputs used to calculate the LRAM claim can be found in Table 7 to Table 9 in Appendix A.

Although OPA has published a 2010 lists of measures and assumptions for prescriptive and quasi-prescriptive measures that were published after some of the evaluations of these programs (though before OPA provided the final evaluation results), those lists are for use where there is not a program-specific evaluation of results, as there is for the OPA programs.

Energy savings for measures installed between 2005 and 31 December 2009 were calculated for the following periods:

- January 1 2009 to 31 December 2010.

Table 2 and Table 3 shows the net and gross energy savings or demand reductions of each program by rate class. OPA program energy savings in Table 2 and Table 3, and LRAM amounts (in Table 5) were acquired directly from spreadsheets provided by the OPA.

² OEB 2008a. Guidelines for Electricity Distributor Conservation and Demand Management. p.28

³ OPA 2010c. 2006-8 Final + 2009 Preliminary OPA CDM Results Middlesex Power Distribution Corporation E-mail from J. Yue (OPA) dated 13 August

Net energy savings were converted to LRAM values by using MPDC distribution rates. Distribution rates are in Table 4.

Total lost revenues, which are being claimed under the LRAM, are presented in Table 5.

Table 1 – Source of assumptions used for the calculation of the LRAM claim

Funding source	Rate class	Program	Source of LRAM inputs
OPA	Residential	2006 Secondary Refrigerator Retirement Pilot	OPA 2010
OPA	Residential	2006 Cool & Hot Savings Rebate	OPA 2010
OPA	Residential	2006 Every Kilowatt Counts	OPA 2010
OPA	Residential	2007 Great Refrigerator Roundup	OPA 2010
OPA	Residential	2007 Cool & Hot Savings Rebate	OPA 2010
OPA	Residential	2007 Every Kilowatt Counts	OPA 2010
OPA	Residential	2007 Summer Savings	OPA 2010
OPA	Residential	2007 Social Housing Pilot	OPA 2010
OPA	Residential	2008 Great Refrigerator Roundup	OPA 2010
OPA	Residential	2008 Cool Savings Rebate	OPA 2010
OPA	Residential	2008 Every Kilowatt Counts Power Savings Event	OPA 2010
OPA	Residential	2008 Summer Sweepstakes	OPA 2010
OPA	GS < 50 kW and GS 50 - 4,999 kW	2008 Electricity Retrofit Incentive Program (ERIP)	OPA 2010
OPA	GS < 50 kW	2008 High Performance New Construction	OPA 2010
OPA	Residential	2009 Great Refrigerator Roundup	OPA 2010
OPA	Residential	2009 Cool Savings Rebate	OPA 2010
OPA	Residential	2009 Every Kilowatt Counts Power Savings Event	OPA 2010
OPA	Residential	2009 peaksaver®	OPA 2010
OPA	GS < 50 kW	2009 High Performance New Construction	OPA 2010
OPA	GS < 50 kW	2009 Power Savings Blitz	OPA 2010

Table 2 – Cumulative net program energy savings and demand savings by rate class within the LRAM claim period¹

Funding source	Program	Program year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
OPA	Cool & Hot Savings Rebate	2006	105,666		
		2007	123,218		
	Cool Savings Rebate	2008	99,240		
		2009	103,872		
	Electricity Retrofit Incentive Program (ERIP)	2008		1,750	8
	Every Kilowatt Counts	2006	2,264,120		
		2007	731,845		
	Every Kilowatt Counts Power Savings Event	2008	502,304		
		2009	89,840		
	Great Refrigerator Roundup	2007	155,970		
		2008	132,652		
		2009	143,339		
	High Performance New Construction	2008		1,418	
		2009		29,139	
	peaksaver®	2009	4,484		
	Power Savings Blitz	2009		1,216,869	
	Secondary Refrigerator Retirement Pilot	2006	42,804		
	Social Housing Pilot	2007	67,131		
	Summer Savings	2007	317		
	Summer Sweepstakes	2008	43,141		
<i>OPA net savings by rate class</i>			4,609,942	1,249,175	8
<i>Total net savings</i>			5,859,117		8

1. Energy savings for the 2009 OPA programs are preliminary. They will be updated when final program results become available.
2. Rates for the general service rate class of customers rated at greater than 50 kW are on a monthly demand basis (kW), not an energy one (kWh). Lost revenue results when the customer's monthly peak demand is lower than it otherwise would be as a result of the CDM initiatives. These are measured in kW-month, which is the reduction within one month of the peak kilowatt demand. (So a 2 kW-month reduction could be realized by reducing the peak demand in the month by 1 kW for two months, or by 2 kW for one month.) Excluded are peak demand reductions associated with demand response programs which are not anticipated to impact on revenues.

Table 3 – Cumulative gross program energy savings and peak demand savings by rate class within the LRAM claim period¹

Funding source	Program	Program year	Residential (kWh)	GS < 50 kW (kWh)	GS > 50 kW (kW-mo)
OPA	Cool & Hot Savings Rebate	2006	133,859		
		2007	242,011		
	Cool Savings Rebate	2008	172,759		
		2009	178,799		
	Electricity Retrofit Incentive Program (ERIP)	2008		3,017	14
	Every Kilowatt Counts	2006	2,515,689		
		2007	995,355		
	Every Kilowatt Counts Power Savings Event	2008	1,245,253		
		2009	137,144		
	Great Refrigerator Roundup	2007	385,311		
		2008	244,416		
		2009	295,893		
	High Performance New Construction	2008		2,025	
		2009		41,627	
	peaksaver®	2009	4,982		
	Power Savings Blitz	2009		1,308,461	
	Secondary Refrigerator Retirement Pilot	2006	47,560		
	Social Housing Pilot	2007	67,131		
	Summer Savings	2007	2,638		
	Summer Sweepstakes	2008	55,604		
<i>OPA gross savings by rate class</i>			6,724,406	1,355,130	14
<i>Total gross savings</i>			8,079,535		14

1. Energy savings for the 2009 OPA programs are preliminary. They will be updated when final program results become available.

Table 4 – Distribution rates per rate class

Rate Class	Units	2006	2007	2008	2009	2010
Residential	\$/kWh	0.0152	0.0149	0.0149	0.0143	0.0139
GS < 50 kW	\$/kWh	0.0056	0.0052	0.0052	0.005	0.0048
GS 50 -4,999 kW	\$/kW/mo	1.6482	1.6185	1.6185	1.5494	1.4368

Table 5 – Summary of requested LRAM amounts in 2011\$

Funding	Program	Year	Residential	GS < 50 kW	GS 50 - 4,999 kW	5-year LRAM
OPA	Cool & Hot Savings Rebate	2006	\$1,644	\$0	\$0	\$1,644
		2007	\$1,862	\$0	\$0	\$1,862
	Cool Savings Rebate	2008	\$1,461	\$0	\$0	\$1,461
		2009	\$1,484	\$0	\$0	\$1,484
	Electricity Retrofit Incentive Program (ERIP)	2008	\$0	\$9	\$13	\$22
	Every Kilowatt Counts	2006	\$35,948	\$0	\$0	\$35,948
		2007	\$11,064	\$0	\$0	\$11,064
	Every Kilowatt Counts Power Savings Event	2008	\$7,396	\$0	\$0	\$7,396
		2009	\$1,284	\$0	\$0	\$1,284
	Great Refrigerator Roundup	2007	\$2,357	\$0	\$0	\$2,357
		2008	\$1,953	\$0	\$0	\$1,953
		2009	\$2,048	\$0	\$0	\$2,048
	High Performance New Construction	2008	\$0	\$7	\$0	\$7
		2009	\$0	\$145	\$0	\$145
	peaksaver®	2009	\$64	\$0	\$0	\$64
	Power Savings Blitz	2009	\$0	\$6,044	\$0	\$6,044
	Secondary Refrigerator Retirement Pilot	2006	\$666	\$0	\$0	\$666
	Social Housing Pilot	2007	\$1,015	\$0	\$0	\$1,015
	Summer Savings	2007	\$5	\$0	\$0	\$5
	Summer Sweepstakes	2008	\$635	\$0	\$0	\$635
<i>Total</i>			<i>\$70,888</i>	<i>\$6,205</i>	<i>\$13</i>	<i>\$77,105</i>

Findings

Although the OEB guidance for this report asks for comments on future program evaluation and improvements to program performance, this guidance is provided through the OPA evaluations, and the on-going refinement of OPA programs.

IndEco has reviewed the input values used to calculate the energy associated with 2006, 2007, 2008 and 2009 OPA-funded programs.

IndEco has concluded that sufficient detail and documentation exists to recommend increasing Middlesex Power Distribution Corp.'s distribution rates in order to collect \$77,105 in LRAM, allocated by rate class as shown in Table 6.

Table 6 – LRAM amounts by rate class in 2011\$¹

Rate class	LRAM
Residential	\$70,888
GS < 50 kW	\$6,205
GS 50 -4,999 kW	\$13
Large use	\$0
Unmetered scattered load	\$0
Sentinel lighting	\$0
Total	\$77,105

1. LRAM claims for 2009 OPA programs are based on preliminary energy savings results. They will be updated when final program results become available.

References

- Ontario Energy Board. (OEB) 2007. Report of the Board on the Regulatory Framework for Conservation and Demand Management by Ontario Electricity Distributors in 2007 and Beyond. (March 2)
- Ontario Energy Board. (OEB) 2008. Guidelines for Electricity Distributor Conservation and Demand Management.
- Ontario Power Authority. (OPA) 2010. 2006-8 Final + 2009 Preliminary OPA CDM Results Middlesex Power Distribution Corp. E-mail from J. Yue (OPA) dated 13 August

Appendix A. Inputs used for energy savings calculations

Table 7 – LRAM inputs and contribution to the total LRAM for all residential rate class measures.

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2006 Secondary Refrigerator Retirement Pilot	Refrigerator Retirement	8	6	10%	1,200	0.272	\$645	OPA 2010
2006 Secondary Refrigerator Retirement Pilot	Freezer Retirement	0.3	6	10%	900	0.204	\$21	OPA 2010
2006 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner - Cool Savings	22	14	10%	390	0.399	\$601	OPA 2010
2006 Cool & Hot Savings Rebate	Programmable Thermostat - Cool Savings	17	18	10%	177	0.181	\$207	OPA 2010
2006 Cool & Hot Savings Rebate	Central Air Conditioner Tune-ups - Cool Savings	15	8	10%	410	0.420	\$431	OPA 2010
2006 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner - Hot Savings	4	18	43%	155	0.169	\$31	OPA 2010
2006 Cool & Hot Savings Rebate	Efficient Furnace with ECM - Hot Savings	9	15	41%	837	0.496	\$363	OPA 2010
2006 Cool & Hot Savings Rebate	Programmable Thermostat - Hot Savings	9	15	73%	54	0.028	\$10	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Compact Fluorescent Light Bulb - Spring Campaign	2,048	4	10%	104	0.000	\$12,264	OPA 2010
2006 Every Kilowatt Counts	Electric Timers - Spring Campaign	57	20	10%	183	0.000	\$735	OPA 2010
2006 Every Kilowatt Counts	Programmable Thermostats - Spring Campaign	25	15	10%	216	0.050	\$378	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Ceiling Fans - Spring Campaign	19	20	10%	141	0.014	\$187	OPA 2010
2006 Every Kilowatt Counts	Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign	3,036	4	10%	104	0.000	\$18,184	OPA 2010
2006 Every Kilowatt Counts	Seasonal Light Emitting Diode Light String - Autumn Campaign	731	30	10%	31	0.000	\$1,573	OPA 2010
2006 Every Kilowatt Counts	Programmable Thermostats - Autumn Campaign	48	18	10%	522	0.118	\$1,761	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2006 Every Kilowatt Counts	Dimmers - Autumn Campaign	38	10	10%	139	0.000	\$371	OPA 2010
2006 Every Kilowatt Counts	Indoor Motion Sensors - Autumn Campaign	14	20	10%	209	0.000	\$200	OPA 2010
2006 Every Kilowatt Counts	Programmable Basebaord Thermostats - Autumn Campaign	3	18	10%	1,466	0.000	\$295	OPA 2010
2007 Great Refrigerator Roundup	Bottom Freezer Fridge	1	9	27%	1,064	0.115	\$43	OPA 2010
2007 Great Refrigerator Roundup	Chest Freezer	26	8	54%	471	0.067	\$339	OPA 2010
2007 Great Refrigerator Roundup	Side by Side Fridge-Freezer	8	9	61%	900	0.097	\$163	OPA 2010
2007 Great Refrigerator Roundup	Single Door Fridge	21	9	61%	721	0.078	\$361	OPA 2010
2007 Great Refrigerator Roundup	Small Freezer (under 10 cubic feet)	1	8	70%	339	0.048	\$6	OPA 2010
2007 Great Refrigerator Roundup	Small Fridge (under 10 cubic feet)	2	9	70%	490	0.052	\$15	OPA 2010
2007 Great Refrigerator Roundup	Top Freezer Fridge	77	9	61%	732	0.079	\$1,327	OPA 2010
2007 Great Refrigerator Roundup	Upright Freezer	5	8	54%	743	0.106	\$103	OPA 2010
2007 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner - Hot Savings	4	18	43%	155	0.169	\$22	OPA 2010
2007 Cool & Hot Savings Rebate	Efficient Furnace with ECM - Hot Savings	9	15	41%	837	0.496	\$260	OPA 2010
2007 Cool & Hot Savings Rebate	Programmable Thermostat - Hot Savings	8	15	73%	54	0.028	\$7	OPA 2010
2007 Cool & Hot Savings Rebate	Energy Star® Central Air Conditioner, Tier 2 - Cool Savings	32	18	43%	155	0.169	\$172	OPA 2010
2007 Cool & Hot Savings Rebate	Medium Efficiency Furnace with ECM - Cool Savings	43	15	41%	837	0.496	\$1,277	OPA 2010
2007 Cool & Hot Savings Rebate	Programmable Thermostat - Cool Savings	40	15	73%	54	0.028	\$36	OPA 2010
2007 Cool & Hot Savings Rebate	Central Air Conditioner Tune-ups - Cool Savings	40	5	84%	235	0.257	\$88	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2007 Every Kilowatt Counts	15 W CFL	3,351	8	22%	43	0.001	\$6,795	OPA 2010
2007 Every Kilowatt Counts	20+ W CFL	546	8	22%	62	0.002	\$1,598	OPA 2010
2007 Every Kilowatt Counts	Energy Star® Light Fixture	13	16	45%	123	0.006	\$53	OPA 2010
2007 Every Kilowatt Counts	T8 Fluorescent Tube	26	18	23%	37	0.001	\$44	OPA 2010
2007 Every Kilowatt Counts	Seasonal LED Light String	888	5	51%	14	0.000	\$360	OPA 2010
2007 Every Kilowatt Counts	Project Porchlight CFL	705	8	24%	43	0.001	\$1,393	OPA 2010
2007 Every Kilowatt Counts	Solar Light	430	5	87%	5	0.000	\$16	OPA 2010
2007 Every Kilowatt Counts	Energy Star® Ceiling Fan	27	10	45%	90	0.003	\$81	OPA 2010
2007 Every Kilowatt Counts	Furnace Filter	109	1	45%	38	0.011	\$37	OPA 2010
2007 Every Kilowatt Counts	Power Bar with Timer	12	10	23%	72	0.006	\$40	OPA 2010
2007 Every Kilowatt Counts	Lighting Control Device	138	10	45%	72	0.019	\$331	OPA 2010
2007 Every Kilowatt Counts	Outdoor Motion Sensor	43	10	45%	160	0.000	\$229	OPA 2010
2007 Every Kilowatt Counts	Dimmer Switch	27	10	45%	24	0.001	\$22	OPA 2010
2007 Every Kilowatt Counts	Programmable Thermostat	26	15	45%	75	0.000	\$66	OPA 2010
2007 Summer Savings	Households, Change in Behaviour Only - Behaviour Related	128	1	88%	5	2.925	\$1	OPA 2010
2007 Summer Savings	Households, Combination of Change in Behaviour and "Pulled Forward" Equipment - Behaviour Related	128	1	88%	3	1.566	\$1	OPA 2010
2007 Summer Savings	Households, Combination of Change in Behaviour and "Pulled Forward" Equipment - Equipment Related	128	2	88%	2	1.374	\$1	OPA 2010
2007 Summer Savings	Households, Combination of Change in Behaviour and "Pulled Forward" Equipment - Compact Fluorescent Light Bulb Related	128	8	88%	0	0.005	\$0	OPA 2010
2007 Summer Savings	Households, Change in Behaviour and Incremental Equipment (With Full Equipment Life) - Behaviour Related	128	1	88%	5	1.744	\$1	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2007 Summer Savings	Households, Change in Behaviour and Incremental Equipment (With Full Equipment Life) - Equipment Related	128	14	88%	1	1.264	\$1	OPA 2010
2007 Summer Savings	Households, Change in Behaviour and Incremental Equipment (With Full Equipment Life) - Compact Fluorescent Light Bulb Related	128	8	88%	0	0.006	\$0	OPA 2010
2007 Social Housing Pilot	Custom Retrofit Projects	14	10	0%	1,229	0.145	\$1,015	OPA 2010
2008 Great Refrigerator Roundup	Bottom Freezer Fridge	1	9	45%	775	0.079	\$13	OPA 2010
2008 Great Refrigerator Roundup	Chest Freezer	21	8	48%	740	0.085	\$352	OPA 2010
2008 Great Refrigerator Roundup	Side by Side Fridge-Freezer	7	9	45%	775	0.079	\$125	OPA 2010
2008 Great Refrigerator Roundup	Single Door Fridge	13	9	45%	775	0.079	\$243	OPA 2010
2008 Great Refrigerator Roundup	Small Freezer (under 10 cubic feet)	0.2	8	48%	740	0.085	\$4	OPA 2010
2008 Great Refrigerator Roundup	Small Fridge (under 10 cubic feet)	0.4	9	45%	775	0.079	\$7	OPA 2010
2008 Great Refrigerator Roundup	Top Freezer Fridge	60	9	45%	775	0.079	\$1,137	OPA 2010
2008 Great Refrigerator Roundup	Upright Freezer	4	8	48%	740	0.085	\$69	OPA 2010
2008 Great Refrigerator Roundup	Window Air Conditioner	1	5	64%	197	0.199	\$3	OPA 2010
2008 Cool Savings Rebate	Energy Star® Central Air Conditioner, Tier 2	6	18	43%	155	0.170	\$25	OPA 2010
2008 Cool Savings Rebate	Medium Efficiency Furnace with ECM	13	15	41%	837	0.496	\$289	OPA 2010
2008 Cool Savings Rebate	Programmable Thermostat	10	15	73%	54	0.028	\$7	OPA 2010
2008 Cool Savings Rebate	Energy Star® Central Air Conditioner, Tier 2	31	18	43%	125	0.137	\$100	OPA 2010
2008 Cool Savings Rebate	Efficient Furnace with ECM	47	18	41%	819	0.485	\$1,014	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2008 Cool Savings Rebate	Programmable Thermostat	40	18	73%	54	0.028	\$26	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Compact Fluorescent Light Bulbs	1,277	8	48%	53	0.002	\$1,562	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Dimmable CFLs	139	6	62%	98	0.003	\$226	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Decorative CFLs	2,158	4	61%	30	0.001	\$1,117	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Compact Fluorescent Floods (Indoor & Outdoor)	599	7	63%	88	0.003	\$869	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Energy Star® Qualified Light Fixtures	930	16	67%	133	0.004	\$1,830	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	T8 Fluorescent Fixtures	169	16	67%	37	0.001	\$91	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Lighting Control Devices	182	10	55%	102	0.003	\$373	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Power Bars with Timers	10	10	59%	53	0.004	\$10	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Heavy Duty Timers	21	10	67%	301	0.017	\$93	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Programmable Thermostats - Baseboard	59	15	53%	64	0.000	\$77	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Air Conditioner/Furnace Filters	55	1	65%	38	0.021	\$11	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Pipe Wrap	1,192	6	53%	38	0.003	\$937	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Keep Cool Pilot – Dehumidifier	0.4	12	65%	500	0.290	\$3	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Keep Cool Pilot – Room Air Conditioner	0.4	9	58%	141	0.142	\$1	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Rewards for Recycling – Dehumidifier	11	12	56%	500	0.290	\$108	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Rewards for Recycling – Room Air Conditioner	12	9	56%	141	0.142	\$33	OPA 2010
2008 Every Kilowatt Counts Power Savings Event	Rewards for Recycling – Halogen Lamp	10	16	52%	275	0.009	\$56	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2008 Summer Sweepstakes	Registered qualified active households	8	5	22%	421	0.111	\$116	OPA 2010
2008 Summer Sweepstakes	Registered unqualified active households	12	5	22%	421	0.111	\$175	OPA 2010
2008 Summer Sweepstakes	Registered qualified inactive households	1	5	22%	421	0.111	\$12	OPA 2010
2008 Summer Sweepstakes	Registered unqualified inactive households	3	5	22%	421	0.111	\$44	OPA 2010
2008 Summer Sweepstakes	Non-registered active households	393	5	22%	21	0.005	\$289	OPA 2010
2009 Great Refrigerator Roundup	Bottom Freezer Fridge	1	9	52%	858	0.108	\$12	OPA 2010
2009 Great Refrigerator Roundup	Chest Freezer	44	8	50%	501	0.063	\$316	OPA 2010
2009 Great Refrigerator Roundup	Side by Side Fridge-Freezer	11	9	52%	858	0.108	\$130	OPA 2010
2009 Great Refrigerator Roundup	Single Door Fridge	18	9	52%	858	0.108	\$213	OPA 2010
2009 Great Refrigerator Roundup	Top Freezer Fridge	109	9	52%	858	0.108	\$1,288	OPA 2010
2009 Great Refrigerator Roundup	Upright Freezer	8	8	50%	501	0.063	\$57	OPA 2010
2009 Great Refrigerator Roundup	Window Air Conditioner	7	5	57%	266	0.269	\$23	OPA 2010
2009 Great Refrigerator Roundup	Dehumidifier	3	5	57%	266	0.269	\$10	OPA 2010
2009 Cool Savings Rebate	Energy Star® Central Air Conditioner, Tier 2	14	18	43%	196	0.214	\$45	OPA 2010
2009 Cool Savings Rebate	Energy Star® Central Air Conditioner, Tier 1	36	18	43%	196	0.214	\$115	OPA 2010
2009 Cool Savings Rebate	Efficient Furnace with ECM	91	15	41%	847	0.502	\$1,307	OPA 2010
2009 Cool Savings Rebate	Programmable Thermostat	64	15	73%	35	0.028	\$18	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Standard CFL (single pack)	42	8	24%	53	0.002	\$49	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Standard CFL (multi (6) pack)	98	8	24%	258	0.008	\$549	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2009 Every Kilowatt Counts Power Savings Event	Energy Star Specialty CFL	266	6	24%	63	0.002	\$365	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Light Fixtures	29	16	45%	123	0.004	\$55	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Hard-Wired Indoor Light Fixtures	31	16	45%	123	0.004	\$60	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Ceiling Fans	13	10	45%	90	0.003	\$18	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Weather Stripping (packages)	29	2	30%	2	0.000	\$1	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Weather Stripping (door kits)	19	2	64%	2	0.000	\$0	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Pipe Wrap – Purchase of 3	21	6	64%	38	0.003	\$8	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Water Heater Blanket	4	6	64%	270	0.021	\$10	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Window Film	3	10	64%	45	0.022	\$2	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Lighting and Appliance Controls – Power Bar with Integrated Timer	6	10	64%	72	0.006	\$5	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Lighting and Appliance Controls – Hard Wired Indoor Timer	4	10	64%	219	0.007	\$8	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Lighting and Appliance Controls – Hard Wired Motion Sensor	8	10	64%	64	0.002	\$5	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Lighting and Appliance Controls – Heavy Duty Outdoor Timer includes Pool Timers	9	10	64%	511	0.155	\$48	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Programmable Thermostat (single pack)	6	15	45%	75	0.000	\$7	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Programmable Thermostat (multi (3) pack)	2	15	45%	225	0.000	\$7	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Clothes Line Kit or Cloths Line Umbrella Stand	12	10	50%	226	0.077	\$38	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Energy Star Dehumidifier Recycling	7	12	56%	342	0.346	\$30	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2009 Every Kilowatt Counts Power Savings Event	Energy Star Room Air Conditioner Recycling	7	9	56%	96	0.098	\$9	OPA 2010
2009 Every Kilowatt Counts Power Savings Event	Halogen Floor Lamp Recycling	3	6	52%	225	0.007	\$9	OPA 2010
2009 peaksaver®	Residential Air Conditioner - Switch	80	13	10%	17	0.865	\$36	OPA 2010
2009 peaksaver®	Residential Air Conditioner - Thermostat	64	13	10%	17	0.865	\$28	OPA 2010
Residential total							\$70,888	

Table 8 – LRAM inputs and contribution to total LRAM for all GS < 50 kW rate class measures.

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2008 Electricity Retrofit Incentive Program (ERIP)	Lighting System T5 Fixtures, High Bay T5. Maximum 6 lamps/fixture. - Commercial Sector	22	15	42%	2,958	0.582	\$9	OPA 2010
2008 High Performance New Construction	Custom Project	0.002	14	30%	675	0.800	\$7	OPA 2010
2009 High Performance New Construction	Custom Project	0.1	20	30%	20,813	9.129	\$145	OPA 2010
2009 Power Savings Blitz	2) From: 1 Lamp 8' -T12-75W-Magnetic Ballasts to: 1 - 8' lamp with 80% ballast factor T8-Electronic Ballast - Retail Sector	2	15	7%	324	0.044	\$3	OPA 2010
2009 Power Savings Blitz	4) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 4 - 4' end to end 32 watt lamps with 80% ballast factor T8-Electronic Ballast - Retail Sector	14	15	7%	4,396	0.602	\$41	OPA 2010
2009 Power Savings Blitz	7) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + Reflector with 90% ballast factor T8-Electronic Ballast - Retail Sector	141	15	7%	77,550	10.575	\$716	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2009 Power Savings Blitz	9) From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1 - 4' 32 watt lamp + reflector with 90% ballast factor T8-Electronic Ballast - Retail Sector	72	15	7%	18,216	2.448	\$168	OPA 2010
2009 Power Savings Blitz	11) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + reflector T8-Electronic Ballast - Retail Sector	244	15	7%	124,684	17.080	\$1,152	OPA 2010
2009 Power Savings Blitz	12) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 4 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Retail Sector	3	15	7%	825	0.111	\$8	OPA 2010
2009 Power Savings Blitz	13) From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1 - 4' lamp with either 32 watt ballast of 80% ballast factor or 25 watt lamp T8-Electronic Ballast - Retail Sector	3	15	7%	237	0.033	\$2	OPA 2010
2009 Power Savings Blitz	14) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 1 - 4' 32 watt lamp + reflector with 90% ballast factor T8-Electronic Ballast - Retail Sector	5	15	7%	1,050	0.145	\$10	OPA 2010
2009 Power Savings Blitz	15) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Retail Sector	178	15	7%	15,486	2.136	\$143	OPA 2010
2009 Power Savings Blitz	16) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + reflector T8-Electronic Ballast - Retail Sector	6	15	7%	2,568	0.348	\$24	OPA 2010
2009 Power Savings Blitz	17) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Retail Sector	277	15	7%	53,184	7.202	\$491	OPA 2010
2009 Power Savings Blitz	18) From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 U-Tube Lamps 2' -T8-32W-Electronic Ballast - Retail Sector	4	15	7%	420	0.056	\$4	OPA 2010
2009 Power Savings Blitz	19) From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 Linear 2' + Reflector F17T8 2' -T8-32W-Electronic Ballast - Retail Sector	2	15	7%	428	0.058	\$4	OPA 2010
2009 Power Savings	20) From: 2-15W Lamps Exit Sign - incandescent to:	272	16	7%	64,464	8.704	\$595	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
Blitz	3W LED Energy Star rated LED Exit Sign - Retail Sector							
2009 Power Savings Blitz	22) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated CFL (Screw-in replacement) - Retail Sector	412	2	7%	52,324	7.004	\$483	OPA 2010
2009 Power Savings Blitz	23) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated CFL (Screw-in replacement) - Retail Sector	18	2	7%	3,690	0.504	\$34	OPA 2010
2009 Power Savings Blitz	25) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated CFL (Screw-in replacement) - Retail Sector	2	2	7%	1,066	0.144	\$10	OPA 2010
2009 Power Savings Blitz	26) From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 15W CFLPAR38/30 ENERGY STAR® rated PAR CFL - Retail Sector	2	2	7%	394	0.054	\$4	OPA 2010
2009 Power Savings Blitz	27) From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 18W CFLPAR38/30 ENERGY STAR® rated PAR CFL - Retail Sector	3	2	7%	747	0.102	\$7	OPA 2010
2009 Power Savings Blitz	28) From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 26W CFL PAR38/30 ENERGY STAR® rated PAR CFL - Retail Sector	97	2	7%	31,331	4.268	\$289	OPA 2010
2009 Power Savings Blitz	29) From: 40 - 60W standard incandescent PAR Lights - Track lighting or product highlighting to: 15W CFL Energy Star rated Flood CFL - Retail Sector	59	2	7%	11,623	1.593	\$107	OPA 2010
2009 Power Savings Blitz	30) From: 40 - 60W standard halogen PAR Lights - Track lighting or product highlighting to: 32 Watt IR coated halogen Energy Star rated Flood CFL - Retail Sector	14	1	7%	1,708	0.238	\$8	OPA 2010
2009 Power Savings Blitz	32) From: 75W standard incandescent PAR Lights - Track lighting or product highlighting to: 50 Watt Halogen Energy Star rated Flood CFL - Retail Sector	12	1	7%	1,308	0.180	\$6	OPA 2010
2009 Power Savings Blitz	33) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to: 23 to 28 watt CFL Par 38/30 Energy Star rated Flood CFL - Retail	14	2	7%	3,794	0.518	\$35	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
	Sector							
2009 Power Savings Blitz	48) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2 - 8' lamps with 90% ballast factor T8-Electronic Ballast - Retail Sector	79	15	7%	24,806	3.397	\$229	OPA 2010
2009 Power Savings Blitz	49) From: 4 Lamps 8' -T12-75W-Magnetic Ballasts to: 4 - 8' lamps with 2 electronic ballasts of 90% ballast factor T8-Electronic Ballast - Retail Sector	1	15	7%	612	0.083	\$6	OPA 2010
2009 Power Savings Blitz	50) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 8' 59wat lamps + reflector with 90% ballast factor T8-Electronic Ballast - Retail Sector	13	15	7%	4,082	0.559	\$38	OPA 2010
2009 Power Savings Blitz	51) From: 4 Lamps 8' -T12-60W-Magnetic Ballasts to: 4 - 8' lamps with 2 electronic ballasts of 90% ballast factor T8-Electronic Ballast - Retail Sector	28	15	7%	17,136	2.324	\$158	OPA 2010
2009 Power Savings Blitz	52) From: 2 Lamps 4' -T8 32W-Magnetic Ballasts to: 2 - 4' 25 watt lamps with electronic ballasts T8-Electronic Ballast - Retail Sector	15	15	7%	1,305	0.180	\$12	OPA 2010
2009 Power Savings Blitz	54) From: 2 - 8' T12 High Output Lamps High Output T12-Magnetic Ballasts to: 2 - 8' High Output T8 lamps with electronic ballasts High Output T8-Electronic Ballast - Retail Sector	1	15	7%	144	0.020	\$1	OPA 2010
2009 Power Savings Blitz	55) From: 175W Metal Halide Metal Halide to: 1 - 150W Metal Halide Direct Lamp replacement Metal Halide Direct Lamp Replacement - Retail Sector	6	12	7%	654	0.090	\$6	OPA 2010
2009 Power Savings Blitz	64) From: 100 - 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to: 22 - 26W Dimmable CFL R Lamp ENERGY STAR® rated Dimmable CFL R Lamp - Retail Sector	33	2	7%	14,553	1.980	\$134	OPA 2010
2009 Power Savings Blitz	7) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + Reflector with 90% ballast factor T8-Electronic Ballast - Food Service Sector	1	15	7%	780	0.106	\$7	OPA 2010
2009 Power Savings Blitz	9) From: 2 Lamps 4' -T12-40W-Magnetic Ballasts to: 1 - 4' 32 watt lamp + reflector with 90% ballast factor T8-Electronic Ballast - Food Service Sector	4	15	7%	1,436	0.196	\$13	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2009 Power Savings Blitz	11) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + reflector T8-Electronic Ballast - Food Service Sector	6	15	7%	4,344	0.588	\$40	OPA 2010
2009 Power Savings Blitz	15) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Food Service Sector	24	15	7%	2,976	0.408	\$27	OPA 2010
2009 Power Savings Blitz	17) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Food Service Sector	10	15	7%	2,720	0.370	\$25	OPA 2010
2009 Power Savings Blitz	20) From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated LED Exit Sign - Food Service Sector	23	16	7%	5,451	0.736	\$50	OPA 2010
2009 Power Savings Blitz	21) From: 2-15W Lamps Exit Sign - incandescent to: Replace entire fixture with LED sign Energy Star rated LED Exit Sign - Food Service Sector	5	16	7%	1,185	0.160	\$11	OPA 2010
2009 Power Savings Blitz	22) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated CFL (Screw-in replacement) - Food Service Sector	18	2	7%	3,222	0.432	\$30	OPA 2010
2009 Power Savings Blitz	28) From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 26W CFL PAR38/30 ENERGY STAR® rated PAR CFL - Food Service Sector	8	2	7%	3,664	0.496	\$34	OPA 2010
2009 Power Savings Blitz	48) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2 - 8' lamps with 90% ballast factor T8-Electronic Ballast - Food Service Sector	6	15	7%	2,676	0.366	\$25	OPA 2010
2009 Power Savings Blitz	52) From: 2 Lamps 4' -T8 32W-Magnetic Ballasts to: 2 - 4' 25 watt lamps with electronic ballasts T8-Electronic Ballast - Food Service Sector	1	15	7%	124	0.017	\$1	OPA 2010
2009 Power Savings Blitz	64) From: 100 - 150W Incandescent R Lamp Incandescent R Lamp on Dimmers to: 22 - 26W Dimmable CFL R Lamp ENERGY STAR® rated Dimmable CFL R Lamp - Food Service Sector	11	2	7%	6,875	0.935	\$64	OPA 2010
2009 Power Savings	4) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to:	28	15	7%	7,644	1.036	\$71	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
Blitz	4 - 4' end to end 32 watt lamps with 80% ballast factor T8-Electronic Ballast - Office Sector							
2009 Power Savings Blitz	7) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + Reflector with 90% ballast factor T8-Electronic Ballast - Office Sector	1	15	7%	478	0.065	\$4	OPA 2010
2009 Power Savings Blitz	11) From: 4 Lamps 4' -T12-40W-Magnetic Ballasts to: 2 - 4' 32 watt lamps + reflector T8-Electronic Ballast - Office Sector	1	15	7%	444	0.060	\$4	OPA 2010
2009 Power Savings Blitz	13) From: 1 Lamp 4' -T12-34W-Magnetic Ballasts to: 1 - 4' lamp with either 32 watt ballast of 80% ballast factor or 25 watt lamp T8-Electronic Ballast - Office Sector	1	15	7%	68	0.009	\$1	OPA 2010
2009 Power Savings Blitz	15) From: 2 Lamps 4' -T12-34W-Magnetic Ballasts to: 2 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Office Sector	68	15	7%	5,168	0.680	\$48	OPA 2010
2009 Power Savings Blitz	17) From: 4 Lamps 4' -T12-34W-Magnetic Ballasts to: 4 - 4' lamps with either 32 watt ballast of 80% ballast factor or 25 watt lamps T8-Electronic Ballast - Office Sector	154	15	7%	25,718	3.542	\$238	OPA 2010
2009 Power Savings Blitz	20) From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated LED Exit Sign - Office Sector	54	16	7%	12,798	1.728	\$118	OPA 2010
2009 Power Savings Blitz	22) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated CFL (Screw-in replacement) - Office Sector	114	2	7%	12,540	1.710	\$116	OPA 2010
2009 Power Savings Blitz	23) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated CFL (Screw-in replacement) - Office Sector	13	2	7%	2,314	0.312	\$21	OPA 2010
2009 Power Savings Blitz	25) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated CFL (Screw-in replacement) - Office Sector	4	2	7%	1,852	0.252	\$17	OPA 2010
2009 Power Savings Blitz	28) From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to: 26W CFL PAR38/30 ENERGY STAR® rated PAR CFL - Office	26	2	7%	7,306	0.988	\$67	OPA 2010

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
	Sector							
2009 Power Savings Blitz	29) From: 40 - 60W standard incandescent PAR Lights - Track lighting or product highlighting to: 15W CFL Energy Star rated Flood CFL - Office Sector	4	2	7%	684	0.092	\$6	OPA 2010
2009 Power Savings Blitz	32) From: 75W standard incandescent PAR Lights - Track lighting or product highlighting to: 50 Watt Halogen Energy Star rated Flood CFL - Office Sector	5	1	7%	475	0.065	\$2	OPA 2010
2009 Power Savings Blitz	33) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting to: 23 to 28 watt CFL Par 38/30 Energy Star rated Flood CFL - Office Sector	9	2	7%	2,115	0.288	\$20	OPA 2010
2009 Power Savings Blitz	48) From: 2 Lamps 8' -T12-75W-Magnetic Ballasts to: 2 - 8' lamps with 90% ballast factor T8-Electronic Ballast - Office Sector	14	15	7%	3,822	0.518	\$35	OPA 2010
2009 Power Savings Blitz	50) From: 2 Lamps 8' -T12-60W-Magnetic Ballasts to: 2 - 8' 59wat lamps + reflector with 90% ballast factor T8-Electronic Ballast - Office Sector	2	15	7%	546	0.074	\$5	OPA 2010
2009 Power Savings Blitz	51) From: 4 Lamps 8' -T12-60W-Magnetic Ballasts to: 4 - 8' lamps with 2 electronic ballasts of 90% ballast factor T8-Electronic Ballast - Office Sector	2	15	7%	1,062	0.144	\$10	OPA 2010
2009 Power Savings Blitz	52) From: 2 Lamps 4' -T8 32W-Magnetic Ballasts to: 2 - 4' 25 watt lamps with electronic ballasts T8-Electronic Ballast - Office Sector	5	15	7%	380	0.050	\$4	OPA 2010
GS < 50 kW total							\$6,205	

Table 9 - LRAM inputs and contribution to the total LRAM for all GS 50 - 4999 rate class measures.

Program	Energy Efficient Measure	Number of units	Measure life	LRAM Free Ridership	Annual energy savings (kWh/a)	Annual peak demand savings (kW/a)	Contribution to LRAM (2011\$)	Assumption Source
2008 Electricity Retrofit Incentive Program (ERIP)	Lighting System T5 Fixtures, High Bay T5. Maximum 6 lamps/fixture. - Commercial Sector	22	15	42%	2,958	0.582	\$13	OPA 2010
GS 50 – 4,999 kW total							\$13	

Table 10 – Residential program LRAM contributions and carrying charges

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (programyear\$)	Carrying charges (\$)	LRAM (2011\$)
2006 Every Kilowatt Counts	2006	548,355	0.0152	\$8,335	\$1,163	\$9,498
	2007	548,355	0.0149	\$8,170	\$762	\$8,932
	2008	548,355	0.0149	\$8,170	\$378	\$8,549
	2009	548,355	0.0143	\$7,841	\$135	\$7,976
	2010	70,700	0.0139	\$983	\$10	\$992
2006 Every Kilowatt Counts Sum		2,264,120		\$33,500	\$2,448	\$35,948
2007 Every Kilowatt Counts	2006	0	0.0152	\$0	\$0	\$0
	2007	184,655	0.0149	\$2,751	\$256	\$3,008
	2008	182,397	0.0149	\$2,718	\$126	\$2,844
	2009	182,397	0.0143	\$2,608	\$45	\$2,653
	2010	182,397	0.0139	\$2,535	\$25	\$2,560
2007 Every Kilowatt Counts Sum		731,845		\$10,613	\$452	\$11,064
2007 Great Refrigerator Roundup	2006	0	0.0152	\$0	\$0	\$0
	2007	38,992	0.0149	\$581	\$54	\$635
	2008	38,992	0.0149	\$581	\$27	\$608

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (programyear\$)	Carrying charges (\$)	LRAM (2011\$)
	2009	38,992	0.0143	\$558	\$10	\$567
	2010	38,992	0.0139	\$542	\$5	\$547
2007 Great Refrigerator Roundup Sum		155,970		\$2,262	\$96	\$2,357
2007 Summer Savings	2006	0	0.0152	\$0	\$0	\$0
	2007	244	0.0149	\$4	\$0	\$4
	2008	41	0.0149	\$1	\$0	\$1
	2009	16	0.0143	\$0	\$0	\$0
	2010	16	0.0139	\$0	\$0	\$0
2007 Summer Savings Sum		317		\$5	\$0	\$5
2008 Great Refrigerator Roundup	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	44,217	0.0149	\$659	\$31	\$689
	2009	44,217	0.0143	\$632	\$11	\$643
	2010	44,217	0.0139	\$615	\$6	\$621
2008 Great Refrigerator Roundup Sum		132,652		\$1,906	\$47	\$1,953
2008 Summer Sweepstakes	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	14,380	0.0149	\$214	\$10	\$224
	2009	14,380	0.0143	\$206	\$4	\$209
	2010	14,380	0.0139	\$200	\$2	\$202
2008 Summer Sweepstakes Sum		43,141		\$620	\$15	\$635
2009 Great Refrigerator Roundup	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	0	0.0149	\$0	\$0	\$0
	2009	71,670	0.0143	\$1,025	\$18	\$1,042
	2010	71,670	0.0139	\$996	\$10	\$1,006
2009 Great Refrigerator Roundup Sum		143,339		\$2,021	\$27	\$2,048

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (programyear\$)	Carrying charges (\$)	LRAM (2011\$)
2006 Secondary Refrigerator Retirement Pilot	2006	8,561	0.0152	\$130	\$18	\$148
	2007	8,561	0.0149	\$128	\$12	\$139
	2008	8,561	0.0149	\$128	\$6	\$133
	2009	8,561	0.0143	\$122	\$2	\$125
	2010	8,561	0.0139	\$119	\$1	\$120
2006 Secondary Refrigerator Retirement Pilot Sum		42,804		\$627	\$39	\$666
2006 Cool & Hot Savings Rebate	2006	21,133	0.0152	\$321	\$45	\$366
	2007	21,133	0.0149	\$315	\$29	\$344
	2008	21,133	0.0149	\$315	\$15	\$329
	2009	21,133	0.0143	\$302	\$5	\$307
	2010	21,133	0.0139	\$294	\$3	\$297
2006 Cool & Hot Savings Rebate Sum		105,666		\$1,547	\$97	\$1,644
2007 Cool & Hot Savings Rebate	2006	0	0.0152	\$0	\$0	\$0
	2007	30,804	0.0149	\$459	\$43	\$502
	2008	30,804	0.0149	\$459	\$21	\$480
	2009	30,804	0.0143	\$441	\$8	\$448
	2010	30,804	0.0139	\$428	\$4	\$432
2007 Cool & Hot Savings Rebate Sum		123,218		\$1,787	\$76	\$1,862
2007 Social Housing Pilot	2006	0	0.0152	\$0	\$0	\$0
	2007	16,783	0.0149	\$250	\$23	\$273
	2008	16,783	0.0149	\$250	\$12	\$262
	2009	16,783	0.0143	\$240	\$4	\$244
	2010	16,783	0.0139	\$233	\$2	\$236
2007 Social Housing Pilot Sum		67,131		\$973	\$41	\$1,015
2008 Cool Savings Rebate	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (programyear\$)	Carrying charges (\$)	LRAM (2011\$)
	2008	33,080	0.0149	\$493	\$23	\$516
	2009	33,080	0.0143	\$473	\$8	\$481
	2010	33,080	0.0139	\$460	\$4	\$464
2008 Cool Savings Rebate Sum		99,240		\$1,426	\$35	\$1,461
2008 Every Kilowatt Counts Power Savings Event	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	167,922	0.0149	\$2,502	\$116	\$2,618
	2009	167,191	0.0143	\$2,391	\$41	\$2,432
	2010	167,191	0.0139	\$2,324	\$23	\$2,347
2008 Every Kilowatt Counts Power Savings Event Sum		502,304		\$7,217	\$179	\$7,396
2009 Cool Savings Rebate	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	0	0.0149	\$0	\$0	\$0
	2009	51,936	0.0143	\$743	\$13	\$755
	2010	51,936	0.0139	\$722	\$7	\$729
2009 Cool Savings Rebate Sum		103,872		\$1,465	\$20	\$1,484
2009 Every Kilowatt Counts Power Savings Event	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	0	0.0149	\$0	\$0	\$0
	2009	44,920	0.0143	\$642	\$11	\$653
	2010	44,920	0.0139	\$624	\$6	\$630
2009 Every Kilowatt Counts Power Savings Event Sum		89,840		\$1,267	\$17	\$1,284
2009 peaksaver®	2006	0	0.0152	\$0	\$0	\$0
	2007	0	0.0149	\$0	\$0	\$0
	2008	0	0.0149	\$0	\$0	\$0

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (programyear\$)	Carrying charges (\$)	LRAM (2011\$)
	2009	2,242	0.0143	\$32	\$1	\$33
	2010	2,242	0.0139	\$31	\$0	\$31
2009 peaksaver® Sum		4,484		\$63	\$1	\$64
Residential total		4,609,942		\$67,297	\$3,591	\$70,888

1. Carrying charges are calculated quarterly, at the measure (not program) level to capture different carrying charge interest rates by quarter, program ramp up, and measure life.

Table 11 – GS < 50 kW program LRAM contributions and carrying charges.

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (program-year\$)	Carrying charges (\$)	LRAM (2011\$)
2008 High Performance New Construction	2006	0	0.0056	\$0	\$0	\$0
	2007	0	0.0052	\$0	\$0	\$0
	2008	473	0.0052	\$2	\$0	\$3
	2009	473	0.0050	\$2	\$0	\$2
	2010	473	0.0048	\$2	\$0	\$2
2008 High Performance New Construction Sum		1,418		\$7	\$0	\$7
2009 High Performance New Construction	2006	0	0.0056	\$0	\$0	\$0
	2007	0	0.0052	\$0	\$0	\$0
	2008	0	0.0052	\$0	\$0	\$0
	2009	14,569	0.0050	\$73	\$1	\$74
	2010	14,569	0.0048	\$70	\$1	\$71
2009 High Performance New Construction Sum		29,139		\$143	\$2	\$145
2009 Power Savings Blitz	2006	0	0.0056	\$0	\$0	\$0
	2007	0	0.0052	\$0	\$0	\$0
	2008	0	0.0052	\$0	\$0	\$0

Program	Year of savings	Energy savings (kWh)	Energy rate (\$/kWh)	LRAM (program-year\$)	Carrying charges (\$)	LRAM (2011\$)
	2009	610,058	0.0050	\$3,050	\$52	\$3,103
	2010	606,811	0.0048	\$2,913	\$28	\$2,941
2009 Power Savings Blitz Sum		1,216,869		\$5,963	\$81	\$6,044
2008 Electricity Retrofit Incentive Program (ERIP)	2006	0	0.0056	\$0	\$0	\$0
	2007	0	0.0052	\$0	\$0	\$0
	2008	583	0.0052	\$3	\$0	\$3
	2009	583	0.0050	\$3	\$0	\$3
	2010	583	0.0048	\$3	\$0	\$3
2008 Electricity Retrofit Incentive Program (ERIP) Sum		1,750		\$9	\$0	\$9
GS < 50 kW total		1,249,175		\$6,122	\$83	\$6,205

1. Carrying charges are calculated quarterly, at the measure (not program) level to capture different carrying charge interest rates by quarter, program ramp up, and measure life.

Table 12 – GS 50 to 4999 kW program LRAM contributions and carrying charges.

Program	Year of savings	Energy savings (kW-mo)	Energy rate (\$/kW-mo)	LRAM (programyear\$)	Carrying charges (\$)	LRAM (2011\$)
2008 Electricity Retrofit Incentive Program (ERIP)	2006	0	1.6482	\$0.0	\$0.0	\$0.0
	2007	0	1.6185	\$0.0	\$0.0	\$0.0
	2008	3	1.6185	\$4.3	\$0.2	\$4.5
	2009	3	1.5494	\$4.1	\$0.1	\$4.2
	2010	3	1.4368	\$3.8	\$0.0	\$3.9
2008 Electricity Retrofit Incentive Program (ERIP) Sum		8		\$12.3	\$0.3	\$12.6
GS > 50 kW total		8		\$12.3	\$0.3	\$12.6

1. Carrying charges are calculated quarterly, at the measure (not program) level to capture different carrying charge interest rates by quarter, program ramp up, and measure life.

The LRAM without carrying charges (the sum of the program-year\$ totals from Table 10 to Table 12) is \$73,430. The carrying charges are \$3,674.



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IRM2 Rate Generator



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

LDC Information

Applicant Name	Middlesex Power Distribution Corporation - Middlesex
Application Type	IRM2
OEB Application Number	EB-2010-0098
Tariff Effective Date	May 1, 2011
LDC Licence Number	ED-2003-0059
Notice Publication Language	English
DRC Rate	0.00700
Customer Bills	12 per year
Distribution Demand Bill Determinant	kW
Special Purpose Charge - Current	Yes
Special Purpose Charge - Applied	Yes
<u>Application Contact Information</u>	
Name:	Cheryl Decaire
Title:	Co-ordinator of Regulatory and Rates
Phone Number:	519-352-6300 x405
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File Number: EB-2010-0098
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Name of LDC: Middlesex Power Distribution Corporation - Middlesex
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Show or Hide Sheet Selection

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C2.1 Def Var Disp 2010	Show	To be used by distributor that had a Rate Rider for Deferral Variance Account Disposition (2010)
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C2.5 Tier 2 Recovery	Show	To be used by distributor that had a Rate Rider for Tier 2 Recovery
C3.1 Curr Low Voltage Vol Rt	Show	To be used by distributor that had a Rate Rider for Low Voltage Volumetric Rate
C3.2 Global Adjustment Elect	Show	To be used by distributor that had a Rate Rider for GA Sub-Acct - Electricity
C3.3 Global Adjustment Del	Show	To be used by distributor that had a Rate Rider for GA Sub-Acct - Delivery
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J2.3 Regulatory Asset Recovery	Show	To be used by distributor that is applying for a Rate Rider for Regulatory Asset Recovery
J2.4 Smart Meter Disposition 2	Show	To be used by distributor that is applying for a Rate Rider for Smart Meter Disposition 2
J2.5 Smart Meter Disposition 3	Show	To be used by distributor that is applying for a Rate Rider for Smart Meter Disposition 3
J3.1 App For Low Voltage Vol Rt	Show	To be used by distributor that is applying for a Rate Rider for Low Voltage Volumetric Rate
J3.2 Global Adjust Elec 2010	Show	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Electricity 2010
J3.21 Global Adjust Elec 2011	Show	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Electricity 2011
J3.3 Global Adjust Del 2010	Show	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Delivery 2010
J3.31 Global Adjust Del 2011	Show	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Delivery 2011



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Current and Applied For Rate Classes

Rate Group	Rate Class	Fixed Metric	Vol Metric
RES	Residential	Customer - 12 per year	kWh
GSLT50	General Service Less Than 50 kW	Customer - 12 per year	kWh
GSGT50	General Service 50 to 4,999 kW	Customer - 12 per year	kW
LU	Large Use	Customer - 12 per year	kW
USL	Unmetered Scattered Load	Connection - 12 per year	kWh
Sen	Sentinel Lighting	Connection - 12 per year	kW
SL	Street Lighting	Connection - 12 per year	kW
NA	Rate Class 8	NA	NA
NA	Rate Class 9	NA	NA
NA	Rate Class 10	NA	NA
NA	Rate Class 11	NA	NA
NA	Rate Class 12	NA	NA
NA	Rate Class 13	NA	NA
NA	Rate Class 14	NA	NA
NA	Rate Class 15	NA	NA
NA	Rate Class 16	NA	NA
NA	Rate Class 17	NA	NA
NA	Rate Class 18	NA	NA
NA	Rate Class 19	NA	NA
NA	Rate Class 20	NA	NA
NA	Rate Class 21	NA	NA
NA	Rate Class 22	NA	NA
NA	Rate Class 23	NA	NA
NA	Rate Class 24	NA	NA
NA	Rate Class 25	NA	NA



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Current Smart Meter Funding Adder

Rate Adder	Smart Meters
Tariff Sheet Disclosure	Yes
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.260000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	1.260000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	1.260000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	1.260000	Customer - 12 per year	0.000000	kW
Large Use	Yes	1.260000	Customer - 12 per year	0.000000	kW



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Deferral Variance Account Disposition (2010)

Rate Rider	Deferral Variance Account Disposition (2010)
Sunset Date	April 30, 2011 <small>DD/MM/YYYY</small>
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	-0.003400	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	-0.003300	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	-1.202200	kW
Large Use	Yes	0.000000	Customer - 12 per year	-1.403600	kW
Unmetered Scattered Load	No	0.000000	Connection - 12 per year	0.000000	kWh
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	-1.356700	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	-1.097000	kW



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Regulatory Asset Recovery

Rate Rider	Regulatory Asset Recovery
Sunset Date	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

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



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Smart Meter Disposition 2

Rate Rider	Smart Meter Disposition 2
Sunset Date	until next cost of service application <small>DD/MM/YYYY</small>
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.230000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	1.230000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	1.230000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	1.230000	Customer - 12 per year	0.000000	kW
Large Use	Yes	1.230000	Customer - 12 per year	0.000000	kW



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Smart Meter Disposition 3

Rate Rider	Smart Meter Disposition 3
Sunset Date	until next cost of service application <small>DDMMYYYY</small>
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	0.770000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.770000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	0.770000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	0.770000	Customer - 12 per year	0.000000	kW
Large Use	Yes	0.770000	Customer - 12 per year	0.000000	kW



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Tier 2 Recovery

Rate Rider	Tier 2 Recovery
Sunset Date	April 30, 2011 <small>DD/MM/YYYY</small>
Metric Applied To	All Customers
Method of Application	Both Distinct

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	-0.350000	Customer - 12 per year	-0.000400	kWh
General Service Less Than 50 kW	Yes	-0.460000	Customer - 12 per year	-0.000100	kWh
General Service 50 to 4,999 kW	Yes	-1.110000	Customer - 12 per year	-0.040400	kW
Large Use	Yes	-93.550000	Customer - 12 per year	-0.005600	kW
Unmetered Scattered Load	Yes	-0.230000	Connection - 12 per year	-0.000100	kWh
Sentinel Lighting	Yes	0.000000	Connection - 12 per year	-0.027300	kW
Street Lighting	Yes	0.000000	Connection - 12 per year	-0.016800	kW



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Current Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	Yes - Shown on Tariff Sheet
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class		Current Low Voltage
Residential	kWh	0.000300
General Service Less Than 50 kW	kWh	0.000200
General Service 50 to 4,999 kW	kW	0.101000
Large Use	kW	0.129700
Unmetered Scattered Load	kWh	0.000300
Sentinel Lighting	kW	0.081500
Street Lighting	kW	0.078800



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Current Rate Rider for Global Adjustment Sub-Account Disposition- Electricity Component

Rate Rider: GA Sub-Acct - Electricity
 Sunset Date: DD/MM/YYYY
 Metric Applied To: All Customers
 Method of Application: Distinct Volumetric

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



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Current Rate Rider for Global Adjustment Sub-Account Disposition - Delivery Component

Rate Rider: GA Sub-Acct - Delivery
 Sunset Date: April 30, 2011
DD/MM/YYYY
 Metric Applied To: All Customers
 Method of Application: Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	0.001800	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	0.001800	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer - 12 per year	0.656600	kW
Large Use	Yes	0.000000	Customer - 12 per year	0.789200	kW
Unmetered Scattered Load	No	0.000000	Connection -12 per year	0.000000	kWh
Sentinel Lighting	No	0.000000	Connection - 12 per year	0.000000	kW
Street Lighting	No	0.000000	Connection - 12 per year	0.000000	kW



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Current Rates and Charges General

Rate Class

Residential

Rate Description	Metric	Rate
Service Charge	\$	13.73
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(00.35)
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Volumetric Rate	\$/kWh	0.0003
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kWh	(0.00340)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kWh	(0.00040)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0058
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0047
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	18.14
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(00.46)
Distribution Volumetric Rate	\$/kWh	0.0048
Low Voltage Volumetric Rate	\$/kWh	0.0002
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kWh	(0.00330)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kWh	(0.00010)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

General Service 50 to 4,999 kW

Rate Description	Metric	Rate
Service Charge	\$	43.35
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(01.11)
Distribution Volumetric Rate	\$/kW	1.4368
Low Voltage Volumetric Rate	\$/kW	0.1010
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.20220)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.04040)
Retail Transmission Rate – Network Service Rate	\$/kW	2.1259
Retail Transmission Rate – Network Service Rate – Interval metered	\$/kW	2.3601
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.0000
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.6890
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.9015
Wholesale Market Service Rate	\$/kW	0.0000
Wholesale Market Service Rate	\$/kW	0.0052
Rural Rate Protection Charge	\$/kW	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Large Use

Rate Description	Metric	Rate
Service Charge	\$	3,660.48
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(93.55)
Distribution Volumetric Rate	\$/kW	0.0539
	\$/kW	
Low Voltage Volumetric Rate	\$/kW	0.1297
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.40360)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.00560)
Retail Transmission Rate – Network Service Rate	\$/kW	2.5001
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.1174
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per connection)	\$	9.08
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(00.23)
Distribution Volumetric Rate	\$/kWh	0.0052
Low Voltage Volumetric Rate	\$/kWh	0.0003
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kWh	(0.00010)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Sentinel Lighting

Rate Description	Metric	Rate
Service Charge (per connection)	\$	0.18
Distribution Volumetric Rate	\$/kW	0.9858
Low Voltage Volumetric Rate	\$/kW	0.0815
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.35670)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.02730)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6113
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3331
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Street Lighting

Rate Description	Metric	Rate
Service Charge (per connection)	\$	0.14
Distribution Volumetric Rate	\$/kW	0.5776
Low Voltage Volumetric Rate	\$/kW	0.0788
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.09700)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.01680)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6030
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3057
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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PILs Adjustment Worksheet

	2006		2008	2008	2009	2009	2010	2010	2011	2011	
				Adjustment		Adjustment		Adjustment		Adjustment	
From 2006 PIL's Model											
2006 Regulatory Taxable Income (K-Factor Cell H93)	450,137	A	450,137		450,137		450,137		450,137		
2006 Corporate Income Tax Rate (K-Factor Cell E85)	28.14%	B	25.52%		24.50%		21.50%		21.00%		
Corporate PILs/Income Tax Provision for Test Year	126,669	C = A * B	114,874		110,284		96,779		94,529		
Income Tax (crossed-up)	176,271	D = C / (1 - B)	154,234	-22,037	146,071	-8,163	123,286	-22,785	119,657	-3,629	2011 Amount to be adjusted
From 2006 EDR Model											
2006 EDR Base Revenue Requirement From Distribution Rates (K-Factor Cell E106)	2,944,497	E	2,944,497		2,944,497		2,944,497		2,944,497		
Grossed up taxes as a % of Revenue Requirement	6.000%	F = D / E	5.200%	-0.800%	5.000%	-0.200%	4.200%	-0.800%	4.100%	-0.100%	
											2011 Federal Tax Rate Adjustment Factor



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PILs Adjustment to Rates

Rate Rebalancing Adjustment	PILs Adjustment To Rates
Metric Applied To	All Customers
Method of Application	Both Uniform%
Uniform Service Charge Percent	Uniform Volumetric Charge Percent -0.100% kWh -0.100%

Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	13.730000	Yes	-0.100%	0.013730
General Service Less Than 50 kW	Customer - 12 per year	18.140000	Yes	-0.100%	0.018140
General Service 50 to 4,999 kW	Customer - 12 per year	43.350000	Yes	-0.100%	0.043350
Large Use	Customer - 12 per year	3660.480000	Yes	-0.100%	3.660480
Unmetered Scattered Load	Connection - 12 per year	9.080000	Yes	-0.100%	0.009080
Sentinel Lighting	Connection - 12 per year	0.180000	Yes	-0.100%	0.000180
Street Lighting	Connection - 12 per year	0.140000	Yes	-0.100%	0.000140

Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013900	Yes	-0.100%	0.000014
General Service Less Than 50 kW	kWh	0.004800	Yes	-0.100%	0.000005
General Service 50 to 4,999 kW	kWh	1.436800	Yes	-0.100%	0.001437
Large Use	kWh	0.053900	Yes	-0.100%	0.000054
Unmetered Scattered Load	kWh	0.005200	Yes	-0.100%	0.000005
Sentinel Lighting	kWh	0.985800	Yes	-0.100%	0.000986
Street Lighting	kWh	0.577600	Yes	-0.100%	0.000578



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Ontario Capital Tax Adjustment Worksheet

Ontario Capital Tax Adjustment

ONTARIO CAPITAL TAX

Section A

	PIL's Model Sheet "Test Year OCT, LCT"					
	2006 EDR	2009 IRM2	2010 IRM2	2011 IRM2		
Rate Base ("Test Year OCT, LCT"	E17	\$ 9,430,862	\$ 9,430,862	\$ 9,430,862	\$ 9,430,862	
Less: Exemption	E18	\$ 10,000,000	\$ 15,000,000	\$ 15,000,000	\$ 15,000,000	
Deemed Taxable Capital	E19	\$ -	\$ -	\$ -	\$ -	
OCT Rate	E21	0.300%	0.225%	0.150%	0.000%	
Net Amount (Taxable Capital x Rate)	E23	\$ -	\$ -	\$ -	\$ -	\$ -
Base Revenue Requirement (Sheet D1.1 K-factor Adjustment Wrksht")	E105	\$ 2,944,497	\$ 2,944,497	\$ 2,944,497	\$ 2,944,497	
	C = A/B	0.000%	0.000%	0.000%	0.000%	0.000%

Section B

	PIL's Model Sheet "Test Year OCT, LCT"					
	2006 EDR	2009 2IRM	2010 2IRM	2011 2IRM		
Taxable Capital	E114	\$ 7,364,747	\$ 7,364,747	\$ 7,364,747	\$ 7,364,747	
Capital Tax Calculation						
Deduction from taxable capital	E117	\$ 10,000,000	\$ 15,000,000	\$ 15,000,000	\$ 15,000,000	
Net Taxable Capital	E119	\$ -	\$ -	\$ -	\$ -	
Rate	E121	0.300%	0.225%	0.150%	0.000%	
Ontario Capital Tax (Deductible, not grossed-up)	E123	\$ -	\$ -	\$ -	\$ -	\$ -
Base Revenue Requirement (Sheet D1.1 K-factor Adjustment Wrksht")	E105	\$ 2,944,497	\$ 2,944,497	\$ 2,944,497	\$ 2,944,497	
		0.000%	0.000%	0.000%	0.000%	0.000%
Ontario Capital Tax (per sheet "Test Year PILs,Tax Provision")	D23					0.000%



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Ontario Capital Tax Adjustment To Rates

Rate Rebalancing Adjustment	OCT Adjustment to Rates		
Metric Applied To	All Customers		
Method of Application	Both Uniform%		
Uniform Service Charge Percent	0.000%	Uniform Volumetric Charge Percent	0.000% kWh 0.000% kW

Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	13.730000	Yes	0.000%	0.000000
General Service Less Than 50 kW	Customer - 12 per year	18.140000	Yes	0.000%	0.000000
General Service 50 to 4,999 kW	Customer - 12 per year	43.350000	Yes	0.000%	0.000000
Large Use	Customer - 12 per year	3660.480000	Yes	0.000%	0.000000
Unmetered Scattered Load	Connection - 12 per year	9.080000	Yes	0.000%	0.000000
Sentinel Lighting	Connection - 12 per year	0.180000	Yes	0.000%	0.000000
Street Lighting	Connection - 12 per year	0.140000	Yes	0.000%	0.000000

Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013900	Yes	0.000%	0.000000
General Service Less Than 50 kW	kWh	0.004800	Yes	0.000%	0.000000
General Service 50 to 4,999 kW	kWh	1.436800	Yes	0.000%	0.000000
Large Use	kWh	0.053900	Yes	0.000%	0.000000
Unmetered Scattered Load	kWh	0.005200	Yes	0.000%	0.000000
Sentinel Lighting	kWh	0.985800	Yes	0.000%	0.000000
Street Lighting	kWh	0.577600	Yes	0.000%	0.000000



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Rate Rebalanced Base Distribution Rates

Monthly Service Charge

Class	Metric	Base Rate	PILs Adjustment To Rates	OCT Adjustment to Rates	Rate ReBal Base
Residential	Customer - 12 per year	13.730000	-0.013730	0.000000	13.716270
General Service Less Than 50 kW	Customer - 12 per year	18.140000	-0.018140	0.000000	18.121860
General Service 50 to 4,999 kW	Customer - 12 per year	43.350000	-0.043350	0.000000	43.306650
Large Use	Customer - 12 per year	3,660.480000	-3.660480	0.000000	3,656.819520
Unmetered Scattered Load	Connection -12 per year	9.080000	-0.009080	0.000000	9.070920
Sentinel Lighting	Connection - 12 per year	0.180000	-0.000180	0.000000	0.179820
Street Lighting	Connection - 12 per year	0.140000	-0.000140	0.000000	0.139860

Volumetric Distribution Charge

Class	Metric	Base Rate	PILs Adjustment To Rates	OCT Adjustment to Rates	Rate ReBal Base
Residential	kWh	0.013900	-0.000014	0.000000	0.013886
General Service Less Than 50 kW	kWh	0.004800	-0.000005	0.000000	0.004795
General Service 50 to 4,999 kW	kWh	1.436800	-0.001437	0.000000	1.435363
Large Use	kWh	0.053900	-0.000054	0.000000	0.053846
Unmetered Scattered Load	kWh	0.005200	-0.000005	0.000000	0.005195
Sentinel Lighting	kWh	0.985800	-0.000986	0.000000	0.984814
Street Lighting	kWh	0.577600	-0.000578	0.000000	0.577022



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GDP-IPI Price Cap Adjustment Worksheet

Price Escalator (GDP-IPI)	Average annual expected Productivity Gain (X)	(GDP-IPI) - X
1.3%	1.0%	0.3%



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GDP-IPI Price Cap Adjustment to Rates

Price Cap Adjustment	GDP-IPI PCI Adjust to Rate		
Metric Applied To	All Customers		
Method of Application	Both Uniform%		
Uniform Service Charge Percent	0.300%	Uniform Volumetric Charge Percent	0.300% kWh 0.300% kW

Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer - 12 per year	13.716270	Yes	0.300%	0.041149
General Service Less Than 50 kW	Customer - 12 per year	18.121860	Yes	0.300%	0.054366
General Service 50 to 4,999 kW	Customer - 12 per year	43.308650	Yes	0.300%	0.129920
Large Use	Customer - 12 per year	3656.819520	Yes	0.300%	10.970459
Unmetered Scattered Load	Connection - 12 per year	9.070920	Yes	0.300%	0.027213
Sentinel Lighting	Connection - 12 per year	0.179820	Yes	0.300%	0.000539
Street Lighting	Connection - 12 per year	0.139860	Yes	0.300%	0.000420

Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.013886	Yes	0.300%	0.000042
General Service Less Than 50 kW	kWh	0.004795	Yes	0.300%	0.000014
General Service 50 to 4,999 kW	kWh	1.435363	Yes	0.300%	0.004306
Large Use	kWh	0.053846	Yes	0.300%	0.000162
Unmetered Scattered Load	kWh	0.005195	Yes	0.300%	0.000016
Sentinel Lighting	kW	0.984814	Yes	0.300%	0.002954
Street Lighting	kW	0.577022	Yes	0.300%	0.001731



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After Price Cap Base Distribution Rates

Monthly Service Charge

Class	Metric	Base Rate	GDP-IPI PCI Adjust to Rate	After Price Cape Base
Residential	Customer - 12 per year	13.716270	0.041149	13.757419
General Service Less Than 50 kW	Customer - 12 per year	18.121860	0.054366	18.176226
General Service 50 to 4,999 kW	Customer - 12 per year	43.306650	0.129920	43.436570
Large Use	Customer - 12 per year	3656.819520	10.970459	3667.789979
Unmetered Scattered Load	Connection -12 per year	9.070920	0.027213	9.098133
Sentinel Lighting	Connection - 12 per year	0.179820	0.000539	0.180359
Street Lighting	Connection - 12 per year	0.139860	0.000420	0.140280

Volumetric Distribution Charge

Class	Metric	Base Rate	GDP-IPI PCI Adjust to Rate	After Price Cape Base
Residential	kWh	0.013886	0.000042	0.013928
General Service Less Than 50 kW	kWh	0.004795	0.000014	0.004809
General Service 50 to 4,999 kW	kWh	1.435363	0.004306	1.439669
Large Use	kWh	0.053846	0.000162	0.054008
Unmetered Scattered Load	kWh	0.005195	0.000016	0.005211
Sentinel Lighting	kWh	0.984814	0.002954	0.987768
Street Lighting	kWh	0.577022	0.001731	0.578753



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Applied For Smart Meter Funding Adder

Rate Adder	Smart Meters
Tariff Sheet Disclosure	Yes
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.030000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	1.030000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	1.030000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	1.030000	Customer - 12 per year	0.000000	kW
Large Use	Yes	1.030000	Customer - 12 per year	0.000000	kW



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Deferral Variance Account Disposition (2010)

Rate Rider	Deferral Variance Account Disposition (2010)
Sunset Date	DDMM/YYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

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



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Deferral Variance Account Disposition (2011)

Rate Rider	Deferral Variance Account Disposition (2011)
Sunset Date	DDMM/YYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

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



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Regulatory Asset Recovery

Rate Rider	Regulatory Asset Recovery
Sunset Date	until next cost of service application <small>DD/MM/YYYY</small>
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

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



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Smart Meter Disposition 2

Rate Rider	Smart Meter Disposition 2
Sunset Date	until next cost of service application <small>DD/MM/YYYY</small>
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.230000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	1.230000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	1.230000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	1.230000	Customer - 12 per year	0.000000	kW
Large Use	Yes	1.230000	Customer - 12 per year	0.000000	kW



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Smart Meter Disposition 3

Rate Rider	Smart Meter Disposition 3
Sunset Date	effective until next cost of service application
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	0.770000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.770000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	0.770000	Customer - 12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	0.770000	Customer - 12 per year	0.000000	kW
Large Use	Yes	0.770000	Customer - 12 per year	0.000000	kW



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Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery

Rate Rider	Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery
Sunset Date	DDMMYYYY April 30, 2012
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	No	0.000000	Customer - 12 per year	0.001265	kWh
General Service Less Than 50 kW	No	0.000000	Customer - 12 per year	0.000339	kWh
General Service 50 to 4,999 kW	No	0.000000	Customer - 12 per year	0.000056	kW
Large Use	No	0.000000	Customer - 12 per year	0.000000	kW
Unmetered Scattered Load	No	0.000000	Connection - 12 per year	0.000000	kWh
Sentinel Lighting	No	0.000000	Connection - 12 per year	0.000000	kW
Street Lighting	No	0.000000	Connection - 12 per year	0.000000	kW



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Applied For Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	Shown on Tariff Sheet
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class		Applied for Low Voltage
Residential	kWh	0.000300
General Service Less Than 50 kW	kWh	0.000200
General Service 50 to 4,999 kW	kW	0.101000
Large Use	kW	0.129700
Unmetered Scattered Load	kWh	0.000300
Sentinel Lighting	kW	0.081500
Street Lighting	kW	0.078800



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Applied For Rate Rider for Global Adjustment Sub-Account Disposition- Electricity Component (2010)

Rate Rider: GA Sub-Acct - Electricity (2010)
 Sunset Date: DDMMYYYY
 Metric Applied To: All Customers
 Method of Application: Distinct Volumetric

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



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Applied For Rate Rider for Global Adjustment Sub-Account Disposition- Electricity Component (2011)

Rate Rider: GA Sub-Acct - Electricity (2011)
 Sunset Date:
 Metric Applied To: All Customers
 Method of Application: Distinct Volumetric

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



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Applied For Rate Rider for Global Adjustment Sub-Account Disposition - Delivery Component (2010)

Rate Rider: GA Sub-Acct - Delivery (2010)
 Sunset Date:
 Metric Applied To: All Customers
 Method of Application: Distinct Volumetric

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



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
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Applied For Rate Rider for Global Adjustment Sub-Account Disposition - Delivery Component (2011)

Rate Rider: GA Sub-Acct - Delivery (2011)
 Sunset Date: DDMMYY
 Metric Applied To: All Customers
 Method of Application: Distinct Volumetric

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



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Applied For TX Network General

Method of Application

Distinct Dollar

Rate Class	Applied to Class				
Residential	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.005800	0.000%	0.000300	0.006100

Rate Class	Applied to Class				
General Service Less Than 50 kW	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.005300	0.000%	0.000200	0.005500

Rate Class	Applied to Class				
General Service 50 to 4,999 kW	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	2.125900	0.000%	0.099200	2.225100
Retail Transmission Rate – Network Service Rate – Interval metered	\$/kW	2.360100	0.000%	0.099200	2.459300

Rate Class	Applied to Class				
Large Use	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	2.500100	0.000%	0.116600	2.616700

Rate Class	Applied to Class				
Unmetered Scattered Load	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.005300	0.000%	0.000200	0.005500

Rate Class	Applied to Class				
Sentinel Lighting	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	1.611300	0.000%	0.075200	1.686500

Rate Class	Applied to Class				
Street Lighting	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	1.603000	0.000%	0.074800	1.677800



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Applied For TX Connection General

Method of Application

Distinct Dollar

Rate Class	Applied to Class				
Residential	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.004700	0.000%	0.000200	0.004900

Rate Class	Applied to Class				
General Service Less Than 50 kW	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.004200	0.000%	0.000200	0.004400

Rate Class	Applied to Class				
General Service 50 to 4,999 kW	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.689000	0.000%	0.074100	1.763100
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.901500	0.000%	0.074100	1.975600

Rate Class	Applied to Class				
Large Use	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.117400	0.000%	0.092800	2.210200

Rate Class	Applied to Class				
Unmetered Scattered Load	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.004200	0.000%	0.000200	0.004400

Rate Class	Applied to Class				
Sentinel Lighting	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.333100	0.000%	0.058500	1.391600

Rate Class	Applied to Class				
Street Lighting	Yes				
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.305700	0.000%	0.057300	1.363000



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microFIT Generator

Rate Class

microFIT Generator

Rate Description
Service Charge

Fixed Metric	Rate
\$	5.25



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Applied For Monthly Rates and Charges

Rate Class

Residential

Rate Description	Metric	Rate
Service Charge	\$	13.76
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Volumetric Rate	\$/kWh	0.00030
Distribution Volumetric Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (S	\$/kWh	0.00127
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0049
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	18.18
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kWh	0.0048
Low Voltage Volumetric Rate	\$/kWh	0.00020
Distribution Volumetric Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (S	\$/kWh	0.00034
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0044
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

General Service 50 to 4,999 kW

Rate Description	Metric	Rate
Service Charge	\$	43.44
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kW	1.4397
Low Voltage Volumetric Rate	\$/kW	0.10100
Distribution Volumetric Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (S	\$/kW	0.00006
Retail Transmission Rate – Network Service Rate	\$/kW	2.2251
Retail Transmission Rate – Network Service Rate – Interval metered	\$/kW	2.4593
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.7631
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.9756
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Large Use

Rate Description	Metric	Rate
Service Charge	\$	3,667.79
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kW	0.0540
Low Voltage Volumetric Rate	\$/kW	0.12970
Retail Transmission Rate – Network Service Rate	\$/kW	2.6167
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.2102
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per connection)	\$	9.10
Distribution Volumetric Rate	\$/kWh	0.0052
Low Voltage Volumetric Rate	\$/kWh	0.00030
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0044
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

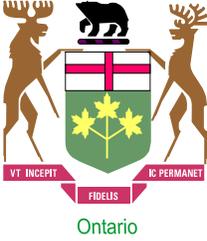
Sentinel Lighting

Rate Description	Metric	Rate
Service Charge (per connection)	\$	0.18
Distribution Volumetric Rate	\$/kW	0.9878
Low Voltage Volumetric Rate	\$/kW	0.08150
Retail Transmission Rate – Network Service Rate	\$/kW	1.6865
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3916
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Rate Class

Street Lighting

Rate Description	Metric	Rate
Service Charge (per connection)	\$	0.14
Distribution Volumetric Rate	\$/kW	0.5788
Low Voltage Volumetric Rate	\$/kW	0.07880
Retail Transmission Rate – Network Service Rate	\$/kW	1.6778
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3630
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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Current and Applied For Loss Factors

LOSS FACTORS

Current

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0608
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0501
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045



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Summary of Changes To General Service Charge and I

	Fixed (\$)	Volumetric \$/kWh
Residential		
Current Tariff Distribution Rates	13.73	0.0139
Current Base Distribution Rates	13.73	0.0139
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	-0.01	0.0000
Total Rate Rebalancing Adjustments	-0.01	0.0000
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	0.04	0.0000
Total Price Cap Adjustments	0.04	0.0000
Applied For Base Distribution Rates	13.76	0.0139
Applied For Tariff Distribution Rates	13.76	0.0139
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kWh
General Service Less Than 50 kW		
Current Tariff Rates	18.14	0.0048
Current Base Distribution Rates	18.14	0.00
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	-0.02	0.0000
Total Rate Rebalancing Adjustments	-0.02	0.0000
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	0.05	0.0000
Total Price Cap Adjustments	0.05	0.0000
Applied For Base Distribution Rates	18.18	0.0048
Applied For Tariff Distribution Rates	18.18	0.0048
	0.00	0.0000

	Fixed (\$)	Volumetric \$/kW
General Service 50 to 4,999 kW		
Current Tariff Rates	43.35	1.4368
Current Base Distribution Rates	43.35	1.44
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	-0.04	-0.0014
Total Rate Rebalancing Adjustments	-0.04	-0.0014
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	0.13	0.0043
Total Price Cap Adjustments	0.13	0.0043
Applied For Base Distribution Rates	43.44	1.4397
Applied For Tariff Distribution Rates	43.44	1.4397
	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kW
Large Use		
Current Tariff Rates	3,660.48	0.0539
Current Base Distribution Rates	3,660.48	0.05
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	-3.66	-0.0001
Total Rate Rebalancing Adjustments	-3.66	-0.0001
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	10.97	0.0002
Total Price Cap Adjustments	10.97	0.0002
Applied For Base Distribution Rates	3,667.79	0.0540
Applied For Tariff Distribution Rates	3,667.79	0.0540
	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kWh
Unmetered Scattered Load		
Current Tariff Rates	9.08	0.0052
Current Base Distribution Rates	9.08	0.01
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	-0.01	0.0000
Total Rate Rebalancing Adjustments	-0.01	0.0000
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	0.03	0.0000
Total Price Cap Adjustments	0.03	0.0000
Applied For Base Distribution Rates	9.10	0.0052
Applied For Tariff Distribution Rates	9.10	0.0052
	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kW
Sentinel Lighting		
Current Tariff Rates	0.18	0.9858
Current Base Distribution Rates	0.18	0.99
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	0.00	-0.0010
Total Rate Rebalancing Adjustments	0.00	-0.0010
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	0.00	0.0030
Total Price Cap Adjustments	0.00	0.0030
Applied For Base Distribution Rates	0.18	0.9848
Applied For Tariff Distribution Rates	0.18	0.9878
	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kW
Street Lighting		
Current Tariff Rates	0.14	0.5776
Current Base Distribution Rates	0.14	0.58
Rate Rebalancing Adjustments		
PILs Adjustment To Rates	0.00	-0.0006
Total Rate Rebalancing Adjustments	0.00	-0.0006
Price Cap Adjustments		
GDP-IPI PCI Adjust to Rate	0.00	0.0017
Total Price Cap Adjustments	0.00	0.0017
Applied For Base Distribution Rates	0.14	0.5788
Applied For Tariff Distribution Rates	0.14	0.5788



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Summary of Changes To Tariff Rate Add

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.26	0.0000
Total Current Tariff Rates Adders	1.26	0.0000

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Proposed Tariff Rates Adders		
Smart Meters	1.03	0.0000
Total Proposed Tariff Rates Adders	1.03	0.0000

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.26	0.0000
Total Current Tariff Rates Adders	1.26	0.0000

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$
Proposed Tariff Rates Adders		
Smart Meters	1.03	0.0000
Total Proposed Tariff Rates Adders	1.03	0.0000

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$
Current Tariff Rates Adders		
Smart Meters	1.26	0.0000
Total Current Tariff Rates Adders	1.26	0.0000

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$
Proposed Tariff Rates Adders		
Smart Meters	1.03	0.0000
Total Proposed Tariff Rates Adders	1.03	0.0000

	Fixed	Volumetric
Large Use	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.26	0.0000
Total Current Tariff Rates Adders	1.26	0.0000

	Fixed	Volumetric
Large Use	(\$)	0
Proposed Tariff Rates Adders		
Smart Meters	1.03	0.0000
Total Proposed Tariff Rates Adders	1.03	0.0000

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	\$/kWh
Current Tariff Rates Adders		
Total Current Tariff Rates Adders	0.00	0.0000

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	0
Proposed Tariff Rates Adders		
Total Proposed Tariff Rates Adders	0.00	0.0000

	Fixed	Volumetric
Sentinel Lighting	(\$)	0
Current Tariff Rates Adders		
Total Current Tariff Rates Adders	0.00	0.0000

	Fixed	Volumetric
Sentinel Lighting	(\$)	\$/kW
Proposed Tariff Rates Adders		
Total Proposed Tariff Rates Adders	0.00	0.0000

	Fixed	Volumetric
Street Lighting	(\$)	\$/kW
Current Tariff Rates Adders		
Total Current Tariff Rates Adders	0.00	0.0000

	Fixed	Volumetric
Street Lighting	(\$)	0
Proposed Tariff Rates Adders		
Total Proposed Tariff Rates Adders	0.00	0.0000



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Summary of Changes To Tariff Rate Riders

	Fixed (\$)	Volumetric \$/kWh
Residential		
Current Tariff Rates Riders		
Deferral Variance Account Disposition (2010)	0.00	-0.0034
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Tier 2 Recovery	-0.35	-0.0004
Total Current Tariff Rates Riders	1.65	-0.0038

	Fixed (\$)	Volumetric \$/kWh
Residential		
Proposed Tariff Rates Riders		
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery	0.00	0.0013
Total Proposed Tariff Rates Riders	2.00	0.0013

	Fixed (\$)	Volumetric \$/kWh
General Service Less Than 50 kW		
Current Tariff Rates Riders		
Deferral Variance Account Disposition (2010)	0.00	-0.0033
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Tier 2 Recovery	-0.46	-0.0001
Total Current Tariff Rates Riders	1.54	-0.0034

	Fixed (\$)	Volumetric \$
General Service Less Than 50 kW		
Proposed Tariff Rates Riders		
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery	0.00	0.0003
Total Proposed Tariff Rates Riders	2.00	0.0003

	Fixed (\$)	Volumetric \$
General Service 50 to 4,999 kW		
Current Tariff Rates Riders		
Deferral Variance Account Disposition (2010)	0.00	-1.2022
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Tier 2 Recovery	-1.11	-0.0404
Total Current Tariff Rates Riders	0.89	-1.2426

	Fixed (\$)	Volumetric \$
General Service 50 to 4,999 kW		
Proposed Tariff Rates Riders		
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery	0.00	0.0001
Total Proposed Tariff Rates Riders	2.00	0.0001

	Fixed	Volumetric
	(\$)	\$/kWh
Large Use		
Current Tariff Rates Riders		
Deferral Variance Account Disposition (2010)	0.00	-1.4036
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Tier 2 Recovery	-93.55	-0.0056
Total Current Tariff Rates Riders	-91.55	-1.4092

	Fixed	Volumetric
	(\$)	0
Large Use		
Proposed Tariff Rates Riders		
Smart Meter Disposition 2	1.23	0.0000
Smart Meter Disposition 3	0.77	0.0000
Total Proposed Tariff Rates Riders	2.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kWh
Unmetered Scattered Load		
Current Tariff Rates Riders		
Tier 2 Recovery	-0.23	-0.0001
Total Current Tariff Rates Riders	-0.23	-0.0001

	Fixed	Volumetric
	(\$)	0
Unmetered Scattered Load		
Proposed Tariff Rates Riders		
Total Proposed Tariff Rates Riders	0.00	0.0000

	Fixed	Volumetric
	(\$)	0
Sentinel Lighting		
Current Tariff Rates Riders		
Deferral Variance Account Disposition (2010)	0.00	-1.3567
Tier 2 Recovery	0.00	-0.0273
Total Current Tariff Rates Riders	0.00	-1.3840

	Fixed	Volumetric
	(\$)	\$/kW
Sentinel Lighting		
Proposed Tariff Rates Riders		
Total Proposed Tariff Rates Riders	0.00	0.0000

	Fixed	Volumetric
	(\$)	\$/kW
Street Lighting		
Current Tariff Rates Riders		
Deferral Variance Account Disposition (2010)	0.00	-1.0970
Tier 2 Recovery	0.00	-0.0168
Total Current Tariff Rates Riders	0.00	-1.1138

	Fixed	Volumetric
	(\$)	0
Street Lighting		
Proposed Tariff Rates Riders		
Total Proposed Tariff Rates Riders	0.00	0.0000



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Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

Street Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	0.14	0.14
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	0.5776	0.5788
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.0788	0.0788
Distribution Volumetric Rate Rider(s)	\$/kW	- 1.1138	-
Retail Transmission Rate – Network Service Rate	\$/kW	1.6030	1.6778
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3057	1.3630
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	37 kWh	0.10 kW
RPP Tier One	750 kWh	Load Factor 50.7%

Loss Factor 1.0608

Street Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	40	0.0650	2.60	40	0.0650	2.60	0.00	0.0%	58.82%
Energy Second Tier (kWh)	0	0.0750	0.00	0	0.0750	0.00	0.00	0.0%	0.00%
Sub-Total: Energy			2.60			2.60	0.00	0.0%	58.82%
Service Charge	1	0.14	0.14	1	0.14	0.14	0.00	0.0%	3.17%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	0.10	0.5776	0.06	0.10	0.5788	0.06	0.00	0.0%	1.36%
Distribution Volumetric Rate Adder(s)	0.10	0.0000	0.00	0.10	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.10	0.0788	0.01	0.10	0.0788	0.01	0.00	0.0%	0.23%
Distribution Volumetric Rate Rider(s)	0.10	-1.1138	-0.11	0.10	0.0000	0.00	0.11	(100.0)%	0.00%
Total: Distribution			0.10			0.21	0.11	110.0%	4.75%
Retail Transmission Rate – Network Service Rate	0.10	1.6030	0.16	0.10	1.6778	0.17	0.01	6.3%	3.85%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.10	1.3057	0.13	0.10	1.3630	0.14	0.01	7.7%	3.17%
Total: Retail Transmission			0.29			0.31	0.02	6.9%	7.01%
Sub-Total: Delivery (Distribution and Retail Transmission)			0.39			0.52	0.13	33.3%	11.76%
Wholesale Market Service Rate	40	0.0052	0.21	40	0.0052	0.21	0.00	0.0%	4.75%
Rural Rate Protection Charge	40	0.0013	0.05	40	0.0013	0.05	0.00	0.0%	1.13%
Special Purpose Charge	40	0.0004	0.02	40	0.0004	0.02	0.00	0.0%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	5.66%
Sub-Total: Regulatory			0.53			0.53	0.00	0.0%	11.99%
Debt Retirement Charge (DRC)	37	0.00700	0.26	37	0.00700	0.26	0.00	0.0%	5.88%
Total Bill before Taxes			3.78			3.91	0.13	3.4%	88.46%
HST	3.78	13%	0.49	3.91	13%	0.51	0.02	4.1%	11.54%
Total Bill			4.27			4.42	0.15	3.5%	100.00%

Rate Class Threshold Test

Street Lighting

kWh	37	73	110	146	183
Loss Factor Adjusted kWh	40	78	117	155	195
kW	0.10	0.20	0.30	0.40	0.50
Load Factor	50.7%	50.0%	50.3%	50.0%	50.2%

Energy

Applied For Bill	\$ 2.60	\$ 5.07	\$ 7.60	\$ 10.07	\$ 12.67
Current Bill	\$ 2.60	\$ 5.07	\$ 7.60	\$ 10.07	\$ 12.67
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	58.8%	61.8%	63.0%	63.5%	64.0%

Distribution

Applied For Bill	\$ 0.21	\$ 0.28	\$ 0.33	\$ 0.40	\$ 0.47
Current Bill	\$ 0.10	\$ 0.06	\$ -	\$ 0.05	\$ 0.09
\$ Impact	\$ 0.11	\$ 0.22	\$ 0.33	\$ 0.45	\$ 0.56
% Impact	110.0%	366.7%	0.0%	-900.0%	-622.2%
% of Total Bill	4.8%	3.4%	2.7%	2.5%	2.4%

Retail Transmission

Applied For Bill	\$ 0.31	\$ 0.61	\$ 0.91	\$ 1.22	\$ 1.52
Current Bill	\$ 0.29	\$ 0.58	\$ 0.87	\$ 1.16	\$ 1.45
\$ Impact	\$ 0.02	\$ 0.03	\$ 0.04	\$ 0.06	\$ 0.07
% Impact	6.9%	5.2%	4.6%	5.2%	4.8%
% of Total Bill	7.0%	7.4%	7.5%	7.7%	7.7%

Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 0.52	\$ 0.89	\$ 1.24	\$ 1.62	\$ 1.99
Current Bill	\$ 0.39	\$ 0.64	\$ 0.87	\$ 1.11	\$ 1.36
\$ Impact	\$ 0.13	\$ 0.25	\$ 0.37	\$ 0.51	\$ 0.63
% Impact	33.3%	39.1%	42.5%	45.9%	46.3%
% of Total Bill	11.8%	10.9%	10.3%	10.2%	10.0%

Regulatory

Applied For Bill	\$ 0.53	\$ 0.79	\$ 1.06	\$ 1.32	\$ 1.59
Current Bill	\$ 0.53	\$ 0.79	\$ 1.06	\$ 1.32	\$ 1.59
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	12.0%	9.6%	8.8%	8.3%	8.0%

Debt Retirement Charge

Applied For Bill	\$ 0.26	\$ 0.51	\$ 0.77	\$ 1.02	\$ 1.28
Current Bill	\$ 0.26	\$ 0.51	\$ 0.77	\$ 1.02	\$ 1.28
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.9%	6.2%	6.4%	6.4%	6.5%

GST

Applied For Bill	\$ 0.51	\$ 0.94	\$ 1.39	\$ 1.82	\$ 2.28
Current Bill	\$ 0.49	\$ 0.91	\$ 1.34	\$ 1.76	\$ 2.20
\$ Impact	\$ 0.02	\$ 0.03	\$ 0.05	\$ 0.06	\$ 0.08
% Impact	4.1%	3.3%	3.7%	3.4%	3.6%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

Total Bill

Applied For Bill	\$ 4.42	\$ 8.20	\$ 12.06	\$ 15.85	\$ 19.81
Current Bill	\$ 4.27	\$ 7.92	\$ 11.64	\$ 15.28	\$ 19.10
\$ Impact	\$ 0.15	\$ 0.28	\$ 0.42	\$ 0.57	\$ 0.71
% Impact	3.5%	3.5%	3.6%	3.7%	3.7%



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Current and Applied For Allowances

Allowances

	Metric	Current
Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)



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Current and Applied For Retail Service Charges

	Metric	Current
Retail Service Charges (if applicable)		
Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity		
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

Bill Impacts

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Residential

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	13.73	13.76
Service Charge Rate Adder(s)	\$	1.26	1.03
Service Charge Rate Rider(s)	\$	1.65	2.00
Distribution Volumetric Rate	\$/kWh	0.0139	0.0139
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0003	0.0003
Distribution Volumetric Rate Rider(s)	\$/kWh	- 0.0038	0.0013
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0058	0.0061
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0047	0.0049
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	800 kWh	- kW
RPP Tier One	600 kWh	Load Factor

Loss Factor 1.0608

Residential	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	0.0650	39.00	600	0.0650	39.00	0.00	0.0%	31.98%
Energy Second Tier (kWh)	249	0.0750	18.68	249	0.0750	18.68	0.00	0.0%	15.32%
Sub-Total: Energy			57.68			57.68	0.00	0.0%	47.30%
Service Charge	1	13.73	13.73	1	13.76	13.76	0.03	0.2%	11.28%
Service Charge Rate Adder(s)	1	1.26	1.26	1	1.03	1.03	-0.23	(18.3)%	0.84%
Service Charge Rate Rider(s)	1	1.65	1.65	1	2.00	2.00	0.35	21.2%	1.64%
Distribution Volumetric Rate	800	0.0139	11.12	800	0.0139	11.12	0.00	0.0%	9.12%
Distribution Volumetric Rate Adder(s)	800	0.0000	0.00	800	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	800	0.0003	0.24	800	0.0003	0.24	0.00	0.0%	0.20%
Distribution Volumetric Rate Rider(s)	800	-0.0038	-3.04	800	0.0013	1.04	4.08	(134.2)%	0.85%
Total: Distribution			24.96			29.19	4.23	16.9%	23.94%
Retail Transmission Rate – Network Service Rate	849	0.0058	4.92	849	0.0061	5.18	0.26	5.3%	4.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	849	0.0047	3.99	849	0.0049	4.16	0.17	4.3%	3.41%
Total: Retail Transmission			8.91			9.34	0.43	4.8%	7.66%
Sub-Total: Delivery (Distribution and Retail Transmission)			33.87			38.53	4.66	13.8%	31.60%
Wholesale Market Service Rate	849	0.0052	4.41	849	0.0052	4.41	0.00	0.0%	3.62%
Rural Rate Protection Charge	849	0.0013	1.10	849	0.0013	1.10	0.00	0.0%	0.90%
Special Purpose Charge	849	0.0004	0.34	849	0.0004	0.34	0.00	0.0%	0.28%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.21%
Sub-Total: Regulatory			6.10			6.10	0.00	0.0%	5.00%
Debt Retirement Charge (DRC)	800	0.00700	5.60	800	0.00700	5.60	0.00	0.0%	4.59%
Total Bill before Taxes			103.25			107.91	4.66	4.5%	88.49%
HST	103.25	13%	13.42	107.91	13%	14.03	0.61	4.5%	11.51%
Total Bill			116.67			121.94	5.27	4.5%	100.00%

Rate Class Threshold Test

Residential

	kWh	250	600	800	1,400	2,250
Loss Factor Adjusted kWh		266	637	849	1,486	2,387

kW
Load Factor

Energy

Applied For Bill	\$ 17.29	\$ 41.78	\$ 57.68	\$ 105.45	\$ 173.03
Current Bill	\$ 17.29	\$ 41.78	\$ 57.68	\$ 105.45	\$ 173.03
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	34.2%	44.2%	47.3%	51.7%	54.0%

Distribution

Applied For Bill	\$ 20.66	\$ 26.07	\$ 29.16	\$ 38.44	\$ 51.59
Current Bill	\$ 19.24	\$ 22.88	\$ 24.96	\$ 31.20	\$ 40.04
\$ Impact	\$ 1.42	\$ 3.19	\$ 4.20	\$ 7.24	\$ 11.55
% Impact	7.4%	13.9%	16.8%	23.2%	28.8%
% of Total Bill	40.9%	27.6%	23.9%	18.8%	16.1%

Retail Transmission

Applied For Bill	\$ 2.92	\$ 7.01	\$ 9.34	\$ 16.34	\$ 26.26
Current Bill	\$ 2.79	\$ 6.68	\$ 8.91	\$ 15.60	\$ 25.06
\$ Impact	\$ 0.13	\$ 0.33	\$ 0.43	\$ 0.74	\$ 1.20
% Impact	4.7%	4.9%	4.8%	4.7%	4.8%
% of Total Bill	5.8%	7.4%	7.7%	8.0%	8.2%

Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 23.58	\$ 33.08	\$ 38.50	\$ 54.78	\$ 77.85
Current Bill	\$ 22.03	\$ 29.56	\$ 33.87	\$ 46.80	\$ 65.10
\$ Impact	\$ 1.55	\$ 3.52	\$ 4.63	\$ 7.98	\$ 12.75
% Impact	7.0%	11.9%	13.7%	17.1%	19.6%
% of Total Bill	46.7%	35.0%	31.6%	26.9%	24.3%

Regulatory

Applied For Bill	\$ 2.09	\$ 4.64	\$ 6.10	\$ 10.50	\$ 16.71
Current Bill	\$ 2.09	\$ 4.64	\$ 6.10	\$ 10.50	\$ 16.71
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.1%	4.9%	5.0%	5.1%	5.2%

Debt Retirement Charge

Applied For Bill	\$ 1.75	\$ 4.20	\$ 5.60	\$ 9.80	\$ 15.75
Current Bill	\$ 1.75	\$ 4.20	\$ 5.60	\$ 9.80	\$ 15.75
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.5%	4.4%	4.6%	4.8%	4.9%

GST

Applied For Bill	\$ 5.81	\$ 10.88	\$ 14.02	\$ 23.47	\$ 36.83
Current Bill	\$ 5.61	\$ 10.42	\$ 13.42	\$ 22.43	\$ 35.18
\$ Impact	\$ 0.20	\$ 0.46	\$ 0.60	\$ 1.04	\$ 1.65
% Impact	3.6%	4.4%	4.5%	4.6%	4.7%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

Total Bill

Applied For Bill	\$ 50.52	\$ 94.58	\$ 121.90	\$ 204.00	\$ 320.17
Current Bill	\$ 48.77	\$ 90.60	\$ 116.67	\$ 194.98	\$ 305.77
\$ Impact	\$ 1.75	\$ 3.98	\$ 5.23	\$ 9.02	\$ 14.40
% Impact	3.6%	4.4%	4.5%	4.6%	4.7%

Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Effective Date: May 1, 2011
 Version : 1.9

General Service Less Than 50 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	18.14	18.18
Service Charge Rate Adder(s)	\$	1.26	1.03
Service Charge Rate Rider(s)	\$	1.54	2.00
Distribution Volumetric Rate	\$/kWh	0.0048	0.0048
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0002	0.0002
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0034	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0053	0.0055
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042	0.0044
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	2,000 kWh	- kW
RPP Tier One	750 kWh	Load Factor

Loss Factor 1.0608

General Service Less Than 50 kW	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	18.49%
Energy Second Tier (kWh)	1,372	0.0750	102.90	1,372	0.0750	102.90	0.00	0.0%	39.02%
Sub-Total: Energy			151.65			151.65	0.00	0.0%	57.51%
Service Charge	1	18.14	18.14	1	18.18	18.18	0.04	0.2%	6.89%
Service Charge Rate Adder(s)	1	1.26	1.26	1	1.03	1.03	-0.23	(18.3)%	0.39%
Service Charge Rate Rider(s)	1	1.54	1.54	1	2.00	2.00	0.46	29.9%	0.76%
Distribution Volumetric Rate	2,000	0.0048	9.60	2,000	0.0048	9.60	0.00	0.0%	3.64%
Distribution Volumetric Rate Adder(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.0%	0.15%
Distribution Volumetric Rate Rider(s)	2,000	-0.0034	-6.80	2,000	0.0003	0.60	7.40	(108.8)%	0.23%
Total: Distribution			24.14			31.81	7.67	31.8%	12.06%
Retail Transmission Rate – Network Service Rate	2,122	0.0053	11.25	2,122	0.0055	11.67	0.42	3.7%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,122	0.0042	8.91	2,122	0.0044	9.34	0.43	4.8%	3.54%
Total: Retail Transmission			20.16			21.01	0.85	4.2%	7.97%
Sub-Total: Delivery (Distribution and Retail Transmission)			44.30			52.82	8.52	19.2%	20.03%
Wholesale Market Service Rate	2,122	0.0052	11.03	2,122	0.0052	11.03	0.00	0.0%	4.18%
Rural Rate Protection Charge	2,122	0.0013	2.76	2,122	0.0013	2.76	0.00	0.0%	1.05%
Special Purpose Charge	2,122	0.0004	0.85	2,122	0.0004	0.85	0.00	0.0%	0.32%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.09%
Sub-Total: Regulatory			14.89			14.89	0.00	0.0%	5.65%
Debt Retirement Charge (DRC)	2,000	0.00700	14.00	2,000	0.00700	14.00	0.00	0.0%	5.31%
Total Bill before Taxes			224.84			233.36	8.52	3.8%	88.49%
HST	224.84	13%	29.23	233.36	13%	30.34	1.11	3.8%	11.51%
Total Bill			254.07			263.70	9.63	3.8%	100.00%

Rate Class Threshold Test

General Service Less Than 50 kW

	kWh	1,000	2,000	7,500	15,000	20,000
Loss Factor Adjusted kWh	kW	1,061	2,122	7,956	15,912	21,216
	Load Factor					
Energy	Applied For Bill	\$ 72.08	\$ 151.65	\$ 589.20	\$ 1,185.90	\$ 1,583.70
	Current Bill	\$ 72.08	\$ 151.65	\$ 589.20	\$ 1,185.90	\$ 1,583.70
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	51.6%	57.5%	62.3%	63.2%	63.5%
Distribution	Applied For Bill	\$ 26.55	\$ 31.89	\$ 61.26	\$ 101.30	\$ 128.00
	Current Bill	\$ 22.54	\$ 24.14	\$ 32.94	\$ 44.94	\$ 52.94
	\$ Impact	\$ 4.01	\$ 7.75	\$ 28.32	\$ 56.36	\$ 75.06
	% Impact	17.8%	32.1%	86.0%	125.4%	141.8%
	% of Total Bill	19.0%	12.1%	6.5%	5.4%	5.1%
Retail Transmission	Applied For Bill	\$ 10.51	\$ 21.01	\$ 78.77	\$ 157.53	\$ 210.04
	Current Bill	\$ 10.08	\$ 20.16	\$ 75.59	\$ 151.16	\$ 201.55
	\$ Impact	\$ 0.43	\$ 0.85	\$ 3.18	\$ 6.37	\$ 8.49
	% Impact	4.3%	4.2%	4.2%	4.2%	4.2%
	% of Total Bill	7.5%	8.0%	8.3%	8.4%	8.4%
Delivery (Distribution and Retail Transmission)	Applied For Bill	\$ 37.06	\$ 52.90	\$ 140.03	\$ 258.83	\$ 338.04
	Current Bill	\$ 32.62	\$ 44.30	\$ 108.53	\$ 196.10	\$ 254.49
	\$ Impact	\$ 4.44	\$ 8.60	\$ 31.50	\$ 62.73	\$ 83.55
	% Impact	13.6%	19.4%	29.0%	32.0%	32.8%
	% of Total Bill	26.5%	20.1%	14.8%	13.8%	13.5%
Regulatory	Applied For Bill	\$ 7.57	\$ 14.89	\$ 55.14	\$ 110.04	\$ 146.64
	Current Bill	\$ 7.57	\$ 14.89	\$ 55.14	\$ 110.04	\$ 146.64
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	5.4%	5.6%	5.8%	5.9%	5.9%
Debt Retirement Charge	Applied For Bill	\$ 7.00	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
	Current Bill	\$ 7.00	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	5.0%	5.3%	5.6%	5.6%	5.6%
GST	Applied For Bill	\$ 16.08	\$ 30.35	\$ 108.79	\$ 215.77	\$ 287.09
	Current Bill	\$ 15.51	\$ 29.23	\$ 104.70	\$ 207.62	\$ 276.23
	\$ Impact	\$ 0.57	\$ 1.12	\$ 4.09	\$ 8.15	\$ 10.86
	% Impact	3.7%	3.8%	3.9%	3.9%	3.9%
	% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%
Total Bill	Applied For Bill	\$ 139.79	\$ 263.79	\$ 945.66	\$ 1,875.54	\$ 2,495.47
	Current Bill	\$ 134.78	\$ 254.07	\$ 910.07	\$ 1,804.66	\$ 2,401.06
	\$ Impact	\$ 5.01	\$ 9.72	\$ 35.59	\$ 70.88	\$ 94.41
	% Impact	3.7%	3.8%	3.9%	3.9%	3.9%

Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Effective Date: May 1, 2011
 Version : 1.9

General Service 50 to 4,999 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	43.35	43.44
Service Charge Rate Adder(s)	\$	1.26	1.03
Service Charge Rate Rider(s)	\$	0.89	2.00
Distribution Volumetric Rate	\$/kW	1.4368	1.4397
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.1010	0.1010
Distribution Volumetric Rate Rider(s)	\$/kW	- 1.2426	0.0001
Retail Transmission Rate – Network Service Rate	\$/kW	2.1259	2.2251
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6890	1.7631
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	995,000	kWh	2,480	kW
RPP Tier One	750	kWh	Load Factor	55.0%

Loss Factor 1.0608

General Service 50 to 4,999 kW	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	0.04%
Energy Second Tier (kWh)	1,054,746	0.0750	79,105.95	1,054,746	0.0750	79,105.95	0.00	0.0%	65.33%
Sub-Total: Energy			79,154.70			79,154.70	0.00	0.0%	65.37%
Service Charge	1	43.35	43.35	1	43.44	43.44	0.09	0.2%	0.04%
Service Charge Rate Adder(s)	1	1.26	1.26	1	1.03	1.03	-0.23	(18.3)%	0.00%
Service Charge Rate Rider(s)	1	0.89	0.89	1	2.00	2.00	1.11	124.7%	0.00%
Distribution Volumetric Rate	2,480	1.4368	3,563.26	2,480	1.4397	3,570.46	7.20	0.2%	2.95%
Distribution Volumetric Rate Adder(s)	2,480	0.0000	0.00	2,480	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	2,480	0.1010	250.48	2,480	0.1010	250.48	0.00	0.0%	0.21%
Distribution Volumetric Rate Rider(s)	2,480	-1.2426	-3,081.65	2,480	0.0001	0.25	3,081.90	(100.0)%	0.00%
Total: Distribution			777.59			3,867.66	3,090.07	397.4%	3.19%
Retail Transmission Rate – Network Service Rate	2,480	2.1259	5,272.23	2,480	2.2251	5,518.25	246.02	4.7%	4.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,480	1.6890	4,188.72	2,480	1.7631	4,372.49	183.77	4.4%	3.61%
Total: Retail Transmission			9,460.95			9,890.74	429.79	4.5%	8.17%
Sub-Total: Delivery (Distribution and Retail Transmission)			10,238.54			13,758.40	3,519.86	34.4%	11.36%
Wholesale Market Service Rate	1,055,496	0.0052	5,488.58	1,055,496	0.0052	5,488.58	0.00	0.0%	4.53%
Rural Rate Protection Charge	1,055,496	0.0013	1,372.14	1,055,496	0.0013	1,372.14	0.00	0.0%	1.13%
Special Purpose Charge	1,055,496	0.0004	422.20	1,055,496	0.0004	422.20	0.00	0.0%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.00%
Sub-Total: Regulatory			7,283.17			7,283.17	0.00	0.0%	6.01%
Debt Retirement Charge (DRC)	995,000	0.00700	6,965.00	995,000	0.00700	6,965.00	0.00	0.0%	5.75%
Total Bill before Taxes			103,641.41			107,161.27	3,519.86	3.4%	88.50%
HST	103,641.41	13%	13,473.38	107,161.27	13%	13,930.97	457.59	3.4%	11.50%
Total Bill			117,114.79			121,092.24	3,977.45	3.4%	100.00%

Rate Class Threshold Test

General Service 50 to 4,999 kW

	kWh	20,000	510,000	995,000	1,501,000	2,006,000
Loss Factor Adjusted kWh		21,216	541,008	1,055,496	1,592,261	2,127,965
	kW	50	1,270	2,480	3,740	5,000
Load Factor		54.8%	55.0%	55.0%	55.0%	55.0%
Energy	Applied For Bill	\$ 1,583.70	\$ 40,568.10	\$ 79,154.70	\$ 119,412.08	\$ 159,589.88
	Current Bill	\$ 1,583.70	\$ 40,568.10	\$ 79,154.70	\$ 119,412.08	\$ 159,589.88
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	64.0%	65.3%	65.4%	65.4%	65.4%
Distribution	Applied For Bill	\$ 123.51	\$ 2,003.23	\$ 3,867.55	\$ 5,808.90	\$ 7,750.25
	Current Bill	\$ 60.26	\$ 420.41	\$ 777.59	\$ 1,149.55	\$ 1,521.50
	\$ Impact	\$ 63.25	\$ 1,582.82	\$ 3,089.96	\$ 4,659.35	\$ 6,228.75
	% Impact	105.0%	376.5%	397.4%	405.3%	409.4%
	% of Total Bill	5.0%	3.2%	3.2%	3.2%	3.2%
Retail Transmission	Applied For Bill	\$ 199.42	\$ 5,065.02	\$ 9,890.74	\$ 14,915.86	\$ 19,941.00
	Current Bill	\$ 190.75	\$ 4,844.92	\$ 9,460.95	\$ 14,267.73	\$ 19,074.50
	\$ Impact	\$ 8.67	\$ 220.10	\$ 429.79	\$ 648.13	\$ 866.50
	% Impact	4.5%	4.5%	4.5%	4.5%	4.5%
	% of Total Bill	8.1%	8.2%	8.2%	8.2%	8.2%
Delivery (Distribution and Retail Transmission)	Applied For Bill	\$ 320.93	\$ 7,066.25	\$ 13,756.29	\$ 20,722.76	\$ 27,689.25
	Current Bill	\$ 250.12	\$ 5,264.44	\$ 10,237.65	\$ 15,416.39	\$ 20,595.11
	\$ Impact	\$ 70.81	\$ 1,801.81	\$ 3,518.64	\$ 5,306.37	\$ 7,094.14
	% Impact	28.3%	34.2%	34.4%	34.4%	34.4%
	% of Total Bill	13.0%	11.4%	11.4%	11.3%	11.3%
Regulatory	Applied For Bill	\$ 146.64	\$ 3,733.20	\$ 7,283.17	\$ 10,986.85	\$ 14,683.21
	Current Bill	\$ 146.64	\$ 3,733.20	\$ 7,283.17	\$ 10,986.85	\$ 14,683.21
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	5.9%	6.0%	6.0%	6.0%	6.0%
Debt Retirement Charge	Applied For Bill	\$ 140.00	\$ 3,570.00	\$ 6,965.00	\$ 10,507.00	\$ 14,042.00
	Current Bill	\$ 140.00	\$ 3,570.00	\$ 6,965.00	\$ 10,507.00	\$ 14,042.00
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	5.7%	5.8%	5.8%	5.8%	5.8%
GST	Applied For Bill	\$ 284.87	\$ 7,141.88	\$ 13,930.69	\$ 21,011.73	\$ 28,080.56
	Current Bill	\$ 275.66	\$ 6,907.65	\$ 13,473.27	\$ 20,321.90	\$ 27,158.33
	\$ Impact	\$ 9.21	\$ 234.23	\$ 457.42	\$ 689.83	\$ 922.23
	% Impact	3.3%	3.4%	3.4%	3.4%	3.4%
	% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%
Total Bill	Applied For Bill	\$ 2,476.14	\$ 62,079.43	\$ 121,089.85	\$ 182,640.42	\$ 244,084.90
	Current Bill	\$ 2,396.12	\$ 60,043.39	\$ 117,113.79	\$ 176,644.22	\$ 236,068.53
	\$ Impact	\$ 80.02	\$ 2,036.04	\$ 3,976.06	\$ 5,996.20	\$ 8,016.37
	% Impact	3.3%	3.4%	3.4%	3.4%	3.4%

Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
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Large Use

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	3,660.48	3,667.79
Service Charge Rate Adder(s)	\$	1.26	1.03
Service Charge Rate Rider(s)	\$	- 91.55	2.00
Distribution Volumetric Rate	\$/kW	0.0539	0.0540
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.1297	0.1297
Distribution Volumetric Rate Rider(s)	\$/kW	- 1.4092	-
Retail Transmission Rate – Network Service Rate	\$/kW	2.5001	2.6167
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.1174	2.2102
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	13,000,000	kWh	25,000	kW
RPP Tier One	750	kWh	Load Factor	71.3%

Loss Factor 1.0501

Large Use	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	0.00%
Energy Second Tier (kWh)	13,650,550	0.0750	1,023,791.25	13,650,550	0.0750	1,023,791.25	0.00	0.0%	67.72%
Sub-Total: Energy			1,023,840.00			1,023,840.00	0.00	0.0%	67.72%
Service Charge	1	3,660.48	3,660.48	1	3,667.79	3,667.79	7.31	0.2%	0.24%
Service Charge Rate Adder(s)	1	1.26	1.26	1	1.03	1.03	-0.23	(18.3)%	0.00%
Service Charge Rate Rider(s)	1	-91.55	-91.55	1	2.00	2.00	93.55	(102.2)%	0.00%
Distribution Volumetric Rate	25,000	0.0539	1,347.50	25,000	0.0540	1,350.00	2.50	0.2%	0.09%
Distribution Volumetric Rate Adder(s)	25,000	0.0000	0.00	25,000	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	25,000	0.1297	3,242.50	25,000	0.1297	3,242.50	0.00	0.0%	0.21%
Distribution Volumetric Rate Rider(s)	25,000	-1.4092	-35,230.00	25,000	0.0000	0.00	35,230.00	(100.0)%	0.00%
Total: Distribution			-27,069.81			8,263.32	35,333.13	(130.5)%	0.55%
Retail Transmission Rate – Network Service Rate	25,000	2.5001	62,502.50	25,000	2.6167	65,417.50	2,915.00	4.7%	4.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	25,000	2.1174	52,935.00	25,000	2.2102	55,255.00	2,320.00	4.4%	3.65%
Total: Retail Transmission			115,437.50			120,672.50	5,235.00	4.5%	7.98%
Sub-Total: Delivery (Distribution and Retail Transmission)			88,367.69			128,935.82	40,568.13	45.9%	8.53%
Wholesale Market Service Rate	13,651,300	0.0052	70,986.76	13,651,300	0.0052	70,986.76	0.00	0.0%	4.70%
Rural Rate Protection Charge	13,651,300	0.0013	17,746.69	13,651,300	0.0013	17,746.69	0.00	0.0%	1.17%
Special Purpose Charge	13,651,300	0.0004	5,460.52	13,651,300	0.0004	5,460.52	0.00	0.0%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.00%
Sub-Total: Regulatory			94,194.22			94,194.22	0.00	0.0%	6.23%
Debt Retirement Charge (DRC)	13,000,000	0.00700	91,000.00	13,000,000	0.00700	91,000.00	0.00	0.0%	6.02%
Total Bill before Taxes			1,297,401.91			1,337,970.04	40,568.13	3.1%	88.50%
HST	1,297,401.91	13%	168,662.25	1,337,970.04	13%	173,936.11	5,273.86	3.1%	11.50%
Total Bill			1,466,064.16			1,511,906.15	45,841.99	3.1%	100.00%

Rate Class Threshold Test

Large Use

	kWh	2,600,000	5,000,000	13,000,000	20,000,000	26,000,000
Loss Factor Adjusted kWh	kWh	2,730,260	5,250,500	13,651,300	21,002,000	27,302,600
	kW	5,000	10,000	25,000	40,000	50,000
	Load Factor	71.3%	68.5%	71.3%	68.5%	71.3%
Energy	Applied For Bill	\$ 204,762.01	\$ 393,780.02	\$ 1,023,840.04	\$ 1,575,142.56	\$ 2,047,687.58
	Current Bill	\$ 204,762.01	\$ 393,780.02	\$ 1,023,840.04	\$ 1,575,142.56	\$ 2,047,687.58
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	67.0%	67.2%	67.7%	67.5%	67.8%
Distribution	Applied For Bill	\$ 4,589.32	\$ 5,507.82	\$ 8,263.32	\$ 11,018.82	\$ 12,855.82
	Current Bill	\$ 2,557.81	\$ 8,685.81	\$ 27,069.81	\$ 45,453.81	\$ 57,709.81
	\$ Impact	\$ 7,147.13	\$ 14,193.63	\$ 35,333.13	\$ 56,472.63	\$ 70,565.63
	% Impact	-279.4%	-163.4%	-130.5%	-124.2%	-122.3%
	% of Total Bill	1.5%	0.9%	0.5%	0.5%	0.4%
Retail Transmission	Applied For Bill	\$ 24,134.50	\$ 48,269.00	\$ 120,672.50	\$ 193,076.00	\$ 241,345.00
	Current Bill	\$ 23,087.50	\$ 46,175.00	\$ 115,437.50	\$ 184,700.00	\$ 230,874.99
	\$ Impact	\$ 1,047.00	\$ 2,094.00	\$ 5,235.00	\$ 8,376.00	\$ 10,470.01
	% Impact	4.5%	4.5%	4.5%	4.5%	4.5%
	% of Total Bill	7.9%	8.2%	8.0%	8.3%	8.0%
Delivery (Distribution and Retail Transmission)	Applied For Bill	\$ 28,721.82	\$ 53,774.82	\$ 128,933.82	\$ 204,092.82	\$ 254,198.82
	Current Bill	\$ 20,621.24	\$ 37,580.74	\$ 88,459.24	\$ 139,337.74	\$ 173,256.73
	\$ Impact	\$ 8,100.58	\$ 16,194.08	\$ 40,474.58	\$ 64,755.08	\$ 80,942.09
	% Impact	39.3%	43.1%	45.8%	46.5%	46.7%
	% of Total Bill	9.4%	9.2%	8.5%	8.8%	8.4%
Regulatory	Applied For Bill	\$ 18,839.04	\$ 36,228.70	\$ 94,194.22	\$ 144,914.05	\$ 188,388.19
	Current Bill	\$ 18,839.04	\$ 36,228.70	\$ 94,194.22	\$ 144,914.05	\$ 188,388.19
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	6.2%	6.2%	6.2%	6.2%	6.2%
Debt Retirement Charge	Applied For Bill	\$ 18,200.00	\$ 35,000.00	\$ 91,000.00	\$ 140,000.00	\$ 182,000.01
	Current Bill	\$ 18,200.00	\$ 35,000.00	\$ 91,000.00	\$ 140,000.00	\$ 182,000.01
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	6.0%	6.0%	6.0%	6.0%	6.0%
GST	Applied For Bill	\$ 35,167.97	\$ 67,441.86	\$ 173,935.85	\$ 268,339.43	\$ 347,395.70
	Current Bill	\$ 34,114.90	\$ 65,336.63	\$ 168,674.16	\$ 259,921.27	\$ 336,873.23
	\$ Impact	\$ 1,053.07	\$ 2,105.23	\$ 5,261.69	\$ 8,418.16	\$ 10,522.47
	% Impact	3.1%	3.2%	3.1%	3.2%	3.1%
	% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%
Total Bill	Applied For Bill	\$ 305,690.84	\$ 586,225.40	\$ 1,511,903.93	\$ 2,332,488.86	\$ 3,019,670.30
	Current Bill	\$ 296,537.19	\$ 567,926.09	\$ 1,466,167.66	\$ 2,259,315.62	\$ 2,928,205.74
	\$ Impact	\$ 9,153.65	\$ 18,299.31	\$ 45,736.27	\$ 73,173.24	\$ 91,464.56
	% Impact	3.1%	3.2%	3.1%	3.2%	3.1%

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Unmetered Scattered Load

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	9.08	9.10
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	- 0.23	-
Distribution Volumetric Rate	\$/kWh	0.0052	0.0052
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0003	0.0003
Distribution Volumetric Rate Rider(s)	\$/kWh	- 0.0001	-
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0053	0.0055
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042	0.0044
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	2,000 kWh	0 kW
RPP Tier One	750 kWh	Load Factor

Loss Factor 1.0608

Unmetered Scattered Load	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.0%	19.46%
Energy Second Tier (kWh)	1,372	0.0750	102.90	1,372	0.0750	102.90	0.00	0.0%	41.08%
Sub-Total: Energy			151.65			151.65	0.00	0.0%	60.55%
Service Charge	1	9.08	9.08	1	9.10	9.10	0.02	0.2%	3.63%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	-0.23	-0.23	1	0.00	0.00	0.23	(100.0)%	0.00%
Distribution Volumetric Rate	2,000	0.0052	10.40	2,000	0.0052	10.40	0.00	0.0%	4.15%
Distribution Volumetric Rate Adder(s)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	2,000	0.0003	0.60	2,000	0.0003	0.60	0.00	0.0%	0.24%
Distribution Volumetric Rate Rider(s)	2,000	-0.0001	-0.20	2,000	0.0000	0.00	0.20	(100.0)%	0.00%
Total: Distribution			19.65			20.10	0.45	2.3%	8.03%
Retail Transmission Rate – Network Service Rate	2,122	0.0053	11.25	2,122	0.0055	11.67	0.42	3.7%	4.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,122	0.0042	8.91	2,122	0.0044	9.34	0.43	4.8%	3.73%
Total: Retail Transmission			20.16			21.01	0.85	4.2%	8.39%
Sub-Total: Delivery (Distribution and Retail Transmission)			39.81			41.11	1.30	3.3%	16.41%
Wholesale Market Service Rate	2,122	0.0052	11.03	2,122	0.0052	11.03	0.00	0.0%	4.40%
Rural Rate Protection Charge	2,122	0.0013	2.76	2,122	0.0013	2.76	0.00	0.0%	1.10%
Special Purpose Charge	2,122	0.0004	0.85	2,122	0.0004	0.85	0.00	0.0%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.10%
Sub-Total: Regulatory			14.89			14.89	0.00	0.0%	5.95%
Debt Retirement Charge (DRC)	2,000	0.00700	14.00	2,000	0.00700	14.00	0.00	0.0%	5.59%
Total Bill before Taxes			220.35			221.65	1.30	0.6%	88.50%
HST	220.35	13%	28.65	221.65	13%	28.81	0.16	0.6%	11.50%
Total Bill			249.00			250.46	1.46	0.6%	100.00%

Rate Class Threshold Test

Unmetered Scattered Load

	kWh	500	2,000	7,500	15,000	20,000
Loss Factor Adjusted kWh		531	2,122	7,956	15,912	21,216
	kW					
	Load Factor					
Energy	Applied For Bill	\$ 34.51	\$ 151.65	\$ 589.20	\$ 1,185.90	\$ 1,583.70
	Current Bill	\$ 34.51	\$ 151.65	\$ 589.20	\$ 1,185.90	\$ 1,583.70
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	51.7%	60.5%	63.1%	63.6%	63.7%
Distribution	Applied For Bill	\$ 11.85	\$ 20.10	\$ 50.35	\$ 91.60	\$ 119.10
	Current Bill	\$ 11.55	\$ 19.65	\$ 49.35	\$ 89.85	\$ 116.85
	\$ Impact	\$ 0.30	\$ 0.45	\$ 1.00	\$ 1.75	\$ 2.25
	% Impact	2.6%	2.3%	2.0%	1.9%	1.9%
	% of Total Bill	17.8%	8.0%	5.4%	4.9%	4.8%
Retail Transmission	Applied For Bill	\$ 5.26	\$ 21.01	\$ 78.77	\$ 157.53	\$ 210.04
	Current Bill	\$ 5.04	\$ 20.16	\$ 75.59	\$ 151.16	\$ 201.55
	\$ Impact	\$ 0.22	\$ 0.85	\$ 3.18	\$ 6.37	\$ 8.49
	% Impact	4.4%	4.2%	4.2%	4.2%	4.2%
	% of Total Bill	7.9%	8.4%	8.4%	8.4%	8.5%
Delivery (Distribution and Retail Transmission)	Applied For Bill	\$ 17.11	\$ 41.11	\$ 129.12	\$ 249.13	\$ 329.14
	Current Bill	\$ 16.59	\$ 39.81	\$ 124.94	\$ 241.01	\$ 318.40
	\$ Impact	\$ 0.52	\$ 1.30	\$ 4.18	\$ 8.12	\$ 10.74
	% Impact	3.1%	3.3%	3.3%	3.4%	3.4%
	% of Total Bill	25.7%	16.4%	13.8%	13.4%	13.2%
Regulatory	Applied For Bill	\$ 3.91	\$ 14.89	\$ 55.14	\$ 110.04	\$ 146.64
	Current Bill	\$ 3.91	\$ 14.89	\$ 55.14	\$ 110.04	\$ 146.64
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	5.9%	5.9%	5.9%	5.9%	5.9%
Debt Retirement Charge	Applied For Bill	\$ 3.50	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
	Current Bill	\$ 3.50	\$ 14.00	\$ 52.50	\$ 105.00	\$ 140.00
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	5.2%	5.6%	5.6%	5.6%	5.6%
GST	Applied For Bill	\$ 7.67	\$ 28.81	\$ 107.37	\$ 214.51	\$ 285.93
	Current Bill	\$ 7.61	\$ 28.65	\$ 106.83	\$ 213.45	\$ 284.54
	\$ Impact	\$ 0.06	\$ 0.16	\$ 0.54	\$ 1.06	\$ 1.39
	% Impact	0.8%	0.6%	0.5%	0.5%	0.5%
	% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%
Total Bill	Applied For Bill	\$ 66.70	\$ 250.46	\$ 933.33	\$ 1,864.58	\$ 2,485.41
	Current Bill	\$ 66.12	\$ 249.00	\$ 928.61	\$ 1,855.40	\$ 2,473.28
	\$ Impact	\$ 0.58	\$ 1.46	\$ 4.72	\$ 9.18	\$ 12.13
	% Impact	0.9%	0.6%	0.5%	0.5%	0.5%

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Sentinel Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	0.18	0.18
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	0.9858	0.9878
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.0815	0.0815
Distribution Volumetric Rate Rider(s)	\$/kW	-1.3840	-
Retail Transmission Rate – Network Service Rate	\$/kW	1.6113	1.6865
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3331	1.3916
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	180 kWh	0.50 kW
RPP Tier One	750 kWh	Load Factor 49.3%

Loss Factor 1.0608

Sentinel Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	191	0.0650	12.42	191	0.0650	12.42	0.00	0.0%	62.79%
Energy Second Tier (kWh)	0	0.0750	0.00	0	0.0750	0.00	0.00	0.0%	0.00%
Sub-Total: Energy			12.42			12.42	0.00	0.0%	62.79%
Service Charge	1	0.18	0.18	1	0.18	0.18	0.00	0.0%	0.91%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	0.50	0.9858	0.49	0.50	0.9878	0.49	0.00	0.0%	2.48%
Distribution Volumetric Rate Adder(s)	0.50	0.0000	0.00	0.50	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.50	0.0815	0.04	0.50	0.0815	0.04	0.00	0.0%	0.20%
Distribution Volumetric Rate Rider(s)	0.50	-1.3840	-0.69	0.50	0.0000	0.00	0.69	(100.0)%	0.00%
Total: Distribution			0.02			0.71	0.69	3450.0%	3.59%
Retail Transmission Rate – Network Service Rate	0.50	1.6113	0.81	0.50	1.6865	0.84	0.03	3.7%	4.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.50	1.3331	0.67	0.50	1.3916	0.70	0.03	4.5%	3.54%
Total: Retail Transmission			1.48			1.54	0.06	4.1%	7.79%
Sub-Total: Delivery (Distribution and Retail Transmission)			1.50			2.25	0.75	50.0%	11.38%
Wholesale Market Service Rate	191	0.0052	0.99	191	0.0052	0.99	0.00	0.0%	5.01%
Rural Rate Protection Charge	191	0.0013	0.25	191	0.0013	0.25	0.00	0.0%	1.26%
Special Purpose Charge	191	0.0004	0.08	191	0.0004	0.08	0.00	0.0%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	1.26%
Sub-Total: Regulatory			1.57			1.57	0.00	0.0%	7.94%
Debt Retirement Charge (DRC)	180	0.00700	1.26	180	0.00700	1.26	0.00	0.0%	6.37%
Total Bill before Taxes			16.75			17.50	0.75	4.5%	88.47%
HST	16.75	13%	2.18	17.50	13%	2.28	0.10	4.6%	11.53%
Total Bill			18.93			19.78	0.85	4.5%	100.00%

Rate Class Threshold Test

Sentinel Lighting

	kWh	70	130	180	270	360
Loss Factor Adjusted kWh		75	138	191	287	382
	kW	0.20	0.35	0.50	0.75	1.00
	Load Factor	48.0%	50.9%	49.3%	49.3%	49.3%

Energy

Applied For Bill	\$ 4.87	\$ 8.97	\$ 12.41	\$ 18.65	\$ 24.83
Current Bill	\$ 4.87	\$ 8.97	\$ 12.41	\$ 18.65	\$ 24.83
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	60.3%	62.4%	62.8%	63.4%	63.6%

Distribution

Applied For Bill	\$ 0.40	\$ 0.56	\$ 0.71	\$ 0.98	\$ 1.25
Current Bill	\$ 0.12	\$ 0.08	\$ 0.02	\$ 0.06	\$ 0.13
\$ Impact	\$ 0.28	\$ 0.48	\$ 0.69	\$ 1.04	\$ 1.38
% Impact	233.3%	600.0%	3450.0%	-1733.3%	-1061.5%
% of Total Bill	5.0%	3.9%	3.6%	3.3%	3.2%

Retail Transmission

Applied For Bill	\$ 0.62	\$ 1.08	\$ 1.54	\$ 2.30	\$ 3.08
Current Bill	\$ 0.59	\$ 1.03	\$ 1.48	\$ 2.21	\$ 2.94
\$ Impact	\$ 0.03	\$ 0.05	\$ 0.06	\$ 0.09	\$ 0.14
% Impact	5.1%	4.9%	4.1%	4.1%	4.8%
% of Total Bill	7.7%	7.5%	7.8%	7.8%	7.9%

Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 1.02	\$ 1.64	\$ 2.25	\$ 3.28	\$ 4.33
Current Bill	\$ 0.71	\$ 1.11	\$ 1.50	\$ 2.15	\$ 2.81
\$ Impact	\$ 0.31	\$ 0.53	\$ 0.75	\$ 1.13	\$ 1.52
% Impact	43.7%	47.7%	50.0%	52.6%	54.1%
% of Total Bill	12.6%	11.4%	11.4%	11.1%	11.1%

Regulatory

Applied For Bill	\$ 0.77	\$ 1.21	\$ 1.57	\$ 2.22	\$ 2.89
Current Bill	\$ 0.77	\$ 1.21	\$ 1.57	\$ 2.22	\$ 2.89
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	9.5%	8.4%	7.9%	7.5%	7.4%

Debt Retirement Charge

Applied For Bill	\$ 0.49	\$ 0.91	\$ 1.26	\$ 1.89	\$ 2.52
Current Bill	\$ 0.49	\$ 0.91	\$ 1.26	\$ 1.89	\$ 2.52
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.1%	6.3%	6.4%	6.4%	6.5%

GST

Applied For Bill	\$ 0.93	\$ 1.65	\$ 2.27	\$ 3.39	\$ 4.49
Current Bill	\$ 0.89	\$ 1.59	\$ 2.18	\$ 3.24	\$ 4.30
\$ Impact	\$ 0.04	\$ 0.06	\$ 0.09	\$ 0.15	\$ 0.19
% Impact	4.5%	3.8%	4.1%	4.6%	4.4%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

Total Bill

Applied For Bill	\$ 8.08	\$ 14.38	\$ 19.76	\$ 29.43	\$ 39.06
Current Bill	\$ 7.73	\$ 13.79	\$ 18.92	\$ 28.15	\$ 37.35
\$ Impact	\$ 0.35	\$ 0.59	\$ 0.84	\$ 1.28	\$ 1.71
% Impact	4.5%	4.3%	4.4%	4.5%	4.6%

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Street Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	0.14	0.14
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	0.5776	0.5788
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.0788	0.0788
Distribution Volumetric Rate Rider(s)	\$/kW	-1.1138	-
Retail Transmission Rate – Network Service Rate	\$/kW	1.6030	1.6778
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3057	1.3630
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Consumption	37 kWh	0.10 kW
RPP Tier One	750 kWh	Load Factor 50.7%

Loss Factor 1.0608

Street Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	40	0.0650	2.60	40	0.0650	2.60	0.00	0.0%	58.82%
Energy Second Tier (kWh)	0	0.0750	0.00	0	0.0750	0.00	0.00	0.0%	0.00%
Sub-Total: Energy			2.60			2.60	0.00	0.0%	58.82%
Service Charge	1	0.14	0.14	1	0.14	0.14	0.00	0.0%	3.17%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	0.10	0.5776	0.06	0.10	0.5788	0.06	0.00	0.0%	1.36%
Distribution Volumetric Rate Adder(s)	0.10	0.0000	0.00	0.10	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.10	0.0788	0.01	0.10	0.0788	0.01	0.00	0.0%	0.23%
Distribution Volumetric Rate Rider(s)	0.10	-1.1138	-0.11	0.10	0.0000	0.00	0.11	(100.0)%	0.00%
Total: Distribution			0.10			0.21	0.11	110.0%	4.75%
Retail Transmission Rate – Network Service Rate	0.10	1.6030	0.16	0.10	1.6778	0.17	0.01	6.3%	3.85%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.10	1.3057	0.13	0.10	1.3630	0.14	0.01	7.7%	3.17%
Total: Retail Transmission			0.29			0.31	0.02	6.9%	7.01%
Sub-Total: Delivery (Distribution and Retail Transmission)			0.39			0.52	0.13	33.3%	11.76%
Wholesale Market Service Rate	40	0.0052	0.21	40	0.0052	0.21	0.00	0.0%	4.75%
Rural Rate Protection Charge	40	0.0013	0.05	40	0.0013	0.05	0.00	0.0%	1.13%
Special Purpose Charge	40	0.0004	0.02	40	0.0004	0.02	0.00	0.0%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	5.66%
Sub-Total: Regulatory			0.53			0.53	0.00	0.0%	11.99%
Debt Retirement Charge (DRC)	37	0.00700	0.26	37	0.00700	0.26	0.00	0.0%	5.88%
Total Bill before Taxes			3.78			3.91	0.13	3.4%	88.46%
HST	3.78	13%	0.49	3.91	13%	0.51	0.02	4.1%	11.54%
Total Bill			4.27			4.42	0.15	3.5%	100.00%

Rate Class Threshold Test

Street Lighting

	kWh	37	73	110	146	183
Loss Factor Adjusted kWh	40	78	117	155	195	
kW	0.10	0.20	0.30	0.40	0.50	
Load Factor	50.7%	50.0%	50.3%	50.0%	50.2%	

Energy

Applied For Bill	\$ 2.60	\$ 5.07	\$ 7.60	\$ 10.07	\$ 12.67
Current Bill	\$ 2.60	\$ 5.07	\$ 7.60	\$ 10.07	\$ 12.67
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	58.8%	61.8%	63.0%	63.5%	64.0%

Distribution

Applied For Bill	\$ 0.21	\$ 0.28	\$ 0.33	\$ 0.40	\$ 0.47
Current Bill	\$ 0.10	\$ 0.06	\$ -	\$ 0.05	\$ 0.09
\$ Impact	\$ 0.11	\$ 0.22	\$ 0.33	\$ 0.45	\$ 0.56
% Impact	110.0%	366.7%	0.0%	-900.0%	-622.2%
% of Total Bill	4.8%	3.4%	2.7%	2.5%	2.4%

Retail Transmission

Applied For Bill	\$ 0.31	\$ 0.61	\$ 0.91	\$ 1.22	\$ 1.52
Current Bill	\$ 0.29	\$ 0.58	\$ 0.87	\$ 1.16	\$ 1.45
\$ Impact	\$ 0.02	\$ 0.03	\$ 0.04	\$ 0.06	\$ 0.07
% Impact	6.9%	5.2%	4.6%	5.2%	4.8%
% of Total Bill	7.0%	7.4%	7.5%	7.7%	7.7%

Delivery (Distribution and Retail Transmission)

Applied For Bill	\$ 0.52	\$ 0.89	\$ 1.24	\$ 1.62	\$ 1.99
Current Bill	\$ 0.39	\$ 0.64	\$ 0.87	\$ 1.11	\$ 1.36
\$ Impact	\$ 0.13	\$ 0.25	\$ 0.37	\$ 0.51	\$ 0.63
% Impact	33.3%	39.1%	42.5%	45.9%	46.3%
% of Total Bill	11.8%	10.9%	10.3%	10.2%	10.0%

Regulatory

Applied For Bill	\$ 0.53	\$ 0.79	\$ 1.06	\$ 1.32	\$ 1.59
Current Bill	\$ 0.53	\$ 0.79	\$ 1.06	\$ 1.32	\$ 1.59
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	12.0%	9.6%	8.8%	8.3%	8.0%

Debt Retirement Charge

Applied For Bill	\$ 0.26	\$ 0.51	\$ 0.77	\$ 1.02	\$ 1.28
Current Bill	\$ 0.26	\$ 0.51	\$ 0.77	\$ 1.02	\$ 1.28
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.9%	6.2%	6.4%	6.4%	6.5%

GST

Applied For Bill	\$ 0.51	\$ 0.94	\$ 1.39	\$ 1.82	\$ 2.28
Current Bill	\$ 0.49	\$ 0.91	\$ 1.34	\$ 1.76	\$ 2.20
\$ Impact	\$ 0.02	\$ 0.03	\$ 0.05	\$ 0.06	\$ 0.08
% Impact	4.1%	3.3%	3.7%	3.4%	3.6%
% of Total Bill	11.5%	11.5%	11.5%	11.5%	11.5%

Total Bill

Applied For Bill	\$ 4.42	\$ 8.20	\$ 12.06	\$ 15.85	\$ 19.81
Current Bill	\$ 4.27	\$ 7.92	\$ 11.64	\$ 15.28	\$ 19.10
\$ Impact	\$ 0.15	\$ 0.28	\$ 0.42	\$ 0.57	\$ 0.71
% Impact	3.5%	3.5%	3.6%	3.7%	3.7%

Current Tariff Sheet

Middlesex Power Distribution Corporation - Middlesex

CURRENT TARIFF OF RATES AND CHARGES

CURRENT MONTHLY RATES AND CHARGES

Residential

Monthly Rates and Charges - Delivery Component

Service Charge	\$	13.73
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(0.35)
Distribution Volumetric Rate	\$/kWh	0.0139
Rate Rider for Global Adjustment Sub-Account Disposition (2010) - Effective until April 30, 2011	\$/kWh	0.00180
Applicable only for Non-RPP Customers		
Low Voltage Volumetric Rate	\$/kWh	0.0003
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kWh	(0.0034)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kWh	(0.0004)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0058
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0047

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

General Service Less Than 50 kW

Monthly Rates and Charges - Delivery Component

Service Charge	\$	18.14
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(0.46)
Distribution Volumetric Rate	\$/kWh	0.0048
Rate Rider for Global Adjustment Sub-Account Disposition (2010) - Effective until April 30, 2011	\$/kWh	0.00180
Applicable only for Non-RPP Customers		
Low Voltage Volumetric Rate	\$/kWh	0.0002
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kWh	(0.0033)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

General Service 50 to 4,999 kW

Monthly Rates and Charges - Delivery Component

Service Charge	\$	43.35
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(1.11)
Distribution Volumetric Rate	\$/kW	1.4368
Rate Rider for Global Adjustment Sub-Account Disposition (2010) - Effective until April 30, 2011	\$/kW	0.65660
Applicable only for Non-RPP Customers		
Low Voltage Volumetric Rate	\$/kW	0.1010
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.2022)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.0404)
Retail Transmission Rate – Network Service Rate	\$/kW	2.1259
Retail Transmission Rate – Network Service Rate – Interval metered	\$/kW	2.3601
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6890
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.9015

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Large Use

Monthly Rates and Charges - Delivery Component

Service Charge	\$	3,660.48
Service Charge Smart Meters	\$	1.26
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until until next cost of service application	\$	0.77
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(93.55)
Distribution Volumetric Rate	\$/kW	0.0539
Rate Rider for Global Adjustment Sub-Account Disposition (2010) - Effective until April 30, 2011 Applicable only for Non-RPP Customers	\$/kW	0.78920
Low Voltage Volumetric Rate	\$/kW	0.1297
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.4036)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.0056)
Retail Transmission Rate – Network Service Rate	\$/kW	2.5001
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.1174

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Unmetered Scattered Load

Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	9.08
Service Charge Tier 2 Recovery – effective until April 30, 2011	\$	(0.23)
Distribution Volumetric Rate	\$/kWh	0.0052
Low Voltage Volumetric Rate	\$/kWh	0.0003
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Sentinel Lighting

Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	0.18
Distribution Volumetric Rate	\$/kW	0.9858
Low Voltage Volumetric Rate	\$/kW	0.0815
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.3567)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.0273)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6113
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3331

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Street Lighting

Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	0.14
Distribution Volumetric Rate	\$/kW	0.5776
Low Voltage Volumetric Rate	\$/kW	0.0788
Distribution Volumetric Deferral Variance Account Disposition (2010) – effective until April 30, 2011	\$/kW	(1.0970)
Distribution Volumetric Tier 2 Recovery – effective until April 30, 2011	\$/kW	(0.0168)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6030
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3057

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

microFIT Generator

Service Charge	\$	5.25
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CURRENT SPECIFIC SERVICE CHARGES**Customer Administration**

Arrears certificate	\$	15.00
Easement letter	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter - during regular hours	\$	65.00

Other

Temporary service install & remove - overhead - no transformer	\$	500.00
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35
Switching for company maintenance – Charge based on Time and Materials	\$	

Allowances

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)

Current Retail Service Charges (if applicable)**Retail Service Charges (if applicable)**

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)

Service Transaction Requests (STR)

Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50

Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party

Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0608
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0501
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Proposed Tariff Sheet

Middlesex Power Distribution Corporation - Middlesex
TARIFF OF RATES AND CHARGES
Effective May 1, 2011

EB-2010-0098

MONTHLY RATES AND CHARGES

Applied For Monthly Rates and Charges

Residential

Monthly Rates and Charges - Delivery Component

Service Charge	\$	13.76
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Volumetric Rate	\$/kWh	0.0003
Distribution Volumetric Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery – effective until	\$/kWh	0.0013
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0049

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

General Service Less Than 50 kW

Monthly Rates and Charges - Delivery Component

Service Charge	\$	18.18
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kWh	0.0048
Low Voltage Volumetric Rate	\$/kWh	0.0002
Distribution Volumetric Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery – effective until	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0044

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

General Service 50 to 4,999 kW

Monthly Rates and Charges - Delivery Component

Service Charge	\$	43.44
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kW	1.4397
Low Voltage Volumetric Rate	\$/kW	0.1010
Distribution Volumetric Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery – effective until	\$/kW	0.0001
Retail Transmission Rate – Network Service Rate	\$/kW	2.2251
Retail Transmission Rate – Network Service Rate – Interval metered	\$/kW	2.4593
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.7631
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.9756

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Large Use

Monthly Rates and Charges - Delivery Component

Service Charge	\$	3,667.79
Service Charge Smart Meters	\$	1.03
Service Charge Smart Meter Disposition 2 – effective until next cost of service application	\$	1.23
Service Charge Smart Meter Disposition 3 – effective until effective until next cost of service application	\$	0.77
Distribution Volumetric Rate	\$/kW	0.0540
Low Voltage Volumetric Rate	\$/kW	0.1297
Retail Transmission Rate – Network Service Rate	\$/kW	2.6167
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.2102

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Unmetered Scattered Load

Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	9.10
Distribution Volumetric Rate	\$/kWh	0.0052
Low Voltage Volumetric Rate	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0044

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Sentinel Lighting

Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	0.18
Distribution Volumetric Rate	\$/kW	0.9878
Low Voltage Volumetric Rate	\$/kW	0.0815
Retail Transmission Rate – Network Service Rate	\$/kW	1.6865
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3916

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Street Lighting

Monthly Rates and Charges - Delivery Component

Service Charge (per connection)	\$	0.14
Distribution Volumetric Rate	\$/kW	0.5788
Low Voltage Volumetric Rate	\$/kW	0.0788
Retail Transmission Rate – Network Service Rate	\$/kW	1.6778
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3630

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

microFIT Generator

Service Charge	\$	5.25
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Specific Service Charges**Customer Administration**

Arrears certificate	\$	15.00
Easement letter	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter - during regular hours	\$	65.00

Other

Temporary service install & remove - overhead - no transformer	\$	500.00
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35
Switching for company maintenance – Charge based on Time and Materials	\$	

Allowances

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)

Retail Service Charges (if applicable)**Retail Service Charges (if applicable)**

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)

Service Transaction Requests (STR)

Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50

Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party

Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0608
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0501
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Smart Meter Adder Calculation

Sheet 1 Utility Information Sheet

Name of LDC: Middlesex Power Distribution

Licence Number: ED-2002-0059

Date of Submission: October 1, 2010

Contact Information

Name: Cheryl Decaire

Title: Co-ordinator of Regulatory and Rates

Phone Number: 519-352-6300 x 405

E-Mail Address: cheryldecaire@ckenergy.com

Sheet 2. Smart Meter Capital Cost and Operational Expense Data

Smart Meter Unit Installation Plan:

assume calendar year installation

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Planned number of Residential smart meters to be installed	3,263	2,752	126	92	37			6,270
Planned number of General Service Less Than 50 kW smart meters			35	281	241	90		647
Planned Meter Installation (Residential and Less Than 50 kW only)	3,263	2,752	161	373	278	90	-	6,917
Percentage of Completion	47%	87%	89%	95%	99%	100%	100%	
Planned number of General Service Greater Than 50 kW smart meters			21		51			72
Planned / Actual Meter Installations	3,263	2,752	182	373	329	90	-	6,989

Other Unit Installation Plan:

assume calendar year installation

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Planned number of Collectors to be installed								-
Planned number of Repeaters to be installed					4			4
Other : Please specify				8	15			23
Transceivers								-
								-
								-
								-

Capital Costs

1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

Asset Type

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
1.1.1 Smart Meter			\$ 48,778	\$ 85,581	\$ 112,003	\$ 47,897		\$ 294,259
<small>may include new meters and modules, etc.</small>								
1.1.2 Installation Cost			\$ 10,383	\$ 13,240	\$ 11,602	\$ 3,076		\$ 38,300
<small>may include socket kits plus shipping, labour, benefits, vehicle, etc.</small>								
1.1.3a Workforce Automation Hardware								\$ -
<small>may include fieldworker handhelds, barcode hardware, etc.</small>								
1.1.3b Workforce Automation Software								\$ -
<small>may include fieldworker handhelds, barcode hardware, etc.</small>								
Total Advanced Metering Communication Device (AMCD)	\$ -	\$ -	\$ 59,161	\$ 98,820	\$ 123,605	\$ 50,973	\$ -	\$ 332,559

1.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)

1.2.1 Collectors

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Smart Meter								\$ -

1.2.2 Repeaters

may include radio licence, etc.

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Smart Meter					\$ 712			\$ 712

1.2.3 Installation

may include meter seals and rings, collector computer hardware, etc.

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Smart Meter								\$ -

Total Advanced Metering Regional Collector (AMRC) (includes LAN)

	\$ -	\$ -	\$ -	\$ -	\$ 712	\$ -	\$ -	\$ 712
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1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

1.3.1 Computer Hardware

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Hard.								\$ -

1.3.2 Computer Software

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Soft.								\$ -

1.3.3 Computer Software Licence & Installation (includes hardware & software)

may include AS/400 disc space, backup & recovery computer, UPS, etc.

Total Advanced Metering Control Computer (AMCC)

	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
--	------	------	------	------	------	------	------	------

1.4 WIDE AREA NETWORK (WAN)

1.4.1 Activation Fees

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Tools & Equip				\$ 3,179	\$ 6,586	\$ 2,997		\$ 12,762

Total Wide Area Network (WAN)

	\$ -	\$ -	\$ -	\$ 3,179	\$ 6,586	\$ 2,997	\$ -	\$ 12,762
--	------	------	------	----------	----------	----------	------	-----------

1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY

1.5.1 Customer equipment (including repair of damaged equipment)

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Other Equip.								\$ -

1.5.2 AMI Interface to CIS

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Soft.								\$ -

1.5.3 Professional Fees

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Soft.								\$ -

1.5.4 Integration

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Soft.								\$ -

1.5.5 Program Management

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Soft.								\$ -

1.5.6 Other AMI Capital

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Comp. Soft.								\$ -

Total Other AMI Capital Costs Related To Minimum Functionality

	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
--	------	------	------	------	------	------	------	------

Total Capital Costs

	\$ -	\$ -	\$ 59,161	\$ 101,999	\$ 130,903	\$ 53,970	\$ -	\$ 346,033
--	------	------	-----------	------------	------------	-----------	------	------------

Sheet 2. Smart Meter Capital Cost and Operational Expense Data

O M & A

2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

2.1.1 Maintenance

may include meter reverification costs, etc.

Total Incremental AMI Operation Expenses

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Forecasted	2011 Forecasted	Later Forecasted	Total
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)

2.2.1 Maintenance

Total Advanced Metering Regional Collector (AMRC) (includes LAN)

								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)

2.3.1 Hardware Maintenance

may include server support, etc.

2.3.2 Software Maintenance

may include maintenance support, etc.

Total Advanced Metering Control Computer (AMCC)

								\$ -
								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2.4 WIDE AREA NETWORK (WAN)

2.4.1 WIDE AREA NETWORK (WAN)

may include serial to Ethernet hardware, etc.

Total Incremental Other Operation Expenses

								\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

2.5.1 Business Process Redesign

2.5.2 Customer Communication

may include project communication, etc.

2.5.3 Program Management

2.5.4 Change Management

may include training, etc.

2.5.5 Administration Cost

2.5.6 Other AMI Expenses

Total 2.5 Other AMI OM&A Costs Related To Minimum Functionality

								\$ -
								\$ -
								\$ -
								\$ -
			\$ 18,283	\$ 11,450	\$ 13,296	\$ 7,596		\$ 50,625
			\$ 43,135	\$ 61,506	\$ 21,031	\$ 21,031		\$ 146,704
	\$ -	\$ -	\$ 61,419	\$ 72,956	\$ 34,327	\$ 28,627	\$ -	\$ 197,329

Total O M & A Costs

	\$ -	\$ -	\$ 61,419	\$ 72,956	\$ 34,327	\$ 28,627	\$ -	\$ 197,329
--	------	------	-----------	-----------	-----------	-----------	------	------------

Sheet 3. LDC Assumptions and Data

Assumptions:

1. Planned meter installations occur evenly through the year.
2. Year assumed January to December
3. Amortization is straight line and has half year rule applied in first year

2006 EDR Data		2007	2008	2009	2010	2011	Later
Information							
Rate Base							
Deemed Short Term Debt %			0%	0%	0%	4%	4%
Deemed Debt	50%	50%	53%	57%	60%	56%	56%
Deemed Equity	50%	50%	47%	43%	40%	40%	40%
Deemed Short Term Debt Rate%						2.07%	2.07%
Weighted Debt Rate	0.00%	0.00%	7.25%	7.25%	7.25%	5.87%	5.87%
Proposed ROE	9.00%	9.00%	9.00%	9.00%	9.00%	9.85%	9.85%
Weighted Average Cost of Capital	4.50%	4.50%	8.07%	8.01%	7.95%	7.31%	7.31%
Working Capital Allowance %							
	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
2006 EDR Tax Rate							
Corporate Income Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%

Capital Data:

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
Smart Meter	\$ -	\$ -	\$ 59,161	\$ 98,820	\$ 124,317	\$ 50,973	\$ -	\$ 333,271
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ 3,179	\$ 6,586	\$ 2,997	\$ -	\$ 12,762
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capital Costs	\$ -	\$ -	\$ 59,161	\$ 98,820	\$ 124,317	\$ 50,973	\$ -	\$ 333,271
				3,179.04	6,586.41	2,996.72	-	12,762.17

Operating Expense Data:

	2006	2007	2008	2009	2010	2011	Later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	
2.1 Advanced Metering Communication Device (AMCD)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.2 Advanced Metering Regional Collector (AMRC) (includes LAN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.3 Advanced Metering Control Computer (AMCC)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.4 Wide Area Network (WAN)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2.5 Other AMI OM&A Costs Related To Minimum Functionality	\$ -	\$ -	\$ 61,419	\$ 72,956	\$ 34,327	\$ 28,627	\$ -	\$ 197,329
Total O M & A Costs	\$ -	\$ -	\$ 61,419	\$ 72,956	\$ 34,327	\$ 28,627	\$ -	\$ 197,329

Per Meter Cost Split:

	Per Meter	Installed	Investment	% of Invest
Smart meter including installation	\$ 48.18	6,917	\$ 333,271	61%
Computer Hardware Costs	\$ -	6,917	\$ -	0%
Computer Software Costs	\$ -	6,917	\$ -	0%
Tools & Equipment	\$ 1.85	6,917	\$ 12,762	2%
Other Equipment	\$ -	6,917	\$ -	0%
Smart meter incremental operating expenses	\$ 28.53	6,917	\$ 197,329	36%
Total Smart Meter Capital Costs per meter	\$ 78.55		\$ 543,362	100%

Depreciation Rates

	2006	2007	2008	2009	2010	2011	Later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted
Smart Meter (years)	15	15	15	15	15	15	15
Computer Hardware (years)	10	10	10	10	10	10	10
Computer Software (years)	5	5	5	5	5	5	5
Tools & Equipment (years)	10	10	10	10	10	10	10
Other Equipment (years)	10	10	10	10	10	10	10

CCA Rates

	2006	2007	2008	2009	2010	2011	Later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted
CCA Class	47	47	47	47	47	47	47
Smart Meter	8%	8%	8%	8%	8%	8%	8%
CCA Class	45	50	50	50	50	50	50
Computer Equipment	45%	55%	55%	55%	55%	55%	55%
CCA Class	8	8	8	8	8	8	8
General Equipment	20%	20%	20%	20%	20%	20%	20%

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Sheet 4. Smart Meter Rev Req Calc

Smart Meter Revenue Requirement Calculation

Average Asset Values

Net Fixed Assets: Smart Meters	\$ -
Net Fixed Assets: Computer Hardware	\$ -
Net Fixed Assets: Computer Software	\$ -
Net Fixed Assets: Tools & Equipment	\$ -
Net Fixed Assets: Other Equipment	\$ -
Total Net Fixed Assets	\$ -

Working Capital

Operation Expense	\$ -
Working Capital %	\$ -

Smart Meters Included in Rate Base

	\$ -
--	------

Return on Rate Base

Deemed Short Term Debt %	50.0%
Deemed Long Term Debt %	50.0%
Deemed Equity %	50.0%

Return on Rate Base

Deemed Short Term Debt Rate%	0.0%
Weighted Debt Rate (i.e. LTC Assumptions and Debt)	9.0%
Proposed ROE (i.e. LTC Assumptions and Debt)	9.0%

Return on Rate Base

	\$ -
--	------

Operating Expenses

Incremental Operating Expenses (i.e. LTC Assumptions and Debt)

	\$ -
--	------

Amortization Expenses

Amortization Expenses - Smart Meters	\$ -
Amortization Expenses - Computer Hardware	\$ -
Amortization Expenses - Computer Software	\$ -
Amortization Expenses - Tools & Equipment	\$ -
Amortization Expenses - Other Equipment	\$ -
Total Amortization Expenses	\$ -

Revenue Requirement Before PILs

	\$ -
--	------

Calculation of Taxable Income

Incremental Operating Expenses

Depreciation Expenses

Interest Expense

Taxable Income For PILs

Grossed up PILs (i.e. PILs)

Revenue Requirement Before PILs

Grossed up PILs (i.e. PILs)

Revenue Requirement for Smart Meters

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Forecasted	2011 Forecasted	Later Forecasted
Net Fixed Assets: Smart Meters	\$ -	\$ -	\$ 28,594.49	\$ 102,880.14	\$ 203,591.60	\$ 273,638.96	\$ -
Net Fixed Assets: Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Fixed Assets: Computer Software	\$ -	\$ -	\$ -	\$ 1,510.04	\$ -	\$ -	\$ -
Net Fixed Assets: Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ 5,989.68	\$ 9,894.44	\$ -
Net Fixed Assets: Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Net Fixed Assets	\$ -	\$ -	\$ 28,594.49	\$ 104,490.18	\$ 209,581.28	\$ 283,533.40	\$ -
Operation Expense	\$ -	\$ -	\$ 61,418.63	\$ 72,955.74	\$ 34,327.16	\$ 28,627.16	\$ -
Working Capital %	\$ -	\$ -	\$ 9,212.79	\$ 10,943.36	\$ 5,149.07	\$ 4,294.07	\$ -
Smart Meters Included in Rate Base	\$ -	\$ -	\$ 37,807.28	\$ 116,433.54	\$ 214,730.36	\$ 287,827.48	\$ -
Deemed Short Term Debt %	50.0%	50.0%	53.3%	56.7%	60.0%	66.0%	56.0%
Deemed Long Term Debt %	50.0%	50.0%	46.7%	43.3%	40.0%	40.0%	40.0%
Deemed Equity %	50.0%	50.0%	0	0	0	0.04	0.04
Deemed Short Term Debt Rate%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	2.1%
Weighted Debt Rate (i.e. LTC Assumptions and Debt)	9.0%	9.0%	\$ 20,162.62	\$ 65,450.82	\$ 128,838.21	\$ 161,183.39	\$ 161,183.39
Proposed ROE (i.e. LTC Assumptions and Debt)	9.0%	9.0%	\$ 17,644.66	\$ 49,862.72	\$ 85,892.14	\$ 115,130.99	\$ 115,130.99
	\$ -	\$ -	\$ 37,807.28	\$ 116,433.54	\$ 214,730.36	\$ 276,314.58	\$ -
Incremental Operating Expenses (i.e. LTC Assumptions and Debt)	\$ -	\$ -	\$ 61,418.63	\$ 72,955.74	\$ 34,327.16	\$ 28,627.16	\$ -
Amortization Expenses - Smart Meters	\$ -	\$ -	\$ 1,972.03	\$ 7,238.08	\$ 14,675.98	\$ 20,518.97	\$ -
Amortization Expenses - Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Expenses - Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Expenses - Tools & Equipment	\$ -	\$ -	\$ -	\$ 158.95	\$ 647.22	\$ 1,126.38	\$ -
Amortization Expenses - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Amortization Expenses	\$ -	\$ -	\$ 1,972.03	\$ 7,397.03	\$ 15,323.20	\$ 21,645.35	\$ -
Revenue Requirement Before PILs	\$ -	\$ -	\$ 66,440.47	\$ 89,596.40	\$ 66,721.43	\$ 71,074.38	\$ -
Incremental Operating Expenses	\$ -	\$ -	\$ 61,418.63	\$ 72,955.74	\$ 34,327.16	\$ 28,627.16	\$ -
Depreciation Expenses	\$ -	\$ -	\$ 1,972.03	\$ 7,397.03	\$ 15,323.20	\$ 21,645.35	\$ -
Interest Expense	\$ -	\$ -	\$ 1,461.79	\$ 4,745.18	\$ 9,340.77	\$ 9,461.46	\$ -
Taxable Income For PILs	\$ -	\$ -	\$ 1,288.02	\$ 4,498.45	\$ 7,739.29	\$ 11,340.40	\$ -
Grossed up PILs (i.e. PILs)	\$ -	\$ -	\$ 729.97	\$ 1,862.34	\$ 2,476.34	\$ 9,590.19	\$ -
Revenue Requirement Before PILs	\$ -	\$ -	\$ 66,440.47	\$ 89,596.40	\$ 66,721.43	\$ 71,074.38	\$ -
Grossed up PILs (i.e. PILs)	\$ -	\$ -	\$ 729.97	\$ 1,862.34	\$ 2,476.34	\$ 9,590.19	\$ -
Revenue Requirement for Smart Meters	\$ -	\$ -	\$ 67,170.44	\$ 91,448.74	\$ 69,197.77	\$ 80,664.57	\$ -

Sheet 5. PILs

PILs Calculation

	2006	2007	2008	2009	2010	2011	Later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted
INCOME TAX							
Net Income	\$ -	\$ -	\$ 1,588.02	\$ 4,498.45	\$ 7,730.29	\$ -	\$ -
Amortization	\$ -	\$ -	\$ 1,972.03	\$ 7,397.03	\$ 15,323.20	\$ -	\$ -
CCA - Smart Meters	\$ -	\$ -	\$ 2,366.44	\$ 8,496.38	\$ 16,742.15	\$ 22,414.37	\$ -
CCA - Computers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ 317.90	\$ 1,230.87	\$ 1,943.01	\$ -
Change in taxable income	\$ -	\$ -	\$ 1,193.61	\$ 3,081.19	\$ 5,080.48	\$ 24,357.37	\$ -
Tax Rate (3. LDC Assumptions and Data)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Income Taxes Payable	\$ -	\$ -	\$ 399.86	\$ 1,016.79	\$ 1,574.95	\$ 6,880.96	\$ -
ONTARIO CAPITAL TAX							
Smart Meters	\$ -	\$ -	\$ 57,188.98	\$ 148,771.30	\$ 258,411.91	\$ 288,866.02	\$ -
Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Equipment	\$ -	\$ -	\$ -	\$ 3,020.09	\$ 8,959.27	\$ 10,829.61	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ -	\$ -	\$ 57,188.98	\$ 148,771.30	\$ 258,411.91	\$ 288,866.02	\$ -
Less: Exemption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Deemed Taxable Capital	\$ -	\$ -	\$ 57,188.98	\$ 148,771.30	\$ 258,411.91	\$ 288,866.02	\$ -
Ontario Capital Tax Rate	0.300%	0.225%	0.225%	0.225%	0.075%	0.000%	0.000%
Net Amount (Taxable Capital x Rate)	\$ -	\$ -	\$ 128.68	\$ 334.74	\$ 193.81	\$ -	\$ -
Gross Up							
Change in Income Taxes Payable	\$ -	\$ -	\$ 399.86	\$ 1,016.79	\$ 1,574.95	\$ 6,880.96	\$ -
Change in OCT	\$ -	\$ -	\$ 128.68	\$ 334.74	\$ 193.81	\$ -	\$ -
PIL's	\$ -	\$ -	\$ 528.54	\$ 1,351.53	\$ 1,768.76	\$ 6,880.96	\$ -
	Gross Up 36.12%	Gross Up 36.12%	Gross Up 33.50%	Gross Up 33.00%	Gross Up 31.00%	Gross Up 28.25%	Gross Up 26.25%
Change in Income Taxes Payable	\$ -	\$ -	\$ 601.29	\$ 1,517.60	\$ 2,282.53	\$ 9,590.19	\$ -
Change in OCT	\$ -	\$ -	\$ 128.68	\$ 334.74	\$ 193.81	\$ -	\$ -
PIL's	\$ -	\$ -	\$ 729.97	\$ 1,852.34	\$ 2,476.34	\$ 9,590.19	\$ -

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Sheet 6. Avg Net Fixed Assets & UCC

Smart Meter Average Net Fixed Assets

Net Fixed Assets - Smart Meters

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ 59,161.01	\$ 157,981.41	\$ 282,298.00
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ 59,161.01	\$ 98,820.40	\$ 124,316.59	\$ 50,973.08
Closing Capital Investment	\$ -	\$ -	\$ 59,161.01	\$ 157,981.41	\$ 282,298.00	\$ 333,271.08
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ 1,972.03	\$ 9,210.11	\$ 23,886.09
Amortization (15 Years Straight Line)	\$ -	\$ -	\$ 1,972.03	\$ 7,238.08	\$ 14,675.98	\$ 20,518.97
Closing Accumulated Amortization	\$ -	\$ -	\$ 1,972.03	\$ 9,210.11	\$ 23,886.09	\$ 44,405.06
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ 57,188.98	\$ 148,771.30	\$ 258,411.91
Closing Net Fixed Assets	\$ -	\$ -	\$ 57,188.98	\$ 148,771.30	\$ 258,411.91	\$ 288,866.02
Average Net Fixed Assets	\$ -	\$ -	\$ 28,594.49	\$ 102,980.14	\$ 203,591.60	\$ 273,638.96

Net Fixed Assets - Computer Hardware

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization (10 Years Straight Line)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Net Fixed Assets - Computer Software

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Year 1 (5 Years Straight Line)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Net Fixed Assets - Tools & Equipment

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ 3,179.04	\$ 9,765.45
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ 3,179.04	\$ 6,586.41	\$ 2,996.72
Closing Capital Investment	\$ -	\$ -	\$ -	\$ 3,179.04	\$ 9,765.45	\$ 12,762.17
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ 158.95	\$ 806.18
Amortization Year 1 (10 Years Straight Line)	\$ -	\$ -	\$ -	\$ 158.95	\$ 647.22	\$ 1,126.38
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ 158.95	\$ 806.18	\$ 1,932.56
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ 3,020.09	\$ 8,959.27
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ 3,020.09	\$ 8,959.27	\$ 10,829.61
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ 1,510.04	\$ 5,989.68	\$ 9,894.44

Sheet 6. Avg Net Fixed Assets & UCC

Net Fixed Assets - Other Equipment

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Investment (3. LDC Assumptions and Data)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Capital Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Year 1 (10 Years Straight Line)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Accumulated Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Opening Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Fixed Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

For PILs Calculation

UCC - Smart Meters

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening UCC	\$ -	\$ -	\$ -	\$ 56,794.57	\$ 147,118.59	\$ 254,693.03
Capital Additions	\$ -	\$ -	\$ 59,161.01	\$ 98,820.40	\$ 124,316.59	\$ 50,973.08
UCC Before Half Year Rule	\$ -	\$ -	\$ 59,161.01	\$ 155,614.97	\$ 271,435.18	\$ 305,666.11
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ 29,580.51	\$ 49,410.20	\$ 62,158.30	\$ 25,486.54
Reduced UCC	\$ -	\$ -	\$ 29,580.51	\$ 106,204.77	\$ 209,276.88	\$ 280,179.57
CCA Rate Class	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%
CCA	\$ -	\$ -	\$ 2,366.44	\$ 8,496.38	\$ 16,742.15	\$ 22,414.37
Closing UCC	\$ -	\$ -	\$ 56,794.57	\$ 147,118.59	\$ 254,693.03	\$ 283,251.74

UCC - Computer Equipment

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	45	50	50	50	50	50
CCA Rate	45%	55%	55%	55%	55%	55%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

UCC - General Equipment

	2006	2007	2008	2009	2010	2011
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 2,861.14	\$ 8,216.68
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ 3,179.04	\$ 6,586.41	\$ 2,996.72
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 3,179.04	\$ 9,447.55	\$ 11,213.40
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 1,589.52	\$ 3,293.21	\$ 1,498.36
Reduced UCC	\$ -	\$ -	\$ -	\$ 1,589.52	\$ 6,154.34	\$ 9,715.04
CCA Rate Class	8	8	8	8	8	8
CCA Rate	20%	20%	20%	20%	20%	20%
CCA	\$ -	\$ -	\$ -	\$ 317.90	\$ 1,230.87	\$ 1,943.01
Closing UCC	\$ -	\$ -	\$ -	\$ 2,861.14	\$ 8,216.68	\$ 9,270.39

Sheet 7. Smart Meter Funding Adder Collected

Date	Opening	Fund Adder	Int. Rate	Interest	Closing
Jan-06	\$ -	\$ -	0.00%	\$ -	\$ -
Feb-06	\$ -	\$ -	0.00%	\$ -	\$ -
Mar-06	\$ -	\$ -	0.00%	\$ -	\$ -
Apr-06	\$ -	\$ -	4.14%	\$ -	\$ -
May-06	\$ -	\$ -	4.14%	\$ -	\$ -
Jun-06	\$ -	\$ -	4.14%	\$ -	\$ -
Jul-06	\$ -	\$ -	4.59%	\$ -	\$ -
Aug-06	\$ -	\$ -	4.59%	\$ -	\$ -
Sep-06	\$ -	\$ -	4.59%	\$ -	\$ -
Oct-06	\$ -	\$ -	4.59%	\$ -	\$ -
Nov-06	\$ -	\$ -	4.59%	\$ -	\$ -
Dec-06	\$ -	\$ -	4.59%	\$ -	\$ -
Jan-07	\$ -	\$ -	4.59%	\$ -	\$ -
Feb-07	\$ -	\$ -	4.59%	\$ -	\$ -
Mar-07	\$ -	\$ -	4.59%	\$ -	\$ -
Apr-07	\$ -	\$ -	4.59%	\$ -	\$ -
May-07	\$ -	\$ -	4.59%	\$ -	\$ -
Jun-07	\$ -	\$ -	4.59%	\$ -	\$ -
Jul-07	\$ -	\$ -	4.59%	\$ -	\$ -
Aug-07	\$ -	\$ -	4.59%	\$ -	\$ -
Sep-07	\$ -	\$ -	4.59%	\$ -	\$ -
Oct-07	\$ -	\$ -	5.14%	\$ -	\$ -
Nov-07	\$ -	\$ -	5.14%	\$ -	\$ -
Dec-07	\$ -	\$ -	5.14%	\$ -	\$ -
Jan-08	\$ -	\$ -	5.14%	\$ -	\$ -
Feb-08	\$ -	\$ -	5.14%	\$ -	\$ -
Mar-08	\$ -	\$ -	5.14%	\$ -	\$ -
Apr-08	\$ -	\$ -	4.08%	\$ -	\$ -
May-08	\$ -	\$ -	4.08%	\$ -	\$ -
Jun-08	\$ -	\$ -	4.08%	\$ -	\$ -
Jul-08	\$ -	\$ -	3.35%	\$ -	\$ -
Aug-08	\$ -	\$ -	3.35%	\$ -	\$ -
Sep-08	\$ -	\$ -	3.35%	\$ -	\$ -
Oct-08	\$ -	\$ -	3.35%	\$ -	\$ -
Nov-08	\$ -	\$ -	3.35%	\$ -	\$ -
Dec-08	\$ -	\$ -	3.35%	\$ -	\$ -
Jan-09	\$ -	\$ -	2.45%	\$ -	\$ -
Feb-09	\$ -	\$ -	2.45%	\$ -	\$ -
Mar-09	\$ -	\$ -	2.45%	\$ -	\$ -
Apr-09	\$ -	\$ -	1.00%	\$ -	\$ -
May-09	\$ -	\$ 8,392	1.00%	\$ -	\$ 8,392
Jun-09	\$ 8,392	\$ 8,392	1.00%	\$ 7	\$ 16,790
Jul-09	\$ 16,790	\$ 8,392	0.55%	\$ 8	\$ 25,189
Aug-09	\$ 25,189	\$ 8,392	0.55%	\$ 12	\$ 33,593
Sep-09	\$ 33,593	\$ 8,392	0.55%	\$ 15	\$ 42,000
Oct-09	\$ 42,000	\$ 8,392	0.55%	\$ 19	\$ 50,410
Nov-09	\$ 50,410	\$ 8,392	0.55%	\$ 23	\$ 58,825
Dec-09	\$ 58,825	\$ 8,392	0.55%	\$ 27	\$ 67,244
Jan-10	\$ 67,244	\$ 8,392	0.55%	\$ 31	\$ 75,666
Feb-10	\$ 75,666	\$ 8,392	0.55%	\$ 35	\$ 84,092
Mar-10	\$ 84,092	\$ 8,392	0.55%	\$ 39	\$ 92,523
Apr-10	\$ 92,523	\$ 8,392	0.55%	\$ 42	\$ 100,957
May-10	\$ 100,957	\$ 8,392	0.55%	\$ 46	\$ 109,394
Jun-10	\$ 109,394	\$ 8,392	0.55%	\$ 50	\$ 117,836
Jul-10	\$ 117,836	\$ 8,392	0.89%	\$ 87	\$ 126,315
Aug-10	\$ 126,315	\$ 8,392	0.89%	\$ 94	\$ 134,800
Sep-10	\$ 134,800	\$ 8,392	0.89%	\$ 100	\$ 143,292
Oct-10	\$ 143,292	\$ 8,392	0.89%	\$ 106	\$ 151,790
Nov-10	\$ 151,790	\$ 8,392	0.89%	\$ 113	\$ 160,294
Dec-10	\$ 160,294	\$ 8,392	0.89%	\$ 119	\$ 168,805
Jan-11	\$ 168,805	\$ 8,392	0.89%	\$ 125	\$ 177,321
Feb-11	\$ 177,321	\$ 8,392	0.89%	\$ 132	\$ 185,845
Mar-11	\$ 185,845	\$ 8,392	0.89%	\$ 138	\$ 194,374
Apr-11	\$ 194,374	\$ 8,392	0.89%	\$ 144	\$ 202,910
May-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Jun-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Jul-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Aug-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Sep-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Oct-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Nov-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Dec-11	\$ 202,910	\$ -		\$ -	\$ 202,910
Jan-12	\$ 202,910	\$ -		\$ -	\$ 202,910
Feb-12	\$ 202,910	\$ -		\$ -	\$ 202,910
Mar-12	\$ 202,910	\$ -		\$ -	\$ 202,910
Apr-12	\$ 202,910	\$ -		\$ -	\$ 202,910
May-12	\$ 202,910	\$ -		\$ -	\$ 202,910
		<u>\$ 201,398</u>		<u>\$ 1,511</u>	

	Approved Deferral and Variance Accounts	CWIP Account
	Prescribed Interest Rate (per the Bankers' Acceptances-3 months Plus 0.25 Spread)	Prescribed Interest Rate (per the DEX Mid Term Corporate Bond Index Yield 2)
Q2 2006	4.14	4.68
Q3 2006	4.59	5.05
Q4 2006	4.59	4.72
Q1 2007	4.59	4.72
Q2 2007	4.59	4.72
Q3 2007	4.59	5.18
Q4 2007	5.14	5.18
Q1 2008	5.14	5.18
Q2 2008	4.08	5.18
Q3 2008	3.35	5.43
Q4 2008	3.35	5.43
Q1 2009	2.45	6.61
Q2 2009	1.00	6.61
Q3 2009	0.55	5.67
Q4 2009	0.55	4.66
Q1 2010	0.55	4.34
Q2 2010	0.55	4.34
Q3 2010	0.89	4.66

Sheet 8 Applied for Smart Meter Rate Adder

Description	Amount
Revenue Requirement - 2006	\$ -
Revenue Requirement - 2007	\$ -
Revenue Requirement - 2008	\$ 67,170.44
Revenue Requirement - 2009	\$ 91,448.74
Revenue Requirement - 2010	\$ 69,197.77
Revenue Requirement - 2011	\$ 61,484.19
Total Revenue Requirement	<u>\$ 289,301.15</u>
Smart Meter Rate Adder Collected	-\$ 201,398.40
Carrying Cost / Interest	-\$ 1,511.31
Proposed Smart Meter Recovery	<u>\$ 86,391.44</u>
2011 Expected Metered Customers	6989
Proposed Smart Meter Rate Adder	\$ 1.03

RTSR Adjustment



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Version : 1.0

LDC Information

Applicant Name	Middlesex Power Distribution Corporation - Middlesex
OEB Application Number	EB-2010-0098
LDC Licence Number	ED-2003-0059
Application Type	IRM2



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Version : 1.0

Table of Contents

Sheet Name	Purpose of Sheet
A1.1 LDC Information	Enter LDC Data
A2.1 Table of Contents	Table of Contents
B1.1 Rate Class And RTSR Rates	Enter Rate Class And RTSR Rates
B1.2 Dist Billing Determinants	Enter Distributor Billing Determinants
B1.3 UTR's and Sub-Transmission	Current and Forecasted UTR's and Hydro One Sub-Transmission Rates
C1.1 Historical Wholesale	Enter Historical Wholesale Transmission
C1.2 Current Wholesale	Calculates Current Wholesale Transmission
C1.3 Forecast Wholesale	Calculates Forecast Wholesale Transmission
D1.1 Adj Network to Curr Whsl	Calculates the Adjustment for RTSR-Network needed to recover Current Wholesale
D1.2 Adj Conn to Curr Whsl	Calculates the Adjustment for RTSR-Connection needed to recover Current Wholesale
E1.1 Adj Network to Fcst Whsl	Calculates the Adjustment for RTSR-Network needed to recover Forecast Wholesale
E1.2 Adj Conn to Fcst Whsl	Calculates the Adjustment for RTSR-Connection needed to recover Forecast Wholesale
F1.1 IRM RTSR Adj - Network	Calculates the IRM RTSR Adjustment Calculation - Network for Rate Generator
F1.2 IRM RTSR Adj - Connection	Calculates the IRM RTSR Adjustment Calculation - Connection for Rate Generator



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
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Rate Class And 2010 RTSR Rates

Enter Rate Group and Rate Class in the same order as listed on your current Tariff sheet and Rate Generator.

Enter the RTSR-Network and RTSR-Connection rates as approved on your current Tariff sheet.

Rate Group	Rate Class	Vol Metric	RTSR - Network	RTSR - Connection
RES	Residential	kWh	0.0058	0.0047
GSLT50	General Service Less Than 50 kW	kWh	0.0053	0.0042
GSGT50	General Service 50 to 499 kW	kW	2.1259	1.6890
LU	Large Use	kW	2.5001	2.1174
USL	Unmetered Scattered Load	kWh	0.0053	0.0042
Sen	Sentinel Lighting	kW	1.6113	1.3331
SL	Street Lighting	kW	1.6030	1.3057
NA	Rate Class 8	NA		
NA	Rate Class 9	NA		
NA	Rate Class 10	NA		
NA	Rate Class 11	NA		
NA	Rate Class 12	NA		
NA	Rate Class 13	NA		
NA	Rate Class 14	NA		
NA	Rate Class 15	NA		
NA	Rate Class 16	NA		
NA	Rate Class 17	NA		
NA	Rate Class 18	NA		
NA	Rate Class 19	NA		
NA	Rate Class 20	NA		
NA	Rate Class 21	NA		
NA	Rate Class 22	NA		
NA	Rate Class 23	NA		
NA	Rate Class 24	NA		
NA	Rate Class 25	NA		



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
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2009 Distributor Billing Determinants

Enter the most recently reported RRR billing determinants

Loss Adjusted Metered kWh Yes

Loss Adjusted Metered kW No

Rate Class	Vol Metric	Metered kWh A	Metered kW B	Applicable Loss Factor C	Load Factor D = A / (B * 730)	Loss Adjusted Billed kWh E = A * C
Residential	kWh	56,192,789	0	1.0608		59,609,311
General Service Less Than 50 kW	kWh	18,279,724	0	1.0608		19,391,131
General Service 50 to 499 kW	kW	84,572,093	231,274	1.0608	50.12%	89,714,076
Large Use	kW	17,181,839	38,952	1.0045	60.46%	17,259,157
Unmetered Scattered Load	kWh	304,425		1.0608		322,934
Sentinel Lighting	kW	42,498	119	1.0608	48.95%	45,082
Street Lighting	kW	1,464,757	4,656	1.0608	43.12%	1,553,814
Total		178,038,125	275,001			187,895,505



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
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Uniform Transmission and Hydro One Sub-Transmission Rates

Uniform Transmission Rates

Rate Description	Vol Metric	Effective January 1, 2009	Effective July 1, 2009	Effective January 1, 2010	Effective January 1, 2011
		Rate	Rate	Rate	Rate
Network Service Rate	kW	\$ 2.57	\$ 2.66	\$ 2.97	\$ 2.97
Line Connection Service Rate	kW	\$ 0.70	\$ 0.70	\$ 0.73	\$ 0.73
Transformation Connection Service Rate	kW	\$ 1.62	\$ 1.57	\$ 1.71	\$ 1.71

Hydro One Sub-Transmission Rates

Rate Description	Vol Metric	Effective May 1, 2008	Effective May 1, 2009	Effective May 1, 2010	Effective May 1, 2011
		Rate	Rate	Rate	Rate
Network Service Rate	kW	\$ 2.01	\$ 2.24	\$ 2.65	\$ 2.65
Line Connection Service Rate	kW	\$ 0.50	\$ 0.60	\$ 0.64	\$ 0.64
Transformation Connection Service Rate	kW	\$ 1.38	\$ 1.39	\$ 1.50	\$ 1.50
Both Line and Transformation Connection Service Rate	kW	\$ 1.88	\$ 1.99	\$ 2.14	\$ 2.14

Hydro One Sub-Transmission Rate Rider 6A

Rate Description	Vol Metric	Effective May 1, 2008	Effective May 1, 2009	Effective May 1, 2010	Effective May 1, 2011
		Rate	Rate	Rate	Rate
RSVA Transmission network – 4714 – which affects 1584	kW	\$ -	\$ -	\$ 0.0470	\$ 0.0470
RSVA Transmission connection – 4716 – which affects 1586	kW	\$ -	\$ -	-\$ 0.0250	-\$ 0.0250
RSVA LV – 4750 – which affects 1550	kW	\$ -	\$ -	\$ 0.0580	\$ 0.0580
RARA 1 – 2252 – which affects 1590	kW	\$ -	\$ -	-\$ 0.0750	-\$ 0.0750
Hydro One Sub-Transmission Rate Rider 6A	kW	\$ -	\$ -	\$ 0.0050	\$ 0.0050



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Version : 1.0

2009 Historical Wholesale Transmission

Enter billing detail for wholesale transmission for the same reporting period as the billing determinants on sheet B1.2.

IESO

Month	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	18,419	\$2.57	\$ 47,337	19,411	\$0.70	\$ 13,588	19,411	\$1.62	\$ 31,446	\$ 45,034
February	19,469	\$2.57	\$ 50,035	19,977	\$0.70	\$ 13,984	19,977	\$1.62	\$ 32,363	\$ 46,347
March	19,076	\$2.57	\$ 49,025	19,076	\$0.70	\$ 13,353	19,076	\$1.62	\$ 30,903	\$ 44,256
April	17,727	\$2.57	\$ 45,558	17,954	\$0.70	\$ 12,568	17,954	\$1.62	\$ 29,085	\$ 41,653
May	16,561	\$2.57	\$ 42,562	16,770	\$0.70	\$ 11,739	16,770	\$1.62	\$ 27,167	\$ 38,906
June	25,626	\$2.57	\$ 65,859	25,626	\$0.70	\$ 17,938	25,626	\$1.62	\$ 41,514	\$ 59,452
July	17,681	\$2.66	\$ 47,031	20,799	\$0.70	\$ 14,559	20,799	\$1.57	\$ 32,654	\$ 47,214
August	22,004	\$2.66	\$ 58,531	22,004	\$0.70	\$ 15,403	22,004	\$1.57	\$ 34,546	\$ 49,949
September	17,741	\$2.66	\$ 47,191	18,869	\$0.70	\$ 13,208	18,869	\$1.57	\$ 29,624	\$ 42,833
October	16,373	\$2.66	\$ 43,552	16,814	\$0.70	\$ 11,770	16,814	\$1.57	\$ 26,398	\$ 38,168
November	26,847	\$2.66	\$ 71,413	26,847	\$0.70	\$ 18,793	26,847	\$1.57	\$ 42,150	\$ 60,943
December	22,879	\$2.66	\$ 60,858	26,917	\$0.70	\$ 18,842	26,917	\$1.57	\$ 42,260	\$ 61,102
Total	240,403	\$2.62	\$628,953	251,064	\$0.70	\$175,745	251,064	\$1.59	\$400,111	\$575,856

Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	9,538	\$2.01	\$ 19,171	7,361	\$0.50	\$ 3,681	9,621	\$1.38	\$ 13,277	\$ 16,957
February	9,350	\$2.01	\$ 18,794	7,287	\$0.50	\$ 3,644	9,352	\$1.38	\$ 12,906	\$ 16,549
March	8,639	\$2.01	\$ 17,364	6,966	\$0.50	\$ 3,483	8,838	\$1.38	\$ 12,196	\$ 15,679
April	9,313	\$2.01	\$ 18,719	7,604	\$0.50	\$ 3,802	9,313	\$1.38	\$ 12,852	\$ 16,654
May	7,204	\$2.05	\$ 14,747	5,835	\$0.52	\$ 3,012	7,204	\$1.38	\$ 9,953	\$ 12,964
June	10,180	\$2.24	\$ 22,804	7,819	\$0.60	\$ 4,691	10,180	\$1.39	\$ 14,151	\$ 18,842
July	15,485	\$2.24	\$ 34,686	7,877	\$0.60	\$ 4,726	15,485	\$1.39	\$ 21,524	\$ 26,250
August	15,992	\$2.24	\$ 35,822	7,674	\$0.60	\$ 4,604	15,992	\$1.39	\$ 22,229	\$ 26,833
September	13,281	\$2.24	\$ 29,749	7,185	\$0.60	\$ 4,311	13,281	\$1.39	\$ 18,487	\$ 22,798
October	14,006	\$2.24	\$ 31,374	7,120	\$0.60	\$ 4,272	14,006	\$1.39	\$ 19,468	\$ 23,740
November	13,946	\$2.24	\$ 31,239	7,341	\$0.60	\$ 4,405	13,946	\$1.39	\$ 19,385	\$ 23,789
December	14,618	\$2.24	\$ 32,745	7,543	\$0.60	\$ 4,526	14,618	\$1.39	\$ 20,320	\$ 24,845
Total	141,552	\$2.17	\$307,214	87,612	\$0.56	\$ 49,156	141,836	\$1.39	\$196,747	\$245,903

Total

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	27,957	\$2.38	\$ 66,508	26,772	\$0.65	\$ 17,268	29,032	\$1.54	\$ 44,723	\$ 61,991
February	28,819	\$2.39	\$ 68,829	27,264	\$0.65	\$ 17,627	29,329	\$1.54	\$ 45,269	\$ 62,896
March	27,715	\$2.40	\$ 66,390	26,042	\$0.65	\$ 16,836	27,914	\$1.54	\$ 43,100	\$ 59,936
April	27,040	\$2.38	\$ 64,278	25,558	\$0.64	\$ 16,370	27,267	\$1.54	\$ 41,937	\$ 58,307
May	23,765	\$2.41	\$ 57,309	22,605	\$0.65	\$ 14,751	23,974	\$1.55	\$ 37,120	\$ 51,871
June	35,806	\$2.48	\$ 88,663	33,445	\$0.68	\$ 22,630	35,806	\$1.55	\$ 55,665	\$ 78,294
July	33,166	\$2.46	\$ 81,717	28,676	\$0.67	\$ 19,286	36,284	\$1.49	\$ 54,178	\$ 73,464
August	37,996	\$2.48	\$ 94,353	29,678	\$0.67	\$ 20,007	37,996	\$1.49	\$ 56,775	\$ 76,782
September	31,022	\$2.48	\$ 76,940	26,054	\$0.67	\$ 17,519	32,150	\$1.50	\$ 48,111	\$ 65,631
October	30,379	\$2.47	\$ 74,926	23,934	\$0.67	\$ 16,042	30,820	\$1.49	\$ 45,866	\$ 61,908
November	40,793	\$2.52	\$102,652	34,188	\$0.68	\$ 23,198	40,793	\$1.51	\$ 61,535	\$ 84,732
December	37,497	\$2.50	\$ 93,603	34,460	\$0.68	\$ 23,368	41,535	\$1.51	\$ 62,579	\$ 85,947
Total	381,955	\$2.45	\$936,167	338,676	\$0.66	\$224,901	392,900	\$1.52	\$596,858	\$821,759



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
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Current Wholesale Transmission

The purpose of this sheet is to calculate the expected billing when current 2010 UTR rates are applied against historical (2009) transmission units.

IESO

Month	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	18,419	\$2.9700	\$ 54,704	19,411	\$0.7300	\$ 14,170	19,411	\$1.7100	\$ 33,193	\$ 47,363
February	19,469	\$2.9700	\$ 57,823	19,977	\$0.7300	\$ 14,583	19,977	\$1.7100	\$ 34,161	\$ 48,744
March	19,076	\$2.9700	\$ 56,656	19,076	\$0.7300	\$ 13,925	19,076	\$1.7100	\$ 32,620	\$ 46,545
April	17,727	\$2.9700	\$ 52,649	17,954	\$0.7300	\$ 13,106	17,954	\$1.7100	\$ 30,701	\$ 43,808
May	16,561	\$2.9700	\$ 49,186	16,770	\$0.7300	\$ 12,242	16,770	\$1.7100	\$ 28,677	\$ 40,919
June	25,626	\$2.9700	\$ 76,109	25,626	\$0.7300	\$ 18,707	25,626	\$1.7100	\$ 43,820	\$ 62,527
July	17,681	\$2.9700	\$ 52,513	20,799	\$0.7300	\$ 15,183	20,799	\$1.7100	\$ 35,566	\$ 50,750
August	22,004	\$2.9700	\$ 65,352	22,004	\$0.7300	\$ 16,063	22,004	\$1.7100	\$ 37,627	\$ 53,690
September	17,741	\$2.9700	\$ 52,691	18,869	\$0.7300	\$ 13,774	18,869	\$1.7100	\$ 32,266	\$ 46,040
October	16,373	\$2.9700	\$ 48,628	16,814	\$0.7300	\$ 12,274	16,814	\$1.7100	\$ 28,752	\$ 41,026
November	26,847	\$2.9700	\$ 79,736	26,847	\$0.7300	\$ 19,598	26,847	\$1.7100	\$ 45,908	\$ 65,507
December	22,879	\$2.9700	\$ 67,951	26,917	\$0.7300	\$ 19,649	26,917	\$1.7100	\$ 46,028	\$ 65,677
Total	240,403	\$2.9700	\$ 713,997	251,064	\$0.7300	\$183,277	251,064	\$1.7100	\$429,319	\$612,596

Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
	Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell K48			Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell K50						
January	9,538	\$2.6970	\$ 25,724	7,361	\$0.6150	\$ 4,527	9,621	\$1.5000	\$ 14,432	\$ 18,959
February	9,350	\$2.6970	\$ 25,217	7,287	\$0.6150	\$ 4,482	9,352	\$1.5000	\$ 14,028	\$ 18,510
March	8,639	\$2.6970	\$ 23,299	6,966	\$0.6150	\$ 4,284	8,838	\$1.5000	\$ 13,257	\$ 17,541
April	9,313	\$2.6970	\$ 25,117	7,604	\$0.6150	\$ 4,676	9,313	\$1.5000	\$ 13,970	\$ 18,646
May	7,204	\$2.6970	\$ 19,429	5,835	\$0.6150	\$ 3,589	7,204	\$1.5000	\$ 10,806	\$ 14,395
June	10,180	\$2.6970	\$ 27,455	7,819	\$0.6150	\$ 4,809	10,180	\$1.5000	\$ 15,270	\$ 20,079
July	15,485	\$2.6970	\$ 41,763	7,877	\$0.6150	\$ 4,844	15,485	\$1.5000	\$ 23,228	\$ 28,072
August	15,992	\$2.6970	\$ 43,130	7,674	\$0.6150	\$ 4,720	15,992	\$1.5000	\$ 23,988	\$ 28,708
September	13,281	\$2.6970	\$ 35,819	7,185	\$0.6150	\$ 4,419	13,281	\$1.5000	\$ 19,922	\$ 24,340
October	14,006	\$2.6970	\$ 37,774	7,120	\$0.6150	\$ 4,379	14,006	\$1.5000	\$ 21,009	\$ 25,388
November	13,946	\$2.6970	\$ 37,612	7,341	\$0.6150	\$ 4,515	13,946	\$1.5000	\$ 20,919	\$ 25,434
December	14,618	\$2.6970	\$ 39,425	7,543	\$0.6150	\$ 4,639	14,618	\$1.5000	\$ 21,927	\$ 26,566
Total	141,552	\$2.6970	\$ 381,766	87,612	\$0.6150	\$ 53,881	141,836	\$1.5000	\$212,754	\$266,635

Total

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	27,957	\$2.8769	\$ 80,428	26,772	\$0.6984	\$ 18,697	29,032	\$1.6404	\$ 47,624	\$ 66,321
February	28,819	\$2.8814	\$ 83,040	27,264	\$0.6993	\$ 19,065	29,329	\$1.6430	\$ 48,189	\$ 67,253
March	27,715	\$2.8849	\$ 79,955	26,042	\$0.6992	\$ 18,210	27,914	\$1.6435	\$ 45,877	\$ 64,087
April	27,040	\$2.8760	\$ 77,766	25,558	\$0.6958	\$ 17,783	27,267	\$1.6383	\$ 44,671	\$ 62,454
May	23,765	\$2.8872	\$ 68,615	22,605	\$0.7003	\$ 15,831	23,974	\$1.6469	\$ 39,483	\$ 55,313
June	35,806	\$2.8924	\$ 103,565	33,445	\$0.7031	\$ 23,516	35,806	\$1.6503	\$ 59,090	\$ 82,606
July	33,166	\$2.8425	\$ 94,276	28,676	\$0.6984	\$ 20,028	36,284	\$1.6204	\$ 58,794	\$ 78,821
August	37,996	\$2.8551	\$ 108,482	29,678	\$0.7003	\$ 20,782	37,996	\$1.6216	\$ 61,615	\$ 82,397
September	31,022	\$2.8531	\$ 88,510	26,054	\$0.6983	\$ 18,193	32,150	\$1.6233	\$ 52,187	\$ 70,381
October	30,379	\$2.8441	\$ 86,402	23,934	\$0.6958	\$ 16,653	30,820	\$1.6146	\$ 49,761	\$ 66,414
November	40,793	\$2.8767	\$ 117,348	34,188	\$0.7053	\$ 24,113	40,793	\$1.6382	\$ 66,827	\$ 90,940
December	37,497	\$2.8636	\$ 107,375	34,460	\$0.7048	\$ 24,288	41,535	\$1.6361	\$ 67,955	\$ 92,243
Total	381,955	\$2.8688	\$1,095,763	338,676	\$0.7003	\$237,158	392,900	\$1.6342	\$642,073	\$879,232



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Version : 1.0

Forecast Wholesale Transmission

The purpose of this sheet is to calculate the expected billing when forecasted 2011 UTR rates are applied against historical (2009) transmission units.

IESO

Month	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	18,419	\$2.9700	\$ 54,704	19,411	\$0.7300	\$ 14,170	19,411	\$1.7100	\$ 33,193	\$ 47,363
February	19,469	\$2.9700	\$ 57,823	19,977	\$0.7300	\$ 14,583	19,977	\$1.7100	\$ 34,161	\$ 48,744
March	19,076	\$2.9700	\$ 56,656	19,076	\$0.7300	\$ 13,925	19,076	\$1.7100	\$ 32,620	\$ 46,545
April	17,727	\$2.9700	\$ 52,649	17,954	\$0.7300	\$ 13,106	17,954	\$1.7100	\$ 30,701	\$ 43,808
May	16,561	\$2.9700	\$ 49,186	16,770	\$0.7300	\$ 12,242	16,770	\$1.7100	\$ 28,677	\$ 40,919
June	25,626	\$2.9700	\$ 76,109	25,626	\$0.7300	\$ 18,707	25,626	\$1.7100	\$ 43,820	\$ 62,527
July	17,681	\$2.9700	\$ 52,513	20,799	\$0.7300	\$ 15,183	20,799	\$1.7100	\$ 35,566	\$ 50,750
August	22,004	\$2.9700	\$ 65,352	22,004	\$0.7300	\$ 16,063	22,004	\$1.7100	\$ 37,627	\$ 53,690
September	17,741	\$2.9700	\$ 52,691	18,869	\$0.7300	\$ 13,774	18,869	\$1.7100	\$ 32,266	\$ 46,040
October	16,373	\$2.9700	\$ 48,628	16,814	\$0.7300	\$ 12,274	16,814	\$1.7100	\$ 28,752	\$ 41,026
November	26,847	\$2.9700	\$ 79,736	26,847	\$0.7300	\$ 19,598	26,847	\$1.7100	\$ 45,908	\$ 65,507
December	22,879	\$2.9700	\$ 67,951	26,917	\$0.7300	\$ 19,649	26,917	\$1.7100	\$ 46,028	\$ 65,677
Total	240,403	\$2.9700	\$ 713,997	251,064	\$0.7300	\$183,277	251,064	\$1.7100	\$429,319	\$612,596

Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
	Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell M48			Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell M50						
January	9,538	\$2.6970	\$ 25,724	7,361	\$0.6150	\$ 4,527	9,621	\$1.5000	\$ 14,432	\$ 18,959
February	9,350	\$2.6970	\$ 25,217	7,287	\$0.6150	\$ 4,482	9,352	\$1.5000	\$ 14,028	\$ 18,510
March	8,639	\$2.6970	\$ 23,299	6,966	\$0.6150	\$ 4,284	8,838	\$1.5000	\$ 13,257	\$ 17,541
April	9,313	\$2.6970	\$ 25,117	7,604	\$0.6150	\$ 4,676	9,313	\$1.5000	\$ 13,970	\$ 18,646
May	7,204	\$2.6970	\$ 19,429	5,835	\$0.6150	\$ 3,589	7,204	\$1.5000	\$ 10,806	\$ 14,395
June	10,180	\$2.6970	\$ 27,455	7,819	\$0.6150	\$ 4,809	10,180	\$1.5000	\$ 15,270	\$ 20,079
July	15,485	\$2.6970	\$ 41,763	7,877	\$0.6150	\$ 4,844	15,485	\$1.5000	\$ 23,228	\$ 28,072
August	15,992	\$2.6970	\$ 43,130	7,674	\$0.6150	\$ 4,720	15,992	\$1.5000	\$ 23,988	\$ 28,708
September	13,281	\$2.6970	\$ 35,819	7,185	\$0.6150	\$ 4,419	13,281	\$1.5000	\$ 19,922	\$ 24,340
October	14,006	\$2.6970	\$ 37,774	7,120	\$0.6150	\$ 4,379	14,006	\$1.5000	\$ 21,009	\$ 25,388
November	13,946	\$2.6970	\$ 37,612	7,341	\$0.6150	\$ 4,515	13,946	\$1.5000	\$ 20,919	\$ 25,434
December	14,618	\$2.6970	\$ 39,425	7,543	\$0.6150	\$ 4,639	14,618	\$1.5000	\$ 21,927	\$ 26,566
Total	141,552	\$2.6970	\$ 381,766	87,612	\$0.6150	\$ 53,881	141,836	\$1.5000	\$212,754	\$266,635

Total

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	27,957	\$2.8769	\$ 80,428	26,772	\$0.6984	\$ 18,697	29,032	\$1.6404	\$ 47,624	\$ 66,321
February	28,819	\$2.8814	\$ 83,040	27,264	\$0.6993	\$ 19,065	29,329	\$1.6430	\$ 48,189	\$ 67,253
March	27,715	\$2.8849	\$ 79,955	26,042	\$0.6992	\$ 18,210	27,914	\$1.6435	\$ 45,877	\$ 64,087
April	27,040	\$2.8760	\$ 77,766	25,558	\$0.6958	\$ 17,783	27,267	\$1.6383	\$ 44,671	\$ 62,454
May	23,765	\$2.8872	\$ 68,615	22,605	\$0.7003	\$ 15,831	23,974	\$1.6469	\$ 39,483	\$ 55,313
June	35,806	\$2.8924	\$ 103,565	33,445	\$0.7031	\$ 23,516	35,806	\$1.6503	\$ 59,090	\$ 82,606
July	33,166	\$2.8425	\$ 94,276	28,676	\$0.6984	\$ 20,028	36,284	\$1.6204	\$ 58,794	\$ 78,821
August	37,996	\$2.8551	\$ 108,482	29,678	\$0.7003	\$ 20,782	37,996	\$1.6216	\$ 61,615	\$ 82,397
September	31,022	\$2.8531	\$ 88,510	26,054	\$0.6983	\$ 18,193	32,150	\$1.6233	\$ 52,187	\$ 70,381
October	30,379	\$2.8441	\$ 86,402	23,934	\$0.6958	\$ 16,653	30,820	\$1.6146	\$ 49,761	\$ 66,414
November	40,793	\$2.8767	\$ 117,348	34,188	\$0.7053	\$ 24,113	40,793	\$1.6382	\$ 66,827	\$ 90,940
December	37,497	\$2.8636	\$ 107,375	34,460	\$0.7048	\$ 24,288	41,535	\$1.6361	\$ 67,955	\$ 92,243
Total	381,955	\$2.8688	\$1,095,763	338,676	\$0.7003	\$237,158	392,900	\$1.6342	\$642,073	\$879,232



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Version : 1.0

Adjust RTSR-Network to Current Network Wholesale

The purpose of this sheet is to re-align current RTSR-Network to recover current wholesale Network costs.

Rate Class	Vol Metric	Current RTSR - Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR - Network
		(A) Column H Sheet B1.1	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0058	59,609,311	0	\$ 345,734	33.02%	\$ 361,863	\$ 0.0061
General Service Less Than 50 kW	kWh	\$ 0.0053	19,391,131	0	\$ 102,773	9.82%	\$ 107,567	\$ 0.0055
General Service 50 to 499 kW	kW	\$ 2.1259	89,714,076	231,274	\$ 491,665	46.96%	\$ 514,602	\$ 2.2251
Large Use	kW	\$ 2.5001	17,259,157	38,952	\$ 97,384	9.30%	\$ 101,927	\$ 2.6167
Unmetered Scattered Load	kWh	\$ 0.0053	322,934		\$ 1,712	0.16%	\$ 1,791	\$ 0.0055
Sentinel Lighting	kW	\$ 1.6113	45,082	119	\$ 192	0.02%	\$ 201	\$ 1.6865
Street Lighting	kW	\$ 1.6030	1,553,814	4,656	\$ 7,464	0.71%	\$ 7,812	\$ 1.6778
			187,895,505	275,001	\$ 1,046,923	100.00%	\$ 1,095,763	
					(E)		(G) Cell G73 Sheet C1.2	



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Version : 1.0

Adjust RTSR-Connection to Current Connection Wholesale

The purpose of this sheet is to re-align current RTSR-Connection to recover current wholesale Connection costs.

Rate Class	Vol Metric	Current RTSR - Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR - Connection
		(A) Column J Sheet B1.1	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0047	59,609,311	0	\$ 280,164	33.26%	\$ 292,448	\$ 0.0049
General Service Less Than 50 kW	kWh	\$ 0.0042	19,391,131	0	\$ 81,443	9.67%	\$ 85,014	\$ 0.0044
General Service 50 to 499 kW	kW	\$ 1.6890	89,714,076	231,274	\$ 390,622	46.38%	\$ 407,749	\$ 1.7631
Large Use	kW	\$ 2.1174	17,259,157	38,952	\$ 82,477	9.79%	\$ 86,093	\$ 2.2102
Unmetered Scattered Load	kWh	\$ 0.0042	322,934		\$ 1,356	0.16%	\$ 1,416	\$ 0.0044
Sentinel Lighting	kW	\$ 1.3331	45,082	119	\$ 159	0.02%	\$ 166	\$ 1.3916
Street Lighting	kW	\$ 1.3057	1,553,814	4,656	\$ 6,079	0.72%	\$ 6,346	\$ 1.3630
			187,895,505	275,001	\$ 842,300	100.00%	\$ 879,232	
					(E)		(G) Cell Q73 Sheet C1.2	



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Version : 1.0

Adjust RTSR-Network to Forecast Network Wholesale

The purpose of this sheet is to update re-aligned RTSR-Network rates to recover forecast wholesale Network costs.

Rate Class	Vol Metric	Adjusted RTSR - Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR - Network
		(A) Column S Sheet D1.1	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0061	59,609,311	0	\$ 361,863	33.02%	\$ 361,863	\$ 0.0061
General Service Less Than 50 kW	kWh	\$ 0.0055	19,391,131	0	\$ 107,567	9.82%	\$ 107,567	\$ 0.0055
General Service 50 to 499 kW	kW	\$ 2.2251	89,714,076	231,274	\$ 514,602	46.96%	\$ 514,602	\$ 2.2251
Large Use	kW	\$ 2.6167	17,259,157	38,952	\$ 101,927	9.30%	\$ 101,927	\$ 2.6167
Unmetered Scattered Load	kWh	\$ 0.0055	322,934		\$ 1,791	0.16%	\$ 1,791	\$ 0.0055
Sentinel Lighting	kW	\$ 1.6865	45,082	119	\$ 201	0.02%	\$ 201	\$ 1.6865
Street Lighting	kW	\$ 1.6778	1,553,814	4,656	\$ 7,812	0.71%	\$ 7,812	\$ 1.6778
			187,895,505	275,001	\$ 1,095,763	100.00%	\$ 1,095,763	
					(E)		Cell G73 Sheet C1.3	



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Version : 1.0

Adjust RTSR-Connection to Forecast Connection Wholesale

The purpose of this sheet is to update re-aligned RTSR-Connection rates to recover forecast wholesale Connection costs.

Rate Class	Vol Metric	Adjusted RTSR - Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR - Connection
		(A) Column S Sheet D1.2	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0049	59,609,311	0	\$ 292,448	33.26%	\$ 292,448	\$ 0.0049
General Service Less Than 50 kW	kWh	\$ 0.0044	19,391,131	0	\$ 85,014	9.67%	\$ 85,014	\$ 0.0044
General Service 50 to 499 kW	kW	\$ 1.7631	89,714,076	231,274	\$ 407,749	46.38%	\$ 407,749	\$ 1.7631
Large Use	kW	\$ 2.2102	17,259,157	38,952	\$ 86,093	9.79%	\$ 86,093	\$ 2.2102
Unmetered Scattered Load	kWh	\$ 0.0044	322,934		\$ 1,416	0.16%	\$ 1,416	\$ 0.0044
Sentinel Lighting	kW	\$ 1.3916	45,082	119	\$ 166	0.02%	\$ 166	\$ 1.3916
Street Lighting	kW	\$ 1.3630	1,553,814	4,656	\$ 6,346	0.72%	\$ 6,346	\$ 1.3630
			187,895,505	275,001	\$ 879,232	100.00%	\$ 879,232	
						(E)	Cell Q73 Sheet C1.3	



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098

IRM RTSR Adjustment Calculation - Network

The purpose of this sheet is to update re-aligned RTSR-Network rates to recover forecast wholesale Network costs.

Rate Class	Vol Metric	Current RTSR - Network	Proposed RTSR - Network	RTSR - Network Adjustment
		(A) Column H Sheet B1.1	(B) Column S Sheet E1.1	C = B - A
Residential	kWh	0.0058	0.0061	0.0003
General Service Less Than 50 kW	kWh	0.0053	0.0055	0.0002
General Service 50 to 499 kW	kW	2.1259	2.2251	0.0992
Large Use	kW	2.5001	2.6167	0.1166
Unmetered Scattered Load	kWh	0.0053	0.0055	0.0002
Sentinel Lighting	kW	1.6113	1.6865	0.0752
Street Lighting	kW	1.6030	1.6778	0.0748

Enter this value into column "G" on sheet "L1.1 Appl For TX Network" of the 2011 Rate Generator



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098

IRM RTSR Adjustment Calculation - Connection

The purpose of this sheet is to update re-aligned RTSR-Network rates to recover forecast wholesale Network costs.

Rate Class	Vol Metric	Current RTSR - Connection	Proposed RTSR - Connection	RTSR - Network Adjustment
		(A) Column J Sheet B1.1	(B) Column S Sheet E1.2	C = B - A
Residential	kWh	0.0047	0.0049	0.0002
General Service Less Than 50 kW	kWh	0.0042	0.0044	0.0002
General Service 50 to 499 kW	kW	1.6890	1.7631	0.0741
Large Use	kW	2.1174	2.2102	0.0928
Unmetered Scattered Load	kWh	0.0042	0.0044	0.0002
Sentinel Lighting	kW	1.3331	1.3916	0.0585
Street Lighting	kW	1.3057	1.3630	0.0573

Enter this value into column "G" on sheet "L2.1 Appl For TX Connect" of the 2011 Rate Generator

IRM Deferral Variance Account



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

LDC Information

Applicant Name	Middlesex Power Distribution Corporation - Middlesex
OEB Application Number	EB-2010-0098
LDC Licence Number	ED-2003-0059
Applied for Effective Date	May 1, 2011
Last COS Re-based Year	2006
Last COS OEB Application Number	0
Billing Determinants	2009 Audited RRR
Global Adjustment Elections	
Global Adjustment Recovery Separate Distribution Charge	Yes
Global Adjustment Recovery as Electricity Component	No



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Table of Contents

Sheet Name	Purpose of Sheet
A1.1 LDC Information	Enter LDC Data
A2.1 Table of Contents	Table of Contents
A3.1 Sheet Selection	Set up worksheets for data input
B1.3 Rate Class And Bill Det	Rate Class and 2008 Billing Determinants
C1.4 2010 Transfer to 1595 IRM	2011 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 IRM
D1.5 Def Var - Cont Sch 2009	Deferral Variance - Continuity Schedule 2009
D1.6 Def Var - Con Sch Final	Deferral Variance - Continuity Schedule Final
E1.1 Threshold Test	Threshold Test
F1.1 Cost Allocation kWh	Cost Allocation - kWh
F1.2 Cost Allocation Non-RPPkWh	Cost Allocation - Non-RPP kWh
F1.4 Cost Allocation 1595	Cost Allocation - 1595
G1.1a Calculation Rate Rider	Calculation of Deferral Variance Recovery Rate Rider without Global Adjustment
G1.1b Dist Glob Adj Rate Rider	Calculation of Delivery Component Global Adjustment Rate Rider
G1.2 Request for Clearance	Request for Clearance of Deferral and Variance Accounts



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Sheet Selection - Show / Hide

Sheet	Show / Hide	Purpose of Sheet
B1.1 2006 Reg Assets	Hide	To be used by distributor that has not previously disposed Deferral / Variance Accounts
B1.2 2006 Reg Ass Prop Shr	Hide	To be used by distributor that has not previously disposed Deferral / Variance Accounts
C1.0 2006 Reg Asset Recovery	Hide	To be used by distributor that has not previously disposed Deferral / Variance Accounts
C1.1 2008 Transfer to 1595 COS	Hide	To be used by distributor that disposed Deferral / Variance Accounts in a 2008 COS
C1.2 2009 Transfer to 1595 COS	Hide	To be used by distributor that disposed Deferral / Variance Accounts in a 2009 COS
C1.3 2010 Transfer to 1595 COS	Hide	To be used by distributor that disposed Deferral / Variance Accounts in a 2010 COS
C1.4 2010 Transfer to 1595 IRM	Show	To be used by distributor that disposed Deferral / Variance Accounts in a 2010 IRM
D1.1 Def Var - Cont Sch 2005	Hide	To be used by distributor that has not previously disposed 2005 Deferral / Variance Accounts
D1.2 Def Var - Cont Sch 2006	Hide	To be used by distributor that has not previously disposed 2006 Deferral / Variance Accounts
D1.3 Def Var - Cont Sch 2007	Hide	To be used by distributor that has not previously disposed 2007 Deferral / Variance Accounts
D1.4 Def Var - Cont Sch 2008	Hide	To be used by distributor that has not previously disposed 2008 Deferral / Variance Accounts
F1.3 Cost Allocation 1590	Hide	To be used by distributor that has not previously disposed of residual 1590 Account
F1.4 Cost Allocation 1595	Show	To be used by a 2008 COS distributor that is clearing its one year Deferral /Variance disposition rate rider



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Rate Class and Billing Determinants

				2009 Audited RRR		
Rate Group	Rate Class	Fixed Metric	Vol Metric	Metered kWh	Metered kW	Billed kWh for Non-RPP customers
RES	Residential	Customer	kWh	62,084,949		14,521,638
GSLT50	General Service Less Than 50 kW	Customer	kWh	22,167,783		3,644,434
GSGT50	General Service 50 to 4,999 kW	Customer	kWh	86,157,573	235,111	86,157,573
LU	Large Use	Customer	kWh	17,181,839	38,952	17,181,839
USL	Unmetered Scattered Load	Connection	kWh	304,425		
Sen	Sentinel Lighting	Connection	kWh	43,379	119	
SL	Street Lighting	Connection	kWh	1,642,663	5,162	169,067
NA	Rate Class 8	NA	NA			
NA	Rate Class 9	NA	NA			
NA	Rate Class 10	NA	NA			
NA	Rate Class 11	NA	NA			
NA	Rate Class 12	NA	NA			
NA	Rate Class 13	NA	NA			
NA	Rate Class 14	NA	NA			
NA	Rate Class 15	NA	NA			
NA	Rate Class 16	NA	NA			
NA	Rate Class 17	NA	NA			
NA	Rate Class 18	NA	NA			
NA	Rate Class 19	NA	NA			
NA	Rate Class 20	NA	NA			
NA	Rate Class 21	NA	NA			
NA	Rate Class 22	NA	NA			
NA	Rate Class 23	NA	NA			
NA	Rate Class 24	NA	NA			
NA	Rate Class 25	NA	NA			
						121,674,551



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Effective Date: May 1, 2011
 Version : 1.9

2010 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 IRM

Disposition Recovery Sunset Date
 April 30, 2011

Account Description	Account Number	Principal Amounts		Interest Amount	Total Balance
		A	B		
Group 1 Accounts					
LV Variance Account	1550	72,113.00		7,095.00	79,208.00
RSVA - Wholesale Market Service Charge	1580	(436,545.00)		(22,545.00)	(459,090.00)
RSVA - Retail Transmission Network Charge	1584	(141,599.00)		(17,077.00)	(158,676.00)
RSVA - Retail Transmission Connection Charge	1586	(63,937.00)		(11,151.00)	(75,088.00)
RSVA - Power (Excluding Global Adjustment)	1588	0.00		0.00	0.00
RSVA - Power (Global Adjustment Sub-account) - when not a separate rate rider	1588	0.00		0.00	0.00
Recovery of Regulatory Asset Balances	1590	(12,552.00)		(5,356.00)	(17,908.00)
Sub-Total - Group 1 Accounts		(582,520.00)		(49,034.00)	(631,554.00)
Board ordered disposition of immaterial amounts too small for rate riders					
IRM3 tax sharing z-factor		0.00		0.00	0.00
Disposition and recovery of Regulatory Balances Account	1595	582,520.00		49,034.00	631,554.00
Rate Rider Recovery					
Deferral Variance Recovery May 1, 2010 to December 31, 2010	1595	(149,451.00)		(12,580.00)	(162,031.00)
Deferral Variance Recovery Jan 1, 2011 to December 31, 2011	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2012 to December 31, 2012	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2013 to December 31, 2013	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2014 to December 31, 2014	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2015 to December 31, 2015	1595	0.00		0.00	0.00
Balance of Disposition and recovery of Regulatory Balances Account	1595	433,069.00		36,454.00	469,523.00
Global Adjustment as a separate Rate Rider					
RSVA - Power (Global Adjustment Sub-account) - when a separate rate rider	1588	217,469.00		16,855.00	234,324.00
Disposition and recovery of Regulatory Balances Account	1595	(217,469.00)		(16,855.00)	(234,324.00)
Rate Rider Recovery					
Deferral Variance Recovery May 1, 2010 to December 31, 2010	1595	47,174.00		3,657.00	50,831.00
Deferral Variance Recovery Jan 1, 2011 to December 31, 2011	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2012 to December 31, 2012	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2013 to December 31, 2013	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2014 to December 31, 2014	1595	0.00		0.00	0.00
Deferral Variance Recovery Jan 1, 2015 to December 31, 2015	1595	0.00		0.00	0.00
Balance of Disposition and recovery of Regulatory Balances Account	1595	(170,295.00)		(13,198.00)	(183,493.00)

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Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Effective Date: May 1, 2011
 Version : 1.9

Deferral Variance - Continuity Schedule 2009

Account Description	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions (additions) during 2009, excluding interest and adjustments ¹	Transactions (reductions) during 2009, excluding interest and adjustments ¹	Adjustments during 2009 - instructed by Board ²	Adjustments during 2009 - other ³	Transfer Residual Amount of US\$ 1595	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Transfer of Board-approved 2007 interest amounts to 1595 (2009 COS)	Closing Interest Amounts as of Dec-31-09	Total Closing Amounts as of Dec-31-09	Deferral Variance Disposition Balances as of Dec-31-09	RRR Filing Amount as of Dec-31-09	Difference
													A	B	C	D = A + B - C
LV Variance Account	1550	0	19,704					19,704	0	78		78	19,781	79,208	89,452	9,537
RSVA - Wholesale Market Service Charge	1580	0	(89,117)					(89,117)	0	(230)		(230)	(89,346)	(459,090)	(519,459)	(8,977)
RSVA - Retail Transmission Network Charge	1584	0	374					374	0	(191)		(191)	783	(158,676)	(147,612)	(10,481)
RSVA - Retail Transmission Connection Charge	1586	0	3,293					3,293	0	(109)		(109)	3,184	(75,088)	(62,039)	(9,865)
RSVA - Power (Excluding Global Adjustment)	1588	0	9,604					9,604	0	80		80	9,684			9,684
RSVA - Power (Global Adjustment Sub-account)	1588	0	199,866					199,866	0	705		705	200,571	(234,324)	358,439	(382,192)
Recovery of Regulatory Asset Balances	1590	0						0	0	0		0	0		(6,545)	6,545
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0					0	0	0		0	0	0			
Total		0	164,324	0	0	0	0	164,324	0	333	0	333	164,657			

¹ For RSVA accounts only, report the net additions to the account during the year. For all other accounts, record the additions and reductions separately.

² Provide supporting evidence i.e. Board Decision, CRO Order, etc.

³ Provide supporting statement indicating nature of this adjustment and periods they relate to

⁴ This records the values of amounts removed from Group One accounts in previous proceedings; but does not enter offsets for disposition of 1590, as recovery has not been completed.

Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Effective Date: May 1, 2011
 Version : 1.9

Deferral Variance - Continuity Schedule Final

Account Description	Account Number	Opening Principal Amounts as of Jan-1-10 A	Adjustments - Please explain B	Principal Amounts to be disposed C = A + B	Opening Interest Amounts as of Jan-1-10 D	Interest on Board-approved 2008 amounts prior to transfer Jan-1, 2010 to Date of Transfer E	Adjustments - Please explain F	Projected Interest on Dec 31 -09 balance from Jan 1, 2010 to Dec 31, 2010 G	Projected Interest on Dec 31 -09 balance from Jan 1, 2011 to April 30, 2011 H	Interest Amounts to be disposed I = D + E + F + G + H	Total Claim J = C + I
LV Variance Account	1550	19,704		19,704	78			142	58	277	19,981
RSVA - Wholesale Market Service Charge	1580	(69,117)		(69,117)	(230)			(499)	(202)	(930)	(70,047)
RSVA - Retail Transmission Network Charge	1584	974		974	(191)			7	3	(181)	793
RSVA - Retail Transmission Connection Charge	1586	3,293		3,293	(109)			24	10	(75)	3,218
RSVA - Power (Excluding Global Adjustment)	1588	9,604		9,604	80			69	28	177	9,781
RSVA - Power (Global Adjustment Sub-account)		199,866		199,866	705			1,442	585	2,731	202,598
Recovery of Regulatory Asset Balances	1590	0		0	0			0	0	0	0
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0		0	0			0	0	0	0
Total		164,324	0	164,324	333	0	0	1,185	481	1,999	166,324

Interest projected on December 31, 2009 closing principal balance.

Month	Prescribed Rate	Monthly Interest	Month	Prescribed Rate	Monthly Interest
January 31, 2010	0.55	0.0467	January 31, 2011	0.89	0.0756
February 28, 2010	0.55	0.0422	February 28, 2011	0.89	0.0683
March 31, 2010	0.55	0.0467	March 31, 2011	0.89	0.0756
April 30, 2010	0.55	0.0452	April 30, 2011	0.89	0.0732
May 31, 2010	0.55	0.0467	Effective Rate		<u>0.2926</u>
June 30, 2010	0.55	0.0452			
July 31, 2010	0.89	0.0756			
August 31, 2010	0.89	0.0756			
September 30, 2010	0.89	0.0732			
October 31, 2010	0.89	0.0756			
November 30, 2010	0.89	0.0732			
December 31, 2010	0.89	0.0756			
Effective Rate		<u>0.7214</u>			



Name of LDC: Middlesex Power Distributio
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Threshold Test

Rate Class	Billed kWh
	B
Residential	62,084,949
General Service Less Than 50 kW	22,167,783
General Service 50 to 4,999 kW	86,157,573
Large Use	17,181,839
Unmetered Scattered Load	304,425
Sentinel Lighting	43,379
Street Lighting	1,642,663
	<u>189,582,611</u>
Total Claim	166,324
Total Claim per kWh	0.000877



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Cost Allocation - kWh

Rate Class	Billed kWh	% kWh						Total
			1550	1580	1584	1586	1588 ¹	
Residential	62,084,949	32.7%	6,543	(22,939)	260	1,054	3,203	(11,879)
General Service Less Than 50 kW	22,167,783	11.7%	2,336	(8,191)	93	376	1,144	(4,242)
General Service 50 to 4,999 kW	86,157,573	45.4%	9,081	(31,834)	360	1,462	4,445	(16,485)
Large Use	17,181,839	9.1%	1,811	(6,348)	72	292	886	(3,288)
Unmetered Scattered Load	304,425	0.2%	32	(112)	1	5	16	(58)
Sentinel Lighting	43,379	0.0%	5	(16)	0	1	2	(8)
Street Lighting	1,642,663	0.9%	173	(607)	7	28	85	(314)
	<u>189,582,611</u>	<u>100.0%</u>	<u>19,981</u>	<u>(70,047)</u>	<u>793</u>	<u>3,218</u>	<u>9,781</u>	<u>(36,274)</u>

¹ RSVA - Power (Excluding Global Adjustment)



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Cost Allocation - Non-RPP kWh

Rate Class	Non-RPP kWh	% kWh	1588 ¹
Residential	14,521,638	11.9%	24,180
General Service Less Than 50 kW	3,644,434	3.0%	6,068
General Service 50 to 4,999 kW	86,157,573	70.8%	143,459
Large Use	17,181,839	14.1%	28,609
Unmetered Scattered Load	0	0.0%	0
Sentinel Lighting	0	0.0%	0
Street Lighting	169,067	0.1%	282
	121,674,551	100.0%	202,598

¹ RSVA - Power (Global Adjustment Sub-account)



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Cost Allocation - 1595

Rate Class	1595 Recovery Share Proportion	1595
Residential	0.0%	0
General Service Less Than 50 kW	0.0%	0
General Service 50 to 4,999 kW	0.0%	0
Large Use	0.0%	0
Unmetered Scattered Load	0.0%	0
Sentinel Lighting	0.0%	0
Street Lighting	0.0%	0
	0.0%	0



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Calculation of Deferral Variance Recovery Rate Rider without Global Adjustment

Rate Rider Recovery Period - Years

One

Rate Rider Effective To Date

April 30, 2012

Rate Class	Vol Metric	Billed		Accounts Allocated by kWh C	Accounts Allocated by Non-RPP kWh D	Account 1590 E	Account 1595 F	Total G = C + D + E + F	Rate Rider kWh H = G / A (kWh) or H = G / B (kW)
		A	B						
Residential	kWh	62,084,949	0	(11,879)	0	0	0	(11,879)	(0.00019)
General Service Less Than 50 kW	kWh	22,167,783	0	(4,242)	0	0	0	(4,242)	(0.00019)
General Service 50 to 4,999 kW	kW	86,157,573	235,111	(16,485)	0	0	0	(16,485)	(0.07012)
Large Use	kW	17,181,839	38,952	(3,288)	0	0	0	(3,288)	(0.08440)
Unmetered Scattered Load	kWh	304,425	0	(58)	0	0	0	(58)	(0.00019)
Sentinel Lighting	kW	43,379	119	(8)	0	0	0	(8)	(0.06975)
Street Lighting	kW	1,642,663	5,162	(314)	0	0	0	(314)	(0.06089)
		<u>189,582,611</u>	<u>279,344</u>	<u>(36,274)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(36,274)</u>	

Enter the above value onto Sheet
 "J2.X DeferralAccount Rate Rider"
 of the 2011 OEB IRM2 Rate Generator
 "J2.X DeferralAccount Rate Rider2"
 of the 2011 OEB IRM3 Rate Generator



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
 File Number: EB-2010-0098
 Effective Date: May 1, 2011
 Version : 1.9

Calculation of Delivery Component Global Adjustment Rate Rider

Rate Rider Recovery Period - Years

One

Rate Rider Effective To Date

April 30, 2012

Rate Class	Vol Metric	Non-RPP	Estimated Non-	Accounts	Accounts	Account 1590	Account 1595	Total	Rate Rider kWh
		kWh	RPP Billed kW	Allocated	Allocated by				
		A	B	C	D	E	F	G = C + D + E + F	H = G / A (kWh) or H = G / B (kW)
Residential	kWh	14,521,638	0	0	24,180	0	0	24,180	0.00167
General Service Less Than 50 kW	kWh	3,644,434	0	0	6,068	0	0	6,068	0.00167
General Service 50 to 4,999 kW	kW	86,157,573	235,111	0	143,459	0	0	143,459	0.61018
Large Use	kW	17,181,839	38,952	0	28,609	0	0	28,609	0.73447
Unmetered Scattered Load	kWh	0	0	0	0	0	0	0	0.00000
Sentinel Lighting	kW	0	0	0	0	0	0	0	0.00000
Street Lighting	kW	169,067	531	0	282	0	0	282	0.53015
		<u>121,674,551</u>	<u>274,594</u>	<u>0</u>	<u>202,598</u>	<u>0</u>	<u>0</u>	<u>202,598</u>	

Enter the above value onto Sheet "J2.X Global Adjustment Rate Rider" of the 2011 OEB IRM Rate Generator



Name of LDC: Middlesex Power Distribution Corporation - Middlesex
File Number: EB-2010-0098
Effective Date: May 1, 2011
Version : 1.9

Request for Clearance of Deferral and Variance Accounts

Account Description	Account Number	Principal Amounts	Interest Amounts	Total Claim
		A	B	C = A + B
LV Variance Account	1550	(19,704)	(277)	(19,981)
RSVA - Wholesale Market Service Charge	1580	69,117	930	70,047
RSVA - Retail Transmission Network Charge	1584	(974)	181	(793)
RSVA - Retail Transmission Connection Charge	1586	(3,293)	75	(3,218)
RSVA - Power (Excluding Global Adjustment)	1588	(9,604)	(177)	(9,781)
RSVA - Power (Global Adjustment Sub-account)	1588	(199,866)	(2,731)	(202,598)
Recovery of Regulatory Asset Balances	1590	0	0	0
Balance of Disposition and recovery of Regulatory Balances Account (2008)	1595	0	0	0
Disposition and recovery of Regulatory Balances Account	1595	164,324	1,999	166,324
Total		0	0	0