Oshawa

PUC Networks Inc.

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VIA E-MAIL

November 11, 2008

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

Dear Ms. Walli:

Re: Oshawa PUC Networks Inc. (ED 2002-0560)
2009 IRM Rate Application (EB-2008-0205)

Oshawa PUC Networks Inc. wishes to submit its 2009 3rd Generation IRM Rate Application. The Application will be submitted electronically using the OEB's RESS document filing system. Two paper copies of the application will follow.

Yours truly,

Mike Chase
Corporate Controller

Oshawa PUC Networks Inc. (ED-2002-0560)

2009 Distribution Rate Adjustment Application (EB-2008-0205)

November 7, 2008

IN THE MATTER OF the *Ontario Energy Board Act, 1998;*

AND IN THE MATTER OF an Application by Oshawa PUC Networks Inc. for an Order or Orders approving or fixing a proposed schedule of adjusted distribution rates, retail transmission rates and other charges, effective May 1, 2009.

MANAGER'S SUMMARY

Oshawa PUC Networks Inc. ("OPUCN") is a licenced electricity Distributor operating under the Ontario Energy Board Distribution Licence ED-2002-0560. OPUCN serves approximately 52,000 customers in the City of Oshawa.

OPUCN hereby requests new electricity distribution rates effective May 1, 2009. OPUCN has followed the methodology and filing guidelines set out in the *"Supplemental Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors"* (the "IRM Report") issued on September 17, 2008 and used the 2009 Incentive Regulation Mechanism Model (the "Model") to calculate the proposed rates.

The requested rates reflect an adjustment to the previously approved rates based on:

- A price cap adjustment
- Continuation of existing specific service charges and loss factors
- An adjustment to Retail Transmission Service Rates ("RTSRs")
- Currently known tax changes
- A continuing capital structure transition
- Approved adjustments to revenue to cost ratios

- A change in the existing smart meter funding adder pursuant to OEB Guideline G-2008-002: Smart Meter Funding and Cost Recovery
- A new rate rider to reflect OPUCN's Lost Revenue Adjustment Mechanism ("LRAM") and Shared Savings Mechanism ("SSM") funds pursuant to the "Filing Requirements for Transmission and Distribution Applications" issued November 14, 2006
- An application for Incremental Capital pursuant to the guidelines contained in the IRM Report

Price Cap Adjustment

OPUCN has used the Model to calculate an interim price cap adjustment of 0.98 % to the monthly distribution service charge and volumetric rate for each rate class. This adjustment is calculated as the combination of:

- GDP-IPI escalator = 2.1%
- Total Productivity Factor = 0.72%
- Interim stretch factor = 0.4%

OPUCN acknowledges that the GDP_IPI escalator and the stretch factor may be adjusted by the Board before the final Rate Order is issued

Specific Service Charges and Loss Factors

OPUCN is applying to continue its Specific Service Charges and loss factors unchanged from the ones currently approved.

Retail Transmission Service Rates

Based on the Decision and Rate Order of the Board in the EB-2008-0113 proceeding, Uniform Transmission Rates will increase on January 1, 2009 as follows:

- Network Service Rate to increase by 11.3%
- Line Connection Service Rate to increase by 18.6%
- Transmission Connection Service rate to increase by 0.6%

OPUCN is applying to implement these changes by increasing our approved RTSRs as:

- Transmission Network Rate to increase by 11.3%
- Transmission Connection Rate to increase by 19.2%

Tax Changes

The Board has determined that a 50/50 sharing between OPUCN and its ratepayers of the impact of currently known legislated tax changes is appropriate at this time. The Model was used to determine the amounts to be used to calculate the applicable rate rider.

- Tax savings are calculated as $36,436
- The amount to be retained by OPUCN is $18,218

Revenue to Cost Ratio Adjustments

The Decision issued pursuant to proceeding EB-2007-0710 directs OPUCN to adjust revenue to cost ratios for several rate classes for the 2009 rate year. The following table identifies the rate classes to be identified along with the new revenue to cost ratio for each.

Rate Class	**2008 Ratio**	**2009 Ratio**	**Target Range**
Residential	91.9	94.7	85 – 115
GS < 50 kW	125.1	122.4	80 – 120
GS > 50kW to 1,000 kW	100.4	100.1	80 – 180
GS > 1,000kW to 5,000 kW	257.2	218.0	80 – 180
Large User > 5,000 kW	186.1	150.0	85 – 115
Street Lighting	46.1	55.6	70 – 120
Sentinel Lighting	62.1	66.0	70 – 120
Unmetered Scattered Load	161.6	141.0	80 - 120

Capital Structure Transition

The common deemed capital structure approved by the Board is 60% debt and 40% equity. OPUCN seeks to continue the transition to this structure as follows.

Rate Year	**% debt**	**% short term debt included**	**% equity**

2008	53.3%	4.0%	46.7%
2009	56.7%	4.0%	43.3%

Smart Meter Funding Adder

OPUCN has not yet begun installing smart meters and currently collects the approved smart meter funding adder of $0.30 per metered customer which has been approved for non-implementing distributors. A plan is in place to begin installing smart meters in 2009. To that end, OPUCN is applying for the implementation smart meter funding adder of $1.00 per metered customer. We are authorized to begin this installation by virtue of paragraph 8 of section 1(1) of O. Reg 427.06 and have included evidence with this application demonstrating that our smart meters will be procured pursuant to and in compliance with the August 14, 2007 Request for Proposal issued by London Hydro Inc.

Pursuant to OEB Guideline G-2008-002: Smart Meter Funding and Cost Recovery we present the following information in support of this request.

Estimated number of meters to be installed in 2009	51,000
Estimated installed cost per meter	$152
Estimated total installation cost for 2009	$7,752,000

OPUCN does not expect to purchase smart meters or advanced metering infrastructure whose functionality exceeds the minimum functionality adopted in O. Reg. 425/06

OPUCN does not expect to incur costs associated with functions which the SME has exclusive authority to carry out pursuant to O. Re. 393/07.

LRAM / SSM Rate Rider

OPUCN is applying for one year rate riders for the recovery of LRAM and SSM. Total recovery will be $192,021.15 for LRAM and $16,959.12 for SSM. The amounts are to be

recovered from the Residential and Unmetered Scattered Load customer classes. The Details of the claim are attached.

Incremental Capital Application

Pursuant to the provisions of the IRM Report, OPUCN is applying for an incremental revenue requirement of $453,220.

Oshawa PUC Networks Inc.

Request for LRAM and SSM Adjustments

Licence Number: ED-2002-0506

File Number: EB-2008-0205

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Overview

On May 31, 2004, the Minister of Energy granted approval to all electricity distributors in Ontario to apply to the Board for adjustments to their 2005 electricity distribution rates that would enable them to recover the third tranche of their incremental market adjusted revenue requirements (MARR). The Minister's approval was conditional on a commitment to reinvest an equivalent amount in Conservation and Demand Management ("CDM") initiatives. The CDM plans of Oshawa PUC Networks Inc. ("OPUCN") were approved by the Ontario Energy Board ("OEB") in December 2004 with a Final Order issued in February 2005.

OPUCN's CDM efforts have been successful, but as a result, with decreases in kWh consumption and kW demand, OPUCN has experienced distribution revenue losses. The OEB has authorized distributors to apply for Lost Revenue Adjustment Mechanism ("LRAM") and Shared Savings Mechanism ("SSM") revenue adjustments. The authorization to apply for LRAM and SSM adjustments for 2006 and 2007 is derived from the OEB's December 2004 decision on the Pollution Probe motion in file RP-2004-0203, and the OEB's May 2005 Report on the 2006 Electricity Distribution Rate Handbook (the "Report"), Board File No. RP-2004-0188. At page 107 of the Report, the Board addressed LRAM recoveries, stating:

> "In its December 2004 Decision RP-2004-0203, the board concluded that an LRAM was appropriate and that it should apply to 3rd tranche expenditures. The Board indicated, at that time, that the LRAM formula would be established as part of the 2006 proceeding.
>
> The Board continues to believe that an LRAM is appropriate and concludes that it will be retrospective, not prospective. At this time, greater accuracy will be achieved if the LRAM is calculated after-the-fact, based on actual results.
>
> Accordingly, a distributor will be expected to calculate the energy savings by customer class and to value those energy savings by the board-approved

> distribution charge appropriate to that class. The resulting amount may be claimed in a subsequent rate year as compensation for lost revenue".

With respect to SSM, at page 110 of its Report, the Board wrote:

> "The Board, in its RP-2004-0203 Decision, found that a distributor shareholder incentive was an appropriate way to encourage distributors to pursue CDM programs. The Board continues to be of this view. Distributors should be rewarded with 5 percent of the net savings established by the TRC test. The Board recognizes that it will be essential to establish certain inputs and to define avoided costs. Accordingly, the Board's Conservation Manual will address these matters. This will allow parties to screen CDM programs and calculate the relevant incentives."

At page 111 of the Report, the Board wrote:

> "The SSM will apply to TRC benefits achieved by 3rd tranche expenditures as well as any incremental expenditures that are approved in 2006. However, as in the case of the Board's Decision with respect to 2005, the incentive will not apply to utility-side activities. Because the SSM will be retrospective, no claims for a shareholder incentive should be made in the 2006 rate applications.
>
> There has been considerable discussion in this proceeding as to whether CDM expenditures on the utility side should be differentiated from customer-side expenditures. The Board recognizes that conservation programs should have a balance between the two. It is important to recall however, the Board's earlier finding that the SSM incentive does not apply to utility-side investments. The Board previously ruled with respect to the 2005 SSM that the inclusion of capitalised assets into rate base provides sufficient incentives. The Board continues to hold that view."

In accordance with the Report, OPUCN's LRAM & SSM request includes only customer-side activities. OPUCN has calculated energy savings by customer class and valued those savings by the Board-approved distribution charge appropriate to each class, as required by the Report. The requirement is:

> "Inputs and assumptions of the TRC Test have to be clearly stated in the pre-filed evidence. Applicants may use the standard inputs for TRC calculation which are contained in the Board's Conservation Manual (available late June 2005). Where an applicant wishes to use other inputs, the applicant must provide supporting evidence, an explanation of its choice and, for comparison, the TRC Test results using the inputs contained in the Conservation Manual."

On September 8, 2005 the Board issued its Conservation Manual, under the name of the Total Resource Cost Guide (the "TRC Guide"). The TRC Guide set out an OEB-approved methodology and associated parameters for the financial evaluation of CDM programs. The TRC Guide was revised October 2, 2006 to reflect the OEB's Decision in the EB- 2005-0523 proceeding concerning the attribution of benefits between utilities and nonrate- regulated third parties. On November 14, 2006, the OEB issued a document titled "Filing Requirements for Transmission and Distribution Applications" (the "Filing Requirements"). The Filing Requirements contain provisions relating to applications for LRAM and SSM. OPUCN submits that it has relied on and complied with the OEB's TRC Guide, the Filing Requirements guidelines and OEB direction in preparing this application for IRM 2009. This request is also consistent with the OEB's Decision in EB-2007-0096 – the application by Toronto Hydro-Electric System Limited for approval of its LRAM and SSM adjustments for 2005 and 2006.

Summary of Request

OPUCN seeks approval for the recovery of 2006 and 2007 LRAM and SSM amounts as part of this rate application. Recovery is to be based on volumetric rate riders. OPUCN proposes two rate

riders for recovery of the total LRAM and SSM: a one-year rate rider for the recovery of Residential class LRAM and SSM, commencing May 1, 2009 and effective until April 30, 2010; and a one-year rate rider for the recovery of Unmetered Scattered Load class LRAM and SSM, commencing May 1, 2009 and effective until April 30, 2010.

The LRAM calculations are based on the kWh or kW load reduction for each of the years 2006 and 2007, multiplied by the applicable OEB approved variable distribution rate by rate class. The LRAM, in the amount of $192,021, includes an adjustment for "free ridership" (FR) in accordance with the TRC Guide and the Toronto Hydro Decision. The LRAM is a before tax amount as the basis for calculations is variable distribution rates derived from revenue requirement which includes a provision for PILs.

The SSM calculations are prepared in accordance with the SSM Guidelines and the TRC Guide and result in a claim of $16,959. These guidelines provide for reimbursement of 5 percent of the net savings as established by the TRC test with one half of the amount retained by the LDC. In accordance with the Toronto Hydro Decision, OPUCN has not grossed up the SSM amount for taxes and as such the SSM amount proposed for recovery is a pre-tax value. As with the LRAM calculation, the SSM calculation includes an adjustment for "Free Ridership" in accordance with the TRC Guide and the Toronto Hydro Decision.

OPUCN notes that it implemented one program that was included in its CDM plan and approved by the OEB, but which has not been identified in the Assumptions and Measures list in the TRC Guide. This program is similar to the Toronto Hydro program "LED Traffic Lights", which involved the replacement of traffic signals with LED technology. In accordance with the Toronto Hydro Decision, OPUCN has applied a 30% "Free Ridership" (FR) to the program results.

The total claim for recovery of LRAM and SSM amounts is $208,980. The LRAM and SSM amounts and corresponding rate riders are shown in the following table (LRAM and SSM Total Amounts and Rate Riders by Class). As indicated above, OPUCN proposes two rate riders for recovery of the total LRAM and SSM: a one-year rate rider for the recovery of Residential class

LRAM and SSM, commencing May 1, 2009and effective until April 30, 2010; and one-year rate rider for the recovery of Unmetered Scattered Load class LRAM and SSM, commencing May 1, 2009 and effective until April 30, 2010.

LRAM and SSM Total Amounts and Rate Riders by Class

Customer Class	Amounts	(2006- 2007)	Billing Units		Rate Riders (One Year)		Proposed One Year
	LRAM	SSM	2007		LRAM	SSM	Total
	$	$	Actual		$/ unit (kWh)	$/ unit (kWh)	$/ unit (kWh)
RESIDENTIAL							
Regular	$ 183,835.21	$ 2,920.00	487,192,399	kWh	$0.0004	$0.0000	$0.0004
Unmetered Scatter Load	$ 8,185.94	$ 14,039.12	3,841,944	kWh	$0.0021	$0.0037	$0.0058
TOTALS	$ 192,021.15	$ 16,959.12					

Sources for Calculation Determinants

The CDM programs for which OPUCN is applying are funded from two sources: 3rd Tranche MARR funding; and OPA Program funding. The TRC calculations for these programs use different sources depending on the funding.

OPA TRC Calculator for Spring 2006 Programs

This Calculator was issued by the OPA for use with the programs they funded in the Spring of 2006. It was available only for this season.

Technology	**Energy Savings (kWh)**	**Free Ridership Allowance**
CFL 15 w Screw in light bulbs	104	10%
Energy Star Ceiling Fans	141	10%
Timers	183	10%
Programmable thermostats for space heating and cooling	218	10%

OEB Conservation Manual and TRC Guide

The values in this Guide are used to calculate values for all 3rd Tranche programs. They are also used to calculate values for OPA funded programs which were offered in the summer of 2006.

Technology	**Energy Savings (kWh)**	**Free Ridership Allowance**
CFL 15 w Screw in light bulbs	104	10%
Dimmer Switches	183	10%
Outdoor Motion Sensors	209	10%
Programmable Thermostats	159	5%
Baseboard Programmable Thermostats	42	10%
Seasonal LED lights	19	5%
T8 lighting	288	0%

Exit light replacement	237	10%
Christmas light retrofit	19	5%

OPA TRC Values for 2007 Programs

For the OPA approved programs for 2007 new values for issued for calculation TRC. They are shown in the table below: "Spring and Summer/ Fall 2007 OPA Program Calculations".

Spring and Summer/ Fall 2007 OPA Program Calculations

1. Program Cost

Category	**$**
Total Program Cost	$19,162,190
Spring Customer Incentive	$5,203,636
Fall Customer Incentive	$3,529,039

Campaign Input assumption

Product	Annual kWh Saving / Unit	Peak Demand Reductions KW / Unit	Total Coupons	Units / Coupon	Estimated Useful Life	Free Ridership
SPRING CAMPAIGN						
Energy Star CFL 15W	44.3	0.0017	493775	3.86	6	30%
Energy Star Ceiling Fan	102.4	0.004	19166	1	10	30%
Outdoor Motion Sensor	161.1	0	23474	1	10	30%
Dimmer Switch	23.7	0.001	19390	1	10	30%
Outdoor Solar Lights	9.8	0	598079	1	5	30%
Furnace / AC Filter	105.42	0.05	25742	1	1	30%
Electric Furnace	850.1	0		5%		
Natural Gas Furnace	60.6	0.089		57%		
Central AC	70	0		45%		
FALL CAMPAIGN						
Energy Star CFL 15W	44.3	0.0017	816903	3.86	6	30%
Seasonal LEDs (SLEDs)	13.7	0	614431	1	5	30%
T-8 Fixtures	37.2	0.0015	18140	1	16	30%
Energy Star Lighting Fixtures	124.9	0.004	8405	1	20	30%
Baseboard Programmable Thermostats	29.6	0	18580	1	15	30%
Lighting and Appliance Control Devices	86.6	0.002	97853	1	13	30%
Power Bar with Integrated Timer	72.4	0.0077	8486	1	10	30%

Other Sources

OPUCN implemented three MARR-funded CDM programs for which energy savings and free ridership amounts are not included in the Board's Report. For two of these programs, the Enerspectrum Group was engaged to estimate energy savings and free ridership. The third program replaced traffic lights with LED technology. This was similar to a program approved in the Toronto Hydro Decision and the same values are used for the TRC calculations.

Technology	**Energy Savings (kWh)**	**Free Ridership Allowance**
Replace bulk residential meters with individual unit meters	240	0%
15 w CFL socket replacement	174	10%
LED traffic light replacement	6941	30%

Lost revenue adjustment mechanism (LRAM)

The purpose of an LRAM adjustment is to account for the variance between forecasted volumes used to set class rates and actual volumes resulting from CDM programs. The LRAM recovery has been calculated as the approved savings per energy conservation measure multiplied by the number of installations of each measure for the particular programs targeted at each rate class.

The OPUCN budgeted load forecasts for revenue requirement calculations for the years 2006 and 2007 were not adjusted for CDM programs. In accordance with Toronto Hydro Decision, OPUCN has reduced the calculated load reduction impacts for free ridership (as per TRC Guide and Toronto Hydro Decision). The table below summarizes the CDM load impacts by program and customer class for both 2006 and 2007.

CDM Load Impacts by Program and Class

Rate Class	Program	CDM Report Year	kWh Saving (Net of FR)
Residential			
	Library Watt- Reader Program	2006	13,104
	OPA EKC Pgm Coupons (Spring 2006)	2006	2,036,256
	OPA EKC Pgm Coupons (Spring 2006)	2006	571,961
	OPA EKC Pgm Coupons (Spring 2006)	2006	1,366,560
	OPA EKC Pgm Coupons (Spring 2006)	2006	1,112,487
	OPA EKC Pgm Coupons (Summer/ Fall 2006)	2006	771,919
	OPA EKC Pgm Coupons (Summer/ Fall 2006)	2006	40,783
	OPA EKC Pgm Coupons (Summer/ Fall 2006)	2006	18,998
	OPA EKC Pgm Coupons (Summer/ Fall 2006)	2006	119,632
	OPA EKC Pgm Coupons (Summer/ Fall 2006)	2006	3,137
	OPA EKC Pgm Coupons (Summer/ Fall 2006)	2006	93,806
	Retrofit Non-Profit Housing	2006	41,184
	Retrofit Non-Profit Housing	2006	57,096
	Retrofit Non-Profit Housing	2006	8,770
	Retrofit Non-Profit Housing	2006	12,798
	Retrofit Non-Profit Housing	2006	16,245
	Residential Replace Bulk with Individual Meters	2006	4,800
	OPA EKC Pgm Coupons (Spring 2007)	2007	33,280
	OPA EKC Pgm Coupons (Spring 2007)	2007	47,966
	OPA EKC Pgm Coupons (Spring 2007)	2007	75,073
	OPA EKC Pgm Coupons (Spring 2007)	2007	85,828
	OPA EKC Pgm Coupons (Spring 2007)	2007	2,726
	OPA EKC Pgm Coupons (Spring 2007)	2007	1,803,789
	OPA EKC Pgm Coupons (Summer / Fall 2007)	2007	2,157,220
	OPA EKC Pgm Coupons (Summer / Fall 2007)	2007	5,282
	OPA EKC Pgm Coupons (Summer / Fall 2007)	2007	145,921
	OPA EKC Pgm Coupons (Summer / Fall 2007)	2007	14,914
	OPA EKC Pgm Coupons (Summer / Fall 2007)	2007	5,002
	OPA EKC Pgm Coupons (Summer / Fall 2007)	2007	123,944
	Subtotal		10,790,480
Unmetered Scattered Load			
	Retro Fit Traffic Signal Lights with LED Fixtures	2007	757,957
	Subtotal		757,957
	Total		11,548,437

The reduction in distribution revenue is calculated on the forgone volumes resulting from CDM activities by class and at the variable distribution rate applicable to that class and year.

OPUCN is not requesting the recovery of carrying costs on the forgone distribution revenue in this CDM Application as OPUCN considers this amount to be immaterial to its application.

The following table shows the detailed foregone revenue by class calculations used to arrive at the CDM impacts summarized above.

Forgone Revenue by Class

Rate Class	Program	Technology	Year Implemented	Net kWh or kW Saved (After FR)		Rate/ kWh 2006	Lost Revenue 2006	Rate/ kWh 2007	Lost Revenue 2007		Total Lost Revenue
Residential	Library Watt- Reader Program	CFL 15 w Screw in	2006	13,104		$0.0107	$ 140.21	0.0108	$ 141.52		$ 281.74
Residential	OPA EKC Pgm Coupons (Spring 2006)	CFL 15 w Screw in	2006	2,036,256		$0.0107	$ 21,787.94	0.0108	$ 21,991.56		$ 43,779.50
Residential	OPA EKC Pgm Coupons (Spring 2006)	Ceiling Fans	2006	571,961		$0.0107	$ 6,119.98	0.0108	$ 6,177.18		$ 12,297.16
Residential	OPA EKC Pgm Coupons (Spring 2006)	Timers	2006	1,366,560		$0.0107	$ 14,622.19	0.0108	$ 14,758.85		$ 29,381.04
Residential	OPA EKC Pgm Coupons (Spring 2006)	Pstats (space heating, space cooling)	2006	1,112,487		$0.0107	$ 11,903.61	0.0108	$ 12,014.86		$ 23,918.47
Residential	OPA EKC Pgm Coupons (Summer/ Fall 2006)	CFL 15 w Screw in	2006	771,919		$0.0107	$ 8,259.54	0.0108	$ 8,336.73		$ 16,596.26
Residential	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Dimmers	2006	40,783		$0.0107	$ 436.37	0.0108	$ 440.45		$ 876.83
Residential	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Motion Sensors	2006	18,998		$0.0107	$ 203.28	0.0108	$ 205.18		$ 408.46
Residential	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Programmable Thermostates	2006	119,632		$0.0107	$ 1,280.06	0.0108	$ 1,292.02		$ 2,572.08
Residential	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Baseboard Programmable Thermostats	2006	3,137		$0.0107	$ 33.57	0.0108	$ 33.88		$ 67.45
Residential	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Seasonal LEDS	2006	93,806		$0.0107	$ 1,003.72	0.0108	$ 1,013.10		$ 2,016.83
Residential	Retrofit Non-Profit Housing	T8s	2006	41,184		$0.0107	$ 440.67	0.0108	$ 444.79		$ 885.46
Residential	Retrofit Non-Profit Housing	CFLs	2006	57,096		$0.0107	$ 610.93	0.0108	$ 616.64		$ 1,227.56
Residential	Retrofit Non-Profit Housing	15 W CFL Socket Replace	2006	8,770		$0.0107	$ 93.83	0.0108	$ 94.71		$ 188.55
Residential	Retrofit Non-Profit Housing	Exit Lights	2006	12,798		$0.0107	$ 136.94	0.0108	$ 138.22		$ 275.16
Residential	Retrofit Non-Profit Housing	Christmas Light Retrofit	2006	16,245		$0.0107	$ 173.82	0.0108	$ 175.45		$ 349.27

Residential	Residential Replace Bulk with Individual Meters	Individual Meters	2006	4,800		$0.0107	$ 51.36	0.0108	$ 51.84		$ 103.20
Residential	OPA EKC Pgm Coupons (Spring 2007)	Ceiling Fans	2007	33,280		$ -	$ -	0.0108	$ 359.42		$ 359.42
Residential	OPA EKC Pgm Coupons (Spring 2007)	Furnance Filters	2007	47,966		$ -	$ -	0.0108	$ 518.03		$ 518.03
Residential	OPA EKC Pgm Coupons (Spring 2007)	Outdoor Motion Sensors	2007	75,073		$ -	$ -	0.0108	$ 810.78		$ 810.78
Residential	OPA EKC Pgm Coupons (Spring 2007)	Outdoors Solar Lights	2007	85,828		$ -	$ -	0.0108	$ 926.95		$ 926.95
Residential	OPA EKC Pgm Coupons (Spring 2007)	Dimmer Switches	2007	2,726		$ -	$ -	0.0108	$ 29.44		$ 29.44
Residential	OPA EKC Pgm Coupons (Spring 2007)	CFL 15 w Screw in	2007	1,803,789		$ -	$ -	0.0108	$ 19,480.92		$ 19,480.92
Residential	OPA EKC Pgm Coupons (Summer / Fall 2007)	CFL 15 w Screw in	2007	2,157,220		$ -	$ -	0.0108	$ 23,297.97		$ 23,297.97
Residential	OPA EKC Pgm Coupons (Summer / Fall 2007)	T-8 Fixtures	2007	5,282		$ -	$ -	0.0108	$ 57.05		$ 57.05
Residential	OPA EKC Pgm Coupons (Summer / Fall 2007)	Lighting and Appliance Control Devises	2007	145,921		$ -	$ -	0.0108	$ 1,575.95		$ 1,575.95
Residential	OPA EKC Pgm Coupons (Summer / Fall 2007)	Power Bar with Integrated Timer	2007	14,914		$ -	$ -	0.0108	$ 161.08		$ 161.08
Residential	OPA EKC Pgm Coupons (Summer / Fall 2007)	Baseboard Programmable Thermostats	2007	5,002		$ -	$ -	0.0108	$ 54.03		$ 54.03
Residential	OPA EKC Pgm Coupons (Summer / Fall 2007)	LEDs	2007	123,944		$ -	$ -	0.0108	$ 1,338.59		$ 1,338.59
Unmetered Scattered Load	Retro Fit Traffic Signal Lights with LED Fixtures	LED Fixtures (Note 1)	2007	757,957		$ -	$ -	0.0108	$ 8,185.94		$ 8,185.94
		Total		11,548,437			$ 67,298.03		$ 124,723.12		$ 192,021.15

OPUCN proposes recovery of this forgone distribution revenue from each class which contributed to the shortfall by means of a rate rider to be applied to the variable distribution rate component for each class. As stated previously, OPUCN proposes two rate riders for recovery of the total LRAM and SSM: a one-year rate rider for the recovery of Residential class LRAM and SSM, commencing May 1, 2009 and effective until April 30, 2010; and a one-year rate rider for the recovery of Unmetered Scattered Load class LRAM and SSM, commencing May 1, 2009, and effective until April 30, 2010. Oshawa PUC Networks has not grossed up the LRAM amount for taxes and as such the LRAM amount proposed for recovery is a pre-tax value.

Shared Savings Mechanism (SSM)

SSM amounts are calculated based on the results of a cost effectiveness test known as the total resource cost ("TRC") test which is defined as a test that "*measures the net costs of a demand-side management program as a resource option based on the total costs of the program, including both the participant's and the LDC's costs.*"

In measuring the effectiveness of a program, the TRC test examines the benefits of a Program, which typically includes the avoided resource costs such as electricity, with program costs which include both the LDC's costs and the participant's costs, over the life of the program. The stream of future net benefits are converted to a single factor using standard Net Present Value calculations and must be greater than zero to be cost effective.

The TRC tests also provides for free ridership such that a program with a high degree of free ridership is less cost effective for the LDC to pursue as the program costs will exceed the program benefits.

The amount of the shareholder's SSM incentive is based on 5% of the NPV of the net benefits. OPUCN has calculated SSM amounts in accordance with the methodology set out in the TRC Guide. In accordance with the Guidelines for applying for SSM incentive, OPUCN is only making application for customer focused initiatives that reduce the demand for electricity which are funded through MARR revenue.

None of the listed CDM programs in this SSM application have been jointly sponsored with other regulated energy distributors or any other organization.

OPUCN has calculated the SSM recovery as 5% of the NPV of the Net Benefits (less the NPV of the both Net Costs LDC's costs and the participant's costs), for each program, in accordance with the TRC Guide. The total SSM calculated in this application amounts to $16,959 (adjusted for free riders, per TRC Guide and Toronto Hydro Decision). Oshawa PUC Networks has not grossed up the SSM amount for taxes and as such the SSM amount proposed for recovery is a pre-tax value.

The following table summarizes the SSM calculations by program.

Rate Class	Program	Technology	Measure Life	NPV$	SSM Rate	SSM Applied
Residential						
	Library Watt- Reader Program	CFL 15 w Screw in	4	$ 3,100	5%	$ 155
	Retrofit Non-Profit Housing	T8s	5	$ 7,800	5%	$ 390
	Retrofit Non-Profit Housing	CFLs	4	$ 11,000	5%	$ 550
	Retrofit Non-Profit Housing	15 W CFL Socket Replace	2.5	$ 14,000	5%	$ 700
	Retrofit Non-Profit Housing	Exit Lights	25	$ 9,200	5%	$ 460
	Retrofit Non-Profit Housing	Christmas Light Retrofit	30	$ 11,600	5%	$ 580
	Residential Replace Bulk with Individual Meters	Individual Meters	20	$ 1,700	5%	$ 85
	Subtotal			$ 58,400		$ 2,920
Unmetered Scattered Load						
	Retro Fit Traffic Signal Lights with LED Fixtures	LED Fixtures (Note 1)	10	$ 280,782	5%	$ 14,039
	Subtotal			$ 280,782		$ 14,039
	Total			$ 339,182		$ 16,959

As with the LRAM adjustment, OPUCN proposes that the pre-tax SSM amount arising from CDM activities be recovered through a variable distribution rate rider applicable to the classes which benefited from the energy conservation measures implemented.

Relief Requested

In light of the foregoing, OPUCN requests approval of its proposed LRAM and SSM. OPUCN requests that the LRAM and SSM amounts be combined into a single distribution rate rider to be effective May 1, 2009 for a period of one year ending on April 30, 2010. OPUCN further requests that the rate rider be applied to the classes which benefited from the energy conservation programs offered: the Residential and Unmetered Scattered Load customer classes.

Bill Impacts

The table below provides a summary of the change in the variable distribution rate caused by the proposed LRAM and SSM and the impacts on distribution costs and the total bill for the average customer in each affected rate class.

LRAM and SSM Rate Impacts by Class

Standard Consumption per Month	% Change Variable Rate	% Change Distribution Cost	% Change Total Bill
Residential (1000 kWh)	3.15%	1.87%	3.80%
Unmetered Scattered Load (770 kWh)	25.70%	20.80%	5.20%

OPUCN submits that the recovery of the LRAM and SSM adjustments over one year for Residential and Unmetered Scattered Load class satisfactorily mitigates the rate impact to customers, and that further mitigation is not required.

Summary of Calculations

The following table summarizes all the calculations used to determine energy savings each program and technology implemented through MARR funding and OPA program funding for 2006 through 2007. For each program the table shows: the rate classes targeted; the source and value of all calculation determinants; the funding mechanism under which the program was offered; the number

of implementations of each technology; the duration of the program; gross energy savings; free ridership percentage applied to the savings; and energy savings net of free ridership.

Determinates for LRAM and SSM

Rate Class	Source (including Life/ Energy Savings)	Program	Technology	Funding Mechanism	Year Implemented	# of Units	Duration of Program	Measure Life	Total Energy Savings (kWh) before FR	Total Energy Savings (kW)	Total Energy Savings (kWh) before FR with # Units	Free Ridership	Net kWh or kW Saved (After FR)
Residential	OEB Web Site	Library Watt- Reader Program	CFL 15 w Screw in	3rd Tranche MARR	2006	140	6 Month	4	104	3	14,560	10%	13,104
Residential	OPA Report (TRC Test Calculator)	OPA EKC Pgm Coupons (Spring 2006)	CFL 15 w Screw in	OPA 2006	2006	5,436	3 Months (Estimate)	4	104	0	2,262,507	10%	2,036,256
Residential	OPA Report (TRC Test Calculator)	OPA EKC Pgm Coupons (Spring 2006)	Ceiling Fans	OPA 2006	2006	226	3 Months (Estimate)	20	141	3	635,512	10%	571,961
Residential	OPA Report (TRC Test Calculator)	OPA EKC Pgm Coupons (Spring 2006)	Timers	OPA 2006	2006	416	3 Months (Estimate)	20	183	0	1,518,400	10%	1,366,560
Residential	OPA Report (TRC Test Calculator)	OPA EKC Pgm Coupons (Spring 2006)	Pstats (space heating, space cooling)	OPA 2006	2006	315	3 Months (Estimate)	18	218	14	1,236,097	10%	1,112,487
Residential	OEB Web Site	OPA EKC Pgm Coupons (Summer/ Fall 2006)	CFL 15 w Screw in	OPA 2006	2006	8,247	3 Months (Estimate)	4	104	0	857,688	10%	771,919
Residential	OEB Web Site	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Dimmers	OPA 2006	2006	326	3 Months (Estimate)	10	139	3	45,314	10%	40,783
Residential	OEB Web Site	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Motion Sensors	OPA 2006	2006	101	3 Months (Estimate)	20	209	12	21,109	10%	18,998
Residential	OEB Web Site	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Programmable Thermostates	OPA 2006	2006	792	3 Months (Estimate)	18	159	0	125,928	5%	119,632
Residential	OEB Web Site	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Baseboard Programmable Thermostats	OPA 2006	2006	83	3 Months (Estimate)	18	42	0	3,486	10%	3,137
Residential	OEB Web Site	OPA EKC Pgm Coupons (Summer/ Fall 2006)	Seasonal LEDS	OPA 2006	2006	5,197	3 Months (Estimate)	20	19	41	98,743	5%	93,806

Residential	OEB Web Site	Retrofit Non-Profit Housing	T8s	3rd Tranche MARR	2006	143	1 Month	5	288	11	41,184	0%	41,184
Residential	OEB Web Site	Retrofit Non-Profit Housing	CFLs	3rd Tranche MARR	2006	610	1 Month	4	104	21	63,440	10%	57,096
Residential	EnerSpectrum Group Report	Retrofit Non-Profit Housing	15 W CFL Socket Replace	3rd Tranche MARR	2006	56	1 Month	2.5	174	2	9,744	10%	8,770
Residential	OEB Web Site	Retrofit Non-Profit Housing	Exit Lights	3rd Tranche MARR	2006	60	1 Month	25	237	1	14,220	10%	12,798
Residential	OEB Web Site	Retrofit Non-Profit Housing	Christmas Light Retrofit	3rd Tranche MARR	2006	900	1 Month	30	19	2	17,100	5%	16,245
Residential	EnerSpectrum Group Report	Residential Replace Bulk with Individual Meters	Individual Meters	3th Tranche MARR	2006	8	1 Month	20	240	2	4,800	0%	4,800
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Ceiling Fans	OPA 2007	2007	325	3 Months (Estimate)	10	15	1	47,543	30%	33,280
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Furnance Filters	OPA 2007	2007	455	3 Months (Estimate)	5	30	0	68,523	30%	47,966
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Outdoor Motion Sensors	OPA 2007	2007	466	3 Months (Estimate)	10	23	0	107,247	30%	75,073
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Outdoors Solar Lights	OPA 2007	2007	8,758	3 Months (Estimate)	5	3	0	122,612	30%	85,828
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Dimmer Switches	OPA 2007	2007	115	3 Months (Estimate)	10	3	0	3,894	30%	2,726
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	CFL 15 w Screw in	OPA 2007	2007	40,718	3 Months (Estimate)	4	16	69	2,576,841	30%	1,803,789
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	CFL 15 w Screw in	OPA 2007	2007	48,696	3 Months (Estimate)	4	16	83	3,081,742	30%	2,157,220
Residential	OPA Program Costs Report	Note 2A EKC Pgm Coupons (Spring 2007) Note 2	T-8 Fixtures	OPA 2007	2007	142	3 Months (Estimate)	5	11	0	7,546	30%	5,282
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Lighting and Appliance Control Devises	OPA 2007	2007	1,685	3 Months (Estimate)	13	10	3	208,459	30%	145,921
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Power Bar with Integrated Timer	OPA 2007	2007	206	3 Months (Estimate)	10	10	2	21,306	30%	14,914
Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	Baseboard Programmable Thermostats	OPA 2007	2007	169	3 Months (Estimate)	18	2	0	7,146	30%	5,002

Residential	OPA Program Costs Report	OPA EKC Pgm Coupons (Spring 2007) Note 2	LEDs	OPA 2007	2007	9,047	3 Months (Estimate)	30	1	0	177,063	30%	123,944
Unmetered Scattered Load	Toronto Hydro Decision	Retro Fit Traffic Signal Lights with LED Fixtures	LED Fixtures (Note 1)	3rd Tranche MARR	2007	156	4 Months (Estimate)	10	6941	87	1,082,796	30%	757,957
	Totals										14,482,549		11,548,437

Note 1: Freerider rate of 30% used in SSM and LRAM was based on Toronto Hydro decision.
Note 2: Assumptions as per OPA Program Costs (Freerider at 30%). Please see Table “Spring and Summer/Fall 2007 OPA Program Calculations” on page 10 for OPA Program Cost Report details.

Oshawa PUC Networks Inc.

Incremental Capital Application

Licence Number: ED-2002-0506

File Number: EB-2008-0205

Index

Overview

Oshawa PUC Networks Inc. ("OPUCN") hereby applies for a rate rider to recover funds required for non-discretionary capital spending which is not fundable from any other source.

The 3rd Generation Incentive Regulation Model (the "Model") issued by the Ontario Energy Board (the "Board") includes calculations to determine the threshold beyond which capital spending can be considered incremental for purposes of requesting relief in rates. The Model compares the total capital budget for 2009 with the calculated threshold to arrive at an eligible incremental capital amount. For OPUCN this amount is determined to be $5,236,275.

Total Capital Budget for 2009:	$ 11,803,824
Incremental Capital Threshold:	$ 6,567,275
Eligible Capital Spending:	$ 5,236,549

OPUCN has adjusted this amount by $1,703,249 to exclude capital projects that are discretionary and / or which are included in our approved rate base. The net amount of capital spending for which relief is sought is $3,533,300.

Application Amount:	$ 3,533,300
Resulting Revenue Requirement:	**$ 453,220**

The Total Capital Budget figure includes the Application Amount for spending on four projects OPUCN has identified as non-discretionary projects which meet the criteria contained in the Filing Guidelines for Incremental Capital contained in the *Supplemental Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors* released on September 17, 2008 (the "Incentive Regulation Report"). The information for each of these projects is enclosed and has been developed in accordance with the Incremental Capital Module guidelines in the Incentive Regulation Report.

The Incremental Capital Model

In order to adjust the Incremental Capital amount calculated by the OEB Model OPUCN created its own model by copying the relevant sheets and overriding the Incremental Capital amount. The remaining calculations are unchanged. The OPUCN model has been included with this Application with the necessary changes explicitly identified. The Board Model is also included in this Application with the default Incremental Capital calculations unchanged for comparison purposes.

The Projects

The four projects identified as being incremental to OPUCN's ongoing capital requirements are identified below.

Project Name	**Project Cost**
Concrete Pole Replacement	$1,521,800
Long Term Load Transfer Elimination	907,500
Distribution System Reliability Improvement	850,000
Mobile Workforce	254,000
Total Cost	**$ 3,533,300**

Details of these projects follow.

Concrete Pole Replacement

Project Description

On July 21, 2008, OPUCN experienced the failure of a concrete distribution pole in a heavily populated area of its distribution system territory. The failure of the pole resulted in a power interruption to customers in the north area of the service territory and damage to vehicles as a result of broken pieces of concrete being ejected from the pole. The incident had the potential to cause significant injury to individuals on the adjacent sidewalk and restaurant parking lot. For this reason, it is critically important that this failure be addressed. This is a serious public safety issue. Thankfully no member of the public was seriously injured during the incident but the potential for serious injury was very high.

OPUCN performed a detailed investigation into the incident utilizing an internal subject matter expert team. The report resulting from the investigation is attached to this application for reference. The investigation and subsequent report indicated that the failure of the concrete pole was due to a number of factors, including; age and condition of the pole, improper number of steel reinforcing rods installed in the pole at the time of manufacture, and the fact that a hole had been drilled through one of the reinforcing rods by the manufacturer to allow an attachment bracket to be installed on the pole. The report recommended that all concrete poles in the OPUCN system be inspected to determine if they had sufficient strength to remain in service or required replacement. The concrete poles are currently being inspected by an internal subject matter expert team to determine their eligibility to remain in service. The investigation is expected to be complete and results known by December 12, 2008.

OPUCN currently has 1,087 concrete distribution poles on its system, out of a total of approximately 12,000 distribution poles. The majority of concrete poles are more than 30 years of age. Based on preliminary information from the inspection team it is expected

that approximately 20% of the concrete poles will require replacement in order to ensure the continued safety of the public and OPUCN workforce.

This project includes the replacement of the concrete poles in 2009 that are identified as requiring replacement by the inspection team. An external contracting organization would be utilized to complete the engineering design and construction work associated with the project, therefore ensuring timely replacement of all the unsafe poles without impacting the ability of OPUCN to complete other planned distribution system work during 2009.

Project Cost

The preliminary information received from the concrete pole inspection team indicates that approximately 20% of the poles will require replacement. The average cost to replace each pole is estimated to be $7,000. This estimate is based on the fact that depending on the height and use of the pole the cost to replace a single concrete pole can range from $4,000 to $10,000. The cost to replace includes engineering, installation and removal, and disposal costs.

The total project cost is estimated to be:

20% * 1,087 * $7,000 = $1,521,800

The project would be tendered to several qualified contract organizations to ensure that the most economical cost to complete the project is obtained.

Prudence of Project

OPUCN believes the costs to complete this project are prudent and in the best long-term interest of its customers. The replacement of concrete poles identified in the inspection program as requiring immediate replacement is the most practical and prudent way to ensure the continued integrity of the OPUCN distribution system, ensuring the safety of

the public and OPUCN workforce. As noted in the attached report, OPUCN is currently employing risk mitigation measures when it is necessary to work on any of these poles. However, these are temporary measures and do not address the serious public safety concerns associated with pole failure.

Conclusion

The project is clearly non-discretionary and is driven by public safety considerations. It could not be foreseen during the 2008 rate application process since the first pole failure occurred in July of 2008, well after the Decision (EB-2007-0710) was issued. The rates approved at that time could not include provision for this project. The substantial cost of this program must be recovered through a rate rider because no other funding is available. The poles are replacing poles already in place in established areas where no load growth is expected and so the costs will not be recovered through increased load on the associated distribution system. There will be no capital contributions because this is established plant. The base on which the rates were based did not include an allowance to solve a problem which could not be predicted at the time they were set.

In the event that the Board does not approve its application for this amount, OPUCN will be forced to postpone prudent maintenance activities to address the issue. Workforce and time limitations will result in a more prolonged replacement period and will result in unacceptable public risk.

Long Term Load Transfer Elimination

Project Description

The Ontario Energy Board has mandated that all long term load transfers (LTLT) within the province be eliminated by January 31, 2009 and included this responsibility in the provisions of the Distribution System Code. OPUCN has applied to the Ontario Energy Board for an extension to the deadline (Board File Number EB-2008-0149) to December 31, 2011 but has so far not received such permission.

The current OPUCN plan for the removal of LTLT within its service territory is a multi-year plan to ensure that funding and manpower for other important distribution system projects remain available to OPUCN. OPUCN has an aged distribution system and is currently experiencing rapid growth of its customer base. The need to complete other enhancement and expansion projects on its distribution system requires OPUCN to take a multi-year approach to the elimination of LTLT within its service territory. OPUCN would prefer to accelerate this process in order to meet our regulatory requirements in a more timely manner.

There are currently 32 LTLT customers connected to the Hydro One Networks Inc. distribution system within the OPUCN service territory. The OPUCN LTLT elimination plan contemplates the construction of distribution plant over a 4 year period in order to transfer these customers to the OPUCN distribution system. The current schedule for the transfer of the LTLT customers is as follows:

2008: 7 customers
2009: 9 customers
2010: 6 customers
2011: 10 customers

This project would allow the removal of all long term load transfers within the OPUCN service territory in 2009. An external contracting organization would be utilized to complete the engineering design and construction work associated with the project, therefore not impacting the ability of OPUCN to complete other planned distribution system work during 2009.

Project Cost

The estimated additional cost to complete the elimination of all LTLT within the OPUCN service territory in 2009 is $907,500.

The project would be tendered to several qualified contract organizations to ensure that the most economical cost to complete the project is obtained.

Prudence of Project:

OPUCN believes the costs to complete this project are prudent and in the best long-term interest of its customers. By completing the project in 2009, OPUCN can complete the removal of all long term load transfers in its service territory within 1 year of the Ontario Energy Board deadline, rather than over a period of several years.

Conclusion

This project is required under regulation and as such is clearly non-discretionary. It will add customers to the distribution system but the costs associated with adding those customers will not be recovered through the additional distribution revenue. Normally the costs of adding this type of plant would be partially offset from capital contributions from the customers requesting connection. However, in this case the connection is not made at customer request so no contributions will be forthcoming. The rates currently in effect do not contain a provision for this work and as such will not generate the necessary revenue to complete the project. OPUCN submits that this project qualifies for compensation under the Incremental Capital provisions of the IRM Report.

The Plan submitted to the OEB to eliminate these long term load transfers and additional information required by the Board for its analysis are attached to this application for information purposes.

Distribution System Reliability Improvement

Project Description

OPUCN is committed to ensuring a reliable supply of electricity distribution services to its customers. Comments received from the OEB in the 2008 Rate Decision (EB-2007-

0710) indicate that the OEB is also concerned about the reliability of the OPUCN distribution system. Specifically, the Decision notes:

> "As service reliability is most important to customers, the Board expects the Company to be vigilant about its service reliability performance going forward and to ensure that the capital expenditures authorized by the Board to result in substantial improvements in that regard."

The OPUCN distribution system is a relatively aged system requiring a substantive level of capital funding each year in order to enhance the distribution system and ensure a continued reliable supply of electricity distribution services.

OPUCN has collected data on the performance of its distribution system over the past several years and, as a result, has identified a number of distribution feeders with substandard reliability. With the rapid expansion of its customer base, OPUCN finds it increasingly difficult to allocate capital funds each year to make improvements to these identified distribution feeders in order to improve their performance. As a result, the reliability of the OPUCN distribution system is impacted in a negative manner.
This project would target the replacement of a specific distribution feeder identified as a poor performer. The feeder targeted for replacement in this project is constructed to an outdated standard resulting in a number of momentary and longer term outages for the customers connected to it. The feeder would be replaced using current design and construction standards allowing for a significant reduction in the number of outages for the customers connected to it. By replacing a poor performing distribution feeder the overall reliability statistics for the OPUCN distribution system will also be improved significantly. An external contracting organization would be hired to complete the engineering design and construction work associated with the project, therefore not impacting the ability of OPUCN to complete other planned distribution system work during 2009.

Project Cost:

The estimated cost to rebuild the poor performing distribution feeder in 2009 is $850,000.

The project would be tendered to several qualified contract organizations to ensure that the most economical cost to complete the project is obtained.

Prudence of Project:

OPUCN believes the costs to complete this project are prudent and in the best long-term interest of its customers. By completing the project in 2009, a poor performing feeder can be replaced with one designed and constructed to today's standard ensuring a significant improvement to the reliability of distribution services for the customers connected to it. This will help meet the expectations for performance improvement contained in the Rate Decision (EB-2007-0710).

Conclusion

The base capital construction plan for 2009 contains other projects designed to increase system reliability. However, staffing restrictions and the demands placed on our construction capabilities by continued development dictate that OPUCN cannot undertake as many reliability enhancement projects as would be consistent with our commitment and direction to increase system reliability. An Incremental Capital allowance for this project would allow OPUCN to prudently hire third party contractors to accelerate efforts aimed at improving system reliability to acceptable levels.

Mobile Workforce

Project Description

OPUCN is committed to continuous improvement in the operation of its distribution system business. The continuous improvement focus includes determining ways in which the business can be operated more efficiently and effectively, thereby reducing operating and maintenance and administration (OM&A) costs. Opportunities to automate current manual processes are investigated and evaluated to determine their suitability for OPUCN.

OPUCN currently utilizes a manual, paper based system for creating work orders for its field staff. This same manual, paper based system is also utilized for capturing the records of any work performed on the distribution system. Currently, any work performed in the field is first prepared on paper by office staff and then forwarded to field staff for execution. During the execution of the work, field staff make any field related notes on the paper copy and return it to office staff once the work is complete. Office staff than update computerized records to reflect the work completed in the field. This system is very outdated and inefficient for a utility performing the amount of distribution system work as OPUCN.

Recent advancements in mobile workforce technology now allow for work to be distributed from the office via a remote link to a field operated tablet computer. Field related notes made during the execution of the work are recorded on the tablet computer by field staff and sent back to the office via remote link. The automated system is much more efficient as it reduces the staff requirement to take paper based information and update it to the computerized record system. The system also reduces the amount of paper utilized in performing work on the distribution system, reducing the environmental footprint.

This project would include the purchase of a mobile workforce system in 2009 that allows office staff to issue work to field staff via a remote link and tablet computer system. Field staff would utilize the system to record any field related information and then update the computerized record system located at the office. The system would be compatible with the current OPUCN geographical information system.

Project Cost:

The estimated cost to purchase and implement the system is $254,000. This cost includes the tablet computers, data cards for cellular use, system software and implementation.

The purchase would be tendered to several qualified vendors to ensure that the most economic cost to complete the project is obtained.

Prudence of Project:

OPUCN believes the costs to complete this project are prudent and in the best long-term interest of its customers. By completing the project in 2009, an inefficient paper based process can be replaced with a highly efficient computer based process. OPUCN estimates that 1 person year of work can be eliminated through the implementation of this project, which is necessary to meet the required operational efficiency targets.

Conclusion

Staffing restrictions and the demands placed on our construction capabilities mean that OPUCN cannot undertake as many reliability enhancement projects as would be consistent with our commitment to increase system reliability and update our physical plant to optimal levels. An Incremental Capital allowance for this project would allow OPUCN to acquire the ability to maximize the resources we currently have and create greater operational efficiencies to the benefit of our ratepayers.

Investigation

of

Concrete Pole Failure

near intersection of Simcoe Street N and Taunton Road E

Investigation Team:

Falguni Shah, Distribution Engineer
Dave Osborne, Manager, Distribution
Steve Treen, Supervisor, Distribution

September 22, 2008

INDEX

Investigation of Concrete pole Failure

1. Purpose:

Purpose of issuing this information is to investigate concrete pole failure modes, design vulnerabilities and safe working practices. Recent failure of a concrete pole at the corner of Simcoe street north and Taunton road east is studied in detail and causes of the failure are identified. The concrete pole failure was very critical when viewed from the safety propagation point that eventually resulted into a feeder fault and public property damage. It is expected that reviewing of this information will give proper insight into the problem and appropriate corrective actions can be taken to avoid similar incidences in future.

2. Description and Circumstances:

The concrete pole failure occurred while relocating a 44 kV conductor from existing concrete poles to new wood poles. During this process the 50' concrete pole that failed was being used as a temporary dead-end. The concrete pole broke at the 13.8 kV level (at the cross arm location) and landed on under build 13.8 kV conductors. This caused an outage to part of Oshawa PUC Networks Inc. MS7 substation and damage to Public vehicles due to falling concrete parts. An investigation was carried out by the investigating team and this report summarizes the findings and recommendations.

Time and Date of Occurrence

Approximately 9.30 A.M, Monday, July 21st 2008

3. Summary of Incidence:

The overall job was to relocate existing 44kV, 13.8kV and secondary line conductors from concrete poles to new wood poles on Taunton Road East at Simcoe Street North. Appendix 1 '**Work Order Drawing D07-018A'** provides the job site location with the existing and proposed 44kV and 13.8kV feeders configuration. The work was carried out as a part of an intersection rebuild; to accommodate road widening by Durham region.

Prior to the incident; new wood poles had been installed and related hardware was attached.

44kV conductors on the east side of the pole under investigation (#09689) had been removed, leaving it as a temporary dead-end pole supporting the remaining 44kV conductor going to the west. 44kV conductor on pole #09687 also had been relocated to new wood pole #13838. 44kV conductors had been moved mid-span between pole #09689 and pole#09688 to pole #13833 with slings and grips to control one span between pole #09689 and pole #13833.

The incident occurred when the crew was relocating 44kV conductor between pole #09689 and #13838 to new wood pole #13837.

With Truck #6 set up at pole#13837 and Truck #16 set up at pole #09688 the crew began to relocate the middle white phase to new pole #13837. Each truck had the conductor in their jibs while the crew from Truck #16 released the conductor from the insulator at pole #09688. Once the conductor was removed from the insulator, both trucks worked in unison to raise the conductor to the top insulator on new pole #13837.

When Truck #6 placed the conductor in the top insulator at pole #13837, pole #09689 failed with the top 10' bending and falling to the west, landing on top of the 13.8kV under build causing the circuits to fault. Also due to the pole bending, concrete was propelled into a private parking lot damaging vehicles.

4. Findings:

1. The failed pole was a 50' concrete class E pole, manufactured in 1971 by Ontario Stress-crete Ltd., with a minimum ultimate pole strength of 1900 lbs.

2. Upon examining the failed concrete pole, signs of possible strength degradation were observed.

    a. Internal rebar were found non-uniformly encased in the concrete pole. The internal rebar are responsible for equal distribution of strength in all directions. Non-uniform encasement degrades ultimate strength of concrete pole (Appendix 2, Figure 1).

    b. A pre-drilled hole provided by the manufacturer appears to have severed one of the internal rebar. This pre-drilled hole is at 10' from the top of the pole, which is at the point of failure of the pole (Appendix 2, Figure 2).

    Portion of the rebar above and below the predrilled hole were found to be in a rusted condition due to continuous exposure to weather for many years (Appendix 2, Figure 3).

    c. 13.8kV cross arm was installed using predrilled hole which is at 90 degree to the previously described hole. This hole location appears to be close to the rebar support tie which shows signs of rusting (Appendix 2, Figure 4).

    d. The concrete at some spots of the break point of the pole shows signs of being affected by weather indicating pre-existing cracks. (Appendix 2, Figure 5).

Although, it is difficult to determine the amount of strength degradation; above discussion provides an indication of probable strength reduction of the pole below 1900 lbs.

3. The pole under investigation was used as a temporary dead-end pole with no guying at the time of incidence. The pole was supporting 3 – 336.4 kcmil ASC 44kV conductors with a span of 71m to the adjacent pole #9688. It is difficult to calculate the exact tension on the pole. Based on the known methods of tension calculation, the calculated tension on pole #9689 under this situation is 1603 lbs.

   At the time of failure, pole #09689 was supporting 2 – 336.4 kcmil ASC 44kV conductors to pole #09688 with a span of 71m and 1 – 336.4 kcmil ASC 44kV conductor to pole #13837 with a span of 121.5m. The calculated tension on pole#09689 under this situation was 1850 lbs.

   This calculation indicates that the loading on the pole at the time of incidence was less than the minimum ultimate strength of the pole.

5. Conclusion:

The calculations indicate that the conductor tension on the pole at the time of failure was less than the rated minimum ultimate pole strength (not considering strength degradation due to manufacturing deficiencies).

From the above discussion it is concluded that the pole had pre-existing construction deficiencies such as non-uniformly distributed rebar and a severed rebar from a pre-drilled hole. Due to manufacturing deficiencies and aging, the pole strength may have been degraded below its minimum ultimate pole strength and therefore causing the pole failure.

The use of a temporary construction guy to support the 44kV conductor may have helped in preventing the failure of the pole.

6. Recommendations:

1. Ensure that all E&USA Safe Work Practices are followed.

2. In the process of regular line work and/or construction, all poles used to temporarily dead-end conductor(s) must be temporarily guyed or supported with a radial boom derrick truck (RBD). The temporary guying or support with the RBD must be positioned as close as possible to the same height of all dead-end conductors.

3. When performing work on a concrete distribution pole the following work methods will be employed but not limited to:

    a) the concrete pole to be worked on, adjacent concrete poles in the line, and all other associated hardware, shall be visually inspected for safety by the crew and if necessary, a Distribution Supervisor.
    b) should all of the concrete poles inspected above be deemed as safe to perform work on, work area protection and traffic control will be established in accordance with current legislation.
    c) should any of the concrete poles and associated hardware be deemed to be unsafe, the identified hazard(s) shall be discussed to be removed, controlled and all safe practices and work area protection should be employed to ensure optimum safety for Employees and the Public.

4. A program should be created to inspect all concrete poles and to attach a life expectancy or recommendation for replacement.

Note: These recommendations revise and update those provided in memo to Distribution Department regarding “Electrical Distribution Pole Work” dated July 31, 2008.

Appendices

a. Appendix 1 :

Work Order Drawing D07-018A

Work Onder Drawing - C07-018A.pdf

b. Appendix 2 :

Pictures of the incident and broken poles

Figure 1: Non-uniformly encased concrete pole V/S Uniformly encased pole

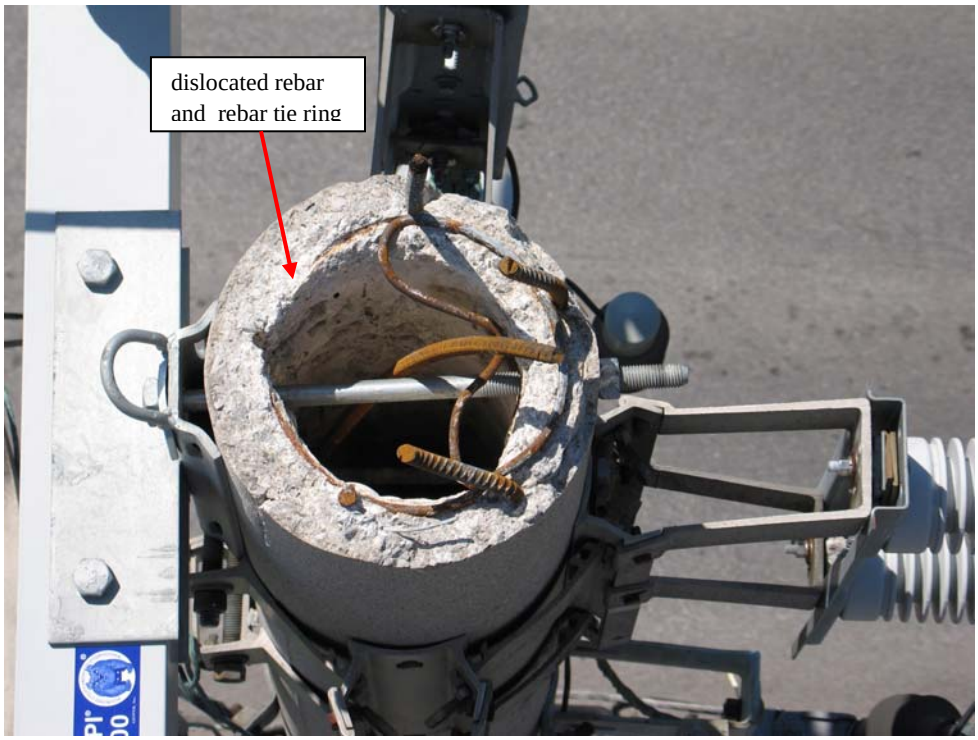


Figure 2: predrilled hole provided by the manufacturer - cutting one of the internal rebar

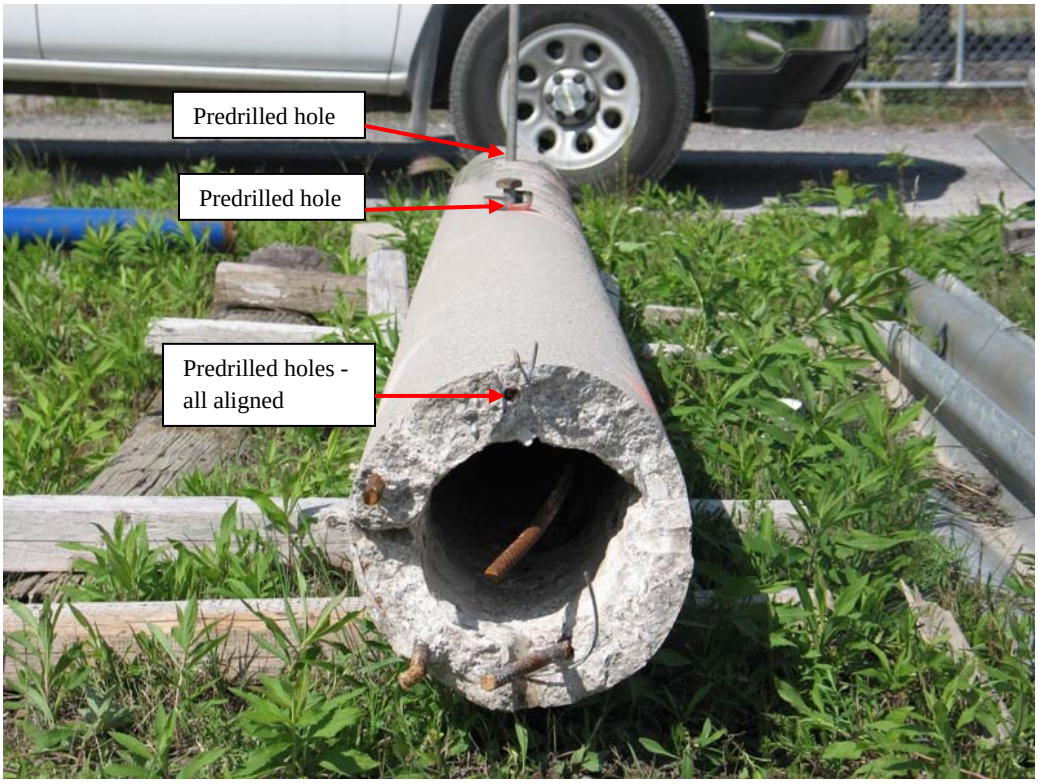


Figure 3: Rusted rebar – Due to predrilled hole and exposure to weather

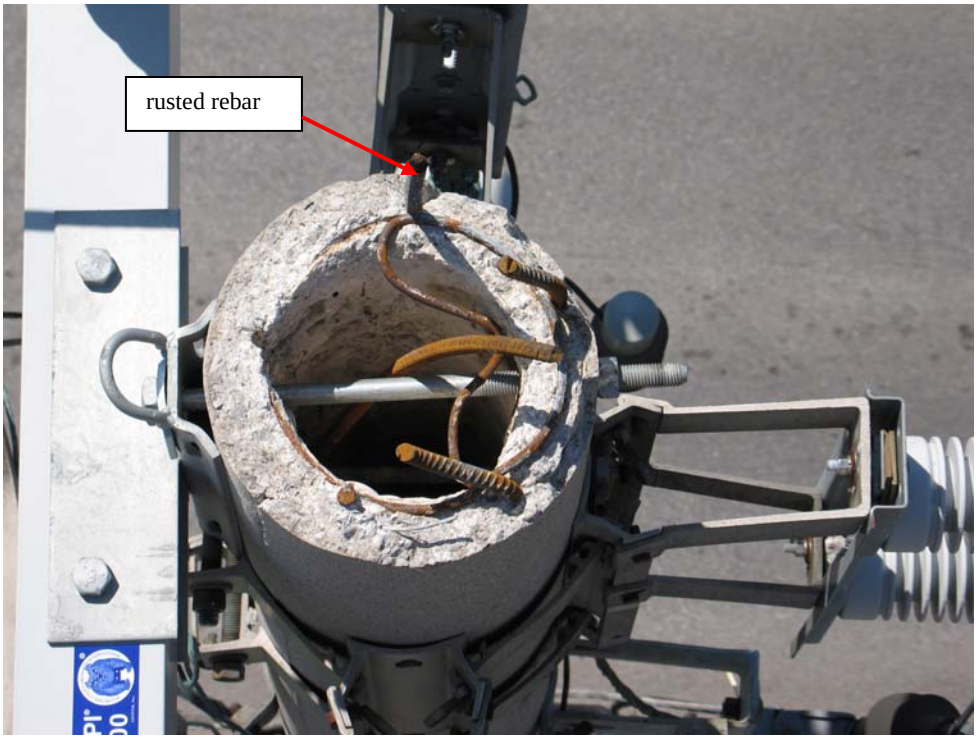
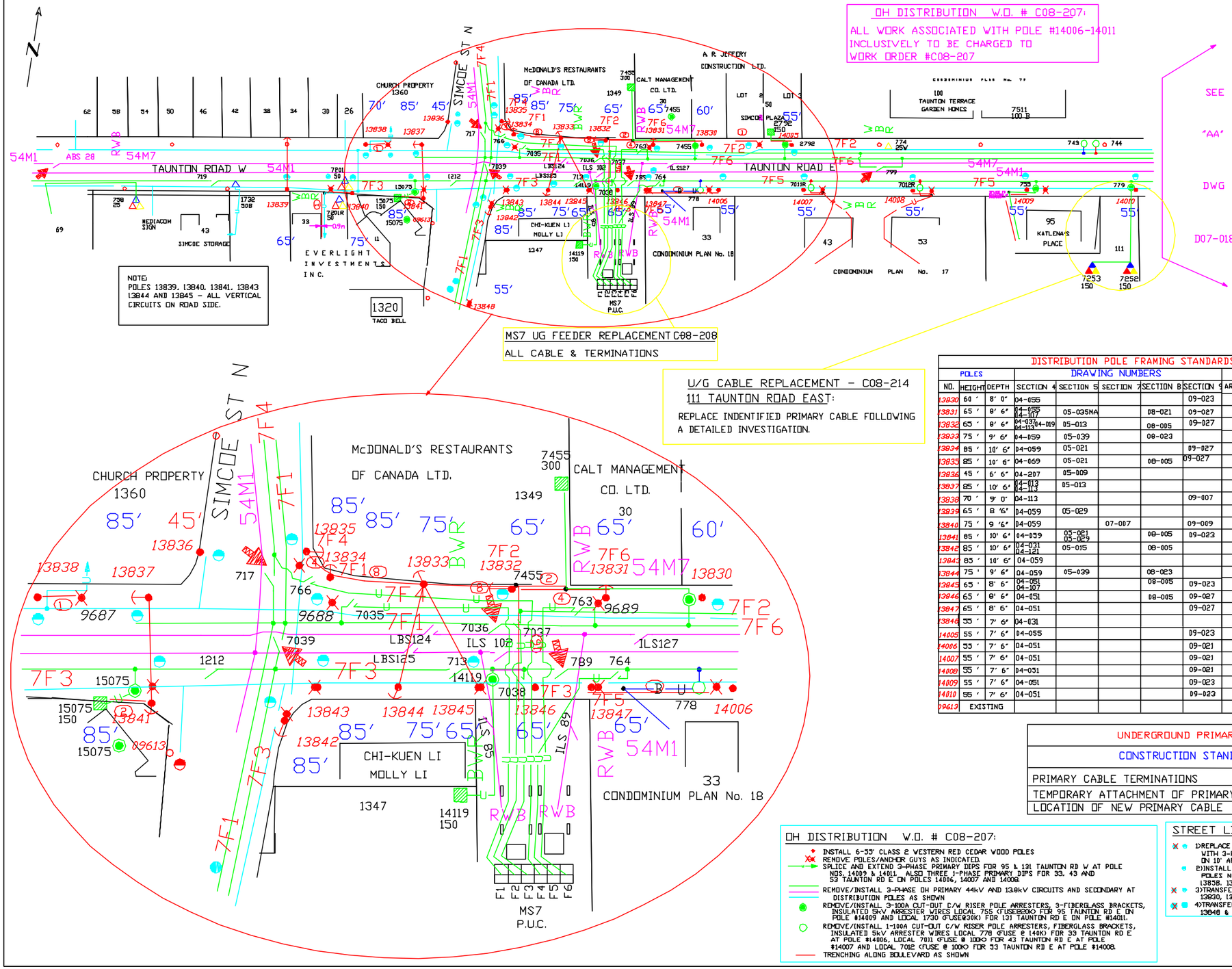


Figure 4: Rusted rebar - close to the rebar support tie

Figure 5: Existing portion of the broken pole



OH DISTRIBUTION W.O. # C08-207:

ALL WORK ASSOCIATED WITH POLE #14006-14011 INCLUSIVELY TO BE CHARGED TO WORK ORDER #C08-207

MS7 UG FEEDER REPLACEMENT C08-208

ALL CABLE & TERMINATIONS

U/G CABLE REPLACEMENT - C08-214

111 TAUNTON ROAD EAST:

REPLACE INDENTIFIED PRIMARY CABLE FOLLOWING A DETAILED INVESTIGATION.

DISTRIBUTION POLE FRAMING STANDARDS

POLES			DRAWING NUMBERS					LUMINAIRES	
NO.	HEIGHT	DEPTH	SECTION 4	SECTION 5	SECTION 7	SECTION 8	SECTION 9	ARM LENGTH	WATTAGES
13830	60 '	8' 0"	04-055				09-023	10'	250W
13831	65 '	9' 6"	04-055 04-107	05-035NA		08-021	09-027		
13832	65 '	9' 6"	04-037 04-113	04-019	05-013	08-005	09-027	10'	250W
13833	75 '	9' 6"	04-059	05-039		08-023			
13834	85 '	10' 6"	04-059	05-021			09-027	10'	250W
13835	85 '	10' 6"	04-069	05-021		08-005	09-027	10'	250V
13836	45 '	6' 6"	04-207	05-009				10'	250W
13837	85 '	10' 6"	04-013 04-113	05-013				10'	250W
13838	70 '	9' 0"	04-113				09-007	10'	250W
13839	65 '	8 '6"	04-059	05-029				10'	250W
13840	75 '	9 '6"	04-059		07-007		09-009	10'	250W
13841	85 '	10' 6"	04-039	05-021 05-029		08-005	09-023	10'	250W
13842	85 '	10' 6"	04-031 04-121	05-015		08-005		10'	250W
13843	85 '	10' 6"	04-059					10'	250V
13844	75 '	9' 6"	04-059	05-039		08-023			
13845	65 '	8' 6"	04-051 04-107			08-005	09-023	10'	250W
13846	65 '	9' 6"	04-051			08-005	09-027		
13847	65 '	8' 6"	04-051				09-027		
13848	55 '	7' 6"	04-031					10'	250W
14005	55 '	7' 6"	04-055				09-023	10'	250W
14006	55 '	7' 6"	04-051				09-021	10'	250W
14007	55 '	7' 6"	04-051				09-021	10'	250W
14008	55 '	7' 6"	04-051				09-021	10'	250V
14009	55 '	7' 6"	04-051				09-023		
14010	55 '	7' 6"	04-051				09-023	10'	250W
09613	EXISTING							10'	250W

OH DISTRIBUTION W.O. # C07-206:

- INSTALL 6-65', 3-75', 1-70', 16-65' & 1-60' CLASS 1 AND 10-55' CLASS 2 WESTERN RED CEDAR AND 1-45' & 2-35' CLASS 4 RED PINE WOOD POLES
- INSTALL GUY AND ANCHORS AS SHOWN
- REMOVE POLES/ANCHOR GUYS AS INDICATED.
- REMOVE EXISTING 500MCM PILC PRIMARY FEEDER CABLE ON 13.8kV CIRCUIT 7F1, 7F3 & 7F6 AND INSTALL NON-CIC 500MCM COMPRESSED STRANDED COPPER CONDUCTOR,15kV CLASS, STRAND FILLED, TRXLPE INSULATION-DN, JACKETED CABLE AS SHOWN
- SPLICE AND EXTEND 3-PHASE PRIMARY DIPS FOR NO.11 TAUNTON RD W AT POLE #13841 NOS. 141 & 295 TAUNTON ROAD E AT POLE NOS. 13849 & 13862. NO 222 NONQUON RD AT POLE #13854, NO 1349 SIMCOE ST N ON POLE # 13930, NO. 1335 NO. 1335 SIMCOE ST N AT POLE #13845 AND 1320 MARY ST N AT POLE #13850 AND TWO 1-PHASE PRIMARY DIPS FOR 1333 TAUNTON RD W AT POLE #13853 AS SHOWN.
- SPLICE AND EXTEND UG SECONDARY DIPS FOR #1360 SIMCOE ST N AT POLE #13838 AND AT NO. 33 TAUNTON RD W AT POLE #13840 AS SHOWN
- REMOVE/INSTALL 3-PHASE OH PRIMARY 44kV AND 13.8kV CIRCUITS AND SECONDARY AT DISTRIBUTION POLES AS SHOWN
- REMOVE/INSTALL SPAN GUY AS INDICATED
- REMOVE/INSTALL 3-50kVA 13800/8000V OH POLE MOUNT TRANSFORMERS LOCAL# 7201 TO POLE # 13840 AS SHOWN
- REMOVE/INSTALL 600A 15kV SOLID BLADE DISCONNECTS. LOCAL #7036 ON 13.8kV CIRCUIT 7F6 ON DISTRIBUTION POLE #13832, LOCAL 717 ON 13.8kV CCT. 7F1 ON DISTRIBUTION POLE #13835, LOCAL 1212 ON 13.8kV CCT 7F3 ON DISTRIBUTION POLE #13841, LOCAL 7039 ON 13.8kV CCT. 7F3 ON DISTRIBUTION POLE #13843, LOCAL 713 ON 13.8kV CCT 7F3 ON DISTRIBUTION POLE #13845, LOCAL 1442 ON 13.8kV CCT 7F5 ON DISTRIBUTION POLE #13856, LOCAL 739 ON 13.8kV CCT 7F6 ON POLE #13863, LOCAL 1056 ON 13.8kV CCT 7F2 ON POLE #13862, LOCAL 789 ON 13.8kV CCT 7F5 ON POLE #13846 AND REMOVE (LS LOCAL 1039 ON 13.8kV CCT 7F1 ON EXISTING POLE #09637.
- REMOVE/INSTALL 600A 15kV SOLID BLADE DISCONNECTS. LOCAL #102 ON 44kV CIRCUIT 54M1 ON POLE #13845 & LOCAL 127 ON 44kV CIRCUIT 54M7 ON POLE #13830. (INSTALL/ RELOCATE LOCALS #85 AND #89 BETWEEN 44kV FEEDERS AND STATION AS REQUIRED.
- INSTALL 44kV GANG OPERATED LOAD BREAK SWITCH <LBS) LOCAL #124 ON POLE #13833 AND LOCAL #125 ON POLE #13844 AS SHOWN
- REMOVE/INSTALL 15kV 600A 3-PHASE PRIMARY FEEDER CUTOUT ARRESTER LOCAL #7035 FOR 13.8kV CCT 7F1 ON POLE #13834, LOCAL #7037 FOR 13.8kV CCT 7F2 ON POLE #13832, LOCAL #7038 FOR 13.8kV CCT 7F3 ON POLE #13846, LOCAL #766 ON 13.8kV CCT 7F4 ON POLE #13835, LOCAL #764 FOR 13.8kV CIRCUIT 7F5 ON POLE #13847 AND LOCAL #763 FOR 13.8kV CIRCUIT 7F6 ON POLE #13831.
- REMOVE/INSTALL 3-100A CUT-OUT C/W RISER POLE ARRESTERS. 3-FIBERGLASS BRACKETS. INSULATED 5kV ARRESTER WIRES LOCAL 7455 (FUSE@100K) FOR 1349 SIMCOE ST N ON POLE #13830, LOCAL 15075 (FUSE@10K) FOR 11 TAUNTON RD W ON POLE #13841, LOCAL 14119 (FUSE @ 10K) FOR 1335 SIMCOE ST N ON POLE #13845, LOCAL 783 (FUSE@80K) FOR (4) TAUNTON RD E ON POLE #13849, LOCAL 7363 (FUSE@30K) FOR 1320 MARY ST N ON POLE #13850, LOCAL 7015 (FUSE@25K) FOR 222 NONQUON RD ON POLE #13854 AND LOCAL 7330 (FUSE@30K) FOR 283 TAUNTON RD E ON POLE #13862.
- REMOVE/INSTALL 1-100A CUT-OUT C/W RISER POLE ARRESTERS, FIBERGLASS BRACKETS. INSULATED 5kV ARRESTER WIRES LOCAL 723 (FUSE @ 100K) AND LOCAL 726 <FUSE @ 100K) BOTH FOR 1333 MARY ST N AT POLE #13853.
- INSTALL MIDSPAN OPENER FOR 44kV AND 13.8kV OH PRIMARY CABLES AS SHOWN
- INSTALL MIDSPAN TAP FOR 44kV AND 13.8kV OH PRIMARY CABLES AS SHOWN
- TRENCHING ALONG BOULEVARD AS SHOWN

LEGEND

- NEW OPUCN DISTRIBUTION POLE
- 13830 NEW OPUCN DISTRIBUTION POLE NUMBER
- EXISTING 250W HPS LUMINAIRES
- EXISTING OPUCN POLES/ANCHOR GUYS TO REMAIN
- EXISTING OPUCN 44kV OH 3-PHASE CIRCUIT
- EXISTING OPUCN 13.8 kV OH 3-PHASE CIRCUIT
- EXISTING OH SECONADRY CABLE
- OPUCN 100mm DUCT
- OPUCN ROAD CROSSING DUCT FOR 500MCM UNDERGROUND PRIMARY FEEDER
- U EXISTING UNDERGROUND 13.8kV PRIMARY
- OHSL RELOCATE EXISTING OH STLT CABLE (#4 DUPLEX)
- U EXISTING 3-PHASE UG SECONDARY CABLE
- RWB EXISTING PHASING OF 13.8kV OH PRIMARY CABLE
- RWB EXISTING PHASING OF 44kV OH PRIMARY CABLE
- OVERHEAD NORMALLY OPEN POINT
- 15kV PRIMARY FEEDER CUTOUT ARRESTER
- 44kV VERTICAL LOAD BREAK SWITCH
- 13.8kV 3-PHASE CUTOUT ARRESTER
- 13.8kV 1-PHASE CUTOUT ARRESTER

UNDERGROUND PRIMARY INSTALLATION STANDARDS

CONSTRUCTION STANDARD	DRAWING NUMBERS
PRIMARY CABLE TERMINATIONS	UGS-010
TEMPORARY ATTACHMENT OF PRIMARY CABLE ON DIP POLE	UGS-020
LOCATION OF NEW PRIMARY CABLE	SEE DWG. DETAILS

NOTE:
SPACING TO BE DETERMINED IN FIELD FOR ALL NON-STANDARD HEIGHT POLES

TAUNTONRELOCATEVDA.PCF TC07-206

OH DISTRIBUTION W.O. # C08-207:

- INSTALL 6-35' CLASS 2 WESTERN RED CEDAR WOOD POLES
- REMOVE POLES/ANCHOR GUYS AS INDICATED
- SPLICE AND EXTEND 3-PHASE PRIMARY DIPS FOR 95 & 131 TAUNTON RD W AT POLE NOS. 14009 & 14011. ALSO THREE 1-PHASE PRIMARY DIPS FOR 33, 43 AND 53 TAUNTON RD E ON POLES 14006, 14007 AND 14008.
- REMOVE/INSTALL 3-PHASE OH PRIMARY 44kV AND 13.8kV CIRCUITS AND SECONDARY AT DISTRIBUTION POLES AS SHOWN
- REMOVE/INSTALL 3-100A CUT-OUT C/W RISER POLE ARRESTERS, 3-FIBERGLASS BRACKETS, INSULATED 5kV ARRESTER WIRES LOCAL 755 (FUSE@80K) FOR 95 TAUNTON RD E ON POLE #14009 AND LOCAL 1730 (FUSE@30K) FOR 131 TAUNTON RD E ON POLE #14011.
- REMOVE/INSTALL 1-100A CUT-OUT C/W RISER POLE ARRESTERS, FIBERGLASS BRACKETS, INSULATED 5kV ARRESTER WIRES LOCAL 778 (FUSE @ 140K) FOR 33 TAUNTON RD E AT POLE #14006, LOCAL 7011 (FUSE @ 100K) FOR 43 TAUNTON RD E AT POLE #14007 AND LOCAL 7012 (FUSE @ 100K) FOR 53 TAUNTON RD E AT POLE #14008.
- TRENCHING ALONG BOULEVARD AS SHOWN

STREET LIGHT W.O. # H08-421

1. REPLACE 5-200W EXISTING HPS LUMINAIRES ON EXISTING OPUCN POLES WITH 3-PHASE PRIMARY CIRCUITS WITH 250 HPS FLAT GLASS LUMINAIRES ON 10' ARMS ON NEW POLE NOS. 13864, 13836, 13838, 13840 & 13841.
2. INSTALL 27-250W HPS FLAT GLASS LUMINAIRES WITH 10' ARMS ON NEW POLES NOS. 13831-13833, 13837, 13839, 13844, 13845, 13849-13856, 13858, 13860, 13862, 13863, 13865 & (4005-14011 AS SHOWN.
3. TRANSFER 9-250W EXISTING HPS FLAT GLASS LUMINAIRES TO NEW POLE NOS. 13800, 13834,13835,13842,13847,13857, 13861 & 13866 AS SHOWN
4. TRANSFER 8-400W EXISTING HPS FLAT GLASS LUMINAIRES TO NEW POLE NOS. 13848 & 13859 AS SHOWN.

Oshawa PUC Networks Inc.

OVERHEAD DISTRIBUTION RELOCATION

TAUNTON RD E (SIMCOE ST N TO RITSON RD)

						DRAWN: EP	CKD: JW	APP: RL	
1	FEB08/08	LS	JW	POLE & FRAMING REVISIONS		DATE: JANUARY 29, 2007	SCALE: 1:1000		
NO.	DATE	BY	APP.	REVISION RECORD		W.O.NO. C07-206	DWG.NO. D07-018A R1		

Oshawa
PUC Networks Inc.

100 Simcoe Street South, Oshawa, Ontario L1H 7M7 • Tel. (905) 723-4623 • Fax (905) 723-7947 • contactus@opuc.on.ca

BY ELECTRONIC FILING
BY COURIER
June 16, 2008

Ms Kirsten Walli
Board Secretary
Ontario Energy Board
Suite 2700, 2300 Yonge Street
P.O. Box 2319
Toronto, ON
M4P 1E4

Dear Ms Walli:

Re: Oshawa PUC Networks Inc. (ED-2002-0560)
Request for License Amendment

Please find attached Oshawa PUC Networks Inc.'s (OPUCN) plan to eliminate Long Term Load Transfers (LTLT) between OPUCN and Hydro One Networks Inc.

OPUCN currently has 32 LTLT customers and our plan contemplates retaining these customers on the OPUCN distribution system. OPUCN will facilitate this arrangement in the most cost effective manner through the construction of necessary facilities or through a joint use arrangement with Hydro One to utilize their existing pole line facilities where practical. Appendix A provides the details of all LTLT customers and OPUCN's plan for the transfers.

Section 6.5.4 of the Distribution System Code requires that all LTLT transfers be completed by January 31, 2009. As noted in the attached plan, OPUCN expects that all transfers will not be completed until December 31, 2012. As per the Electricity Distributor Association's LTLT Working Group paper dated February 7, 2007, OPUCN is hereby requesting an "option 4" exemption. As such, we are requesting a license amendment providing an exemption from the requirements of section 6.5.4 of the Code in order to allow us to complete the transfers by December 31, 2012.

If you have any questions and would like to discuss please do not hesitate to contact me at 905-723-4626 Extension 5255 or by email at mturney@opuc.on.ca

Yours truly,

Mark Turney
VP Engineering and Operations

Cc: Allen Cowan, Director Applications, Hydro One Networks Inc.
Project File

Attachment

APPENDIX A

EXEMPTION EXPLANATION FORM

LOCATION: **Townline Road N**

ACCOUNT NUMBER	**Civic Address**
00049192 – 02	110 Townline Rd N
00049193 – 01	118 Townline Rd N
00049195 – 01	136 Townline Rd N
00049196 – 01	142 Townline Rd N
00049197 – 01	148 Townline Rd N
00046027 – 02	344 Townline Rd N
00046260 – 01	Bell Canada, Townline Rd N

PROPOSED RESOLUTION TIMING:

Anticipated Date: _____ (specify of known)

By January 2009 ☒

After January 2009 ☐

RATIONALE

Municipal Regional Planning Development ☐

Road Authority Reconstruction / relocation ☐

Planned System Enhancement ☒

Customer Service Issue ☐

Resourcing Consideration ☐

Distribution Rationalization Plans ☐

Special Circumstances (Explain) ☐

EXPLANATION and Sign-off of GEOGRAPHIC DISTRIBUTOR

Falguni Shah, P.Eng.
Distribution Engineer

APPENDIX A

EXEMPTION EXPLANATION FORM

LOCATION: **Coates Road W**

ACCOUNT NUMBER	**Civic Address**
00000558 – 01	245 Coates Rd W
00000234 – 01	291 Coates Rd W
00000290 - 01	345 Coates Rd W
00000255 – 01	405 Coates Rd W
00000296 – 01	433 Coates Rd W
00000466 – 01	451 Coates Rd W
00000488 – 01	655 Coates Rd W
00000250 – 02	775 Coates Rd W
00000178 – 03	815 Coates Rd W

PROPOSED RESOLUTION TIMING:

Anticipated Date: December 2009 (specify of known)

By January 2009 ☐

After January 2009 ☒

RATIONALE

Municipal Regional Planning Development ☐

Road Authority Reconstruction / relocation ☐

Planned System Enhancement ☒

Customer Service Issue ☒

Resourcing Consideration ☐

Distribution Rationalization Plans ☐

Special Circumstances (Explain) ☐

EXPLANATION and Sign-off of GEOGRAPHIC DISTRIBUTOR

Falguni Shah, P.Eng.
Distribution Engineer

APPENDIX A

EXEMPTION EXPLANATION FORM

LOCATION: **Townline Road N**

ACCOUNT NUMBER	**Civic Address**
00001017 – 01	4626 Townline Rd N
00001233 – 02	4580 Townline Rd N
00001082 – 02	3572 Townline Rd N
00001020 – 01	4220 Townline Rd N
00001259 – 01	4420 Townline Rd N
00001240 – 01	4336 Townline Rd N
00001001 – 01	4800 Townline Rd N

PROPOSED RESOLUTION TIMING:

Anticipated Date: December 2010 (specify of known)

By January 2010 ☐

After January 2010 ☒

RATIONALE

Municipal Regional Planning Development ☒

Road Authority Reconstruction / relocation ☐

Planned System Enhancement ☒

Customer Service Issue ☐

Resourcing Consideration ☐

Distribution Rationalization Plans ☐

Special Circumstances (Explain) ☐

EXPLANATION and Sign-off of GEOGRAPHIC DISTRIBUTOR

Falguni Shah, P.Eng.
Distribution Engineer

APPENDIX A

EXEMPTION EXPLANATION FORM

LOCATION: **Coates Road E**

ACCOUNT NUMBER	**Civic Address**
00000549 – 01	38 Coates Rd E
00000479 – 03	65 Coates Rd E
00000049 – 01	Ritson Rd N
00000182 – 01	5245 Wilson Rd N #1
00000605 – 01	5245 Wilson Rd N #2
00103273 - 01	285 Coates Rd E

PROPOSED RESOLUTION TIMING:

Anticipated Date: December 2011 (specify of known)

By January 2011 ☐

After January 2011 ☒

RATIONALE

Municipal Regional Planning Development ☐

Road Authority Reconstruction / relocation ☐

Planned System Enhancement ☒

Customer Service Issue ☐

Resourcing Consideration ☐

Distribution Rationalization Plans ☐

Special Circumstances (Explain) ☐

EXPLANATION and Sign-off of GEOGRAPHIC DISTRIBUTOR

Joint use of Hydro One existing facilities is considered.

Falguni Shah, P.Eng.
Distribution Engineer

APPENDIX A

EXEMPTION EXPLANATION FORM

LOCATION: **Townline Road N / Conlin Road E / Columbus Road E**

ACCOUNT NUMBER	**Civic Address**
00004481 – 01	1848 Townline Rd N
00001074 – 02	1600 Conlin Td E
00103927 - 01	1590 Columbus Rd E

PROPOSED RESOLUTION TIMING:

Anticipated Date: December 2012 (specify of known)

By January 2012 ☐

After January 2012 ☒

RATIONALE

Municipal Regional Planning Development	☒
Road Authority Reconstruction / relocation	☐
Planned System Enhancement	☒
Customer Service Issue	☐
Resourcing Consideration	☐
Distribution Rationalization Plans	☐
Special Circumstances (Explain)	☐

EXPLANATION and Sign-off of GEOGRAPHIC DISTRIBUTOR

Falguni Shah, P.Eng.
Distribution Engineer

Oshawa
PUC Networks Inc.
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By Electronic Filing
By Courier
July 25, 2008

Ms Kirsten Walli
Board Secretary
Ontario Energy Board
Suite 2700, 2300 Yonge Street
P.O. Box 2319
Toronto, ON
M4P 1E4

Dear Ms Walli:

Re: OEB letter dated June 26, 2008 - Application for licence Amendment – Interim Exemption from Section 6.5.4 of the Distribution System Code
Board File Number EB-2008-0149
REVISION to July 23, 2008 Oshawa PUC Networks Inc. Submission

As per your letter dated June 26th, 2008 please find attached the Oshawa PUC Networks Inc. (OPUCN) response regarding Interim Exemption from Section 6.5.4 of the Distribution System Code. Please disregard the OPUCN submission dated July 23, 2008.

OPUCN currently has 32 LTLT customers, all of which are physically connected to the Hydro One Networks Inc. (HONI) distribution system. OPUCN is applying for an exemption for 25 of these customers.

The original OPUCN submission dated June 16, 2008, contemplated an exemption to December 31, 2012. OPUCN has since learned that HONI requires all LTLT's to be complete by December 31, 2011. As such OPUCN is requesting an exemption for the 25 LTLT customers as follows:

1. December 31, 2009: 9 customers
2. December 31, 2010: 6 customers
3. December 31, 2011: 10 customers

The attached response is intended to provide more detailed information as requested by OEB.

Please contact me should any further information be required or you wish to discuss.

Yours Truly,

Mark Turney
VP Engineering & Operations
mturney@opuc.on.ca
905 723 4626 Ext.5255

Cc: Project file
Enclosure.

Oshawa PUC Networks Inc.

Response to OEB Letter Dated June 26, 2008

Interim Exemption from section 6.5.4

of the

Distribution System Code

Board File Number EB-2008-0149

Prepared By:
Falguni Shah
Distribution Engineer
Oshawa PUC Networks Inc.
Date: July 25, 2008

I. **The following tables are intended to provide the information as outlined in (1) and (2) of OEB letter, dated June 26, 2008.**

The tables provide a list of all properties currently under a LTLT arrangement that OPUCN is seeking an exemption for and include civic address, legal property description and the term of exemption being sought.

Geographic Distributor: Oshawa PUC Networks Inc.	**Physical Distributor**: Hydro One Networks Inc.

Table - I

Sr. No.	OPUCN Account No.	Customer Name	Civic Address	Legal description	Term of Exemption Completed by	Map
1	00000558-01	W Scott McDonald	245 Coates Rd W	CON 9 PT LOT 12 NOW RP 40R11513 PART 1	2009	A
2	00000234-01	Jack Vanderkop	291 Coates Rd W	CON 9 PT LOT 12	2009	A
3	00000290-01	Roger Timms	345 Coates Rd W	CON 9 PT LOT 12	2009	A
4	00000255-01	A Markovic	405 Coates Rd W	CON 9 PT LOT 13	2009	A
5	00000296-01	Vera Rice	433 Coates Rd W	CON 9 PT LOT 13 NOW RP 40R9111 PART 2	2009	A
6	00000466-01	A Rahmani	451 Coates Rd W	CON 9 PT LOT 13 RP 40R22690 PART 1	2009	A
7	00000488-01	Thomas Bray	655 Coates Rd W	CON 9 PT LOT 15 NOW RP 40R6871 PART 2	2009	A
8	00000250-02	Gerald A Bray	775 Coates Rd W	CON 9 PT LOT 15,16	2009	A
9	00000178-03	James Boult	815 Coates Rd W	CON 9 PT LOT 16	2009	A

Table - II

Sr. No.	OPUCN Account No.	Customer Name	Civic Address	Legal description	Term of Exemption Completed by	Map
10	00001017-01	Glenn Barkey	4626 Townline Rd N	CON 8 PT LOT 1 NOW RP 40R12556 PART 1	2010	B-1
11	00001233-02	Tony Harris	4580 Townline Rd N	CON 8 PT LOT 1 NOW RP 40R12062 PART 2	2010	B-1
12	00001020-01	Ron Vice	4220 Townline Rd N	CON 8 PT LOT 1 AND RP 40R7808 PART 1 PT	2010	B-1
13	00001259-01	Murray Vice	4420 Townline Rd N	CON 8 PT LOT 1 NOW RP 40R19248 PART 1	2010	B-1
14	00001240-01	Walter Vice	4336 Townline Rd N	CON 8 PT LOT 1 NOW RP 40R10741 PART 1	2010	B-1
15	00001001-01	P Bradley	4800 Townline Rd N	CON 9 PT LOT 1	2010	B-1

Table - III

Sr. No.	OPUCN Account No.	Customer Name	Civic Address	Legal description	Term of Exemption Completed by	Map
16	00000549-01	C L O C A	38 Coates Rd E	CON 9	2011	C
17	00000479-03	Ray Collins	65 Coates Rd E	CON 9 PT LOT 9	2011	C
18	00103273-01	Debbie Hodgson	285 Coats Road E	CON 9 PT LOT 7,8	2011	C
19	00000049-01	C L O C A	Ritson Rd N	CON 9	2011	C
20	00000182-01	Oshawa Skeet & Gun Club	5245 Wilson Rd N #1	CON 9 PT LOT 6 AND RP 40R9533 PART 1	2011	C
21	00000605-01	Oshawa Skeet & Gun Club	5245 Wilson Rd N #2	Same address as 14	2011	C
22	00001082-02	LOA De Mede Farms	3572 Townline Rd N	CON 7 PT LOT 1	2011	B-2
23	00103927-01	Brad Baker	1590 Columbus Rd E	CON 7 PT LOT 1 NOW RP 40R11935 PART 1	2011	B-2
24	00001074-02	Jeff Donaldson	1600 Conlin Rd E	CON 5 PT LOT 1 NOW RP 40R2189 PART 3	2011	B-3
25	00004481-01	Glynn King	1848 Townline Rd N	CON 4 PT LOT 1 NOW RP 40R3268 PART 1	2011	B-3

II. **The following table is intended to provide the information as outlined in (3) (a), (b), (c) and (4) of OEB letter, dated June 26, 2008.**

The table provides the date by which the LTLT will be eliminated for each property, the method used and the steps taken to-date to eliminate the LTLT.

Sr.No	Civic Address	Date to Eliminate LTLT (as agreed by Hydro One)	Method to Eliminate (Planned System Enhancement)	Steps Taken for the implementation	Exemption status	Map
1	245 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
2	291 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
3	345 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
4	405 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
5	433 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
6	451 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
7	655 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
8	775 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
9	815 Coates Rd W	31 Dec. 2009	Line extension Group of Sr.Nos.1 to 9	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	A
10	4626 Townline Rd N	31 Dec. 2010	Line Extension Group of Sr.Nos.16,17,19 to 22	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-1
11	4580 Townline Rd N	31 Dec. 2010	Line Extension Group of Sr.Nos.16,17,19 to 22	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-1
12	4220 Townline Rd N	31 Dec. 2010	Line Extension Group of Sr.Nos.16,17,19 to 22	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-1
13	4420 Townline Rd N	31 Dec. 2010	Line Extension Group of Sr.Nos.16,17,19 to 22	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-1

Sr.No	Civic Address	Date to Eliminate LTLT (as agreed by Hydro One)	Method to Eliminate (Planned System Enhancement)	Steps Taken for the implementation	Exemption status	Map
14	4336 Townline Rd N	31 Dec. 2010	Line Extension Group of Sr.Nos.16,17,19 to 22	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-1
15	4800 Townline Rd N	31 Dec. 2010	Line Extension Group of Sr.Nos.16,17,19 to 22	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-1
16	38 Coates Rd E	31 Dec. 2011	Joint use with Hydro One Group of Sr.Nos. 10 to 15	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	C
17	65 Coates Rd E	31 Dec. 2011	Joint use with Hydro One Group of Sr.Nos. 10 to 15	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	C
18	285 Coats Road E	31 Dec. 2011	Joint use with Hydro One Group of Sr.Nos. 10 to 15	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	C
19	Ritson Rd N (CLOCA)	31 Dec. 2011	Joint use with Hydro One Group of Sr.Nos. 10 to 15	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	C
20	5245 Wilson Rd N #1	31 Dec. 2011	Joint use with Hydro One Group of Sr.Nos. 10 to 15	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	C
21	5245 Wilson Rd N #2	31 Dec. 2011	Joint use with Hydro One Group of Sr.Nos. 10 to 15	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	C
22	3572 Townline Rd N	31 Dec. 2011	Line Extension	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-2
23	1590 Columbus Rd E	31 Dec. 2011	Line Extension	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-2
24	1600 Conlin Rd E	31 Dec. 2011	Line Extension	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-3
25	1848 Townline Rd N	31 Dec. 2011	Line Extension	1 .Evaluated Alternatives 2. Eng./Design to complete work 3. Budgeted work	Exemption requested	B-3

III. **The following description is intended to address item (3) (d) of OEB letter, dated June 26, 2008. The description provides an explanation of OPUCN's planned method to eliminate LTLT's vs other available options.**

The Electricity Distributors Association (EDA) LTLT Working Group: Distributors Guide, February, 2007, provided three main alternatives to distributors for the purpose of satisfying the OEB requirement to eliminate LTLT:

1. **Connect:** The geographic distributor constructs new facilities to serve the LTLT customer.

2. **Embedded Retail Point of Supply:** A retail point of supply through metering is established with the physical distributor.

3. **Transfer:** The LTLT customer is transferred to the physical distributor through an OEB approved service territory license amendment.

In OPUCN's situation all LTLT customers are physically connected to the Hydro One Networks Inc. distribution system. Each of the three above alternatives was carefully considered by OPUCN internally and in consultation with HONI.

A retail point of supply was the first alternative considered, in consultation with HONI. This alternative was particularly attractive as it did not require a service territory amendment or the construction of new electric distribution facilities. Unfortunately, this alternative was not feasible due to the physical location of the customers, and was therefore ruled out.

The remaining two alternatives were then evaluated considering economic, distribution system planning, reliability and safety factors. The alternative to construct new facilities and physically connect the LTLT customers to the OPUCN system was considered to be the alternative in the best interest of both OPUCN and its LTLT customers. This alternative was considered to be best for the following reasons:

(Note: The OPUCN LTLT customers are divided into 3 main areas; Area (A) Coates Road West, Area (B) Townline Road North and Area (C) Coates Road East. These areas are along the northern and eastern edges of the OPUCN service territory).

1. System Planning:

a) In the case of Area (A) and (B), a feeder extension is required to connect the LTLT customers. The feeder extension will allow OPUCN to extend its distribution system not only for the connection of the LTLT customers but also future load growth. The north and east areas of OPUCN's service territory is currently experiencing very high growth.

b) The 407 highway is scheduled to be constructed through Oshawa beginning in 2010. This highway will bring increased demand for distribution facilities to serve commercial, industrial and residential growth associated with the installation of the highway. The 407 further necessitates the requirement for OPUCN to extend distribution feeders in the north and east areas of its service territory.

c) There is currently a new OPUCN municipal substation and HONI transformer station planned for the north and east area of the OPUCN distribution system service territory, expected to be in service in 2009 and 2010 respectively. Both of these substations will require the completion of OPUCN feeders to provide service to the area.

2. Economics:

a) In the case of Area (C), HONI recently constructed a new distribution line with enough space on the poles to allow OPUCN to install distribution equipment under a joint-use arrangement. The joint-use arrangement allows for a more economical connection of the LTLT customers as a new pole line is not required. This option was considered in Area (A) and (B), but was not feasible due to the condition and height of the existing HONI poles.

b) The distribution rate impact to the customer was also an economic consideration in the OPUCN LTLT plan. The HONI residential distribution rate is significantly higher than OPUCN's. This factor could be politically sensitive in a transfer of the customer to HONI under a service territory amendment.

3. Reliability / Power Quality:

a) In the case of Area (A) and (B), the LTLT customers are connected to a very old and relatively long HONI rural feeder. By connecting these customers to a new OPUCN urban feeder, reliability and power quality will be significantly improved.

b) In the case of Area (A) and (B), the feeder extensions allow for the completion of the feeder loop. By completing the feeder loop, OPUCN can provide back-up service to most, if not all, customers in the event of equipment failure, improving the reliability of distribution service to all of the customers connected to the feeder.

In summary, after considering the long term economic costs and engineering effectiveness, the plan to connect the OPUCN LTLT customers through 2 feeder extensions and 1 joint-use arrangement is considered the best alternative for both the distributor and its customers.

IV. **Attached is a letter from Hydro One networks Inc. confirming acceptance of the December 31, 2011 date to have all LTLT's complete with Oshawa PUC Networks Inc. This letter is intended to address the issue outlined in (5) of OEB letter, dated June 26, 2008.**

Hydro One Networks Inc.
8th Floor, South Tower
483 Bay Street
Toronto, Ontario M5G 2P5
www.HydroOne.com

Tel: (416) 345-6219
Fax: (416) 345-5866
Cell: (647) 282-2597
allan.cowan@HydroOne.com

Allan Cowan
Director - Applications
Regulatory Affairs

hydro one

July 23, 2008

Ms. Falguni Shah, P.Eng.
Distribution Engineer
Oshawa PUC Networks Inc,
100 Simcoe Street S
Oshawa,ON
LIH 7M7

Dear Ms. Shah:

Long Term Load Transfers between Hydro One Networks Inc. and Oshawa PUC Networks Inc.

This letter confirms that Hydro One Networks Inc, ("Hydro One") supports Oshawa PUC Networks Inc. ("Oshawa") June 18, 2008 request for an interim exemption from the requirements of Section 6.5.4 of the Distribution System Code. Hydro One accepts Oshawa's proposal to extend the elimination of the load transfers to December 2011.

Yours truly,

ORIGINAL SIGNED BY ALLAN COWAN

Allan Cowan

cc. Mr. Steve Vance, Hydro One Networks Inc,
Ms. Angela Yorgiadis, Hydro One Networks Inc,

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mechanism

Purpose of this Sheet:
To set up Applicant file information.

Instructions:
1. Enter applicant name and service area (if more than one)
2. Enter applicant contact information
3. Read the copyright and OEB policy with respect to this application below

Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

Applicant Name	Oshawa PUC Networks Inc.
Applicant Service Area	
OEB Application Number	EB-2008-0205
LDC Licence Number	ED-2002-0560
Notice Publication Language	English
DRC Rate	0.00700
Customer Bills	12 per year
Distribution Demand Bill Determinant	kW
RTSR - Low Voltage	No

Contact Information

Name:	Mike Chase
Title:	Corporate Controller
Phone Number:	(905) 743-5202
E-Mail Address:	mchase@opuc.on.ca

Please Note:
In the event of an inconsistency between this model and any element of the July 15, 2008 "Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors ", the September 5, 2008 "Supplemental Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors", or other related Board Direction, the Board direction governs.

Copyright:
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Sheet Name	Purpose of Sheet
A1.1 LDC Information	Enter LDC Data
A2.1 Table of Contents	Table of Contents
B1.1 Curr&Appl Rt Class General	Set up Tariff Sheet Rate Classes - General
B2.1 Curr&Appl Rt Class Unique	Set up Tariff Sheet Rate Classes - Unique
C1.1 Smart Meter Rate Adder	Enter Current Tariff Sheet Smart Meter Rate Adder
C2.1 LRAMSSM Recovery RateRider	Enter LRAM and SSM Rate riders
C2.2 Deferral Account RateRider	Enter Deferral Account Rate Rider
C2.3 Sale Dawson Rd Rate Rider	Enter Sale of Dawson Road Property Rate Rider
C2.4 SC RateRider for Smrt Mtr	Enter Service Charge Rate Rider for Smart Meter
C2.5 ForegoneRevenue Rate Rider	Enter Foregone Distribution Revenue Rate Rider
C3.1 Curr Rates & Chgs General	Enter Current Tariff Sheet Rates - General Rate Classes
C6.1 Curr Rates & Chgs Unique	Enter Current Tariff Sheet Rates - Unique Rate Classes (if applicable)
C7.1 Base Dist Rates Gen	Calculation of Base Distribution Rates - General Rate Classes
C8.1 Base Dist Rates Unique	Calculation of Base Distribution Rates - Unique Rate Classes
D1.2 Reven Cost Ratio Adj - Gen	Enter Revenue Cost Ratio Adjustment - General Rate Class
D1.3 Reven Cost Ratio Adj - Unq	Enter Revenue Cost Ratio Adjustment - Unique Rate Class
D2.2 K-Factor Adjustment - Gen	Enter K-Factor Adjustment - General Class
D2.3 K-Factor Adjustment - Uniq	Enter K-Factor Adjustment - Unique Class
E1.1 Rate Reb Base Dist Rts Gen	Calculation of Rate Rebalanced Base Distribution Rates General
E2.1 Rate Reb Base Dist Rts Unq	Calculation of Rate Rebalanced Base Distribution Rates Unique
F1.2 Price Cap Adjustment - Gen	Enter Price Cap Adjustment - General Class
F1.3 Price Cap Adjustment - Unq	Enter Price Cap Adjustment - Unique Class
G1.1 Aft PrcCp Base Dst Rts Gen	Base Distribution Rates after Price Cap Adjustment - General Rate Class
G2.1 AftPrcCap Bas Dst Rts Uniq	Base Distribution Rates after Price Cap Adjustment - Unique Rate Class
J1.1 Smart Meter Rate Adder	Enter Proposed Tariff Sheet Smart Meter Rate Adder
J2.1 LRAMSSM Recovery RateRider	Enter LRAM and SSM Rate riders
J2.2 Deferral Account RateRider	Enter Deferral Account Rate Rider
J2.3 SC RateRider for Smrt Mtr	Enter Service Charge Rate Rider for Smart Meter
J2.4 ForegoneRevenue Rate Rider	Enter Foregone Distribution Revenue Rate Rider
J2.5 Tax Change Rate Rider	Enter Tax Change Rate Rider
J2.6 Incremental Cap Rate Rider	Enter Incremental Capital Rate Rider
K1.1 App For Dist Rates Gen	Calculation of Proposed Distribution Rates - General Rate Classes
K2.1 App For Dist Rates Uniq	Calculation of Proposed Distribution Rates - Unique Rate Classes
L1.1 Curr&Appl For TX Network	Enter Change to RTSR - Network rates
L2.1 Curr&Appl For TX Connect	Enter Change to RTSR - Connection rates
N1.1 Appl For Mthly R&C General	Monthly Rates and Charges - General Rate Classes
N2.1 Appl For Mthly R&C Unique	Monthly Rates and Charges - Unique Rate Classes
N3.1 Curr&Appl For Loss Factor	Enter Loss Factors From Current Tariff Sheet
O1.1 Sum of Chgs To MSC&DX Gen	Shows Summary of Changes To General Service Charge and Distribution Volumetric Charge
O1.2 Sum of Chgs To MSC&DX Uniq	Shows Summary of Changes To Unique Service Charge and Distribution Volumetric Charge
O2.1 Calculation of Bill Impact	Bill Impact Calculations
P1.1 Curr&Appl For Allowances	Enter Allowances from Current Tariff Sheets
P2.1 Curr&Appl For Spc Srv Chg	Enter Specific Service Charges from Current Tariff Sheets
P3.1 Curr&Appl For Rtl Srv Chg	Enter Retail Service Charges from Current Tariff Sheets

Ontario Energy Board
Commission de l'énergie de l'Ontario

3rd Generation Incentive Regulation Mechanism

Purpose of this worksheet:

This worksheet sets up the "General" rate classes and metrics applied to the rate classes.

Instructions:

1. Obtain a copy of your current tariff sheet.
2. Enter rate classes in the order found under Monthly Rates and Charges (general classes only). Select a Rate Group first and then a corresponding Rate Class.

Rate Group	Rate Class	Applied for Status	Fixed Metric	Vol Metric
RES	Residential	Continuing	Customer - 12 per year	kWh
GSLT50	General Service Less Than 50 kW	Continuing	Customer - 12 per year	kWh
GSGT50	General Service 50 to 999 kW	Continuing	Customer - 12 per year	kW
GSGT50	General Service 1,000 to 4,999 kW	Continuing	Customer - 12 per year	kW
LU	Large Use > 5000 kW	Continuing	Customer - 12 per year	kW
USL	Unmetered Scattered Load	Continuing	Customer -12 per year	kWh
Sen	Sentinel Lighting	Continuing	Connection - 12 per year	kW
SL	Street Lighting	Continuing	Connection - 12 per year	kW
NA	Rate Class 9	NA	NA	NA
NA	Rate Class 10	NA	NA	NA
NA	Rate Class 11	NA	NA	NA
NA	Rate Class 12	NA	NA	NA
NA	Rate Class 13	NA	NA	NA
NA	Rate Class 14	NA	NA	NA
NA	Rate Class 15	NA	NA	NA
NA	Rate Class 16	NA	NA	NA
NA	Rate Class 17	NA	NA	NA
NA	Rate Class 18	NA	NA	NA
NA	Rate Class 19	NA	NA	NA
NA	Rate Class 20	NA	NA	NA
NA	Rate Class 21	NA	NA	NA
NA	Rate Class 22	NA	NA	NA
NA	Rate Class 23	NA	NA	NA
NA	Rate Class 24	NA	NA	NA
NA	Rate Class 25	NA	NA	NA

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mechanism

Purpose of this worksheet:

This worksheet sets up the "Unique" rate classes and metrics applied to the rate classes.

Instructions:

1. Obtain a copy of your current tariff sheet.
2. Enter rate classes in the order found under Monthly Rates and Charges (unique classes only). Select a Rate Group first and then a corresponiding Rate Class.

Rate Group	Rate Class	Applied for Status	Fixed Metric	Vol Metric
NA	Rate Class 26	NA	NA	NA
NA	Rate Class 27	NA	NA	NA
NA	Rate Class 28	NA	NA	NA
NA	Rate Class 29	NA	NA	NA
NA	Rate Class 30	NA	NA	NA
NA	Rate Class 31	NA	NA	NA
NA	Rate Class 32	NA	NA	NA
NA	Rate Class 33	NA	NA	NA
NA	Rate Class 34	NA	NA	NA
NA	Rate Class 35	NA	NA	NA

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mechanism

Purpose of this sheet:
To record the current smart meter rate adder which will be removed from affected rates to return to base distribution rates

Rate Adder	Smart Meter Rate Adder
Applied for Status	Discontinuing
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	0.000000

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer - 12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer - 12 per year	0.000000	kWh
General Service 50 to 999 kW	Yes	0.000000	Customer - 12 per year	0.000000	kW
General Service 1,000 to 4,999 kW	Yes	0.000000	Customer - 12 per year	0.000000	kW
Large Use > 5000 kW	Yes	0.000000	Customer - 12 per year	0.000000	kW

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mechanism

Purpose of this sheet:
To record the current LRAM/SSM rate rider (if applicable)

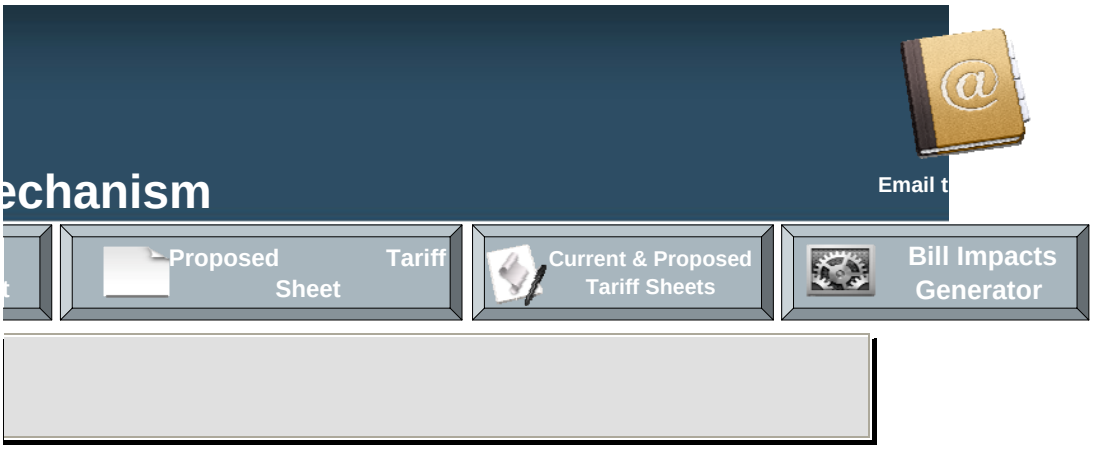
Rate Rider	Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery Rate Rider
Sunset Date	
	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

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 999 kW	No	0.000000	Customer - 12 per year	0.000000	kW
General Service 1,000 to 4,999 kW	No	0.000000	Customer - 12 per year	0.000000	kW
Large Use > 5000 kW	No	0.000000	Customer - 12 per year	0.000000	kW
Unmetered Scattered Load	No	0.000000	Customer -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

Purpose of this sheet:
To record the current Deferral Account rate rider (if applicable)

Rate Rider	Deferral Account Rate Rider
Sunset Date	
	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount
Residential	No	0.000000
General Service Less Than 50 kW	No	0.000000
General Service 50 to 999 kW	No	0.000000
General Service 1,000 to 4,999 kW	No	0.000000
Large Use > 5000 kW	No	0.000000
Unmetered Scattered Load	No	0.000000
Sentinel Lighting	No	0.000000
Street Lighting	No	0.000000



Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer -12 per year	0.000000	kWh
Connection - 12 per year	0.000000	kW
Connection - 12 per year	0.000000	kW

C2.2 Deferral Account RateRider

Purpose of this sheet:
To record the current Sale of Dawson Road Propoerty rate rider (if ap

Rate Rider	Sale of Dawson Road Property Rate Rider
Sunset Date	
	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	0.000000

Rate Class	Applied to Class
Residential	Yes
General Service Less Than 50 kW	Yes
General Service 50 to 999 kW	Yes
General Service 1,000 to 4,999 kW	Yes
Large Use > 5000 kW	Yes
Unmetered Scattered Load	Yes
Sentinel Lighting	Yes
Street Lighting	Yes

anism

pplicable)

Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
0.000000	Customer - 12 per year	0.000000	kWh
0.000000	Customer - 12 per year	0.000000	kWh
0.000000	Customer - 12 per year	0.000000	kW
0.000000	Customer - 12 per year	0.000000	kW
0.000000	Customer - 12 per year	0.000000	kW
0.000000	Customer -12 per year	0.000000	kWh
0.000000	Connection - 12 per year	0.000000	kW
0.000000	Connection - 12 per year	0.000000	kW

Purpose of this sheet:
To record the current Service Charge For Smart Meter rate rider (if a

Rate Rider

Sunset Date

Metric Applied To

Method of Application

Uniform Service Charge Amount

Rate Class
Residential
General Service Less Than 50 kW
General Service 50 to 999 kW
General Service 1,000 to 4,999 kW
Large Use > 5000 kW

vice Charge For Smart Meter rate rider (if applicable)

Service Charge Rate Rider for Smart Meter
DD/MM/YYYY
Metered Customers
Uniform Service Charge
0.000000

Applied to Class	Fixed Amount	Fixed Metric
Yes	0.000000	Customer - 12 per year
Yes	0.000000	Customer - 12 per year
Yes	0.000000	Customer - 12 per year
Yes	0.000000	Customer - 12 per year
Yes	0.000000	Customer - 12 per year

Vol Amount	Vol Metric
0.000000	kWh
0.000000	kWh
0.000000	kW
0.000000	kW
0.000000	kW

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3rd Generation Incentive Regulation Mecha

Purpose of this sheet:
To record the current Foregone Distribution Revenue rate rider (if applic

Rate Rider	Foregone Distribution Revenue Rate Rider
Sunset Date	
	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Both Distinct

Rate Class	Applied to Class
Residential	No
General Service Less Than 50 kW	No
General Service 50 to 999 kW	No
General Service 1,000 to 4,999 kW	No
Large Use > 5000 kW	No
Unmetered Scattered Load	No
Sentinel Lighting	No
Street Lighting	No

lechanism

if applicable)

Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
0.000000	Customer - 12 per year	0.000000	kWh
0.000000	Customer - 12 per year	0.000000	kWh
0.000000	Customer - 12 per year	0.000000	kW
0.000000	Customer - 12 per year	0.000000	kW
0.000000	Customer - 12 per year	0.000000	kW
0.000000	Customer -12 per year	0.000000	kWh
0.000000	Connection - 12 per year	0.000000	kW
0.000000	Connection - 12 per year	0.000000	kW

Ontario Energy Board
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3rd Generation Incentive Regulation Mechanism

Purpose of this worksheet:
This worksheet shows the current Monthly Rates and Charges for the general rate

Rate Class

Residential

Rate Description

Service Charge
Service Charge Rate Rider for Service Charge Rate Rider for Smart Meter – effective until
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service Less Than 50 kW

Rate Description

Service Charge
Service Charge Rate Rider for Service Charge Rate Rider for Smart Meter – effective until
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service 50 to 999 kW

Rate Description

Service Charge
Service Charge Rate Rider for Service Charge Rate Rider for Smart Meter – effective until
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Network Service Rate – Interval metered
Retail Transmission Rate – Line and Transformation Connection Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service 1,000 to 4,999 kW

Rate Description

Service Charge
Service Charge Rate Rider for Service Charge Rate Rider for Smart Meter – effective until
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Large Use > 5000 kW

Rate Description

Service Charge
Service Charge Rate Rider for Service Charge Rate Rider for Smart Meter – effective until
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Unmetered Scattered Load

Rate Description

Service Charge
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Sentinel Lighting

Rate Description

Service Charge (per connection)
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Street Lighting

Rate Description

Service Charge (per connection)
Distribution Volumetric Rate
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

ate classes.

Metric	Rate
$	8.13
$	0.27
$/kWh	0.0119
$/kWh	0.0048
$/kWh	0.0043
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	8.88
$	0.27
$/kWh	0.0182
$/kWh	0.0043
$/kWh	0.0039
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate

$	43.04
$	0.27
$/kW	3.7495
$/kW	1.5637
$/kW	2.0042
$/kW	0.0000
$/kW	1.3885
$/kW	1.7637
$/kW	0.0000
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	1,532.52
$	0.27
$/kW	3.4039
$/kW	2.0042
$/kW	0.0000
$/kW	0.0000
$/kW	1.7637
$/kW	0.0000
$/kW	0.0000
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	10,207.56
$	0.27
$/kW	2.8064
$/kW	2.1354
$/kW	0.0000
$/kW	0.0000
$/kW	1.9245
$/kW	0.0000
$/kW	0.0000
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	4.69
$/kWh	0.0195
$/kWh	0.0043
$/kWh	0.0039
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	3.23
$/kW	7.3144
$/kW	1.0785
$/kW	1.6300
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	0.74
$/kW	11.6448
$/kW	1.0602
$/kW	1.6024
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Purpose of this worksheet:

This worksheet shows the Monthly Rates and Charges for the unique ra

chanism

ue rate classes (if applicable).

Ontario Energy Board
Commission de l'énergie de l'Ontario

3rd Generation Incentive Regulation Mechanism

Previous | Forward | Current Tariff Sheet

Purpose of this Worksheet :

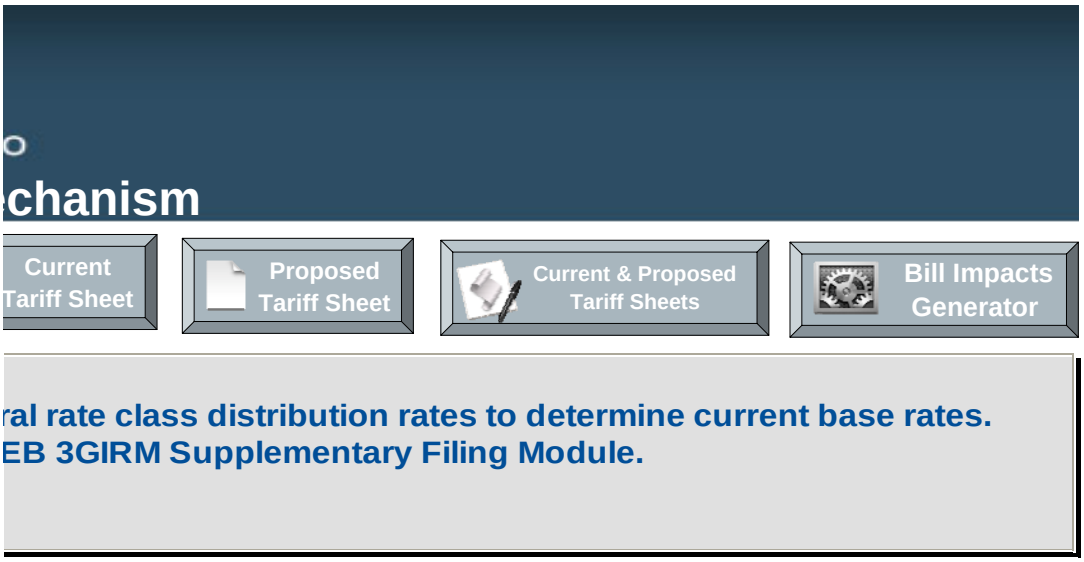
This worksheet removes all rate adders from the general rate class d
Please enter these rates onto sheet B2.1 of the 2009 OEB 3GIRM Sup

Service Charge

Class	Metric	Current Rates
Residential	Customer - 12 per year	8.130000
General Service Less Than 50 kW	Customer - 12 per year	8.880000
General Service 50 to 999 kW	Customer - 12 per year	43.040000
General Service 1,000 to 4,999 kW	Customer - 12 per year	1,532.520000
Large Use > 5000 kW	Customer - 12 per year	10,207.560000
Unmetered Scattered Load	Customer -12 per year	4.690000
Sentinel Lighting	Connection - 12 per year	3.230000
Street Lighting	Connection - 12 per year	0.740000

Distribution Volumetric Rate

Class	Metric	Current Rates
Residential	kWh	0.011900
General Service Less Than 50 kW	kWh	0.018200
General Service 50 to 999 kW	kW	3.749500
General Service 1,000 to 4,999 kW	kW	3.403900
Large Use > 5000 kW	kW	2.806400
Unmetered Scattered Load	kWh	0.019500
Sentinel Lighting	kW	7.314400
Street Lighting	kW	11.644800



Smart Meter Rate Adder	Current Base Rates
0.000000	8.130000
0.000000	8.880000
0.000000	43.040000
0.000000	1,532.520000
0.000000	10,207.560000
0.000000	4.690000
0.000000	3.230000
0.000000	0.740000

Smart Meter Rate Adder	Current Base Rates
0.000000	0.011900
0.000000	0.018200
0.000000	3.749500
0.000000	3.403900
0.000000	2.806400
0.000000	0.019500
0.000000	7.314400
0.000000	11.644800

Purpose of this Worksheet :

This worksheet removes all rate adders from the unique rate class d

Please enter these rates onto sheet B2.2 of the 2009 OEB 3GIRM Su

Service Charge

Class	Metric	Current Rates	Current Base Rates

Distribution Volumetric Rate

Class	Metric	Current Rates	Current Base Rates

chanism

ass distribution rates to determine current base rates.

M Supplementary Filing Module (if applicable).

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this Worksheet :

This worksheet allows the applicant to add the Revenue Cost Ratio A Supplementary Filing Module for general rate classes (if applicable).

Instructions:

Transfer the resultant adjustments found in Columns J, K & L from s

Rate Rebalancing Adjustment

Metric Applied To

Method of Application

Monthly Service Charge

Class
Residential
General Service Less Than 50 kW
General Service 50 to 999 kW
General Service 1,000 to 4,999 kW
Large Use > 5000 kW
Unmetered Scattered Load
Sentinel Lighting
Street Lighting

Volumetric Distribution Charge

Class
Residential
General Service Less Than 50 kW
General Service 50 to 999 kW
General Service 1,000 to 4,999 kW
Large Use > 5000 kW
Unmetered Scattered Load

Sentinel Lighting
Street Lighting

nergy Board
de l'énergie de l'Ontario
on Incentive Regulation Mechanism

e applicant to add the Revenue Cost Ratio Adjustments as calculated in the 2009 OEE
dule for general rate classes (if applicable).

justments found in Columns J, K & L from sheet "C3.1 CA RevCst -PropPos- Gen"

Revenue Cost Ratio Adjustment - General Rate Class

All Customers

Both Distinct$

Metric	Base Rate	To This Class
Customer - 12 per year	8.130000	Yes
Customer - 12 per year	8.880000	Yes
Customer - 12 per year	43.040000	Yes
Customer - 12 per year	1532.520000	Yes
Customer - 12 per year	10207.560000	Yes
Customer -12 per year	4.690000	Yes
Connection - 12 per year	3.230000	Yes
Connection - 12 per year	0.740000	Yes

Metric	Base Rate	To This Class
kWh	0.011900	Yes
kWh	0.018200	Yes
kW	3.749500	Yes
kW	3.403900	Yes
kW	2.806400	Yes
kWh	0.019500	Yes

kW	7.314400	Yes
kW	11.644800	Yes

e 2009 OEB 3GIRM

s- Gen"

$ Adjustment	Adj To Base
0.240000	0.240000
- 0.190000	- 0.190000
- 0.160000	- 0.160000
- 275.410000	- 275.410000
- 2,458.420000	- 2,458.420000
- 0.690000	- 0.690000
0.190000	0.190000
0.150000	0.150000

$ Adjustment	Adj To Base
0.000300	0.000300
- 0.000400	- 0.000400
- 0.014200	- 0.014200
- 0.611700	- 0.611700
- 0.675900	- 0.675900
- 0.002800	- 0.002800

0.437700	0.437700
2.394500	2.394500

Purpose of this Worksheet :

This worksheet allows the applicant to add the Revenue to Cost Rat
3GIRM Supplementary Filing Module for unique rate classes (if appli

Instructions:

Transfer the resultant adjustments found in Columns J, K & L from s

Rate Rebalancing Adjustment

Metric Applied To

Method of Application

Monthly Service Charge

Class

Volumetric Distribution Charge

Class

nergy Board
de l'énergie de l'Ontario
on Incentive Regulation Mechanism

he applicant to add the Revenue to Cost Ratio Adjustments as calculated in the 2009 C
iling Module for unique rate classes (if applicable).

djustments found in Columns J, K & L from sheet "C3.2 CA RevCst -PropPos- Unq"

Revenue Cost Ratio Adjustment - Unique Rate Class

All Customers

Both Distinct$

Metric	Base Rate	To This Class	$ Adjustment

Metric	Base Rate	To This Class	$ Adjustment

Adj To Base

Adj To Base

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this Worksheet :

This worksheet allows the applicant to add the K-factor Adjustment a
Supplementary Filing Module for general rate classes.

Instructions:

Transfer the resultant adjustments found in K-factor Adjustment AX f

Rate Rebalancing Adjustment	K-Factor Adjustment - General Class
Metric Applied To	All Customers
Method of Application	Both Uniform%
Uniform Service Charge Percent	-0.310%

Monthly Service Charge

Class	Metric	Base Rate
Residential	Customer - 12 per year	8.130000
General Service Less Than 50 kW	Customer - 12 per year	8.880000
General Service 50 to 999 kW	Customer - 12 per year	43.040000
General Service 1,000 to 4,999 kW	Customer - 12 per year	1532.520000
Large Use > 5000 kW	Customer - 12 per year	10207.560000
Unmetered Scattered Load	Customer -12 per year	4.690000
Sentinel Lighting	Connection - 12 per year	3.230000
Street Lighting	Connection - 12 per year	0.740000

Volumetric Distribution Charge

Class	Metric	Base Rate
Residential	kWh	0.011900
General Service Less Than 50 kW	kWh	0.018200
General Service 50 to 999 kW	kW	3.749500
General Service 1,000 to 4,999 kW	kW	3.403900
Large Use > 5000 kW	kW	2.806400
Unmetered Scattered Load	kWh	0.019500
Sentinel Lighting	kW	7.314400
Street Lighting	kW	11.644800

anism

t as calculated in the 2009 OEB 3GIRM

X from sheet "E1.2 K-Factor Adjustment"

Uniform Volumetric Charge Percent	-0.310%	**kWh**
	-0.310%	**kW**

To This Class	% Adjustment		Adj To Base
Yes	-0.310%	-	0.025225
Yes	-0.310%	-	0.027552
Yes	-0.310%	-	0.133538
Yes	-0.310%	-	4.754879
Yes	-0.310%	-	31.670523
Yes	-0.310%	-	0.014551
Yes	-0.310%	-	0.010022
Yes	-0.310%	-	0.002296

To This Class	% Adjustment		Adj To Base
Yes	-0.310%	-	0.000037
Yes	-0.310%	-	0.000056
Yes	-0.310%	-	0.011633
Yes	-0.310%	-	0.010561
Yes	-0.310%	-	0.008707
Yes	-0.310%	-	0.000061
Yes	-0.310%	-	0.022694
Yes	-0.310%	-	0.036130

Purpose of this Worksheet :

This worksheet allows the applicant to add the K-factor Adjustment a Supplementary Filing Module for unique rate classes (if applicable).

Instructions:

Transfer the resultant adjustments found in K-factor Adjustment AX t

Rate Rebalancing Adjustment	K-Factor Adjustment - Unique Class
Metric Applied To	All Customers
Method of Application	Both Uniform%
Uniform Service Charge Percent	0.000%

Monthly Service Charge

Class	Metric	Base Rate

Volumetric Distribution Charge

Class	Metric	Base Rate

chanism

ıent as calculated in the 2009 OEB 3GIRM
ble).

t AX from sheet "E1.2 K-Factor Adjustment"

Uniform Volumetric Charge Percent	0.000%	**kWh**
	0.000%	**kW**

To This Class	**% Adjustment**	**Adj To Base**

To This Class	**% Adjustment**	**Adj To Base**

Purpose of this Worksheet :

This worksheet shows the calculation of Base Rates for general rate applied to.

Monthly Service Charge

Class	Metric	Base Rate
Residential	Customer - 12 per year	8.130000
General Service Less Than 50 kW	Customer - 12 per year	8.880000
General Service 50 to 999 kW	Customer - 12 per year	43.040000
General Service 1,000 to 4,999 kW	Customer - 12 per year	1,532.520000
Large Use > 5000 kW	Customer - 12 per year	10,207.560000
Unmetered Scattered Load	Customer -12 per year	4.690000
Sentinel Lighting	Connection - 12 per year	3.230000
Street Lighting	Connection - 12 per year	0.740000

Volumetric Distribution Charge

Class	Metric	Base Rate
Residential	kWh	0.011900
General Service Less Than 50 kW	kWh	0.018200
General Service 50 to 999 kW	kW	3.749500
General Service 1,000 to 4,999 kW	kW	3.403900
Large Use > 5000 kW	kW	2.806400
Unmetered Scattered Load	kWh	0.019500
Sentinel Lighting	kW	7.314400
Street Lighting	kW	11.644800

Mechanism

eneral rate classes to which the price cap index will be

Revenue Cost Ratio Adjustment - General Rate Class	K-Factor Adjustment - General Class	Rate ReBal Base
0.240000	-0.025225	8.344775
-0.190000	-0.027552	8.662448
-0.160000	-0.133538	42.746462
-275.410000	-4.754879	1,252.355121
-2,458.420000	-31.670523	7,717.469477
-0.690000	-0.014551	3.985449
0.190000	-0.010022	3.409978
0.150000	-0.002296	0.887704

Revenue Cost Ratio Adjustment - General Rate Class	K-Factor Adjustment - General Class	Rate ReBal Base
0.000300	-0.000037	0.012163
-0.000400	-0.000056	0.017744
-0.014200	-0.011633	3.723667
-0.611700	-0.010561	2.781639
-0.675900	-0.008707	2.121793
-0.002800	-0.000061	0.016639
0.437700	-0.022694	7.729406
2.394500	-0.036130	14.003170

Purpose of this Worksheet :

This worksheet shows the calculation of Base Rates for unique rate be applied to (if applicable).

Monthly Service Charge

Class	Metric	Base Rate	Revenue Cost Ratio Adjustment - Unique Rate Class

Volumetric Distribution Charge

Class	Metric	Base Rate	Revenue Cost Ratio Adjustment - Unique Rate Class

n Mechanism

unique rate classes to which the price cap adjustment will

K-Factor Adjustment - Unique Class	**Rate ReBal Base**

K-Factor Adjustment - Unique Class	**Rate ReBal Base**

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this Worksheet :

This worksheet allows the applicant to add the Price Cap Index as ca
Filing Module for general rate classes (if applicable).

Instructions:

Transfer the resultant adjustments found as Price Cap Index from sh

Price Cap Adjustment	Price Cap Adjustment - General Class
Metric Applied To	All Customers
Method of Application	Both Uniform%
Uniform Service Charge Percent	0.980%

Monthly Service Charge

Class	Metric	Base Rate
Residential	Customer - 12 per year	8.344775
General Service Less Than 50 kW	Customer - 12 per year	8.662448
General Service 50 to 999 kW	Customer - 12 per year	42.746462
General Service 1,000 to 4,999 kW	Customer - 12 per year	1252.355121
Large Use > 5000 kW	Customer - 12 per year	7717.469477
Unmetered Scattered Load	Customer -12 per year	3.985449
Sentinel Lighting	Connection - 12 per year	3.409978
Street Lighting	Connection - 12 per year	0.887704

Volumetric Distribution Charge

Class	Metric	Base Rate
Residential	kWh	0.012163
General Service Less Than 50 kW	kWh	0.017744
General Service 50 to 999 kW	kW	3.723667
General Service 1,000 to 4,999 kW	kW	2.781639
Large Use > 5000 kW	kW	2.121793
Unmetered Scattered Load	kWh	0.016639
Sentinel Lighting	kW	7.729406
Street Lighting	kW	14.003170

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calculated in the 2009 OEB 3GIRM Supplementary

sheet "G1.1 Threshold Parameters"

Uniform Volumetric Charge Percent	0.980%	**kWh**
	0.980%	**kW**

To This Class	% Adjustment	Adj To Base
Yes	0.980%	0.081779
Yes	0.980%	0.084892
Yes	0.980%	0.418915
Yes	0.980%	12.273080
Yes	0.980%	75.631201
Yes	0.980%	0.039057
Yes	0.980%	0.033418
Yes	0.980%	0.008699

To This Class	% Adjustment	Adj To Base
Yes	0.980%	0.000119
Yes	0.980%	0.000174
Yes	0.980%	0.036492
Yes	0.980%	0.027260
Yes	0.980%	0.020794
Yes	0.980%	0.000163
Yes	0.980%	0.075748
Yes	0.980%	0.137231

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this Worksheet :

This worksheet allows the applicant to add the Price Cap Index as ca
Filing Module for unique rate classes (if applicable).

Instructions:

Transfer the resultant adjustments found as Price Cap Index from sh

Price Cap Adjustment	Price Cap Adjustment - Unique Class
Metric Applied To	All Customers
Method of Application	Both Uniform%
Uniform Service Charge Percent	0.000%

Monthly Service Charge

Class	Metric	Base Rate

Volumetric Distribution Charge

Class	Metric	Base Rate

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s calculated in the 2009 OEB 3GIRM Supplementary

n sheet "G1.1 Threshold Parameters"

Uniform Volumetric Charge Percent	0.000%	**kWh**
	0.000%	**kW**

To This Class	**% Adjustment**	**Adj To Base**

To This Class	**% Adjustment**	**Adj To Base**

Purpose of this Worksheet :

This worksheet shows the calculation of Base Rates for general rate applied.

Monthly Service Charge

Class	Metric	Base Rate
Residential	Customer - 12 per year	8.344775
General Service Less Than 50 kW	Customer - 12 per year	8.662448
General Service 50 to 999 kW	Customer - 12 per year	42.746462
General Service 1,000 to 4,999 kW	Customer - 12 per year	1252.355121
Large Use > 5000 kW	Customer - 12 per year	7717.469477
Unmetered Scattered Load	Customer -12 per year	3.985449
Sentinel Lighting	Connection - 12 per year	3.409978
Street Lighting	Connection - 12 per year	0.887704

Volumetric Distribution Charge

Class	Metric	Base Rate
Residential	kWh	0.012163
General Service Less Than 50 kW	kWh	0.017744
General Service 50 to 999 kW	kW	3.723667
General Service 1,000 to 4,999 kW	kW	2.781639
Large Use > 5000 kW	kW	2.121793
Unmetered Scattered Load	kWh	0.016639
Sentinel Lighting	kW	7.729406
Street Lighting	kW	14.003170

on Mechanism

r general rate classes after the price cap index has been

Price Cap Adjustment - General Class	After Price Cape Base
0.081779	8.426554
0.084892	8.747340
0.418915	43.165377
12.273080	1264.628201
75.631201	7793.100678
0.039057	4.024506
0.033418	3.443396
0.008699	0.896403

Price Cap Adjustment - General Class	After Price Cape Base
0.000119	0.012282
0.000174	0.017918
0.036492	3.760159
0.027260	2.808899
0.020794	2.142587
0.000163	0.016802
0.075748	7.805154
0.137231	14.140401

Purpose of this Worksheet :

This worksheet shows the calculation of Base Rates for unique rate applied (if applicable).

Monthly Service Charge

Class	Metric	Base Rate	Price Cap Adjustment - Unique Class

Volumetric Distribution Charge

Class	Metric	Base Rate	Price Cap Adjustment - Unique Class

n Mechanism

unique rate classes after the price cap index has been

After Price Cape Base

After Price Cape Base

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this sheet:
To record the proposed smart meter rate adder that will be added to a rates.

Rate Adder	Smart Meter Rate Adder
Applied for Status	Discontinuing
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	0.000000

Rate Class	Applied to Class	Fixed Amount
Residential	Yes	0.000000
General Service Less Than 50 kW	Yes	0.000000
General Service 50 to 999 kW	Yes	0.000000
General Service 1,000 to 4,999 kW	Yes	0.000000
Large Use > 5000 kW	Yes	0.000000

rio
tion Mechanism

ill be added to affected rates to the adjusted base distribution

Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW

Purpose of this sheet:
To record the proposed LRAM/SSM rate rider which will be added to rates (if applicable).

Rate Rider

Sunset Date

Metric Applied To

Method of Application

Rate Class

Residential
General Service Less Than 50 kW
General Service 50 to 999 kW
General Service 1,000 to 4,999 kW
Large Use > 5000 kW
Unmetered Scattered Load
Sentinel Lighting
Street Lighting

osed LRAM/SSM rate rider which will be added to affected rates to the adjusted base d

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

30/04/2009

DD/MM/YYYY

All Customers

Distinct Volumetric

Applied to Class	Fixed Amount	Fixed Metric
Yes	0.000000	Customer - 12 per year
No	0.000000	Customer - 12 per year
No	0.000000	Customer - 12 per year
No	0.000000	Customer - 12 per year
No	0.000000	Customer - 12 per year
Yes	0.000000	Customer -12 per year
No	0.000000	Connection - 12 per year
No	0.000000	Connection - 12 per year

d base distribution

Vol Amount	Vol Metric
0.000400	kWh
0.000000	kWh
0.000000	kW
0.000000	kW
0.000000	kW
0.005800	kWh
0.000000	kW
0.000000	kW

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this sheet:
To record the proposed Deferral Account rate rider (if applicable).

Rate Rider	Deferral Account Rate Rider
Sunset Date	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount
Residential	No	0.000000
General Service Less Than 50 kW	No	0.000000
General Service 50 to 999 kW	No	0.000000
General Service 1,000 to 4,999 kW	No	0.000000
Large Use > 5000 kW	No	0.000000
Unmetered Scattered Load	No	0.000000
Sentinel Lighting	No	0.000000
Street Lighting	No	0.000000

on Mechanism

pplicable).

Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer -12 per year	0.000000	kWh
Connection - 12 per year	0.000000	kW
Connection - 12 per year	0.000000	kW

Purpose of this sheet:
To record the proposed Service Charge for Smart Meters rate rider (if

Rate Rider	Service Charge Rate Rider for Smart Meter
Sunset Date	30/04/2009 (DD/MM/YYYY)
Metric Applied To	Metered Customers
Method of Application	Uniform Service Charge
Uniform Service Charge Amount	1.000000

Rate Class	Applied to Class	Fixed Amount
Residential	Yes	1.000000
General Service Less Than 50 kW	Yes	1.000000
General Service 50 to 999 kW	Yes	1.000000
General Service 1,000 to 4,999 kW	Yes	1.000000
Large Use > 5000 kW	Yes	1.000000

anism

(if applicable).

Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this sheet:
To record the proposed Foregone Distribution Revenue rate rider (if

Rate Rider	Foregone Distribution Revenue Rate Rider
Sunset Date	DD/MM/YYYY
Metric Applied To	All Customers
Method of Application	Both Distinct

Rate Class	Applied to Class	Fixed Amount
Residential	No	0.000000
General Service Less Than 50 kW	No	0.000000
General Service 50 to 999 kW	No	0.000000
General Service 1,000 to 4,999 kW	No	0.000000
Large Use > 5000 kW	No	0.000000
Unmetered Scattered Load	No	0.000000
Sentinel Lighting	No	0.000000
Street Lighting	No	0.000000

hanism

if applicable)

Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kWh
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer - 12 per year	0.000000	kW
Customer -12 per year	0.000000	kWh
Connection - 12 per year	0.000000	kW
Connection - 12 per year	0.000000	kW

Purpose of this Worksheet :

This worksheet allows the applicant to record the Tax Change rate ric Supplementary Filing Module for general rate classes (if applicable).

Instructions:

Transfer the resultant adjustments found as a rate adder from sheet " sheet "F1.3 CalcTaxChg RRider OptB Vol" F and G or as otherwise calculat

Rate Rider	Tax Change Rate Rider
Sunset Date	30/04/2009 (DD/MM/YYYY)
Metric Applied To	All Customers
Method of Application	Both Distinct

Rate Class	Applied to Class	Fixed Amount
Residential	Yes	-0.008083
General Service Less Than 50 kW	Yes	-0.008392
General Service 50 to 999 kW	Yes	-0.041408
General Service 1,000 to 4,999 kW	Yes	-1.213955
Large Use > 5000 kW	Yes	-7.483124
Unmetered Scattered Load	Yes	-0.003863
Sentinel Lighting	Yes	-0.003303
Street Lighting	Yes	-0.000859

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tion Mechanism

Change rate rider as calculated in the 2009 OEB 3GIRM (if applicable).

ler from sheet "F1.2 CalcTaxChg RRider OptA FV" K,L and M or erwise calculated by the applicant.

Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	-0.000012	kWh
Customer - 12 per year	-0.000017	kWh
Customer - 12 per year	-0.003607	kW
Customer - 12 per year	-0.002696	kW
Customer - 12 per year	-0.002057	kW
Customer -12 per year	-0.000016	kWh
Connection - 12 per year	-0.007486	kW
Connection - 12 per year	-0.013557	kW

Purpose of this Worksheet :

This worksheet allows the applicant to record the Incremental Capita Supplementary Filing Module for general rate classes (if applicable).

Instructions:

Transfer the resultant adjustments found as a rate adder from sheet ' sheet "G4.3 Incr Cap RRider Opt B Vol " F and G or as otherwise calc

Rate Rider	Incremental Capital Rate Rider
Sunset Date	30/04/2009 (DD/MM/YYYY)
Metric Applied To	All Customers
Method of Application	Both Distinct

Rate Class	Applied to Class	Fixed Amount
Residential	Yes	0.000000
General Service Less Than 50 kW	Yes	0.000000
General Service 50 to 999 kW	Yes	0.000000
General Service 1,000 to 4,999 kW	Yes	0.000000
Large Use > 5000 kW	Yes	0.000000
Unmetered Scattered Load	Yes	0.000000
Sentinel Lighting	Yes	0.000000
Street Lighting	Yes	0.000000

io
ion Mechanism

emental Capital rate rider as calculated in the 2009 OEB 3GIRM (if applicable).

ler from sheet "G4.2 Incr Cap RRider Opt A FV" K,L and M or otherwise calculated by the applicant.

Fixed Metric	Vol Amount	Vol Metric
Customer - 12 per year	0.000527	kWh
Customer - 12 per year	0.000496	kWh
Customer - 12 per year	0.096955	kW
Customer - 12 per year	0.086120	kW
Customer - 12 per year	0.083055	kW
Customer -12 per year	0.000493	kWh
Connection - 12 per year	0.732403	kW
Connection - 12 per year	0.451309	kW

Purpose of this Worksheet :

This worksheet adds all rate adders proposed earlier to the general ra distribution rates.

Monthly Service Charge

Class	Metric	Base Rate
Residential	Customer - 12 per year	8.426554
General Service Less Than 50 kW	Customer - 12 per year	8.747340
General Service 50 to 999 kW	Customer - 12 per year	43.165377
General Service 1,000 to 4,999 kW	Customer - 12 per year	1,264.628201
Large Use > 5000 kW	Customer - 12 per year	7,793.100678
Unmetered Scattered Load	Customer -12 per year	4.024506
Sentinel Lighting	Connection - 12 per year	3.443396
Street Lighting	Connection - 12 per year	0.896403

Volumetric Distribution Charge

Class	Metric	Base Rate
Residential	kWh	0.012282
General Service Less Than 50 kW	kWh	0.017918
General Service 50 to 999 kW	kW	3.760159
General Service 1,000 to 4,999 kW	kW	2.808899
Large Use > 5000 kW	kW	2.142587
Unmetered Scattered Load	kWh	0.016802
Sentinel Lighting	kW	7.805154
Street Lighting	kW	14.140401

n Mechanism

he general rate class distribution rates to determine final base

Smart Meter Rate Adder	Final Base
0.000000	8.426554
0.000000	8.747340
0.000000	43.165377
0.000000	1,264.628201
0.000000	7,793.100678
0.000000	4.024506
0.000000	3.443396
0.000000	0.896403

Smart Meter Rate Adder	Final Base
0.000000	0.012282
0.000000	0.017918
0.000000	3.760159
0.000000	2.808899
0.000000	2.142587
0.000000	0.016802
0.000000	7.805154
0.000000	14.140401

Purpose of this Worksheet :

This worksheet adds all rate adders as proposed earlier to the un final base distribution rates (if applicable).

Monthly Service Charge

Class	Metric	Base Rate	Final Base

Volumetric Distribution Charge

Class	Metric	Base Rate	Final Base

Mechanism

the unique rate class distribution rates to determine

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mecha

Purpose of this Worksheet :
Uniform Transmission Network rates have changed. This worksheet

Method of Application	Uniform Percentage
Uniform Percentage	11.300%

Rate Class	Applied to Class
Residential	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kWh

Rate Class	Applied to Class
General Service Less Than 50 kW	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kWh

Rate Class	Applied to Class
General Service 50 to 999 kW	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kW
Retail Transmission Rate – Network Service Rate – Interval metered	$/kW

Rate Class	Applied to Class
General Service 1,000 to 4,999 kW	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kW

Rate Class	Applied to Class
Large Use > 5000 kW	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kW

Rate Class	Applied to Class
Unmetered Scattered Load	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kWh

Rate Class	Applied to Class
Sentinel Lighting	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kW

Rate Class	Applied to Class
Street Lighting	Yes

Rate Description	Vol Metric
Retail Transmission Rate – Network Service Rate	$/kW

echanism

ksheet is a placeholder at this time.

Current Amount	% Adjustment	$ Adjustment	Final Amount
0.004800	11.300%	0.000542	0.005342

Current Amount	% Adjustment	$ Adjustment	Final Amount
0.004300	11.300%	0.000486	0.004786

Current Amount	% Adjustment	$ Adjustment	Final Amount
1.563700	11.300%	0.176698	1.740398
2.004200	11.300%	0.226475	2.230675

Current Amount	% Adjustment	$ Adjustment	Final Amount
2.004200	11.300%	0.226475	2.230675

Current Amount	% Adjustment	$ Adjustment	Final Amount
2.135400	11.300%	0.241300	2.376700

Current Amount	% Adjustment	$ Adjustment	Final Amount
0.004300	11.300%	0.000486	0.004786

Current Amount	% Adjustment	$ Adjustment	Final Amount
1.078500	11.300%	0.121871	1.200371

Current Amount	% Adjustment	$ Adjustment	Final Amount
1.060200	11.300%	0.119803	1.180003

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mechanism

Purpose of this Worksheet :
Uniform Transmission Connection rates have changed. This worksheet is a plac

Method of Application

Uniform Percentage

Rate Class
Residential

Rate Description
Retail Transmission Rate – Line and Transformation Connection Service Rate

Rate Class
General Service Less Than 50 kW

Rate Description
Retail Transmission Rate – Line and Transformation Connection Service Rate

Rate Class
General Service 50 to 999 kW

Rate Description
Retail Transmission Rate – Line and Transformation Connection Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered

Rate Class
General Service 1,000 to 4,999 kW

Rate Description
Retail Transmission Rate – Line and Transformation Connection Service Rate

Rate Class

Large Use > 5000 kW

Rate Description

Retail Transmission Rate – Line and Transformation Connection Service Rate

Rate Class

Unmetered Scattered Load

Rate Description

Retail Transmission Rate – Line and Transformation Connection Service Rate

Rate Class

Sentinel Lighting

Rate Description

Retail Transmission Rate – Line and Transformation Connection Service Rate

Rate Class

Street Lighting

Rate Description

Retail Transmission Rate – Line and Transformation Connection Service Rate

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t is a placeholder at this time.

Uniform Percentage
19.200%

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kWh	0.004300	19.200%	0.000826	0.005126

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kWh	0.003900	19.200%	0.000749	0.004649

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kW	1.388500	19.200%	0.266592	1.655092
$/kW	1.763700	19.200%	0.338630	2.102330

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kW	1.763700	19.200%	0.338630	2.102330

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kW	1.924500	19.200%	0.369504	2.294004

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kWh	0.003900	19.200%	0.000749	0.004649

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kW	1.630000	19.200%	0.312960	1.942960

Applied to Class
Yes

Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
$/kW	1.602400	19.200%	0.307661	1.910061

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Purpose of this worksheet:

This worksheet shows the proposed Monthly Rates and Charges for the general rate classes.

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3rd Generation Incentive Regulation Mechanism

Purpose of this worksheet:

This worksheet shows the proposed Monthly Rates and Charges for the general rate classes.

Rate Class

Residential

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forLost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Me
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service Less Than 50 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service 50 to 999 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Network Service Rate – Interval metered
Retail Transmission Rate – Line and Transformation Connection Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service 1,000 to 4,999 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Large Use > 5000 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Unmetered Scattered Load

Rate Description

Service Charge
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forLost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Me
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Sentinel Lighting

Rate Description

Service Charge
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Street Lighting

Rate Description

Service Charge
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Metric	Rate
$	8.43
$	1.00
$	-0.01
$/kWh	0.0123
$/kWh	0.0004
$/kWh	0.0000
$/kWh	0.0005
$/kWh	0.0053
$/kWh	0.0051
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	8.75
$	1.00
$	-0.01
$/kWh	0.0179
$/kWh	0.0000
$/kWh	0.0005
$/kWh	0.0048
$/kWh	0.0046
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	43.17
$	1.00
$	-0.04
$/kW	3.7602
$/kW	-0.0036
$/kW	0.0970
$/kW	1.7404
$/kW	2.2307
$/kW	1.6551
$/kW	2.1023
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	1,264.63
$	1.00
$	-1.21
$/kW	2.8089
$/kW	-0.0027
$/kW	0.0861
$/kW	2.2307
$/kW	2.1023
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	7,793.10
$	1.00
$	-7.48
$/kW	2.1426
$/kW	-0.0021
$/kW	0.0831
$/kW	2.3767
$/kW	2.2940
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	4.02
$	0.00
$/kWh	0.0168
$/kWh	0.0058
$/kWh	0.0000
$/kWh	0.0005
$/kWh	0.0048
$/kWh	0.0046
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	3.44
$	0.00
$/kW	7.8052
$/kW	-0.0075
$/kW	0.7324
$/kW	1.2004
$/kW	1.9430
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	0.90
$	0.00
$/kW	14.1404
$/kW	-0.0136
$/kW	0.4513
$/kW	1.1800
$/kW	1.9101
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Purpose of this worksheet:

This worksheet shows the proposed Monthly Rates and Charges for

chanism

es for the unique rate classes (if applicable).

Enter your loss factors as shown on your current Board-approved tariff sc

Note: Loss Factors must be completed before the Bill Impact calculation s

LOSS FACTORS	Current
Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0487
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0382
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Mechanism

d tariff schedule.

ulation sheet can be generated.

Purpose of this worksheet:
This worksheet shows the changes made to Monthly Rates and Cha

	Fixed
Residential	($)
Current Rates	8.13
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	0.24
K-Factor Adjustment - General Class	-0.03
Price Cap Adj	
Price Cap Adjustment - General Class	0.08
Smart Meter Rate Adder	0.00
Applied For Rates	8.43
	0.00

	Fixed
General Service Less Than 50 kW	($)
Current Rates	8.88
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	-0.19
K-Factor Adjustment - General Class	-0.03
Price Cap Adj	
Price Cap Adjustment - General Class	0.08
Smart Meter Rate Adder	0.00
Applied For Rates	8.75
	0.00

	Fixed
General Service 50 to 999 kW	($)
Current Rates	43.04
Less Rate Adders	

Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	-0.16
K-Factor Adjustment - General Class	-0.13
Price Cap Adj	
Price Cap Adjustment - General Class	0.42
Smart Meter Rate Adder	0.00
Applied For Rates	43.17

0.00

	Fixed
General Service 1,000 to 4,999 kW	($)
Current Rates	1,532.52
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	-275.41
K-Factor Adjustment - General Class	-4.75
Price Cap Adj	
Price Cap Adjustment - General Class	12.27
Smart Meter Rate Adder	0.00
Applied For Rates	1,264.63

0.00

	Fixed
Large Use > 5000 kW	($)
Current Rates	10,207.56
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	-2,458.42
K-Factor Adjustment - General Class	-31.67
Price Cap Adj	
Price Cap Adjustment - General Class	75.63
Smart Meter Rate Adder	0.00
Applied For Rates	7,793.10

0.00

	Fixed
Unmetered Scattered Load	($)
Current Rates	4.69
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	-0.69
K-Factor Adjustment - General Class	-0.01
Price Cap Adj	
Price Cap Adjustment - General Class	0.04
Smart Meter Rate Adder	0.00
Applied For Rates	4.02

0.00

	Fixed
Sentinel Lighting	($)
Current Rates	3.23
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	0.19
K-Factor Adjustment - General Class	-0.01
Price Cap Adj	
Price Cap Adjustment - General Class	0.03
Smart Meter Rate Adder	0.00
Applied For Rates	3.44
	0.00

	Fixed
Street Lighting	($)
Current Rates	0.74
Less Rate Adders	
Smart Meter Rate Adder	0.00
Rate Rebalancing Adj	
Revenue Cost Ratio Adjustment - General Rate Class	0.15
K-Factor Adjustment - General Class	0.00
Price Cap Adj	
Price Cap Adjustment - General Class	0.01
Smart Meter Rate Adder	0.00
Applied For Rates	0.90
	0.00

on Mechanism

ates and Charges for the general rate classes.

Volumetric
$/kWh
0.0119

0.0000

0.0003
0.0000

0.0001
0.0000
0.0123
0.0000

Volumetric
$/kWh
0.0182

0.0000

-0.0004
-0.0001

0.0002
0.0000
0.0179
0.0000

Volumetric
$/kW
3.7495

0.0000

-0.0142
-0.0116

0.0365
0.0000
3.7602
0.0000

Volumetric
$/kW
3.4039

0.0000

-0.6117
-0.0106

0.0273
0.0000
2.8089
0.0000

Volumetric
$/kW
2.8064

0.0000

-0.6759
-0.0087

0.0208
0.0000
2.1426
0.0000

Volumetric
$/kWh
0.0195

0.0000

-0.0028
-0.0001

0.0002
0.0000
0.0168
0.0000

Volumetric
$/kW
7.3144

0.0000

0.4377
-0.0227

0.0757
0.0000
7.8052
0.0000

Volumetric
$/kW
11.6448

0.0000

2.3945
-0.0361

0.1372
0.0000
14.1404
0.0000

Ontario Energy Board
Commission de l'énergie de l'Ontario
3rd Generation Incentive Regulation Mechanism

Purpose of this worksheet:
This worksheet calculates the Bill Impact for the General rate classes.

Instructions:
1. From the drop down box in C20 select a rate class you wish to view.
2. To view all general rate classes click the Bill Impact Generator button and bill impacts for all rate cleasses will be set up in a seperate workbook.

General Service Less Than 50 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	8.88	8.75
Service Charge Rate Rider(s)	$	0.27	0.99
Distribution Volumetric Rate	$/kWh	0.0182	0.0179
Distribution Volumetric Rate Rider(s)	$/kWh	-	0.0005
Retail Transmission Rate – Network Service Rate	$/kWh	0.0043	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0039	0.0046
Retail Transmission Rate – Low Voltage Service Rate	$/kWh	-	-
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**10,000**	**kWh**	**-**	**kW**
RPP Tier One	**750**	**kWh**	***Load Factor***	

	Volume	RATE $	CHARGE $	Volume	RATE $
Energy First Tier (kWh)	600	0.0560	33.60	600	0.0560
Energy Second Tier (kWh)	449	0.0650	29.19	449	0.0650
Sub-Total: Energy			**62.79**		
Service Charge	1	8.88	8.88	1	8.75
Service Charge Rate Rider(s)	1	0.27	0.27	1	0.99
Distribution Volumetric Rate	10,000	0.0182	18.20	1,000	0.0179
Distribution Volumetric Rate Rider(s)	1,000	0.0000	0.00	1,000	0.0005

Total: Distribution			**27.35**		
Retail Transmission Rate – Network Service Rate	10,487	0.0043	4.51	1,049	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,049	0.0039	4.09	1,049	0.0046
Retail Transmission Rate – Low Voltage Service Rate	1,049	0.0000	0.00	1,049	0.0000
Total: Retail Transmission			**8.60**		
Sub-Total: Delivery (Distribution and Retail Transmission)			**35.95**		
Wholesale Market Service Rate	1,049	0.0052	5.45	1,049	0.0052
Rural Rate Protection Charge	1,049	0.0010	1.05	1,049	0.0010
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25
Sub-Total: Regulatory			**6.75**		
Debt Retirement Charge (DRC)	1,000	0.00700	**7.00**	1,000	0.00700
Total Bill before Taxes			**112.49**		
GST	112.49	5%	**5.62**	114.55	5%
			118.11		

Rate Class Threshold Test

General Service Less Than 50 kW

kWh	1,000	5,000	10,000	15,000	20,000
Loss Factor Adjusted kWh	263	630	1,049	1,678	2,360
kW					
Load Factor					

Energy

Applied For Bill	$ 14.73	$ 35.55	$ 62.78	$ 103.67	$ 148.00
Current Bill	$ 14.73	$ 35.55	$ 62.78	$ 103.67	$ 148.00
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	39.9%	48.0%	52.2%	54.7%	56.0%

Distribution

Applied For Bill	$ 28.12	$ 101.64	$ 193.53	$ 285.43	$ 377.32
Current Bill	$ 27.35	$ 100.15	$ 191.15	$ 282.15	$ 373.15
$ Impact	$ 0.63	$ 0.70	$ 0.77	$ 0.88	$ 0.99
% Impact	4.6%	3.5%	2.8%	2.3%	2.0%
% of Total Bill	38.8%	28.0%	23.4%	20.7%	19.3%

Retail Transmission

Applied For Bill	$ 9.87	$ 49.29	$ 98.58	$ 147.87	$ 197.16
Current Bill	$ 8.60	$ 43.00	$ 85.99	$ 128.99	$ 171.99
$ Impact	$ 0.31	$ 0.75	$ 1.27	$ 2.01	$ 2.84
% Impact	14.4%	14.5%	14.8%	14.6%	14.7%
% of Total Bill	6.7%	8.0%	8.2%	8.3%	8.4%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 37.99	$ 150.93	$ 292.11	$ 433.30	$ 574.48
Current Bill	$ 35.95	$ 143.15	$ 277.14	$ 411.14	$ 545.14
$ Impact	$ 0.94	$ 1.45	$ 2.04	$ 2.89	$ 3.83
% Impact	5.9%	5.7%	5.7%	5.6%	5.5%
% of Total Bill	45.5%	36.0%	31.6%	29.0%	27.7%

Regulatory

Applied For Bill	$ 1.88	$ 4.16	$ 6.75	$ 10.66	$ 14.88
Current Bill	$ 1.88	$ 4.16	$ 6.75	$ 10.66	$ 14.88
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.1%	5.6%	5.6%	5.6%	5.6%

Debt Retirement Charge

Applied For Bill	$ 1.75	$ 4.20	$ 7.00	$ 11.20	$ 15.75
Current Bill	$ 1.75	$ 4.20	$ 7.00	$ 11.20	$ 15.75
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.7%	5.7%	5.8%	5.9%	6.0%

GST

Applied For Bill	$ 1.76	$ 3.53	$ 5.73	$ 9.02	$ 12.60
Current Bill	$ 1.71	$ 3.46	$ 5.62	$ 8.88	$ 12.40
$ Impact	$ 0.05	$ 0.07	$ 0.11	$ 0.14	$ 0.20
% Impact	2.9%	2.0%	2.0%	1.6%	1.6%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 36.92	$ 74.13	$ 120.25	$ 189.47	$ 264.51
Current Bill	$ 35.93	$ 72.61	$ 118.10	$ 186.44	$ 260.48
$ Impact	$ 0.99	$ 1.52	$ 2.15	$ 3.03	$ 4.03
% Impact	2.8%	2.1%	1.8%	1.6%	1.5%

Rounding Applied	-0.030000
Rounding Current	-0.010000

Loss Factor	1.0487

CHARGE $	$	%	% of Total Bill
33.60	0.00	0.0%	27.93%
29.19	0.00	0.0%	24.27%
62.79	**0.00**	**0.0%**	**52.20%**
8.75	-0.13	(1.5)%	7.27%
0.99	0.72	266.7%	0.82%
17.90	-0.30	(1.6)%	14.88%
0.50	0.50	0.0%	0.42%

28.14	**0.79**	**2.9%**	**23.40%**
5.04	0.53	11.8%	4.19%
4.83	0.74	18.1%	4.02%
0.00	0.00	0.0%	0.00%
9.87	**1.27**	**14.8%**	**8.21%**
38.01	**2.06**	**5.7%**	**31.60%**
5.45	0.00	0.0%	4.53%
1.05	0.00	0.0%	0.87%
0.25	0.00	0.0%	0.21%
6.75	**0.00**	**0.0%**	**5.61%**
7.00	**0.00**	**0.0%**	**5.82%**
114.55	**2.06**	**1.8%**	**95.24%**
5.73	**0.11**	**2.0%**	**4.76%**
120.28	**2.17**	**1.8%**	**100.00%**

Control	Rate Group	Rate Class	Threshold	Current SC	Current SCRR	Current DC	Current DCRR	Current Net	Current Conn
1	RES	Residential	=VLOOKUP(AC21,'B1.1 Cu	8.13	0.27	0.0119	0	0.0048	0.0043
2	GSLT50	General Service Less Than 50 kW	2,000 / 20,000	8.88	0.27	0.0182	0	0.0043	0.0039
3	GSGT50	General Service 50 to 999 kW	50 / 1,000	43.04	0.27	3.7495	0	1.5637	1.3885
4	GSGT50	General Service 1,000 to 4,999 kW	1,000 / 5,000	1,532.52	0.27	3.4039	0	2.0042	1.7637
5	LU	Large Use > 5000 kW	5,000 / 100,000	10,207.56	0.27	2.8064	0	2.1354	1.9245
6	USL	Unmetered Scattered Load	500 / 20,000	4.69	-	0.0195	0	0.0043	0.0039
7	Sen	Sentinel Lighting	0.2 / 1.0	3.23	-	7.3144	0	1.0785	1.63
8	SL	Street Lighting	0.2 / 1.0	0.74	-	11.6448	0	1.0602	1.6024
9	NA	Rate Class 9	#N/A	0.00	-	0.0000	0	0	0
10	NA	Rate Class 10	#N/A	0.00	-	0.0000	0	0	0
11	NA	Rate Class 11	#N/A	0.00	-	0.0000	0	0	0
12	NA	Rate Class 12	#N/A	0.00	-	0.0000	0	0	0
13	NA	Rate Class 13	#N/A	0.00	-	0.0000	0	0	0
14	NA	Rate Class 14	#N/A	0.00	-	0.0000	0	0	0
15	NA	Rate Class 15	#N/A	0.00	-	0.0000	0	0	0
16	NA	Rate Class 16	#N/A	0.00	-	0.0000	0	0	0
17	NA	Rate Class 17	#N/A	0.00	-	0.0000	0	0	0
18	NA	Rate Class 18		0.00	-	0.0000	0	0	0
19	NA	Rate Class 19		0.00	-	0.0000	0	0	0
20	NA	Rate Class 20		0.00	-	0.0000	0	0	0
21	NA	Rate Class 21		0.00	-	0.0000	0	0	0
22	NA	Rate Class 22		0.00	-	0.0000	0	0	0
23	NA	Rate Class 23		0.00	-	0.0000	0	0	0
24	NA	Rate Class 24		0.00	-	0.0000	0	0	0

25	NA	Rate Class 25	0.00	-	0.0000	0	0	0

Current LV	Current WMSR	Current RRRP	Current SSS	Proposed SC	Proposed SCRR	Proposed DC	Proposed DCRR	Proposed Net	Proposed Conn	Proposed LV
0	0.0052	0.0010	0.2500	8.43	0.99	0.0123	0.000915	0.0053	0.0051	0
0	0.0052	0.0010	0.2500	8.75	0.99	0.0179	0.000479	0.0048	0.0046	0
0	0.0052	0.0010	0.2500	43.17	0.96	3.7602	0.093348	1.7404	1.6551	0
0	0.0052	0.0010	0.2500	1,264.63	- 0.21	2.8089	0.083424	2.2307	2.1023	0
0	0.0052	0.0010	0.2500	7,793.10	- 6.48	2.1426	0.080998	2.3767	2.294	0
0	0.0052	0.0010	0.2500	4.02	- 0.00	0.0168	0.006277	0.0048	0.0046	0
0	0.0052	0.0010	0.2500	3.44	- 0.00	7.8052	0.724917	1.2004	1.943	0
0	0.0052	0.0010	0.2500	0.90	- 0.00	14.1404	0.437752	1.18	1.9101	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0
0	0.0052	0.0010	0.2500	0.00	-	0.0000	0	0	0	0

0	0.0052	0.0010	0.2500		0.00	-	0.0000	0	0	0	0

Proposed WMSR	Proposed RRRP	Proposed SSS	Rate Class List	Rate Group List
0.0052	0.0010	0.2500	Residential	RES
0.0052	0.0010	0.2500	General Service Less Than 50 kW	GSLT50
0.0052	0.0010	0.2500	General Service 50 to 999 kW	GSGT50
0.0052	0.0010	0.2500	General Service 1,000 to 4,999 kW	GSGT50
0.0052	0.0010	0.2500	Large Use > 5000 kW	LU
0.0052	0.0010	0.2500	Unmetered Scattered Load	USL
0.0052	0.0010	0.2500	Sentinel Lighting	Sen
0.0052	0.0010	0.2500	Street Lighting	SL
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		
0.0052	0.0010	0.2500		

0.0052	0.0010	0.2500

Ontario Energy Board
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3rd Generation Incentive Regulation Mechanism

Previous | Forward | Current Tariff Sheet | Pro Tarif

Purpose of this worksheet:

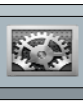
This worksheet is for the applicant to enter the Allowances as found on the curre

Allowances

Transformer Allowance for Ownership - per kW of billing demand/month
Primary Metering Allowance for transformer losses - applied to measured demand and energy

Proposed Tariff Sheet

Current & Proposed Tariff Sheets



Bill Impacts Generator

ırrent Tariff Sheet.

Metric	Current
$/kW	-0.60
%	-1.0

Customer Administration

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

Non-Payment of Account

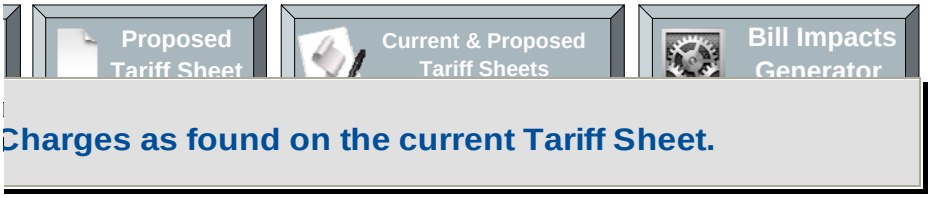
Late Payment - per month

Late Payment - per annum
Collection of account charge - no disconnection
Disconnect/Reconnect at meter - during regular hours
Collection of account charge - no disconnection - after regular hours
Disconnect/Reconnect at pole - during regular hours
Disconnect/Reconnect at pole - after regular hours

Other

Install/Remove load control device - during regular hours
Install/Remove load control device - after regular hours
Specific Charge for Access to the Power Poles $/pole/year

chanism



Charges as found on the current Tariff Sheet.

Metric	Current
$	15.00
$	15.00
$	15.00
$	15.00
$	15.00
$	15.00
$	30.00
$	30.00
$	30.00
$	
$	
$	
$	
$	
$	
$	
$	
$	
$	
$	

Metric	Current
%	1.5%

%	19.56%
$	30.00
$	65.00
$	185.00
$	185.00
$	415.00
$	
$	
$	

Metric	Current
$	65.00
$	185.00
$	22.35
$	
$	
$	
$	
$	
$	
$	
$	
$	
$	
$	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Purpose of this worksheet:

This worksheet is for the show the Retail Service Charges as found on the 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
- Monthly Fixed Charge, per retailer
- Monthly Variable Charge, per customer, per retailer
- Distributor-consolidated billing charge, per customer, per retailer
- Retailer-consolidated billing credit, per customer, per retailer

Service Transaction Requests (STR)

- Request fee, per request, applied to the requesting party
- Processing fee, per request, applied to the requesting party

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
- More than twice a year, per request (plus incremental delivery costs)

nt Tariff Sheet.

Metric		Current
$		100.00
$		20.00
$/cust.		0.50
$/cust.		0.30
$/cust.	-	0.30
$		0.25
$		0.50
		no charge
$		2.00

MONTHLY RATES AND CHARGES - General

Rate Class

Residential

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forLost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Me
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service Less Than 50 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge

Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service 50 to 999 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Network Service Rate – Interval metered
Retail Transmission Rate – Line and Transformation Connection Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

General Service 1,000 to 4,999 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Large Use > 5000 kW

Rate Description

Service Charge
Service Charge Rate Rider forService Charge Rate Rider for Smart Meter – effective until Thursday, April 30, 2009
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Unmetered Scattered Load

Rate Description

Service Charge
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forLost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Me
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Sentinel Lighting

Rate Description

Service Charge
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Rate Class

Street Lighting

Rate Description

Service Charge
Service Charge Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate
Distribution Volumetric Rate Rider forTax Change Rate Rider – effective until Thursday, April 30, 2009
Distribution Volumetric Rate Rider forIncremental Capital Rate Rider – effective until Thursday, April 30, 2009
Retail Transmission Rate – Network Service Rate
Retail Transmission Rate – Line and Transformation Connection Service Rate
Wholesale Market Service Rate
Rural Rate Protection Charge
Standard Supply Service – Administrative Charge (if applicable)

Specific Service Charges

Customer Administration

Arrears certificate
Easement letter

Account history
Credit reference/credit check (plus credit agency costs)
Returned cheque charge (plus bank charges)
Legal letter charge
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)
Special meter reads
Meter dispute charge plus Measurement Canada fees (if meter found correct)

Non-Payment of Account

Late Payment - per month
Late Payment - per annum
Collection of account charge - no disconnection
Disconnect/Reconnect at meter - during regular hours
Collection of account charge - no disconnection - after regular hours
Disconnect/Reconnect at pole - during regular hours
Disconnect/Reconnect at pole - after regular hours

Other

Install/Remove load control device - during regular hours
Install/Remove load control device - after regular hours
Specific Charge for Access to the Power Poles $/pole/year

Allowances

Transformer Allowance for Ownership - per kW of billing demand/month
Primary Metering Allowance for transformer losses - applied to measured demand and energy

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
Monthly Fixed Charge, per retailer
Monthly Variable Charge, per customer, per retailer
Distributor-consolidated billing charge, per customer, per retailer
Retailer-consolidated billing credit, per customer, per retailer

Service Transaction Requests (STR)

Request fee, per request, applied to the requesting party
Processing fee, per request, applied to the requesting party

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
More than twice a year, per request (plus incremental delivery costs)

LOSS FACTORS

Total Loss Factor - Secondary Metered Customer < 5,000 kW
Total Loss Factor - Secondary Metered Customer > 5,000 kW
Total Loss Factor - Primary Metered Customer < 5,000 kW
Total Loss Factor - Primary Metered Customer > 5,000 kW

Metric	Rate
$	8.43
$	1.00
$	-0.01
$/kWh	0.0123
$/kWh	0.0004
$/kWh	0.0000
$/kWh	0.0005
$/kWh	0.0053
$/kWh	0.0051
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	8.75
$	1.00
$	-0.01
$/kWh	0.0179
$/kWh	0.0000
$/kWh	0.0005
$/kWh	0.0048
$/kWh	0.0046
$/kWh	0.0052
$/kWh	0.0010

$	0.25

Metric	Rate
$	43.17
$	1.00
$	-0.04
$/kW	3.7602
$/kW	-0.0036
$/kW	0.0970
$/kW	1.7404
$/kW	2.2307
$/kW	1.6551
$/kW	2.1023
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	1,264.63
$	1.00
$	-1.21
$/kW	2.8089
$/kW	-0.0027
$/kW	0.0861
$/kW	2.2307
$/kW	2.1023
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	7,793.10
$	1.00
$	-7.48
$/kW	2.1426
$/kW	-0.0021
$/kW	0.0831
$/kW	2.3767
$/kW	2.2940
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	4.02
$	0.00
$/kWh	0.0168
$/kWh	0.0058
$/kWh	0.0000
$/kWh	0.0005
$/kWh	0.0048
$/kWh	0.0046
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	3.44
$	0.00
$/kW	7.8052
$/kW	-0.0075
$/kW	0.7324
$/kW	1.2004
$/kW	1.9430
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	Rate
$	0.90
$	0.00
$/kW	14.1404
$/kW	-0.0136
$/kW	0.4513
$/kW	1.1800
$/kW	1.9101
$/kWh	0.0052
$/kWh	0.0010
$	0.25

Metric	**Current**
$	15.00
$	15.00

$	15.00
$	15.00
$	15.00
$	15.00
$	30.00
$	30.00
$	30.00

Metric	Current
%	1.5%
%	19.56%
$	30.00
$	65.00
$	185.00
$	185.00
$	415.00

Metric	Current
$	65.00
$	185.00
$	22.35

Metric	Current
$/kW	-0.60
%	-1.0

Metric	Current
$	100.00
$	20.00
$/cust.	0.50
$/cust.	0.30
$/cust.	(0.30)

$	0.25
$	0.50

	no charge
$	2.00

	Current
	1.0487
	1.0145
	1.0382
	1.0045

Ontario Energy Board
Commission de l'énergie de l'Ontario

2009 OEB 3GIRM Supplementary Filing Module

How to Turn on Macros

Purpose of this Workbook:

This workbook has been developed to assist the applicant in filing for 3GIRM rates. This workbook calculates:

1. Revenue/Cost ratio adjustments
2. 3GIRM K-factor adjustment
3. 3GIRM Price Cap Adjustment
4. Shared Tax Saving Rate Rider
5. Incremental Capital Rate Rider

Note: All Applicants have a stretch factor group of II or .40 until the listing is finalized. This will be adjusted later.

Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.
For best viewing, set your screen resolution to 1280 by 960 pixels

Applicant Name	Oshawa PUC Networks Inc.
Applicant Service Area	
OEB Application Number	EB-2008-0205
LDC Licence Number	ED-2002-0560
Stretch Factor Group	II
Stretch Factor Value	0.4000%

Please Note:
In the event of an inconsistency between this model and any element of the July 15, 2008 "Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors ", the September 5, 2008 "Supplemental Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors", or other related Board Direction, the Board direction governs.

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2009 OEB 3GIRM Supplementary Filing Module

Sheet Name

Ontario Energy Board
Commission de l'énergie de l'Ontario

2009 OEB 3GIRM Supplementary Filing Module

Table of Contents

Purpose of this sheet:
To record general rate class billing determinants and base distribution rates.

Steps:
1. Assign applicants general rate classes,
2. Enter billing determinants as approved in the last rate re-basing, and
3. Enter the base rates (service charge and distribution volumetric charge net of rate adders)

Instructions:
1. Select rate group from drop down in column C
2. Select rate class from drop down in column D
3. Enter number of customers in column I (A)
4. Enter kWh in column J (B) for all classes
5. Enter kW in column K (C) for customer groups billed in kW or kVA
6. Enter base service charge as found on rate generator sheet "C7.1 Base Dist Rates Gen" in column M (D)
7. Enter base distribution volumetric kWh as found on rate generator sheet "C7.1 Base Dist Rates Gen" in column N (E)
8. Enter base distribution volumetric kW as found on rate generator sheet "C7.1 Base Dist Rates Gen" in column O (F)

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-basing Billed Customers or Connections	Re-basing Billed kWh	Re-basing Billed kW	Current Base Service Charge	Current Base Distribution Volumetric Rate kWh	Current Base Distribution Volumetric Rate kW	Service Charge Revenue G = A * D *12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Total Revenue by Rate Class J = G + H + I
				A	B	C	D	E	F				
RES	Residential	Customer	kWh	47,243	487,192,399		$8.13	$0.0119		$4,609,027	$5,797,590	$0	$10,406,617
GSLT50	General Service Less Than 50 kW	Customer	kWh	3,845	140,097,188		$8.88	$0.0182		$409,723	$2,549,769	$0	$2,959,492
GSGT50	General Service 50 to 999 kW	Customer	kW	522		893,941	$43.04		$3.7495	$269,603	$0	$3,351,832	$3,621,434
GSGT50	General Service 1,000 to 4,999 kW	Customer	kW	9		171,299	$1,532.52		$3.4039	$165,512	$0	$583,085	$748,597
LU	Large Use > 5000 kW	Customer	kW	2		140,182	########		$2.8064	$244,981	$0	$393,407	$638,388
USL	Unmetered Scattered Load	Customer	kWh	305	3,841,944		$4.69	$0.0195		$17,165	$74,918	$0	$92,083
Sen	Sentinel Lighting	Connection	kW	77		139	$3.23		$7.3144	$2,985	$0	$1,017	$4,001
SL	Street Lighting	Connection	kW	11,650		26,213	$0.74		$11.6448	$103,452	$0	$305,245	$408,697
NA	Rate Class 9	NA	NA							$0	$0	$0	$0
NA	Rate Class 10	NA	NA							$0	$0	$0	$0
NA	Rate Class 11	NA	NA							$0	$0	$0	$0
NA	Rate Class 12	NA	NA							$0	$0	$0	$0
NA	Rate Class 13	NA	NA							$0	$0	$0	$0
NA	Rate Class 14	NA	NA							$0	$0	$0	$0
NA	Rate Class 15	NA	NA							$0	$0	$0	$0
NA	Rate Class 16	NA	NA							$0	$0	$0	$0
NA	Rate Class 17	NA	NA							$0	$0	$0	$0
NA	Rate Class 18	NA	NA							$0	$0	$0	$0
NA	Rate Class 19	NA	NA							$0	$0	$0	$0
NA	Rate Class 20	NA	NA							$0	$0	$0	$0
NA	Rate Class 21	NA	NA							$0	$0	$0	$0
NA	Rate Class 22	NA	NA							$0	$0	$0	$0
NA	Rate Class 23	NA	NA							$0	$0	$0	$0
NA	Rate Class 24	NA	NA							$0	$0	$0	$0
NA	Rate Class 25	NA	NA							$0	$0	$0	$0
										$5,822,448	$8,422,276	$4,634,585	$18,879,310

Ontario Energy Board
Commission de l'énergie de l'Ontario

2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:

To record unique rate class billing determinants and base distribution rates.

Steps:

1. Assign applicants Unique rate classes,
2. Enter billing determinants as approved in the last rate re-basing, and
3. Enter the base rates (service charge and distribution volumetric charge net of rate adders)

Instructions:

1. Select rate group from drop down in column C
2. Select rate class from drop down in column D
3. Enter number of customers in column I (A)
4. Enter kWh in column J (B) for all classes

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-Basing Billed Customers or Connections	Re-Basing Billed kWh	Re-Basing Billed kW	Current Base Service Charge	Current Base Distribution Volumetric Rate kWh	Current Base Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class
				A	B	C	D	E	F	G = A * D * 12	H = B * E	I = C * F	J = G + H + I
NA	Rate Class 26	NA	NA							$0	$0	$0	$0
NA	Rate Class 27	NA	NA							$0	$0	$0	$0
NA	Rate Class 28	NA	NA							$0	$0	$0	$0
NA	Rate Class 29	NA	NA							$0	$0	$0	$0
NA	Rate Class 30	NA	NA							$0	$0	$0	$0
NA	Rate Class 31	NA	NA							$0	$0	$0	$0
NA	Rate Class 32	NA	NA							$0	$0	$0	$0
NA	Rate Class 33	NA	NA							$0	$0	$0	$0
NA	Rate Class 34	NA	NA							$0	$0	$0	$0
NA	Rate Class 35	NA	NA							$0	$0	$0	$0
										$0	$0	$0	$0

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2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:
This sheet discloses the revenue requirement recovered by the rebased distribution rates approved in the 2008 cost of service review.

Steps:
1. From the last rebasing, identify the various inputs to determine the revenue requirement recovered by distribution rates.
2. Balance the resulting amount to sheets B1.1 and B1.2
3. Reconcile the difference if material (other than the results of rate rounding).

Applicants Rate Base	Last Rate Re-Basing Amount				
Average Net Fixed Assets					
Gross Fixed Assets - Re-Basing Opening	$ 71,763,140	A			
Add: CWIP Re-Basing Opening	$ -	B			
Re-Basing Capital Additions	$ 10,993,345	C			
Re-Basing Capital Disposals		D			
Re-Basing Capital Retirements		E			
Deduct: CWIP Re-Basing Closing		F			
Gross Fixed Assets - Re-Basing Closing	$ 82,756,485	G			
Average Gross Fixed Assets			$ 77,259,813		H = (A + G) / 2
Accumulated Depreciation - Re-Basing Opening	$ 25,551,378	I			
Re-Basing Depreciation Expense	$ 4,395,489	J			
Re-Basing Disposals		K			
Re-Basing Retirements		L			
Accumulated Depreciation - Re-Basing Closing	$ 29,946,867	M			
Average Accumulated Depreciation			$ 27,749,123		N = (I + M) / 2
Average Net Fixed Assets			**$ 49,510,690**		O = H - M
Working Capital Allowance					
Working Capital Allowance Base	$ 91,646,775	P			
Working Capital Allowance Rate	15.0%	Q			
Working Capital Allowance			**$ 13,747,016**		R = P * Q
Rate Base			**$ 63,257,706**		S = O + R
Return on Rate Base					
Deemed ShortTerm Debt %	4.00%	T	$ 2,530,308		W = S * T
Deemed Long Term Debt %	49.33%	U	$ 31,205,102		X = S * U
Deemed Equity %	46.67%	V	$ 29,522,296		Y = S * V
Short Term Interest	4.47%	Z	$ 113,105		AC = W * Z
Long Term Interest	5.82%	AA	$ 1,816,324		AD = X * AA
Return on Equity	8.57%	AB	$ 2,530,061		AE = Y * AB
Return on Rate Base			**$ 4,459,490**		AF = AC + AD + AE
Distribution Expenses					
OM&A Expenses	$ 9,748,527	AG			
Amortization	$ 4,395,490	AH			
Ontario Capital Tax (F1.1 Z-Factor Tax Changes)	$ 108,580	AI			
Grossed Up PILs (F1.1 Z-Factor Tax Changes)	$ 1,635,595	AJ			
Low Voltage	$ -	AK			
Transformer Allowance	$ 239,375	AL			
Ontario Captial Tax Rate Change (.285 to .225)	$ 28,954	AM			
	$ -	AN			
	$ -	AO			
			$ 16,156,521		AP = SUM (AG : AO)
Revenue Offsets					
Specific Service Charges	-$ 704,147	AQ			
Late Payment Charges	-$ 198,733	AR			
Other Distribution Income	-$ 698,776	AS			
Other Income and Deductions	-$ 124,331	AT	**-$ 1,725,987**		AU = SUM (AQ : AT)
Revenue Requirement from Distribution Rates			**$ 18,890,024**		AV = AP + AU
Rate Classes Revenue					
Rate Classes Revenue - General (B1.1 Re-Basing Revenue - Gen)	$ 18,879,310	AW			
Rate Classes Revenue - Unique (B2.1 Re-Basing Revenue - Unique)	$ -	AX			
Rate Classes Revenue - Total			**$ 18,879,310**		AY = AW + AX

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2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:
This sheet may be completed by applicants required to make adjustment to revenue cost ratios. This sheet captures the allocation of costs to the affected rate classes.

Steps:
1. From the last rebasing identify the cost allocation study used.
2. Enter the original revenue and expenses to the assigned rate classes.

Note:
This sheet may be completed by applicants required to make revenue cost ratio adjustments. The completion of the revenue component is

Rate Class	Total Revenue	% of Revenue	Total Expenses	% of Cost	Allocated Net Income (NI)	% of All NI	Total Expenses plus Allocated Net Income	% Tot Exp plus All NI	Revenue/Cost Ratio %
	A	B = A / $J	C	D = C / $K	E	F = E / $L	G = C + D	H = G / $M	I = A / H
Residential	$10,145,878	53.7%	$ 10,096,512	61.1%	$ 1,231,062	51.9%	$ 11,327,574	60.0%	89.5%
General Service Less Than 50 kW	$ 3,082,668	16.3%	$ 2,088,696	12.6%	$ 278,523	11.7%	$ 2,367,219	12.5%	130.2%
General Service 50 to 999 kW	$ 3,574,037	18.9%	$ 3,057,399	18.5%	$ 552,394	23.3%	$ 3,609,793	19.1%	99.0%
General Service 1,000 to 4,999 kW	$ 966,789	5.1%	$ 243,913	1.5%	$ 47,335	2.0%	$ 291,248	1.5%	331.8%
Large Use > 5000 kW	$ 861,954	4.6%	$ 280,637	1.7%	$ 62,544	2.6%	$ 343,181	1.8%	251.0%
Unmetered Scattered Load	$ 73,159	0.4%	$ 47,541	0.3%	$ 9,470	0.4%	$ 57,011	0.3%	128.3%
Sentinel Lighting	$ 3,514	0.0%	$ 5,327	0.0%	$ 1,125	0.0%	$ 6,452	0.0%	54.4%
Street Lighting	$ 192,406	1.0%	$ 696,642	4.2%	$ 190,911	8.0%	$ 887,553	4.7%	21.7%
Rate Class 9		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 10		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 11		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 12		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 13		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 14		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 15		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 16		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 17		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 18		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 19		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 20		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 21		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 22		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 23		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 24		0.0%		0.0%		0.0%	$ -	0.0%	
Rate Class 25		0.0%		0.0%		0.0%	$ -	0.0%	
	$18,900,405	100.0%	$ 16,516,667	100.0%	$ 2,373,364	100.0%	$ 18,890,031	100.0%	
	J		K		L		M		

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2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:

This sheet may be completed by applicants who have unique rate classes requiring adjustment to revenue cost ratios. This sheet captures the allocation of costs to the affected rate classes.

Steps:

1. From the last rebasing, identify the cost allocation study used.
2. Enter the original revenue and expenses to the assigned rate classes.

Note:

This sheet may be completed by applicants required to make revenue cost ratio adjustments. The completion of the revenue

Rate Class	Total Revenue A	% of Revenue B = A / $J	Total Expenses C	% of Cost D = C / $K	Allocated Net Income (NI) E	% of All NI F = E / $L	Total Expenses plus Allocated Net Income G = C + D	% Tot Exp plus All NI H = G / $M	Revenue/Cost Ratio % I = A / H
Rate Class 26							$ -		
Rate Class 27							$ -		
Rate Class 28							$ -		
Rate Class 29							$ -		
Rate Class 30							$ -		
Rate Class 31							$ -		
Rate Class 32							$ -		
Rate Class 33							$ -		
Rate Class 34							$ -		
Rate Class 35							$ -		
	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%	
	J		K		L		M		

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2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:

This sheet shows the calculation of expenses for general classes when applied to the re-based revenue as calculated on sheet B1.1. The result is the revenue cost ratio from the re-basing.

Note:

It is important that the ratios in E (column K) be close to those in the rebasing Decision, or supplied in support of the draft Rate Order. If the difference is material, then 1) the applicant may wish to check the accuracy of the inputs at B1.1, or 2) assure that the anomaly is not due to a unique classe that prevents a proper reconciliation.

Rate Class	Total Revenue A	% of Revenue B = A / $H	Total Expenses plus Allocated Net Income C	% Tot Exp plus All NI D = C / $I	Revenue /Cost Ratio % E = B / D	% Recovered from Monthly Service Charge F	% Recovered from Volumetric Distribution Charge G
Residential	$10,406,617	55.1%	$ 11,321,145	60.0%	91.9%	44.3%	55.7%
General Service Less Than 50 kW	$ 2,959,492	15.7%	$ 2,365,875	12.5%	125.1%	13.8%	86.2%
General Service 50 to 999 kW	$ 3,621,434	19.2%	$ 3,607,744	19.1%	100.4%	7.4%	92.6%
General Service 1,000 to 4,999 kW	$ 748,597	4.0%	$ 291,083	1.5%	257.2%	22.1%	77.9%
Large Use > 5000 kW	$ 638,388	3.4%	$ 342,986	1.8%	186.1%	38.4%	61.6%
Unmetered Scattered Load	$ 92,083	0.5%	$ 56,979	0.3%	161.6%	18.6%	81.4%
Sentinel Lighting	$ 4,001	0.0%	$ 6,448	0.0%	62.1%	74.6%	25.4%
Street Lighting	$ 408,697	2.2%	$ 887,049	4.7%	46.1%	25.3%	74.7%
Rate Class 9	$ -	0.0%	$ -	0.0%			
Rate Class 10	$ -	0.0%	$ -	0.0%			
Rate Class 11	$ -	0.0%	$ -	0.0%			
Rate Class 12	$ -	0.0%	$ -	0.0%			
Rate Class 13	$ -	0.0%	$ -	0.0%			
Rate Class 14	$ -	0.0%	$ -	0.0%			
Rate Class 15	$ -	0.0%	$ -	0.0%			
Rate Class 16	$ -	0.0%	$ -	0.0%			
Rate Class 17	$ -	0.0%	$ -	0.0%			
Rate Class 18	$ -	0.0%	$ -	0.0%			
Rate Class 19	$ -	0.0%	$ -	0.0%			
Rate Class 20	$ -	0.0%	$ -	0.0%			
Rate Class 21	$ -	0.0%	$ -	0.0%			
Rate Class 22	$ -	0.0%	$ -	0.0%			
Rate Class 23	$ -	0.0%	$ -	0.0%			
Rate Class 24	$ -	0.0%	$ -	0.0%			
Rate Class 25	$ -	0.0%	$ -	0.0%			
	$18,879,310	100.0%	$ 18,879,310	100.0%			
	H		I				

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2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:
This sheet shows the calculation of expenses for unique classes when applied to the re-based revenue as calculated on sheet B2.1. The result is the revenue cost ratio from the re-basing.

Rate Class	Total Revenue A	% of Revenue B = A / $H	Total Expenses plus Allocated Net Income C	% Tot Exp plus All NI D = C / $I	Revenue/Cost Ratio % E = B / D	% Recovered from Monthly Service Charge F	% Recovered from Volumetric Distribution Charge G
Rate Class 26	$ -						0.0%
Rate Class 27	$ -						0.0%
Rate Class 28	$ -						0.0%
Rate Class 29	$ -						0.0%
Rate Class 30	$ -						0.0%
Rate Class 31	$ -						0.0%
Rate Class 32	$ -						0.0%
Rate Class 33	$ -						0.0%
Rate Class 34	$ -						0.0%
Rate Class 35	$ -						0.0%
	$ -	0.0%	$ -	0.0%			
	H		I				

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2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:
This sheet aids in the re-allocation of revenues for general classes. The result is the revenue cost ratio adjustment as required.

Steps:

1. The "Adjust Revenue/Cost Ratio %" (B) is originally set to the value shown in (A).

2. By entering the value(s) of the target ratio as required against the rate class that are to be adjusted, a formulaic adjustment to the current rate in proportion to the classes fixed variable split will result.

3. The value computed in step 2 will not complete the transition to the new ratio. The applicant can perform a "goal seek" calculation which will adjust the input variable to arrive at the target. On the menu bar select "Tools" - "Goal Seek" - "Set Cell" (select cell in column C) - "To Value" (enter target value i.e. .58) - "By Changing Value" (select cell in column B). To work properly column B must have a numeric value.

4. Once the target values are set, the applicant can iterate the ratios for each rate class. The objective is to obtain an "Out of Balance" value (under column F) close to Zero. This can be achieved by using goal seek, solver or manual iteration adjustments.

5. Manual adjustments can also be entered in Columns G, H & I.

6. Transfer the resultant adjustments found in Columns J, K & L to the 2009 OEB 3GIRM Rate Generator sheet "D1.2 Reven Cost Ratio Adj - Gen"

Rate Class	Current Revenue/Cost Ratio % A	Adjust Revenue/Cost Ratio % B	Resultant Revenue/Cost Ratio % C	Formulaic Adjustment to Service Charge D	Formulaic Adjustment to Distribution Volumetric Rate kWh E	Formulaic Adjustment to Distribution Volumetric Rate kW F	Manual Adjustment to Service Charge G	Manual Adjustment to Distribution Volumetric Rate kWh H	Manual Adjustment to Distribution Volumetric Rate kW I	Resultant Adjustment to Service Charge J	Resultant Adjustment to Distribution Volumetric Rate kWh K	Resultant Adjustment to Distribution Volumetric Rate kW L	Base % Recovered from Monthly Service Charge M	Base % Recovered from Volumetric Distribution Charge N	Ratio Adjusted% Recovered from Monthly Service Charge O	Ratio Adjusted % Recovered from Volumetric Distribution Charge P	Ratio Adjusted Total Revenue Q	Ratio Adjusted % of Revenue R	Ratio Adjusted Total Expenses plus Allocated Net Income S	Ratio Adjusted % Tot Exp plus All NI T
Residential	91.9%	94.7%	94.5%	$ 0.24	$ 0.0003	$ -				$ 0.24	$ 0.0003	$ -	44.3%	55.7%	44.4%	55.6%	$ 10,688,834	56.7%	$ 11,312,826	60.0%
General Service Less Than 50 kW	125.1%	122.5%	122.4%	-$ 0.19	-$ 0.0004	$ -				-$ 0.19	-$ 0.0004	$ -	13.8%	86.2%	13.9%	86.1%	$ 2,894,687	15.3%	$ 2,364,127	12.5%
General Service 50 to 999 kW	100.4%	100.0%	100.1%	-$ 0.16	$ -	-$ 0.0142				-$ 0.16	$ -	-$ 0.0142	7.4%	92.6%	7.4%	92.6%	$ 3,607,738	19.1%	$ 3,605,063	19.1%
General Service 1,000 to 4,999 kW	257.2%	218.0%	211.1%	-$ 275.41	$ -	-$ 0.6117				-$ 275.41	$ -	-$ 0.6117	22.1%	77.9%	22.1%	77.9%	$ 614,069	3.3%	$ 290,669	1.5%
Large Use > 5000 kW	186.1%	150.0%	141.4%	-$ 2,458.42	$ -	-$ 0.6759				-$ 2,458.42	$ -	-$ 0.6759	38.4%	61.6%	38.4%	61.6%	$ 484,637	2.6%	$ 342,734	1.8%
Unmetered Scattered Load	161.6%	141.0%	138.4%	-$ 0.69	-$ 0.0028	$ -				-$ 0.69	-$ 0.0028	$ -	18.6%	81.4%	18.6%	81.4%	$ 78,800	0.4%	$ 58,937	0.3%
Sentinel Lighting	62.1%	66.0%	65.8%	$ 0.19	$ -	$ 0.4377				$ 0.19	$ -	$ 0.4377	74.6%	25.4%	74.6%	25.4%	$ 4,238	0.0%	$ 6,444	0.0%
Street Lighting	46.1%	58.0%	55.6%	$ 0.15	$ -	$ 2.3945				$ 0.15	$ -	$ 2.3945	25.3%	74.7%	25.3%	74.7%	$ 492,434	2.6%	$ 886,397	4.7%
Rate Class 9				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 10				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 11				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 12				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 13				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 14				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 15				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 16				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 17				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 18				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 19				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 20				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 21				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 22				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 23				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 24				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
Rate Class 25				$ -	$ -	$ -				$ -	$ -	$ -					$ -	0.0%	$ -	0.0%
					Out of balance	$13,872.50											$ 18,865,437	100.0%	$ 18,865,437	100.0%
																	K		L	

Ontario Energy Board
Commission de l'énergie de l'Ontario

2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:

This sheet aids in the re-allocation of revenues for Unique classes (if applicable). The result is the revenue to cost ratio adjustment as required.

Steps:

1. The "Adjust Revenue/Cost Ratio %" (B) is originally set to the value shown in (A).

2. By entering the value(s) of the target ratio (as required) against the rate classes that are to be adjusted, this will result in a formulaic adjustment to the current rates in proportion to the class's fixed variable split.

3. The value computed in step 2 will not complete the transition to the new ratio. The applicant can perform a "goal seek" calculation which

Rate Class	Current Revenue/Cost Ratio %	Adjust Revenue/Cost Ratio %	Resultant Revenue/Cost Ratio %	Formulaic Adjustment to Service Charge	Formulaic Adjustment to Distribution Volumetric Rate kWh	Formulaic Adjustment to Distribution Volumetric Rate kW	Manual Adjustment to Service Charge	Manual Adjustment to Distribution Volumetric Rate kWh	Manual Adjustment to Distribution Volumetric Rate kW	Resultant Adjustment to Service Charge
Rate Class 26				$ -	$ -	$ -				$ -
Rate Class 27				$ -	$ -	$ -				$ -
Rate Class 28				$ -	$ -	$ -				$ -
Rate Class 29				$ -	$ -	$ -				$ -
Rate Class 30				$ -	$ -	$ -				$ -
Rate Class 31				$ -	$ -	$ -				$ -
Rate Class 32				$ -	$ -	$ -				$ -
Rate Class 33				$ -	$ -	$ -				$ -
Rate Class 34				$ -	$ -	$ -				$ -
Rate Class 35				$ -	$ -	$ -				$ -

Ontario Energy Board
Commission de l'énergie de l'Ontario
2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:
This sheet shows the result of the changes to ratio's from Sheet 3.1.

Rate Class	Fixed Metric	Vol Metric	Billed Customers or Connections	Billed kWh	Billed kW	Base Service Charge	Ratio Adjustment to Service Charge	Ratio Adjusted Service Charge	Base Distribution Volumetric Rate kWh	Ratio Adjustment to Distribution Volumetric Rate kWh	Ratio Adjusted Distribution Volumetric Rate kWh	Base Distribution Volumetric Rate kW	Ratio Adjustment to Distribution Volumetric Rate kW	Ratio Adjusted Distribution Volumetric Rate kW
			A	B	C	D	E	F = D + E	G	H	I = G + H	J	K	L = J + K
Residential	Customer	kWh	47,243	487,192,399	-	$8.13	$0.24	$8.37	$0.0119	$0.0003	$0.0122	$0.0000	$0.0000	$0.0000
General Service Less Than 50 kW	Customer	kWh	3,845	140,097,188	-	$8.88	-$0.19	$8.69	$0.0182	-$0.0004	$0.0178	$0.0000	$0.0000	$0.0000
General Service 50 to 999 kW	Customer	kW	522	-	######	$43.04	-$0.16	$42.88	$0.0000	$0.0000	$0.0000	$3.7495	-$0.0142	$3.7353
General Service 1,000 to 4,999 kW	Customer	kW	9	-	######	$1,532.52	-$275.41	$1,257.11	$0.0000	$0.0000	$0.0000	$3.4039	-$0.6117	$2.7922
Large Use > 5000 kW	Customer	kW	2	-	######	$10,207.56	-$2,458.42	$7,749.14	$0.0000	$0.0000	$0.0000	$2.8064	-$0.6759	$2.1305
Unmetered Scattered Load	Customer	kWh	305	3,841,944	-	$4.69	-$0.69	$4.00	$0.0195	-$0.0028	$0.0167	$0.0000	$0.0000	$0.0000
Sentinel Lighting	Connection	kW	77	-	139	$3.23	$0.19	$3.42	$0.0000	$0.0000	$0.0000	$7.3144	$0.4377	$7.7521
Street Lighting	Connection	kW	11,650	-	26,213	$0.74	$0.15	$0.89	$0.0000	$0.0000	$0.0000	$11.6448	$2.3945	$14.0393
Rate Class 9	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 10	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 11	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 12	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 13	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 14	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 15	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 16	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 17	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 18	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 19	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 20	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 21	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 22	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 23	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 24	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 25	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Base Service Charge Revenue	Base Distribution Volumetric Rate Revenue kWh	Base Distribution Volumetric Rate Revenue kW	BaseTotal Revenue by Rate Class	Ratio Adjustment to Service Charge Revenue	Ratio Adjustment to Distribution Volumetric Rate Revenue kWh	Ratio Adjustment To Distribution Volumetric Rate Revenue kW	Ratio Adjustment To Total Revenue by Rate Class	Ratio Adjusted Service Charge Revenue	Ratio Adjusted Distribution Volumetric Rate Revenue kWh	Ratio Adjusted Distribution Volumetric Rate Revenue kW	Ratio Adjusted Total Revenue by Rate Class
M = A * D * 12	N = B * E	O = C * F	P = M + N + O	Q = A * G *12	R = B * H	S = C * I	T = Q + R + S	U = A * J * 12	V = B * K	W = C * L	X = U + V + W
$4,609,027	$5,797,590	$0	$10,406,617	$136,060	$146,158	$0	$282,218	$4,745,087	$5,943,747	$0	$10,688,834
$409,723	$2,549,769	$0	$2,959,492	-$8,767	-$56,039	$0	-$64,805	$400,957	$2,493,730	$0	$2,894,687
$269,603	$0	$3,351,832	$3,621,434	-$1,002	$0	-$12,694	-$13,696	$268,600	$0	$3,339,138	$3,607,738
$165,512	$0	$583,085	$748,597	-$29,744	$0	-$104,784	-$134,528	$135,768	$0	$478,301	$614,069
$244,981	$0	$393,407	$638,388	-$59,002	$0	-$94,749	-$153,751	$185,979	$0	$298,658	$484,637
$17,165	$74,918	$0	$92,083	-$2,525	-$10,757	$0	-$13,283	$14,640	$64,160	$0	$78,800
$2,985	$0	$1,017	$4,001	$176	$0	$61	$236	$3,160	$0	$1,078	$4,238
$103,452	$0	$305,245	$408,697	$20,970	$0	$62,767	$83,737	$124,422	$0	$368,012	$492,434
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$5,822,448	$8,422,276	$4,634,585	$18,879,310	$56,165	$79,361	-$149,399	-$13,873	$5,878,613	$8,501,638	$4,485,186	$18,865,437
AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV

Base Service Charge % Revenue	Base Distribution Volumetric Rate % Revenue kWh	Base Distribution Volumetric Rate % Revenue kW	Base Total % Revenue by Rate Class	Ratio Adjustment to Service Charge % Revenue	Ratio Adjustment to Distribution Volumetric Rate % Revenue kWh	Ratio Adjustment to Distribution Volumetric Rate % Revenue kW	Ratio Adjustment to Total % Revenue by Rate Class	Ratio Adjusted Service Charge % Revenue	Ratio Adjusted Distribution Volumetric Rate % Revenue kWh	Ratio Adjusted Distribution Volumetric Rate % Revenue kW	Ratio Adjusted Total % Revenue by Rate Class
Y = M / $AK	Z = N / $AL	AA = O / $AM	AB = P / $AN	AC = Q / $ AO	AD = R / $AP	AE = S / $AQ	AF = T / $AR	AG = U / $AS	AH = V / $AT	AI = W / $AU	AJ = V / $AV
44.3%	55.7%	0.0%	55.1%	48.2%	51.8%	0.0%	-2034.4%	44.4%	55.6%	0.0%	56.7%
13.8%	86.2%	0.0%	15.7%	13.5%	86.5%	0.0%	467.2%	13.9%	86.1%	0.0%	15.3%
7.4%	0.0%	92.6%	19.2%	7.3%	0.0%	92.7%	98.7%	7.4%	0.0%	92.6%	19.1%
22.1%	0.0%	77.9%	4.0%	22.1%	0.0%	77.9%	969.7%	22.1%	0.0%	77.9%	3.3%
38.4%	0.0%	61.6%	3.4%	38.4%	0.0%	61.6%	1108.3%	38.4%	0.0%	61.6%	2.6%
18.6%	81.4%	0.0%	0.5%	19.0%	81.0%	0.0%	95.7%	18.6%	81.4%	0.0%	0.4%
74.6%	0.0%	25.4%	0.0%	74.3%	0.0%	25.7%	-1.7%	74.6%	0.0%	25.4%	0.0%
25.3%	0.0%	74.7%	2.2%	25.0%	0.0%	75.0%	-603.6%	25.3%	0.0%	74.7%	2.6%
			0.0%				0.0%				0.0%
			0.0%				0.0%				0.0%
			0.0%				0.0%				0.0%
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Ontario Energy Board
Commission de l'énergie de l'Ontario
2009 OEB 3GIRM Supplementary Filing Module

Purpose of this sheet:
This sheet shows the result of the changes to ratios from Sheet 3.2.

Rate Class	Fixed Metric	Vol Metric	Billed Customers or Connections	Billed kWh	Billed kW	Base Service Charge	Ratio Adjustment to Service Charge	Ratio Adjusted Service Charge	Base Distribution Volumetric Rate kWh	Ratio Adjustment to Distribution Volumetric Rate kWh	Ratio Adjusted Distribution Volumetric Rate kWh	Base Distribution Volumetric Rate kW	Ratio Adjustment to Distribution Volumetric Rate kW	Ratio Adjusted Distribution Volumetric Rate kW
			A	B	C	D	E	F = D + E	G	H	I = G + H	J	K	L = J + K
Rate Class 26	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 27	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 28	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 29	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 30	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 31	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 32	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 33	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 34	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Rate Class 35	NA	NA	-	-	-	$0.00	$0.00	$0.00	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Base Service Charge Revenue	Base Distribution Volumetric Rate Revenue kWh	Base Distribution Volumetric Rate Revenue kW	BaseTotal Revenue by Rate Class	Ratio Adjustment to Service Charge Revenue	Ratio Adjustment to Distribution Volumetric Rate Revenue kWh	Ratio Adjustment To Distribution Volumetric Rate Revenue kW	Ratio Adjustment To Total Revenue by Rate Class	Ratio Adjusted Service Charge Revenue	Ratio Adjusted Distribution Volumetric Rate Revenue kWh	Ratio Adjusted Distribution Volumetric Rate Revenue kW	Ratio Adjusted Total Revenue by Rate Class
M = A * D * 12	N = B * E	O = C * F	P = M + N + O	Q = A * G * 12	R = B * H	S = C * I	T = Q + R + S	U = A * J * 12	V = B * K	W = C * L	X = U + V + W
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV

Base Service Charge % Revenue	Base Distribution Volumetric Rate % Revenue kWh	Base Distribution Volumetric Rate % Revenue kW	Base Total % Revenue by Rate Class	Ratio Adjustment to Service Charge % Revenue	Ratio Adjustment to Distribution Volumetric Rate % Revenue kWh	Ratio Adjustment to Distribution Volumetric Rate % Revenue kW	Ratio Adjustment to Total % Revenue by Rate Class	Ratio Adjusted Service Charge % Revenue	Ratio Adjusted Distribution Volumetric Rate % Revenue kWh	Ratio Adjusted Distribution Volumetric Rate % Revenue kW	Ratio Adjusted Total % Revenue by Rate Class
Y = M / $AK	Z = N / $AL	AA = O / $AM	AB = P / $AN	AC = Q / $ AO	AD = R / $AP	AE = S / $AQ	AF = T / $AR	AG = U / $AS	AH = V / $AT	AI = W / $AU	AJ = V / $AV
	0.0%										
	0.0%										
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	0.0%										
	0.0%										
	0.0%										
			0.0%				0.0%				0.0%

Purpose of this sheet:
This sheet shows the result of the changes to ratios from Sheet 3.1 and Sheet 3.2 to result in the "Out of Balance" section.

	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class
Revenue Before Cost Ratio Adjustment				
General (C3.1 CA RevCst-RateRe-alloc-Gen)	$5,822,448	$ 8,422,276	$ 4,634,585	$ 18,879,310
Unique (C3.2 CA RevCst-RateRe-alloc-Unq)	$ -	$ -	$ -	$ -
Total Revenue Before Cost Ratio Adjustment	**$5,822,448**	**$ 8,422,276**	**$ 4,634,585**	**$ 18,879,310**
Revenue Cost Ratio Adjustment				
General (C3.1 CA RevCst-RateRe-alloc-Gen)	$ 56,165	$ 79,361	-$ 149,399	-$ 13,873
Unique (C3.2 CA RevCst-RateRe-alloc-Unq)	$ -	$ -	$ -	$ -
Total Revenue Cost Ratio Adjustment	$ 56,165	$ 79,361	-$ 149,399	-$ 13,873
Revenue After Cost Ratio Adjustment				
General (C3.1 CA RevCst-RateRe-alloc-Gen)	$5,878,613	$ 8,501,638	$ 4,485,186	$ 18,865,437
Unique (C3.2 CA RevCst-RateRe-alloc-Unq)	$ -	$ -	$ -	$ -
Total Revenue After Cost Ratio Adjustment	**$5,878,613**	**$ 8,501,638**	**$ 4,485,186**	**$ 18,865,437**
Out of Balance				
Before Cost Ratio Adjustment	$5,822,448	$ 8,422,276	$ 4,634,585	$ 18,879,310
After Cost Ratio Adjustment	$5,878,613	$ 8,501,638	$ 4,485,186	$ 18,865,437
Total	**-$ 56,165**	**-$ 79,361**	**$ 149,399**	**$ 13,873**

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Purpose of this sheet:

This sheet is only required to be completed if the applicant is intending to apply for incremental capital. This sheet captures the Billing Determinants from the "Most Recent Year" (i.e. 2007 Actual) as required to calculate the "Growth" function to be used for the Incremental Capital Threhhold calculation.

Instructions:

1. Enter number of customers in column H (A)
2. Enter kWh in column I (B) for all classes
3. Enter kW in column J (C) for customer groups billed in kW or kVA

Rate Class	Fixed Metric	Vol Metric	Billed Customers or Connections A	Billed kWh B	Billed kW C	Base Service Charge D	Base Distribution Volumetric Rate kWh E	Base Distribution Volumetric Rate kW F	Service Charge Revenue 12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Total Revenue by Rate Class I
Residential	Customer	kWh	46,679	##########	0	$8.13	$0.0119	$0.0000	$4,554,003.24	$5,629,424.53	$0.00	$10,183,427.77
General Service Less Than 50 kW	Customer	kWh	3,765	##########	0	$8.88	$0.0182	$0.0000	$401,198.40	$2,408,697.27	$0.00	$2,809,895.67
General Service 50 to 999 kW	Customer	kW	524	0	######	$43.04	$0.0000	$3.7495	$270,635.52	$0.00	$3,375,043.81	$3,645,679.33
General Service 1,000 to 4,999 kW	Customer	kW	10	0	######	$1,532.52	$0.0000	$3.4039	$183,902.40	$0.00	$762,571.97	$946,474.37
Large Use > 5000 kW	Customer	kW	2	0	######	$10,207.56	$0.0000	$2.8064	$244,981.44	$0.00	$381,538.50	$626,519.94
Unmetered Scattered Load	Customer	kWh	300	2,560,667	0	$4.69	$0.0195	$0.0000	$16,884.00	$49,933.01	$0.00	$66,817.01
Sentinel Lighting	Connection	kW	77	0	139	$3.23	$0.0000	$7.3144	$2,984.52	$0.00	$1,016.70	$4,001.22
Street Lighting	Connection	kW	11,446	0	25,598	$0.74	$0.0000	$11.6448	$101,640.48	$0.00	$298,088.25	$399,728.73
Rate Class 9	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 10	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 11	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 12	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 13	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 14	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 15	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 16	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 17	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 18	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 19	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 20	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 21	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 22	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 23	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 24	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
Rate Class 25	NA	NA	0	0	0	$0.00	$0.0000	$0.0000	$0.00	$0.00	$0.00	$0.00
									$5,776,230.00	**$8,088,054.81**	**$4,818,259.23**	**$18,682,544.04**

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Purpose of this sheet:

This sheet is only required to be completed if the applicant is intending to apply for incremental capital. This sheet captures the Billing Determinants from the "Most Recent Year" (i.e. 2007 Actual) as required to calculate the "Growth" function to be used for the Incremental Capital Threhhold calculation.

Instructions:

1. Enter number of customers in column H (A)
2. Enter kWh in column I (B) for all classes
3. Enter kW in column J (C) for customer groups billed in kW or kVA

Rate Class	Fixed Metric	Vol Metric	Billed Customers or Connections	Billed kWh	Billed kW	Base Service Charge	Base Distribution Volumetric Rate kWh	Base Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class
			A	B	C	D	E	F	G = A * D * 12	H = B * E	I = C * F	J = G + H + I
Rate Class 26	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 27	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 28	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 29	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 30	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 31	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 32	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 33	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 34	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Rate Class 35	NA	NA	0	0	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
									$0.00	**$0.00**	**$0.00**	**$0.00**

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Purpose of this sheet:
This sheet determines the capital structure transition adjustment necessary for the utility. It is based on the Rate Base as shown on Sheet B3.1.

Capital Structure Transition

Size of Utility (Rate Base)

Year	Small [$0, $100M)			Med-Small [$100M,$250M)			Med-Large [$250M,$1B)			Large >=$1B		
	Short Term Debt	Long Term Debt	Equity	Short Term Debt	Long Term Debt	Equity	Short Term Debt	Long Term Debt	Equity	Short Term Debt	Long Term Debt	Equity
2007	4.0%	46.0%	50.0%	4.0%	51.0%	45.0%	4.0%	56.0%	40.0%	4.0%	61.0%	35.0%
2008	4.0%	49.3%	46.7%	4.0%	53.5%	42.5%	4.0%	56.0%	40.0%	4.0%	58.5%	37.5%
2009	4.0%	52.7%	43.3%	4.0%	56.0%	40.0%	4.0%	56.0%	40.0%	4.0%	56.0%	40.0%
2010	4.0%	56.0%	40.0%	4.0%	56.0%	40.0%	4.0%	56.0%	40.0%	4.0%	56.0%	40.0%

Rate Base	***A***	$63,257,706
Size of Utility	***B***	Small

Deemed Capital Structure

	Short Term Debt	Long Term Debt	Equity
2008	4.0%	49.3%	46.7%
2009	4.0%	52.7%	43.3%

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Purpose of this sheet:
This sheet calculates the K-Factor adjustment as determined from Sheet "E1.1". The K-factor value as calculated below (AX) should be entered on Sheet "D2.2 K-Factor Adjustment - Gen" and Sheet "D2.2 K-Factor Adjustment - Uniq".

Applicants Rate Base	Last Rate Re-Basing Amount			
Average Net Fixed Assets				
Gross Fixed Assets - Re-Basing Opening	$71,763,140	A		
Add: CWIP Re-Basing Opening	$ -	B		
Re-Basing Capital Additions	$10,993,345	C		
Re-Basing Capital Disposals	$ -	D		
Re-Basing Capital Retirements	$ -	E		
Deduct: CWIP Re-Basing Closing	$ -	F		
Gross Fixed Assets - Re-Basing Closing	$82,756,485	G		
Average Gross Fixed Assets			$77,259,813	H
Accumulated Depreciation - Re-Basing Opening	$25,551,378	I		
Re-Basing Depreciation Expense	$ 4,395,489	J		
Re-Basing Disposals	$ -	K		
Re-Basing Retirements	$ -	L		
Accumulated Depreciation - Re-Basing Closing	$29,946,867	M		
Average Accumulated Depreciation			$27,749,123	N
Average Net Fixed Assets			$49,510,690	O
Working Capital Allowance				
Working Capital Allowance Base	$91,646,775	P		
Working Capital Allowance Rate	15.0%	Q		
Working Capital Allowance			**$13,747,016**	R
Rate Base			**$63,257,706**	S

Return on Rate Base				
Deemed ShortTerm Debt %	**4.00%**	T	$ 2,530,308	W
Deemed Long Term Debt %	**52.70%**	U	$33,336,811	X
Deemed Equity %	**43.30%**	V	$27,390,587	Y
Short Term Interest	4.47%	Z	$ 113,105	AC
Long Term Interest	5.82%	AA	$ 1,940,402	AD
Return on Equity	8.57%	AB	$ 2,347,373	AE
Return on Rate Base			**$ 4,400,881**	AF

Distribution Expenses				
OM&A Expenses	$ 9,748,527	AG		
Amortization	$ 4,395,490	AH		
Ontario Capital Tax	$ 108,580	AI		
Grossed Up PILs	$ 1,635,595	AJ		
Low Voltage	$ -	AK		
Transformer Allowance	$ 239,375	AL		
Ontario Captial Tax Rate Change (.285 to .225)	$ 28,954	AM		
	$ -	AN		
	$ -	AO		
			$16,156,521	AP

Revenue Offsets				
Specific Service Charges	-$ 704,147	AQ		
Late Payment Charges	-$ 198,733	AR		
Other Distribution Income	-$ 698,776	AS		
Other Income and Deductions	-$ 124,331	AT	**-$ 1,725,987**	AU
Revenue Requirement from Distribution Rates (after Capital Structure Transition)			**$18,831,415**	AV
Revenue Requirement from Distribution Rates (Before Capital Structure Transition)			**$18,890,024**	AW
K-factor Adjustment			-0.31%	AX

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Purpose of this sheet:
This sheet calculates "Shared Tax Saving Rate Rider"

Instructions:
1. If the CCA rate changes were not applied in the re-basing then the appropriate values should be inputted here.

2. Enter the Taxable Capital amount and Deduction used in the last re-basing for the Ontario Taxable Capital calculation.

3. Enter the Regulatory Taxable Income used in the last rebasing to calculated PILs.

Summary - Sharing of Tax Change Forecast Amounts

1. Tax Related Amounts Forecast from CCA Rate Changes

Please note that the component with respect to CCA rates need only be completed if the affected changes were not applied in the 2008 COS process.

Computer Equipment (All Class 45 - If no change made)	
Opening UCC Balance - Jan 1, 2007	$ -
UCC Purchases / Additions to March 18, 2007	$ -
UCC Purchases / Additions on or after March 19, 2007	$ -
Closinging UCC Balance - Dec 31, 2007	$ -
UCC Purchases / Additions in Test Year 2008	$ -
UCC Before 1/2 Yr Adjustment	$ -
1/2 Year Rule {1/2 Additions Less Disposals}	$ -
Reduced UCC	$ -
CCA Rate -former tax rule CCA rate	45%
Total CCA Test Year - Computer Equipment (Class 45 - No Change)	**$ -**
Computer Equipment (Class 45 - If change made)	
Opening UCC Balance - Jan 1, 2007	$ -
UCC Purchases / Additions to March 18, 2007	$ -
UCC Balance - former tax rule CCA rate	$ -
CCA Rate	45%
CCA Test Year - Computer Equipment (Class 45 - No Change)	$ -
Computer Equipment (Class 50 - If change made)	
UCC Purchases / Additions on or after March 19, 2007	$ -
Closinging UCC Balance - Dec 31, 2007	$ -
UCC Purchases / Additions in Test Year 2008	$ -
UCC Before 1/2 Yr Adjustment	$ -
1/2 Year Rule {1/2 Additions Less Disposals}	$ -
Reduced UCC	$ -
CCA Rate -former tax rule CCA rate	55%
CCA Test Year	**$ -**
Total CCA Test Year - Computer Equipment - If change made	**$ -**
Affected Computer Equipment (Class 50 - As included in re-basing)	
UCC Purchases / Additions on or after March 19, 2007	$ -
Closinging UCC Balance - Dec 31, 2007	$ -
UCC Purchases / Additions in Test Year 2008	$ -
UCC Before 1/2 Yr Adjustment	$ -
1/2 Year Rule {1/2 Additions Less Disposals}	$ -
Reduced UCC	$ -
CCA Rate -former tax rule CCA rate	45%
CCA Test Year (Class 50 - As included in re-basing)	**$ -**

	2008	2009	2010	2011
Change in CCA - Computer Equipment (Class 45; New Class 50)	**$ -**	**$ -**	**$ -**	**$ -**

Distribution Assets (All Class 1 - If no change made)

Opening UCC Balance - Jan 1, 2007	$ -
UCC Purchases / Additions to March 18, 2007	$ -
UCC Purchases / Additions on or after March 19, 2007	$ -
Closinging UCC Balance - Dec 31, 2007	$ -
UCC Purchases / Additions in Test Year 2008	$ -
UCC Before 1/2 Yr Adjustment	$ -
1/2 Year Rule {1/2 Additions Less Disposals}	$ -
Reduced UCC	$ -
CCA Rate -former tax rule CCA rate	4%
Total CCA Test Year - Distribution Assets (Class 1 - No Change)	**$ -**

Distribution Assets (Class 4 - If change made)

Opening UCC Balance - Jan 1, 2007	$ -
UCC Purchases / Additions to March 18, 2007	$ -
UCC Balance - former tax rule CCA rate	$ -
CCA Rate	4%
CCA Test Year - Computer Equipment (Class 45 - No Change)	$ -

Distribution Assets (Class 1.1 - If change made)

UCC Purchases / Additions on or after March 19, 2007	$ -
Closinging UCC Balance - Dec 31, 2007	$ -
UCC Purchases / Additions in Test Year 2008	$ -
UCC Before 1/2 Yr Adjustment	$ -
1/2 Year Rule {1/2 Additions Less Disposals}	$ -
Reduced UCC	$ -
CCA Rate -former tax rule CCA rate	6%
CCA Test Year	**$ -**
Total CCA Test Year - Distribution Assets - If change made	**$ -**

Affected Distribution Assets (Class 1.1 - As included in re-basing)

UCC Purchases / Additions on or after March 19, 2007	$ -
Closinging UCC Balance - Dec 31, 2007	$ -
UCC Purchases / Additions in Test Year 2008	$ -
UCC Before 1/2 Yr Adjustment	$ -
1/2 Year Rule {1/2 Additions Less Disposals}	$ -
Reduced UCC	$ -
CCA Rate -former tax rule CCA rate	4%
Affected Distribution Assets CCA Test Year (Class 1.1 - As included in re-basing)	**$ -**

	2008	2009	2010	2011
Change in CCA - Distribution Assets (Class 1; New Class 1.1)	**$ -**	**$ -**	**$ -**	**$ -**
CCA Difference	$ -	$ -	$ -	$ -
Tax Rate (Anticipated Corporate Incorne Tax Rates during IR term)	33.5%	33.0%	32.0%	30.5%
Tax Impact	$ -	$ -	$ -	$ -
Grossed-up Tax Amount	**$ -**	**$ -**	**$ -**	**$ -**

2. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2008	2009	2010	2011
Taxable Capital	$ 63,257,706	$ 63,257,706	$ 63,257,706	$ 63,257,706
Deduction from taxable capital up to $15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000	$ 15,000,000
Net Taxable Capital	$ 48,257,706	$ 48,257,706	$ 48,257,706	$ 48,257,706
Rate	0.225%	0.225%	0.150%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	**$ 108,580**	**$ 108,580**	**$ 36,094**	**$ -**

3. Tax Related Amounts Forecast from Income Tax Rate Changes

	2008	2009	2010	2011
Regulatory Taxable Income	$ 3,246,779	$ 3,246,779	$ 3,246,779	$ 3,246,779
Corporate Tax Rate	33.5%	33.0%	32.0%	30.5%
Tax Impact	$ 1,087,671	$ 1,071,437	$ 1,038,969	$ 990,268
Grossed-up Tax Amount	**$ 1,635,595**	**$ 1,599,160**	**$ 1,527,896**	**$ 1,424,845**
Tax Related Amounts Forecast from CCA Rate Changes	$ -	$ -	$ -	$ -
Tax Related Amounts Forecast from Capital Tax Rate Changes	$ 108,580	$ 108,580	$ 36,094	$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	$ 1,635,595	$ 1,599,160	$ 1,527,896	$ 1,424,845
Total Tax Related Amounts	**$ 1,744,175**	**$ 1,707,740**	**$ 1,563,990**	**$ 1,424,845**
Incremental Tax Savings		**-$ 36,436**	**-$ 180,185**	**-$ 319,330**
Total Tax Savings (2009 - 2012)				
Sharing of Tax Savings (50%)		**-$ 18,218**	**-$ 90,093**	**-$ 159,665**
Total Sharing of Tax Savings (50%)				

2012
$ -

	2012
$	**-**
$	-
	29.0%
$	-
$	**-**

2012
$ 63,257,706
$ 15,000,000
$ 48,257,706
0.000%
$ -

2012
$ 3,246,779
29.0%
$ 941,566
$ 1,326,149

$ -
$ -
$ 1,326,149
$ 1,326,149
-$ 418,026
-$ 953,977
-$ 209,013
-$ 476,988

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Purpose of this sheet:

This sheet calculates "Shared Tax Saving Rate Rider" based on Option A: Fixed Variable split.
The applicant may elect to enter the calculated rate riders as found under Columns K, L, & M onto Sheet "J2.5 Tax Change Rate Rider"

The applicant may alternatively elect to use Option B based on Volumetric allocation or calculate an alternative rate rider.

The instructions per the September 5, 2008 Supplementary Report of the Board on 3GIRM apply in all cases.

Rate Class	Fixed Metric	Vol Metric	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class	Billed Customers or Connections	Billed kWh	Billed kW	Service Charge Rate Rider	Distribution Volumetric Rate kWh Rate Rider	Distribution Volumetric Rate kW Rate Rider
			A	B	C	D = $N * A	E = $N * B	F = $N * C	G = D + E + F	H	I	J	K = D / H / 12	L = E / I	M = F / J
Residential	Customer	kWh	25.2%	31.5%	0.0%	-$ 4,582.20	-$ 5,739.71	$ -	##########	47,243	487,192,399	0	-$0.0080830	-$0.0000120	
General Service Less Than 50 kW	Customer	kWh	2.1%	13.2%	0.0%	-$ 387.19	-$ 2,408.12	$ -	-$ 2,795.32	3,845	140,097,188	0	-$0.0083920	-$0.0000170	
General Service 50 to 999 kW	Customer	kW	1.4%	0.0%	17.7%	-$ 259.38	$ -	-$ 3,224.51	-$ 3,483.89	522	0	893,941	-$0.0414080		-$0.0036070
General Service 1,000 to 4,999 kW	Customer	kW	0.7%	0.0%	2.5%	-$ 131.11	$ -	-$ 461.88	-$ 592.99	9	0	171,299	-$1.2139550		-$0.0026960
Large Use > 5000 kW	Customer	kW	1.0%	0.0%	1.6%	-$ 179.59	$ -	-$ 288.41	-$ 468.00	2	0	140,182	-$7.4831240		-$0.0020570
Unmetered Scattered Load	Customer	kWh	0.1%	0.3%	0.0%	-$ 14.14	-$ 61.96	$ -	-$ 76.10	305	3,841,944	0	-$0.0038630	-$0.0000160	
Sentinel Lighting	Connection	kW	0.0%	0.0%	0.0%	-$ 3.05	$ -	-$ 1.04	-$ 4.09	77	0	139	-$0.0033030		-$0.0074860
Street Lighting	Connection	kW	0.7%	0.0%	2.0%	-$ 120.15	$ -	-$ 355.38	-$ 475.53	11,650	0	26,213	-$0.0008590		-$0.0135570
Rate Class 9	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 10	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 11	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 12	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 13	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 14	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 15	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 16	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 17	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 18	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 19	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 20	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 21	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 22	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 23	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 24	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 25	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
			31.2%	45.1%	23.8%	-$5,676.81	-$8,209.79	-$4,331.22	-$18,217.82						
									-						
									N						

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Purpose of this sheet:

This sheet calculates "Shared Tax Saving Rate Rider" based on Option B: Volumetric allocation .
The applicant may elect to enter the calculated rate riders as found under Columns F & G onto Sheet "J2.5 Tax Change Rate Rider"

The applicant may alternatively elect to use Option A based on Fixed Variable split or calculate an alternative rate rider.

The instructions per the September 5, 2008 Supplementary Report of the Board on 3GIRM apply in all cases.

Rate Class	Fixed Metric	Vol Metric	Total Revenue $ by Rate Class A	Total Revenue % by Rate Class B = A / $H	Total Z-Factor Tax Change$ by Rate Class C = $I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	Customer	kWh	$10,688,834	56.66%	-$10,322	#########	0	-$0.000021	
General Service Less Than 50 kW	Customer	kWh	$2,894,687	15.34%	-$2,795	#########	0	-$0.000020	
General Service 50 to 999 kW	Customer	kW	$3,607,738	19.12%	-$3,484	0	######		-$0.003897
General Service 1,000 to 4,999 kW	Customer	kW	$614,069	3.25%	-$593	0	######		-$0.003462
Large Use > 5000 kW	Customer	kW	$484,637	2.57%	-$468	0	######		-$0.003339
Unmetered Scattered Load	Customer	kWh	$78,800	0.42%	-$76	3,841,944	0	-$0.000020	
Sentinel Lighting	Connection	kW	$4,238	0.02%	-$4	0	139		-$0.029440
Street Lighting	Connection	kW	$492,434	2.61%	-$476	0	26,213		-$0.018141
Rate Class 9	NA	NA	$0	0.00%	$0	0	0		
Rate Class 10	NA	NA	$0	0.00%	$0	0	0		
Rate Class 11	NA	NA	$0	0.00%	$0	0	0		
Rate Class 12	NA	NA	$0	0.00%	$0	0	0		
Rate Class 13	NA	NA	$0	0.00%	$0	0	0		
Rate Class 14	NA	NA	$0	0.00%	$0	0	0		
Rate Class 15	NA	NA	$0	0.00%	$0	0	0		
Rate Class 16	NA	NA	$0	0.00%	$0	0	0		
Rate Class 17	NA	NA	$0	0.00%	$0	0	0		
Rate Class 18	NA	NA	$0	0.00%	$0	0	0		
Rate Class 19	NA	NA	$0	0.00%	$0	0	0		
Rate Class 20	NA	NA	$0	0.00%	$0	0	0		
Rate Class 21	NA	NA	$0	0.00%	$0	0	0		
Rate Class 22	NA	NA	$0	0.00%	$0	0	0		
Rate Class 23	NA	NA	$0	0.00%	$0	0	0		
Rate Class 24	NA	NA	$0	0.00%	$0	0	0		
Rate Class 25	NA	NA	$0	0.00%	$0	0	0		
			$18,865,437	100.00%	-$18,218				
			H		I				

Ontario Energy Board
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Purpose of this sheet:
This sheet calculates "Price Cap Index" and the "Growth" value to be used in the Incremental Capital Threshold calculation.

The Price Cap Index is also to be entered on Sheet "F1.2 Price Cap Adjustment - Gen" and Sheet "F1.3 Price Cap Adjustment - Unq" if applicable.

Note:

Price Cap Index

Price Escalator (GDP-IPI)		2.10%		
Less Productivity Factor		-0.72%		
Less Stretch Factor		-0.40%		
Price Cap Index			**0.98%**	

Growth

Re-Basing - General	B1.1 Re-Basing Revenue - Gen	$18,879,310	A	
Re-Basing - Unique	B2.1 Re-Basing Revenue - Unique	$ -	B	
Re-Basing - Total			$18,879,310	C
Most Recent Year Reported - General	D1.1 Ld Act-Mst Rcent Yr - Gen	$18,682,544	D	
Most Recent Year Reported - Unique	D1.2 Ld Act-Mst Rcent Yr - Uniq	$ -	E	
Most Recent Year Reported - Total			$18,682,544	F
Growth			**1.05%**	G

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Purpose of this sheet:
This sheet calculates the Incremental Capital Threshold and the Incremental Capital CAPEX

Instructions:
1. The Threshold Test (L) and resultant Threshold CAPEX (M) are based on inputs form sheets "B3.1 Re-Basing Reven Requiremt" , "D1.1 Ld Act-Mst Rcent Yr - Gen", "D1.2 Ld Act-Mst Rcent Yr - Unq" , and "G1.1 Threshold Parameters".

2. The applicant may elect to test their 2009 Proposed Capital Forecast by entering inputs as shown in Column O which calculates Proposed CAPEX" (Q).

3. If Proposed CAPEX (Q) is greater than Threshold CAPEX (M), Incremental Capital CAPEX (R) is calculated.

Year Status	2005 Actual	2006 Actual	2007 Actual	2008 Re-Basing		2008 Forecast	2009 Proposed	
Price Cap Index				**0.98%**	**A**			
Growth				**1.05%**	**B**			
Dead Band				**20%**	**C**			
Average Net Fixed Assets								
Gross Fixed Assets Opening	$42,296,955	$51,935,955	$60,919,955	$ 71,763,140		$72,098,955	$ 81,389,197	
Add: CWIP Opening				$ -				**D**
Capital Additions	$10,239,000	$ 9,519,000	$11,388,000	$ 10,993,345		$ 9,290,242	$ 10,100,575	**E**
Capital Disposals	-$ 600,000	-$ 535,000	-$ 209,000	$ -			$ 1,703,249	
Capital Retirements				$ -			Total Above Capex $11,803,824	
Deduct: CWIP Closing				$ -				**F**
Gross Fixed Assets - Closing	$51,935,955	$60,919,955	$72,098,955	$ 82,756,485		$81,389,197	$ 93,193,021	
Average Gross Fixed Assets	$47,116,455	$56,427,955	$66,509,455	$ 77,259,813		$76,744,076	$ 87,291,109	
Accumulated Depreciation - Opening	$12,138,000	$15,599,000	$19,422,000	$ 25,551,378		$23,996,000	$ 28,958,181	
Depreciation Expense	$ 4,061,000	$ 4,342,000	$ 4,783,000	$ 4,395,489	**G**	$ 4,962,181	$ 5,152,992	
Disposals	-$ 600,000	-$ 519,000	-$ 209,000	$ -				
Retirements	$ -	$ -	$ -	$ -				
Accumulated Depreciation - Closing	$15,599,000	$19,422,000	$23,996,000	$ 29,946,867		$28,958,181	$ 34,111,174	
Average Accumulated Depreciation	$13,868,500	$17,510,500	$21,709,000	$ 27,749,123		$26,477,091	$ 31,534,677	
Average Net Fixed Assets	$33,247,955	$38,917,455	$44,800,455	$ 49,510,690	**H**	$50,266,985	$ 55,756,432	

Working Capital Allowance			
Working Capital Allowance Base	$ 91,646,775		
Working Capital Allowance Rate	15%		
Working Capital Allowance	$ 13,747,016	**I**	
Rate Base	**$ 63,257,706**	**J = H + I**	
Depreciation	**G $ 4,395,489**	**K**	
Threshold Test	**149.41%**	**L = 1 + (J / K) * (B + A * (1 + B)) + C**	
Threshold CAPEX			$ 6,567,275 **M = K * L**

Proposed CAPEX				
CWIP Opening	**D**	$ -	**N**	
Capital Additions	**E**	$ 10,100,575	**O**	
CWIP Closing	**F**	$ -	**P**	
Proposed CAPEX				$ 10,100,575 **Q = N + O + P**
Incremental Capital CAPEX				**$ 3,533,300** **R = Q - M**

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Purpose of this sheet:

This sheet calculates the Depreciation Expense factor and CCA factor to be applied to Incremental CAPEX.

Instructions:

1. In order to calculate depreciation for Incremental CAPEX, a factor for the depreciation on new capital in 2009 must be inputted. This amount is exclusive of depreciation on previous period investments. The half year rule for depreciation must be applied to this calculation in order to be in conformance with OEB depreciation policy. Enter this value in Row 43 below with historical amounts for comparison. To

Balance Sheet

Year	2005	2006	2007	2008	2008	2009	
Status	Actual	Actual	Actual	Re-Basing	Forecast	Proposed	
Fixed Assets & Accumulated Depreciation							
Gross Fixed Assets -Opening	$ 42,296,955	$ 51,935,955	$ 60,919,955	$ 71,763,140	$ 72,098,955	$ 81,389,197	
Add: CWIP Opening	$ -	$ -	$ -	$ -	$ -	$ -	
Capital Additions	$ 10,239,000	$ 9,519,000	$ 11,388,000	$ 10,993,345	$ 9,290,242	$ 10,100,575	
Capital Disposals	-$ 600,000	-$ 535,000	-$ 209,000	$ -	$ -	$ 1,703,249	
Capital Retirements	$ -	$ -	$ -	$ -	$ -	Total Above Capex $11,803,824	
Deduct: CWIP Closing	$ -	$ -	$ -	$ -	$ -	$ -	
Gross Fixed Assets - Closing	$ 51,935,955	$ 60,919,955	$ 72,098,955	$ 82,756,485	$ 81,389,197	$ 93,193,021	
Accumulated Depreciation - Opening	$ 12,138,000	$ 15,599,000	$ 19,422,000	$ 25,551,378	$ 23,996,000	$ 28,958,181	
Depreciation Expense	$ 4,061,000	$ 4,342,000	$ 4,783,000	$ 4,395,489	$ 4,962,181	$ 5,152,992	
Disposals	-$ 600,000	-$ 519,000	-$ 209,000	$ -	$ -	$ -	
Retirements	$ -	$ -	$ -	$ -	$ -	$ -	
Accumulated Depreciation - Closing	$ 15,599,000	$ 19,422,000	$ 23,996,000	$ 29,946,867	$ 28,958,181	$ 34,111,174	
Depreciation Expense as a percentage of Gross Fixed Assets							
Depreciation Expense on Gross Fixed Assets attributable to prior years	$ 3,859,190	$ 4,168,033	$ 4,525,090	$ 4,101,127	$ 4,708,000	$ 4,887,181	
Depreciation Expense on Gross Fixed Assets attributable to reporting years	$ 201,810	$ 173,967	$ 257,910	$ 294,363	$ 254,181	$ 265,811	**A**
Depreciation Expense on Gross Fixed Assets	$ 4,061,000	$ 4,342,000	$ 4,783,000	$ 4,395,489	$ 4,962,181	$ 5,152,992	
Gross Fixed Assets attributable to prior years	$ 41,696,955	$ 51,400,955	$ 60,710,955	$ 71,763,140	$ 72,098,955	$ 83,092,446	
Gross Fixed Assets attributable to reporting years	$ 10,239,000	$ 9,519,000	$ 11,388,000	$ 10,993,345	$ 9,290,242	**$ 10,100,575**	**B**
Gross Fixed Assets - Closing	$ 51,935,955	$ 60,919,955	$ 72,098,955	$ 82,756,485	$ 81,389,197	$ 93,193,021	
Depreciation Expense as a percentage of Gross Fixed Assets - Prior Years	9%	8%	7%	6%	7%	6%	
Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years	2%	2%	2%	3%	3%	**3%**	**C = A / B**
Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years Times 2 (Two) to adjust for half-year rule						**5%**	**D = C * 2**

Income Tax Return

Year		2005	2006	2007	2008	2008	2009	
Status		Actual	Actual	Actual	Re-Basing	Forecast	Proposed	
Undepreciated Capital Cost and Captial Cost Allowance								
(as derived from CCRA T2 SCH 8 (99))								
Undepreciated capital cost at the beginning of the year	**2**	$ 60,224,205	$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121	$ 78,368,705	
Cost of acquisitions during the year (new property must be available for use)	**3**	$ 4,449,223	$ 4,045,270	$ 8,451,569	$ 10,993,345	$ 9,290,242	$ 11,803,824	
Net adjustments	**4**	$ -	-$ 67,603	-$ 1,479,010	$ -	$ -	$ -	
Proceeds of dispositions during the year (amount not to exceed the capital cost)	**5**	-$ 35,437	-$ 64,000	-$ 36,000	$ -	$ -	$ -	
Undepreciated capital cost	**6**	$ 64,637,991	$ 65,500,839	$ 69,314,054	$ 76,917,705	$ 82,354,363	$ 90,172,529	
50% rule (1/2 of the amount, if any, by which the net cost of acquisitions exceeds row 5)	**7**	$ 2,206,894	$ 2,022,636	$ 4,207,785	$ 5,496,673	$ 4,645,121	$ 5,901,912	
Reduced undepreciated capital cost (row 6 minus row 7)	**8**	$ 59,777,097	$ 63,478,203	$ 65,106,269	$ 71,421,033	$ 77,709,242	$ 84,270,617	
Recapture of capital cost allowance	**10**	$ -	$ -	$ -	$ -	$ -	$ -	
Terminal loss	**11**	$ -	$ -	$ -	$ -	$ -	$ -	
Capital cost allowance	**12**	$ 3,050,819	$ 3,123,344	$ 3,389,694	$ 3,853,584	$ 3,985,658	$ 4,658,270	
Undepreciated capital cost at the end of the year (row 6 minus row 12)	**13**	$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121	$ 78,368,705	$ 85,514,259	
CCA on Opening UCC		$ 2,780,032	$ 2,981,108	$ 2,935,388	$ 3,403,294	$ 3,493,682	$ 4,056,949	
CCA on Additions To UCC		$ 278,760	$ 150,484	$ 459,706	$ 450,290	$ 491,976	**$ 601,321**	**E**
CCA on Other Adjustments		-$ 7,973	-$ 8,248	-$ 5,400	$ -	$ -	**$ -**	
CCA Claimed		$ 3,050,819	$ 3,123,344	$ 3,389,694	$ 3,853,584	$ 3,985,658	$ 4,658,270	
		- 0.00	- 0.01	- 0.00	-	-	-	
CCA as a percent of UCC								
Opening UCC	**2**	$ 60,224,205	$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121	$ 78,368,705	
Cost of acquisitions during the year (new property must be available for use)	**3**	$ 4,449,223	$ 4,045,270	$ 8,451,569	$ 10,993,345	$ 9,290,242	**$ 11,803,824**	**F**
Other Adjustments		-$ 3,086,256	-$ 3,254,947	-$ 4,904,704	-$ 3,853,584	-$ 3,985,658	-$ 4,658,270	
Closing UCC	**13**	$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121	$ 78,368,705	$ 85,514,259	
CCA as a percent of Opening UCC and Disposals From UCC		5%	5%	5%	5%	5%	5%	
CCA as a percent of Additions To UCC		6%	4%	5%	4%	5%	**5%**	**G = E / F**

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Purpose of this sheet:

This sheet calculates the Revenue Requirement for Incremental CAPEX to be recovered through the Incremental Capital Rate Rider.

Current Revenue Requirement				
Current Revenue Requirement - General			$ 18,879,310	A
Current Revenue Requirement - Unique			$ -	B
Current Revenue Requirement - Total			$ 18,879,310	C = A + B

Return on Rate Base				
Incremental Capital CAPEX			$ 3,533,300	D
Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years	5.26%	E	$ 185,968	F = D * E
Incremental Capital CAPEX to be included in Rate Base			$ 3,347,332	G = D + F
Deemed ShortTerm Debt %	4.0%	H	$ 133,893	J = G * H
Deemed Long Term Debt %	52.7%	I	$ 1,764,044	K = G * I
Short Term Interest	4.47%	L	$ 5,985	N = J * L
Long Term Interest	5.82%	M	$ 102,678	O =K * M
Return on Rate Base - Interest			$ 108,663	P = N + O
Deemed Equity %	43.3%	Q	$ 1,449,395	R = G * Q
Return on Rate Base -Equity	8.57%	S	$ 124,213	T = R * S
Return on Rate Base - Total			$ 232,876	U = P + T

Amortization Expense				
Incremental Capital CAPEX	$3,533,299.71	V = D		
Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years	5.26%	W		
Amortization Expense - Incremental			$ 185,968	X = V * W

Grossed up PIL's				
Regulatory Taxable Income			$ 124,213	Y = T
Add Back Amortization Expense			$ 185,968	Z = X
Incremental Capital CAPEX	$3,533,299.71	AA = D		
CCA as a percent of Average UCC	5.09%	AB		
Deduct CCA			$ 179,997	AC = AA * AB
Incremental Taxable Income			$ 130,184	AD = Y + Z - AC
Current Tax Rate (F1.1 Z-Factor Tax Changes)	33.0%	AE		
PIL's Before Gross Up			$ 42,961	AF = AD * AE
Incremental Grossed Up PIL's			$ 64,121	AG = AF / (1 - AE)

Ontario Capital Tax				
Incremental Capital CAPEX			$ 3,533,300	AH = D
Less : Available Capital Exemption (if any)			$ 16,752,889	AJ
Incremental Capital CAPEX subject to OCT			-$ 13,219,589	AK
Ontario Capital Tax Rate (F1.1 Z-Factor Tax Changes)	0.225%	AL		
Incremental Ontario Capital Tax			-$ 29,744	AM = AK * AL

Incremental Revenue Requirement			
Return on Rate Base - Total		$ 232,876	AN
Amortization Expense - Total		$ 185,968	AO
Incremental Grossed Up PIL's		$ 64,121	AP
Incremental Ontario Capital Tax		-$ 29,744	AQ
Incremental Revenue Requirement		$ 453,220	R = AN + AO + AP + A

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Purpose of this sheet:

This sheet calculates "Incremental Capital Rate Rider" based on Option A: Fixed Variable split.
The applicant may elect to enter the calculated rate riders as found under Columns K, L & M onto Sheet "J2.5 Tax Change Rate Rider".

The applicant may alternatively elect to use Option B based on Volumetric allocation or calculate an alternative rate rider.

The instructions per the September 5, 2008 Supplementary Report of the Board on 3GIRM apply in all cases.

Rate Class	Fixed Metric	Vol Metric	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class	Billed Customers or Connections	Billed kWh	Billed kW	Service Charge Rate Rider	Distribution Volumetric Rate kWh Rate Rider	Distribution Volumetric Rate kW Rate Rider
			A	B	C	D = $N * A	E = $N * B	F = $N * C	G = D + E + F	H	I	J	K = D / H / 12	L = E / I	M = F / J
Residential	Customer	kWh	25.2%	31.5%	0.0%	#########	$142,791.67	$ -	$256,786.90	47,243	#########	0	$0.201080	$0.000293	
General Service Less Than 50 kW	Customer	kWh	2.1%	13.2%	0.0%	$ 9,632.52	$ 59,908.98	$ -	$ 69,541.50	3,845	#########	0	$0.208767	$0.000428	
General Service 50 to 999 kW	Customer	kW	1.4%	0.0%	17.7%	$ 6,452.81	$ -	$ 80,218.93	$ 86,671.74	522	0	######	$1.030143		$0.089736
General Service 1,000 to 4,999 kW	Customer	kW	0.7%	0.0%	2.5%	$ 3,261.67	$ -	$ 11,490.63	$ 14,752.30	9	0	######	$30.200617		$0.067079
Large Use > 5000 kW	Customer	kW	1.0%	0.0%	1.6%	$ 4,467.94	$ -	$ 7,174.91	$ 11,642.85	2	0	######	$186.164144		$0.051183
Unmetered Scattered Load	Customer	kWh	0.1%	0.3%	0.0%	$ 351.71	$ 1,541.38	$ -	$ 1,893.09	305	3,841,944	0	$0.096095	$0.000401	
Sentinel Lighting	Connection	kW	0.0%	0.0%	0.0%	$ 75.92	$ -	$ 25.89	$ 101.80	77	0	139	$0.082162		$0.186235
Street Lighting	Connection	kW	0.7%	0.0%	2.0%	$ 2,989.09	$ -	$ 8,841.07	$ 11,830.16	11,650	0	26,213	$0.021381		$0.337278
Rate Class 9	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 10	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 11	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 12	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 13	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 14	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 15	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 16	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 17	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 18	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 19	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 20	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 21	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 22	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 23	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 24	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
Rate Class 25	NA	NA	0.0%	0.0%	0.0%	$ -	$ -	$ -	$ -	0	0	0			
			31.2%	45.1%	23.8%	#########	$204,242.03	$107,751.43	$453,220.35						
									-						
									N						

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Purpose of this sheet:

This sheet calculates "Incremental Capital Rate Rider" based on Option B: Volumetric allocation.
The applicant may elect to enter the calculated rate riders as found under Columns F & G onto Sheet "J2.5 Tax Change Rate Rider".

The applicant may alternatively elect to use Option A based on Fixed Variable split or calculate an alternative rate rider.

The instructions per the September 5, 2008 Supplementary Report of the Board on 3GIRM apply in all cases.

Rate Class	Fixed Metric	Vol Metric	Total Revenue $ by Rate Class A	Total Revenue % by Rate Class B = A / $H	Total Incremental Capital $ by Rate Class C = $I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	Customer	kWh	$10,688,834	56.66%	$256,787	487,192,399	0	$0.000527	
General Service Less Than 50 kW	Customer	kWh	$2,894,687	15.34%	$69,542	140,097,188	0	$0.000496	
General Service 50 to 999 kW	Customer	kW	$3,607,738	19.12%	$86,672	0	######		$0.096955
General Service 1,000 to 4,999 kW	Customer	kW	$614,069	3.25%	$14,752	0	######		$0.086120
Large Use > 5000 kW	Customer	kW	$484,637	2.57%	$11,643	0	######		$0.083055
Unmetered Scattered Load	Customer	kWh	$78,800	0.42%	$1,893	3,841,944	0	$0.000493	
Sentinel Lighting	Connection	kW	$4,238	0.02%	$102	0	139		$0.732403
Street Lighting	Connection	kW	$492,434	2.61%	$11,830	0	26,213		$0.451309
Rate Class 9	NA	NA	$0	0.00%	$0	0	0		
Rate Class 10	NA	NA	$0	0.00%	$0	0	0		
Rate Class 11	NA	NA	$0	0.00%	$0	0	0		
Rate Class 12	NA	NA	$0	0.00%	$0	0	0		
Rate Class 13	NA	NA	$0	0.00%	$0	0	0		
Rate Class 14	NA	NA	$0	0.00%	$0	0	0		
Rate Class 15	NA	NA	$0	0.00%	$0	0	0		
Rate Class 16	NA	NA	$0	0.00%	$0	0	0		
Rate Class 17	NA	NA	$0	0.00%	$0	0	0		
Rate Class 18	NA	NA	$0	0.00%	$0	0	0		
Rate Class 19	NA	NA	$0	0.00%	$0	0	0		
Rate Class 20	NA	NA	$0	0.00%	$0	0	0		
Rate Class 21	NA	NA	$0	0.00%	$0	0	0		
Rate Class 22	NA	NA	$0	0.00%	$0	0	0		
Rate Class 23	NA	NA	$0	0.00%	$0	0	0		
Rate Class 24	NA	NA	$0	0.00%	$0	0	0		
Rate Class 25	NA	NA	$0	0.00%	$0	0	0		
			$18,865,437	100.00%	$453,220				
			H		I				

Residential

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	8.13	8.43
Service Charge Rate Rider(s)	$	0.27	0.99
Distribution Volumetric Rate	$/kWh	0.0119	0.0123
Distribution Volumetric Rate Rider(s)	$/kWh	-	0.0009
Retail Transmission Rate – Network Service Rate	$/kWh	0.0048	0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0043	0.0051
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**1,000**	**kWh**	**-**	**kW**	***Loss Factor*** ***1.0487***
RPP Tier One	**600**	**kWh**	***Load Factor***		

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	600	0.0560	33.60	600	0.0560	33.60	0.00	0.0%	29.07%
Energy Second Tier (kWh)	449	0.0650	29.19	449	0.0650	29.19	0.00	0.0%	25.26%
Sub-Total: Energy			**62.79**			**62.79**	**0.00**	**0.0%**	**54.33%**
Service Charge	1	8.13	8.13	1	8.43	8.43	0.30	3.7%	7.29%
Service Charge Rate Rider(s)	1	0.27	0.27	1	0.99	0.99	0.72	266.7%	0.86%
Distribution Volumetric Rate	1,000	0.0119	11.90	1,000	0.0123	12.30	0.40	3.4%	10.64%
Distribution Volumetric Rate Rider(s)	1,000	0.0000	0.00	1,000	0.0009	0.90	0.90	0.0%	0.78%
Total: Distribution			**20.30**			**22.62**	**2.32**	**11.4%**	**19.57%**
Retail Transmission Rate – Network Service Rate	1,049	0.0048	5.04	1,049	0.0053	5.56	0.52	10.3%	4.81%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,049	0.0043	4.51	1,049	0.0051	5.35	0.84	18.6%	4.63%
Total: Retail Transmission			**9.55**			**10.91**	**1.36**	**14.2%**	**9.44%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**29.85**			**33.53**	**3.68**	**12.3%**	**29.01%**
Wholesale Market Service Rate	1,049	0.0052	5.45	1,049	0.0052	5.45	0.00	0.0%	4.72%
Rural Rate Protection Charge	1,049	0.0010	1.05	1,049	0.0010	1.05	0.00	0.0%	0.91%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.22%
Sub-Total: Regulatory			**6.75**			**6.75**	**0.00**	**0.0%**	**5.84%**
Debt Retirement Charge (DRC)	1,000	0.00700	**7.00**	1,000	0.00700	**7.00**	**0.00**	**0.0%**	**6.06%**
Total Bill before Taxes			**106.39**			**110.07**	**3.68**	**3.5%**	**95.24%**
GST	106.39	5%	**5.32**	110.07	5%	**5.50**	**0.18**	**3.4%**	**4.76%**
			111.71			**115.57**	**3.86**	**3.5%**	**100.00%**

Rate Class Threshold Test

Residential

kWh	250	600	1,000	1,600	2,250
Loss Factor Adjusted kWh	263	630	1,049	1,678	2,360
kW					
Load Factor					

Energy

Applied For Bill	$ 14.73	$ 35.55	$ 62.78	$ 103.67	$ 148.00
Current Bill	$ 14.73	$ 35.55	$ 62.78	$ 103.67	$ 148.00
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	41.5%	49.9%	54.3%	56.9%	58.2%

Distribution

Applied For Bill	$ 12.72	$ 17.35	$ 22.63	$ 30.56	$ 39.15
Current Bill	$ 11.38	$ 15.54	$ 20.30	$ 27.44	$ 35.18
$ Impact	$ 1.34	$ 1.81	$ 2.33	$ 3.12	$ 3.97
% Impact	11.8%	11.6%	11.5%	11.4%	11.3%
% of Total Bill	35.8%	24.4%	19.6%	16.8%	15.4%

Retail Transmission

Applied For Bill	$ 2.73	$ 6.55	$ 10.91	$ 17.45	$ 24.55
Current Bill	$ 2.39	$ 5.73	$ 9.55	$ 15.27	$ 21.48
$ Impact	$ 0.34	$ 0.82	$ 1.36	$ 2.18	$ 3.07
% Impact	14.2%	14.3%	14.2%	14.3%	14.3%
% of Total Bill	7.7%	9.2%	9.4%	9.6%	9.6%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 15.45	$ 23.90	$ 33.54	$ 48.01	$ 63.70
Current Bill	$ 13.77	$ 21.27	$ 29.85	$ 42.71	$ 56.66
$ Impact	$ 1.68	$ 2.63	$ 3.69	$ 5.30	$ 7.04
% Impact	12.2%	12.4%	12.4%	12.4%	12.4%
% of Total Bill	43.5%	33.6%	29.0%	26.3%	25.0%

Regulatory

Applied For Bill	$ 1.88	$ 4.16	$ 6.75	$ 10.66	$ 14.88
Current Bill	$ 1.88	$ 4.16	$ 6.75	$ 10.66	$ 14.88
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.3%	5.8%	5.8%	5.9%	5.8%

Debt Retirement Charge

Applied For Bill	$ 1.75	$ 4.20	$ 7.00	$ 11.20	$ 15.75
Current Bill	$ 1.75	$ 4.20	$ 7.00	$ 11.20	$ 15.75
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	4.9%	5.9%	6.1%	6.1%	6.2%

GST

Applied For Bill	$ 1.69	$ 3.39	$ 5.50	$ 8.68	$ 12.12
Current Bill	$ 1.61	$ 3.26	$ 5.32	$ 8.41	$ 11.76
$ Impact	$ 0.08	$ 0.13	$ 0.18	$ 0.27	$ 0.36
% Impact	5.0%	4.0%	3.4%	3.2%	3.1%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 35.50	$ 71.20	$ 115.57	$ 182.22	$ 254.45
Current Bill	$ 33.74	$ 68.44	$ 111.70	$ 176.65	$ 247.05
$ Impact	$ 1.76	$ 2.76	$ 3.87	$ 5.57	$ 7.40
% Impact	5.2%	4.0%	3.5%	3.2%	3.0%

General Service Less Than 50 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	8.88	8.75
Service Charge Rate Rider(s)	$	0.27	0.99
Distribution Volumetric Rate	$/kWh	0.0182	0.0179
Distribution Volumetric Rate Rider(s)	$/kWh	-	0.0005
Retail Transmission Rate – Network Service Rate	$/kWh	0.0043	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0039	0.0046
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**10,000**	**kWh**	**-**	**kW**	***Loss Factor*** **1.0487**
RPP Tier One	**750**	**kWh**	***Load Factor***		

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0560	42.00	750	0.0560	42.00	0.00	0.0%	3.63%
Energy Second Tier (kWh)	9,737	0.0650	632.91	9,737	0.0650	632.91	0.00	0.0%	54.67%
Sub-Total: Energy			**674.91**			**674.91**	**0.00**	**0.0%**	**58.30%**
Service Charge	1	8.88	8.88	1	8.75	8.75	-0.13	(1.5)%	0.76%
Service Charge Rate Rider(s)	1	0.27	0.27	1	0.99	0.99	0.72	266.7%	0.09%
Distribution Volumetric Rate	10,000	0.0182	182.00	10,000	0.0179	179.00	-3.00	(1.6)%	15.46%
Distribution Volumetric Rate Rider(s)	10,000	0.0000	0.00	10,000	0.0005	5.00	5.00	0.0%	0.43%
Total: Distribution			**191.15**			**193.74**	**2.59**	**1.4%**	**16.74%**
Retail Transmission Rate – Network Service Rate	10,487	0.0043	45.09	10,487	0.0048	50.34	5.25	11.6%	4.35%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,487	0.0039	40.90	10,487	0.0046	48.24	7.34	17.9%	4.17%
Total: Retail Transmission			**85.99**			**98.58**	**12.59**	**14.6%**	**8.52%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**277.14**			**292.32**	**15.18**	**5.5%**	**25.25%**
Wholesale Market Service Rate	10,487	0.0052	54.53	10,487	0.0052	54.53	0.00	0.0%	4.71%
Rural Rate Protection Charge	10,487	0.0010	10.49	10,487	0.0010	10.49	0.00	0.0%	0.91%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.02%
Sub-Total: Regulatory			**65.27**			**65.27**	**0.00**	**0.0%**	**5.64%**
Debt Retirement Charge (DRC)	10,000	0.00700	**70.00**	10,000	0.00700	**70.00**	**0.00**	**0.0%**	**6.05%**
Total Bill before Taxes			**1,087.32**			**1,102.50**	**15.18**	**1.4%**	**95.24%**
GST	1,087.32	5%	**54.37**	1,102.50	5%	**55.13**	**0.76**	**1.4%**	**4.76%**
			1,141.69			**1,157.63**	**15.94**	**1.4%**	**100.00%**

Rate Class Threshold Test

General Service Less Than 50 kW

kWh	1,000	5,000	10,000	15,000	20,000
Loss Factor Adjusted kWh	1,049	5,244	10,487	15,731	20,974
kW					
Load Factor					

Energy

Applied For Bill	$ 61.43	$ 334.11	$ 674.90	$ 1,015.76	$ 1,356.56
Current Bill	$ 61.43	$ 334.11	$ 674.90	$ 1,015.76	$ 1,356.56
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	51.7%	57.6%	58.3%	58.6%	58.7%

Distribution

Applied For Bill	$ 28.12	$ 101.64	$ 193.53	$ 285.43	$ 377.32
Current Bill	$ 27.35	$ 100.15	$ 191.15	$ 282.15	$ 373.15
$ Impact	$ 0.77	$ 1.49	$ 2.38	$ 3.28	$ 4.17
% Impact	2.8%	1.5%	1.2%	1.2%	1.1%
% of Total Bill	23.7%	17.5%	16.7%	16.5%	16.3%

Retail Transmission

Applied For Bill	$ 9.87	$ 49.29	$ 98.58	$ 147.87	$ 197.16
Current Bill	$ 8.60	$ 43.00	$ 85.99	$ 128.99	$ 171.99
$ Impact	$ 1.27	$ 6.29	$ 12.59	$ 18.88	$ 25.17
% Impact	14.8%	14.6%	14.6%	14.6%	14.6%
% of Total Bill	8.3%	8.5%	8.5%	8.5%	8.5%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 37.99	$ 150.93	$ 292.11	$ 433.30	$ 574.48
Current Bill	$ 35.95	$ 143.15	$ 277.14	$ 411.14	$ 545.14
$ Impact	$ 2.04	$ 7.78	$ 14.97	$ 22.16	$ 29.34
% Impact	5.7%	5.4%	5.4%	5.4%	5.4%
% of Total Bill	32.0%	26.0%	25.2%	25.0%	24.9%

Regulatory

Applied For Bill	$ 6.75	$ 32.76	$ 65.27	$ 97.78	$ 130.28
Current Bill	$ 6.75	$ 32.76	$ 65.27	$ 97.78	$ 130.28
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.7%	5.6%	5.6%	5.6%	5.6%

Debt Retirement Charge

Applied For Bill	$ 7.00	$ 35.00	$ 70.00	$ 105.00	$ 140.00
Current Bill	$ 7.00	$ 35.00	$ 70.00	$ 105.00	$ 140.00
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.9%	6.0%	6.0%	6.1%	6.1%

GST

Applied For Bill	$ 5.66	$ 27.64	$ 55.11	$ 82.59	$ 110.07
Current Bill	$ 5.56	$ 27.25	$ 54.37	$ 81.48	$ 108.60
$ Impact	$ 0.10	$ 0.39	$ 0.74	$ 1.11	$ 1.47
% Impact	1.8%	1.4%	1.4%	1.4%	1.4%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 118.83	$ 580.44	$ 1,157.39	$ 1,734.43	$ 2,311.39
Current Bill	$ 116.69	$ 572.27	$ 1,141.68	$ 1,711.16	$ 2,280.58
$ Impact	$ 2.14	$ 8.17	$ 15.71	$ 23.27	$ 30.81
% Impact	1.8%	1.4%	1.4%	1.4%	1.4%

General Service 50 to 999 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	43.04	43.17
Service Charge Rate Rider(s)	$	0.27	0.96
Distribution Volumetric Rate	$/kW	3.7495	3.7602
Distribution Volumetric Rate Rider(s)	$/kW	-	0.0933
Retail Transmission Rate – Network Service Rate	$/kW	1.5637	1.7404
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	1.3885	1.6551
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**140,000**	**kWh**	**480**	**kW**	***Loss Factor***	***1.0487***
RPP Tier One	**750**	**kWh**	***Load Factor***	***40.0%***		

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0560	42.00	750	0.0560	42.00	0.00	0.0%	0.27%
Energy Second Tier (kWh)	146,068	0.0650	9,494.42	146,068	0.0650	9,494.42	0.00	0.0%	60.48%
Sub-Total: Energy			**9,536.42**			**9,536.42**	**0.00**	**0.0%**	**60.75%**
Service Charge	1	43.04	43.04	1	43.17	43.17	0.13	0.3%	0.28%
Service Charge Rate Rider(s)	1	0.27	0.27	1	0.96	0.96	0.69	255.6%	0.01%
Distribution Volumetric Rate	480	3.7495	1,799.76	480	3.7602	1,804.90	5.14	0.3%	11.50%
Distribution Volumetric Rate Rider(s)	480	0.0000	0.00	480	0.0933	44.78	44.78	0.0%	0.29%
Total: Distribution			**1,843.07**			**1,893.81**	**50.74**	**2.8%**	**12.06%**
Retail Transmission Rate – Network Service Rate	480	1.5637	750.58	480	1.7404	835.39	84.81	11.3%	5.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	480	1.3885	666.48	480	1.6551	794.45	127.97	19.2%	5.06%
Total: Retail Transmission			**1,417.06**			**1,629.84**	**212.78**	**15.0%**	**10.38%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**3,260.13**			**3,523.65**	**263.52**	**8.1%**	**22.45%**
Wholesale Market Service Rate	146,818	0.0052	763.45	146,818	0.0052	763.45	0.00	0.0%	4.86%
Rural Rate Protection Charge	146,818	0.0010	146.82	146,818	0.0010	146.82	0.00	0.0%	0.94%
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			**910.52**			**910.52**	**0.00**	**0.0%**	**5.80%**
Debt Retirement Charge (DRC)	140,000	0.00700	**980.00**	140,000	0.00700	**980.00**	**0.00**	**0.0%**	**6.24%**
Total Bill before Taxes			**14,687.07**			**14,950.59**	**263.52**	**1.8%**	**95.24%**
GST	14,687.07	5%	**734.35**	14,950.59	5%	**747.53**	**13.18**	**1.8%**	**4.76%**
			15,421.42			**15,698.12**	**276.70**	**1.8%**	**100.00%**

Rate Class Threshold Test

General Service 50 to 999 kW

kWh	18,200	98,000	175,000	270,000	365,000
Loss Factor Adjusted kWh	19,087	102,773	183,523	283,149	382,776
kW	50	270	480	740	1,000
Load Factor	0.50	0.50	0.50	0.50	0.50

Energy

Applied For Bill	$ 1,233.90	$ 6,673.49	$ 11,922.24	$ 18,397.93	$ 24,873.69
Current Bill	$ 1,233.90	$ 6,673.49	$ 11,922.24	$ 18,397.93	$ 24,873.69
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	62.3%	63.6%	63.8%	63.8%	63.9%

Distribution

Applied For Bill	$ 236.81	$ 1,084.58	$ 1,893.84	$ 2,895.76	$ 3,897.68
Current Bill	$ 230.79	$ 1,055.68	$ 1,843.07	$ 2,817.94	$ 3,792.81
$ Impact	$ 6.02	$ 28.90	$ 50.77	$ 77.82	$ 104.87
% Impact	2.6%	2.7%	2.8%	2.8%	2.8%
% of Total Bill	12.0%	10.3%	10.1%	10.0%	10.0%

Retail Transmission

Applied For Bill	$ 169.77	$ 916.79	$ 1,629.84	$ 2,512.67	$ 3,395.50
Current Bill	$ 147.60	$ 797.09	$ 1,417.06	$ 2,184.63	$ 2,952.20
$ Impact	$ 22.17	$ 119.70	$ 212.78	$ 328.04	$ 443.30
% Impact	15.0%	15.0%	15.0%	15.0%	15.0%
% of Total Bill	8.6%	8.7%	8.7%	8.7%	8.7%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 406.58	$ 2,001.37	$ 3,523.68	$ 5,408.43	$ 7,293.18
Current Bill	$ 378.39	$ 1,852.77	$ 3,260.13	$ 5,002.57	$ 6,745.01
$ Impact	$ 28.19	$ 148.60	$ 263.55	$ 405.86	$ 548.17
% Impact	7.4%	8.0%	8.1%	8.1%	8.1%
% of Total Bill	20.5%	19.1%	18.8%	18.8%	18.7%

Regulatory

Applied For Bill	$ 118.59	$ 637.44	$ 1,138.09	$ 1,755.77	$ 2,373.47
Current Bill	$ 118.59	$ 637.44	$ 1,138.09	$ 1,755.77	$ 2,373.47
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.0%	6.1%	6.1%	6.1%	6.1%

Debt Retirement Charge

Applied For Bill	$ 127.40	$ 686.00	$ 1,225.00	$ 1,890.00	$ 2,555.00
Current Bill	$ 127.40	$ 686.00	$ 1,225.00	$ 1,890.00	$ 2,555.00
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.4%	6.5%	6.6%	6.6%	6.6%

GST

Applied For Bill	$ 94.32	$ 499.92	$ 890.45	$ 1,372.61	$ 1,854.77
Current Bill	$ 92.91	$ 492.49	$ 877.27	$ 1,352.31	$ 1,827.36
$ Impact	$ 1.41	$ 7.43	$ 13.18	$ 20.30	$ 27.41
% Impact	1.5%	1.5%	1.5%	1.5%	1.5%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 1,980.79	$ 10,498.22	$ 18,699.46	$ 28,824.74	$ 38,950.11
Current Bill	$ 1,951.19	$ 10,342.19	$ 18,422.73	$ 28,398.58	$ 38,374.53
$ Impact	$ 29.60	$ 156.03	$ 276.73	$ 426.16	$ 575.58
% Impact	1.5%	1.5%	1.5%	1.5%	1.5%

General Service 1,000 to 4,999 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	1,532.52	1,264.63
Service Charge Rate Rider(s)	$	0.27	(0.21)
Distribution Volumetric Rate	$/kW	3.4039	2.8089
Distribution Volumetric Rate Rider(s)	$/kW	-	0.0834
Retail Transmission Rate – Network Service Rate	$/kW	2.0042	2.2307
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	1.7637	2.1023
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**1,100,000**	**kWh**	**3,000**	**kW**	***Loss Factor*** **1.0487**
RPP Tier One	**750**	**kWh**	***Load Factor***	***50.3%***	

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0560	42.00	750	0.0560	42.00	0.00	0.0%	0.04%
Energy Second Tier (kWh)	1,152,820	0.0650	74,933.30	1,152,820	0.0650	74,933.30	0.00	0.0%	63.28%
Sub-Total: Energy			**74,975.30**			**74,975.30**	**0.00**	**0.0%**	**63.32%**
Service Charge	1	1,532.52	1,532.52	1	1,264.63	1,264.63	-267.89	(17.5)%	1.07%
Service Charge Rate Rider(s)	1	0.27	0.27	1	-0.21	-0.21	-0.48	(177.8)%	0.00%
Distribution Volumetric Rate	3,000	3.4039	10,211.70	3,000	2.8089	8,426.70	-1,785.00	(17.5)%	7.12%
Distribution Volumetric Rate Rider(s)	3,000	0.0000	0.00	3,000	0.0834	250.20	250.20	0.0%	0.21%
Total: Distribution			**11,744.49**			**9,941.32**	**-1,803.17**	**(15.4)%**	**8.40%**
Retail Transmission Rate – Network Service Rate	3,000	2.0042	6,012.60	3,000	2.2307	6,692.10	679.50	11.3%	5.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,000	1.7637	5,291.10	3,000	2.1023	6,306.90	1,015.80	19.2%	5.33%
Total: Retail Transmission			**11,303.70**			**12,999.00**	**1,695.30**	**15.0%**	**10.98%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**23,048.19**			**22,940.32**	**-107.87**	**(0.5)%**	**19.37%**
Wholesale Market Service Rate	1,153,570	0.0052	5,998.56	1,153,570	0.0052	5,998.56	0.00	0.0%	5.07%
Rural Rate Protection Charge	1,153,570	0.0010	1,153.57	1,153,570	0.0010	1,153.57	0.00	0.0%	0.97%
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			**7,152.38**			**7,152.38**	**0.00**	**0.0%**	**6.04%**
Debt Retirement Charge (DRC)	1,100,000	0.00700	**7,700.00**	1,100,000	0.00700	**7,700.00**	**0.00**	**0.0%**	**6.50%**
Total Bill before Taxes			**112,875.87**			**112,768.00**	**-107.87**	**(0.1)%**	**95.24%**
GST	112,875.87	5%	**5,643.79**	112,768.00	5%	**5,638.40**	**-5.39**	**(0.1)%**	**4.76%**
			118,519.66			**118,406.40**	**-113.26**	**(0.1)%**	**100.00%**

Rate Class Threshold Test

General Service 1,000 to 4,999 kW

kWh	438,000	876,000	1,313,000	1,751,000	2,189,000
Loss Factor Adjusted kWh	459,331	918,662	1,376,944	1,836,274	2,295,605
kW	1,000	2,000	3,000	4,000	5,000
Load Factor	0.60	0.60	0.60	0.60	0.60

Energy

Applied For Bill	$ 29,849.76	$ 59,706.28	$ 89,494.61	$ 119,351.06	$ 149,207.57
Current Bill	$ 29,849.76	$ 59,706.28	$ 89,494.61	$ 119,351.06	$ 149,207.57
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	64.2%	65.2%	65.5%	65.6%	65.7%

Distribution

Applied For Bill	$ 4,156.74	$ 7,049.07	$ 9,941.39	$ 12,833.72	$ 15,726.04
Current Bill	$ 4,936.69	$ 8,340.59	$ 11,744.49	$ 15,148.39	$ 18,552.29
$ Impact	-$ 779.95	-$ 1,291.52	-$ 1,803.10	-$ 2,314.67	-$ 2,826.25
% Impact	-15.8%	-15.5%	-15.4%	-15.3%	-15.2%
% of Total Bill	8.9%	7.7%	7.3%	7.1%	6.9%

Retail Transmission

Applied For Bill	$ 4,333.00	$ 8,666.00	$ 12,999.00	$ 17,332.00	$ 21,665.00
Current Bill	$ 3,767.90	$ 7,535.80	$ 11,303.70	$ 15,071.60	$ 18,839.50
$ Impact	$ 565.10	$ 1,130.20	$ 1,695.30	$ 2,260.40	$ 2,825.50
% Impact	15.0%	15.0%	15.0%	15.0%	15.0%
% of Total Bill	9.3%	9.5%	9.5%	9.5%	9.5%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 8,489.74	$ 15,715.07	$ 22,940.39	$ 30,165.72	$ 37,391.04
Current Bill	$ 8,704.59	$ 15,876.39	$ 23,048.19	$ 30,219.99	$ 37,391.79
$ Impact	-$ 214.85	-$ 161.32	-$ 107.80	-$ 54.27	-$ 0.75
% Impact	-2.5%	-1.0%	-0.5%	-0.2%	0.0%
% of Total Bill	18.3%	17.2%	16.8%	16.6%	16.5%

Regulatory

Applied For Bill	$ 2,848.10	$ 5,695.95	$ 8,537.30	$ 11,385.14	$ 14,233.01
Current Bill	$ 2,848.10	$ 5,695.95	$ 8,537.30	$ 11,385.14	$ 14,233.01
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.1%	6.2%	6.2%	6.3%	6.3%

Debt Retirement Charge

Applied For Bill	$ 3,066.00	$ 6,132.00	$ 9,191.00	$ 12,257.00	$ 15,323.00
Current Bill	$ 3,066.00	$ 6,132.00	$ 9,191.00	$ 12,257.00	$ 15,323.00
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.6%	6.7%	6.7%	6.7%	6.8%

GST

Applied For Bill	$ 2,212.68	$ 4,362.47	$ 6,508.17	$ 8,657.95	$ 10,807.73
Current Bill	$ 2,223.42	$ 4,370.53	$ 6,513.56	$ 8,660.66	$ 10,807.77
$ Impact	-$ 10.74	-$ 8.06	-$ 5.39	-$ 2.71	-$ 0.04
% Impact	-0.5%	-0.2%	-0.1%	0.0%	0.0%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 46,466.28	$ 91,611.77	$ 136,671.47	$ 181,816.87	$ 226,962.35
Current Bill	$ 46,691.87	$ 91,781.15	$ 136,784.66	$ 181,873.85	$ 226,963.14
$ Impact	-$ 225.59	-$ 169.38	-$ 113.19	-$ 56.98	-$ 0.79
% Impact	-0.5%	-0.2%	-0.1%	0.0%	0.0%

Large Use > 5000 kW

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	10,207.56	7,793.10
Service Charge Rate Rider(s)	$	0.27	(6.48)
Distribution Volumetric Rate	$/kW	2.8064	2.1426
Distribution Volumetric Rate Rider(s)	$/kW	-	0.0810
Retail Transmission Rate – Network Service Rate	$/kW	2.1354	2.3767
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	1.9245	2.2940
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**29,000,000**	**kWh**	**50,000**	**kW**	***Loss Factor*** **1.0045**
RPP Tier One	**750**	**kWh**	***Load Factor***	***79.5%***	

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0560	42.00	750	0.0560	42.00	0.00	0.0%	0.00%
Energy Second Tier (kWh)	29,129,751	0.0650	1,893,433.82	29,129,751	0.0650	1,893,433.82	0.00	0.0%	68.58%
Sub-Total: Energy			**1,893,475.82**			**1,893,475.82**	**0.00**	**0.0%**	**68.58%**
Service Charge	1	10,207.56	10,207.56	1	7,793.10	7,793.10	-2,414.46	(23.7)%	0.28%
Service Charge Rate Rider(s)	1	0.27	0.27	1	-6.48	-6.48	-6.75	(2500.0)%	0.00%
Distribution Volumetric Rate	50,000	2.8064	140,320.00	50,000	2.1426	107,130.00	-33,190.00	(23.7)%	3.88%
Distribution Volumetric Rate Rider(s)	50,000	0.0000	0.00	50,000	0.0810	4,050.00	4,050.00	0.0%	0.15%
Total: Distribution			**150,527.83**			**118,966.62**	**-31,561.21**	**(21.0)%**	**4.31%**
Retail Transmission Rate – Network Service Rate	50,000	2.1354	106,770.00	50,000	2.3767	118,835.00	12,065.00	11.3%	4.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	50,000	1.9245	96,225.00	50,000	2.2940	114,700.00	18,475.00	19.2%	4.15%
Total: Retail Transmission			**202,995.00**			**233,535.00**	**30,540.00**	**15.0%**	**8.46%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**353,522.83**			**352,501.62**	**-1,021.21**	**(0.3)%**	**12.77%**
Wholesale Market Service Rate	29,130,501	0.0052	151,478.61	29,130,501	0.0052	151,478.61	0.00	0.0%	5.49%
Rural Rate Protection Charge	29,130,501	0.0010	29,130.50	29,130,501	0.0010	29,130.50	0.00	0.0%	1.06%
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			**180,609.36**			**180,609.36**	**0.00**	**0.0%**	**6.54%**
Debt Retirement Charge (DRC)	29,000,000	0.00700	**203,000.01**	29,000,000	0.00700	**203,000.01**	**0.00**	**0.0%**	**7.35%**
Total Bill before Taxes			**2,630,608.02**			**2,629,586.81**	**-1,021.21**	**(0.0)%**	**95.24%**
GST	2,630,608.02	5%	**131,530.40**	2,629,586.81	5%	**131,479.34**	**-51.06**	**(0.0)%**	**4.76%**
			2,762,138.42			**2,761,066.15**	**-1,072.27**	**(0.0)%**	**100.00%**

Rate Class Threshold Test

Large Use > 5000 kW

kWh	2,600,000	5,000,000	13,000,000	20,000,000	26,000,000
Loss Factor Adjusted kWh	2,611,701	5,022,501	13,058,501	20,090,001	26,117,001
kW	5,000	10,000	25,000	40,000	50,000
Load Factor	0.71	0.69	0.71	0.69	0.71

Energy

Applied For Bill	$ 169,753.81	$ 326,455.80	$ 848,795.78	$ 1,305,843.27	$ 1,697,598.25
Current Bill	$ 169,753.81	$ 326,455.80	$ 848,795.78	$ 1,305,843.27	$ 1,697,598.25
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	65.6%	66.2%	67.3%	67.1%	67.5%

Distribution

Applied For Bill	$ 18,904.61	$ 30,022.60	$ 63,376.57	$ 96,730.54	$ 118,966.52
Current Bill	$ 24,239.83	$ 38,271.83	$ 80,367.83	$ 122,463.83	$ 150,527.83
$ Impact	-$ 5,335.22	-$ 8,249.23	-$ 16,991.26	-$ 25,733.29	-$ 31,561.31
% Impact	-22.0%	-21.6%	-21.1%	-21.0%	-21.0%
% of Total Bill	7.3%	6.1%	5.0%	5.0%	4.7%

Retail Transmission

Applied For Bill	$ 23,353.50	$ 46,707.00	$ 116,767.50	$ 186,828.00	$ 233,535.00
Current Bill	$ 20,299.50	$ 40,599.00	$ 101,497.50	$ 162,396.00	$ 202,995.00
$ Impact	$ 3,054.00	$ 6,108.00	$ 15,270.00	$ 24,432.00	$ 30,540.00
% Impact	15.0%	15.0%	15.0%	15.0%	15.0%
% of Total Bill	9.0%	9.5%	9.3%	9.6%	9.3%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 42,258.11	$ 76,729.60	$ 180,144.07	$ 283,558.54	$ 352,501.52
Current Bill	$ 44,539.33	$ 78,870.83	$ 181,865.33	$ 284,859.83	$ 353,522.83
$ Impact	-$ 2,281.22	-$ 2,141.23	-$ 1,721.26	-$ 1,301.29	-$ 1,021.31
% Impact	-5.1%	-2.7%	-0.9%	-0.5%	-0.3%
% of Total Bill	16.3%	15.6%	14.3%	14.6%	14.0%

Regulatory

Applied For Bill	$ 16,192.80	$ 31,139.76	$ 80,962.96	$ 124,558.26	$ 161,925.66
Current Bill	$ 16,192.80	$ 31,139.76	$ 80,962.96	$ 124,558.26	$ 161,925.66
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	6.3%	6.3%	6.4%	6.4%	6.4%

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	7.0%	7.1%	7.2%	7.2%	7.2%

GST

Applied For Bill	$ 12,320.24	$ 23,466.26	$ 60,045.14	$ 92,698.00	$ 119,701.27
Current Bill	$ 12,434.30	$ 23,573.32	$ 60,131.20	$ 92,763.07	$ 119,752.34
$ Impact	-$ 114.06	-$ 107.06	-$ 86.06	-$ 65.07	-$ 51.07
% Impact	-0.9%	-0.5%	-0.1%	-0.1%	0.0%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 258,724.96	$ 492,791.42	$ 1,260,947.95	$ 1,946,658.07	$ 2,513,726.71
Current Bill	$ 261,120.24	$ 495,039.71	$ 1,262,755.27	$ 1,948,024.43	$ 2,514,799.09
$ Impact	-$ 2,395.28	-$ 2,248.29	-$ 1,807.32	-$ 1,366.36	-$ 1,072.38
% Impact	-0.9%	-0.5%	-0.1%	-0.1%	0.0%

Unmetered Scattered Load

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	4.69	4.02
Service Charge Rate Rider(s)	$	-	(0.00)
Distribution Volumetric Rate	$/kWh	0.0195	0.0168
Distribution Volumetric Rate Rider(s)	$/kWh	-	0.0063
Retail Transmission Rate – Network Service Rate	$/kWh	0.0043	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0039	0.0046
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**10,000**	**kWh**	**0**	**kW**	***Loss Factor*** **1.0487**
RPP Tier One	**750**	**kWh**	***Load Factor***		

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0560	42.00	750	0.0560	42.00	0.00	0.0%	3.50%
Energy Second Tier (kWh)	9,737	0.0650	632.91	9,737	0.0650	632.91	0.00	0.0%	52.70%
Sub-Total: Energy			**674.91**			**674.91**	**0.00**	**0.0%**	**56.20%**
Service Charge	1	4.69	4.69	1	4.02	4.02	-0.67	(14.3)%	0.33%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	10,000	0.0195	195.00	10,000	0.0168	168.00	-27.00	(13.8)%	13.99%
Distribution Volumetric Rate Rider(s)	10,000	0.0000	0.00	10,000	0.0063	63.00	63.00	0.0%	5.25%
Total: Distribution			**199.69**			**235.02**	**35.33**	**17.7%**	**19.57%**
Retail Transmission Rate – Network Service Rate	10,487	0.0043	45.09	10,487	0.0048	50.34	5.25	11.6%	4.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,487	0.0039	40.90	10,487	0.0046	48.24	7.34	17.9%	4.02%
Total: Retail Transmission			**85.99**			**98.58**	**12.59**	**14.6%**	**8.21%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**285.68**			**333.60**	**47.92**	**16.8%**	**27.78%**
Wholesale Market Service Rate	10,487	0.0052	54.53	10,487	0.0052	54.53	0.00	0.0%	4.54%
Rural Rate Protection Charge	10,487	0.0010	10.49	10,487	0.0010	10.49	0.00	0.0%	0.87%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.02%
Sub-Total: Regulatory			**65.27**			**65.27**	**0.00**	**0.0%**	**5.43%**
Debt Retirement Charge (DRC)	10,000	0.00700	**70.00**	10,000	0.00700	**70.00**	**0.00**	**0.0%**	**5.83%**
Total Bill before Taxes			**1,095.86**			**1,143.78**	**47.92**	**4.4%**	**95.24%**
GST	1,095.86	5%	**54.79**	1,143.78	5%	**57.19**	**2.40**	**4.4%**	**4.76%**
			1,150.65			**1,200.97**	**50.32**	**4.4%**	**100.00%**

Rate Class Threshold Test

Unmetered Scattered Load

kWh	500	5,000	10,000	15,000	20,000
Loss Factor Adjusted kWh	525	5,244	10,487	15,731	20,974
kW					
Load Factor					

Energy

Applied For Bill	$ 29.40	$ 334.11	$ 674.90	$ 1,015.76	$ 1,356.56
Current Bill	$ 29.40	$ 334.11	$ 674.90	$ 1,015.76	$ 1,356.56
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	49.2%	55.8%	56.2%	56.4%	56.4%

Distribution

Applied For Bill	$ 15.56	$ 119.41	$ 234.79	$ 350.18	$ 465.56
Current Bill	$ 14.44	$ 102.19	$ 199.69	$ 297.19	$ 394.69
$ Impact	$ 1.12	$ 17.22	$ 35.10	$ 52.99	$ 70.87
% Impact	7.8%	16.9%	17.6%	17.8%	18.0%
% of Total Bill	26.0%	19.9%	19.6%	19.4%	19.4%

Retail Transmission

Applied For Bill	$ 4.94	$ 49.29	$ 98.58	$ 147.87	$ 197.16
Current Bill	$ 4.31	$ 43.00	$ 85.99	$ 128.99	$ 171.99
$ Impact	$ 0.63	$ 6.29	$ 12.59	$ 18.88	$ 25.17
% Impact	14.6%	14.6%	14.6%	14.6%	14.6%
% of Total Bill	8.3%	8.2%	8.2%	8.2%	8.2%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 20.50	$ 168.70	$ 333.37	$ 498.05	$ 662.72
Current Bill	$ 18.75	$ 145.19	$ 285.68	$ 426.18	$ 566.68
$ Impact	$ 1.75	$ 23.51	$ 47.69	$ 71.87	$ 96.04
% Impact	9.3%	16.2%	16.7%	16.9%	16.9%
% of Total Bill	34.3%	28.2%	27.8%	27.6%	27.6%

Regulatory

Applied For Bill	$ 3.51	$ 32.76	$ 65.27	$ 97.78	$ 130.28
Current Bill	$ 3.51	$ 32.76	$ 65.27	$ 97.78	$ 130.28
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.9%	5.5%	5.4%	5.4%	5.4%

Debt Retirement Charge

Applied For Bill	$ 3.50	$ 35.00	$ 70.00	$ 105.00	$ 140.00
Current Bill	$ 3.50	$ 35.00	$ 70.00	$ 105.00	$ 140.00
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	5.9%	5.8%	5.8%	5.8%	5.8%

GST

Applied For Bill	$ 2.85	$ 28.53	$ 57.18	$ 85.83	$ 114.48
Current Bill	$ 2.76	$ 27.35	$ 54.79	$ 82.24	$ 109.68
$ Impact	$ 0.09	$ 1.18	$ 2.39	$ 3.59	$ 4.80
% Impact	3.3%	4.3%	4.4%	4.4%	4.4%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 59.76	$ 599.10	$ 1,200.72	$ 1,802.42	$ 2,404.04
Current Bill	$ 57.92	$ 574.41	$ 1,150.64	$ 1,726.96	$ 2,303.20
$ Impact	$ 1.84	$ 24.69	$ 50.08	$ 75.46	$ 100.84
% Impact	3.2%	4.3%	4.4%	4.4%	4.4%

Sentinel Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	3.23	3.44
Service Charge Rate Rider(s)	$	-	(0.00)
Distribution Volumetric Rate	$/kW	7.3144	7.8052
Distribution Volumetric Rate Rider(s)	$/kW	-	0.7249
Retail Transmission Rate – Network Service Rate	$/kW	1.0785	1.2004
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	1.6300	1.9430
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**180**	**kWh**	**0.50**	**kW**	***Loss Factor 1.0487***
RPP Tier One	**750**	**kWh**	***Load Factor 49.3%***		

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	189	0.0560	10.58	189	0.0560	10.58	0.00	0.0%	35.52%
Energy Second Tier (kWh)	0	0.0650	0.00	0	0.0650	0.00	0.00	0.0%	0.00%
Sub-Total: Energy			**10.58**			**10.58**	**0.00**	**0.0%**	**35.52%**
Service Charge	1	3.23	3.23	1	3.44	3.44	0.21	6.5%	11.55%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	1	7.3144	7.31	1	7.8052	7.81	0.50	6.8%	26.22%
Distribution Volumetric Rate Rider(s)	1	0.0000	0.00	1	0.7249	0.72	0.72	0.0%	2.42%
Total: Distribution			**10.54**			**11.97**	**1.43**	**13.6%**	**40.18%**
Retail Transmission Rate – Network Service Rate	1	1.0785	1.08	1	1.2004	1.20	0.12	11.1%	4.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	1.6300	1.63	1	1.9430	1.94	0.31	19.0%	6.51%
Total: Retail Transmission			**2.71**			**3.14**	**0.43**	**15.9%**	**10.54%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**13.25**			**15.11**	**1.86**	**14.0%**	**50.72%**
Wholesale Market Service Rate	189	0.0052	0.98	189	0.0052	0.98	0.00	0.0%	3.29%
Rural Rate Protection Charge	189	0.0010	0.19	189	0.0010	0.19	0.00	0.0%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.84%
Sub-Total: Regulatory			**1.42**			**1.42**	**0.00**	**0.0%**	**4.77%**
Debt Retirement Charge (DRC)	180	0.00700	**1.26**	180	0.00700	**1.26**	**0.00**	**0.0%**	**4.23%**
Total Bill before Taxes			**26.51**			**28.37**	**1.86**	**7.0%**	**95.23%**
GST	26.51	5%	**1.33**	28.37	5%	**1.42**	**0.09**	**6.8%**	**4.77%**
			27.84			**29.79**	**1.95**	**7.0%**	**100.00%**

Rate Class Threshold Test

Sentinel Lighting

kWh	70	130	180	270	360
Loss Factor Adjusted kWh	74	137	189	284	378
kW	0.20	0.35	0.50	0.75	1.00
Load Factor	0.48	0.51	0.49	0.49	0.49

Energy

Applied For Bill	$ 4.14	$ 7.67	$ 10.58	$ 15.90	$ 21.17
Current Bill	$ 4.14	$ 7.67	$ 10.58	$ 15.90	$ 21.17
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	19.3%	29.5%	35.5%	43.4%	48.7%

Distribution

Applied For Bill	$ 11.97	$ 11.97	$ 11.97	$ 11.97	$ 11.97
Current Bill	$ 10.54	$ 10.54	$ 10.54	$ 10.54	$ 10.54
$ Impact	$ 1.43	$ 1.43	$ 1.43	$ 1.43	$ 1.43
% Impact	13.6%	13.6%	13.6%	13.6%	13.6%
% of Total Bill	55.8%	46.0%	40.2%	32.7%	27.5%

Retail Transmission

Applied For Bill	$ 3.14	$ 3.14	$ 3.14	$ 3.14	$ 3.14
Current Bill	$ 2.71	$ 2.71	$ 2.71	$ 2.71	$ 2.71
$ Impact	$ 0.43	$ 0.43	$ 0.43	$ 0.43	$ 0.43
% Impact	15.9%	15.9%	15.9%	15.9%	15.9%
% of Total Bill	14.6%	12.1%	10.5%	8.6%	7.2%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 15.11	$ 15.11	$ 15.11	$ 15.11	$ 15.11
Current Bill	$ 13.25	$ 13.25	$ 13.25	$ 13.25	$ 13.25
$ Impact	$ 1.86	$ 1.86	$ 1.86	$ 1.86	$ 1.86
% Impact	14.0%	14.0%	14.0%	14.0%	14.0%
% of Total Bill	70.4%	58.0%	50.7%	41.2%	34.8%

Regulatory

Applied For Bill	$ 0.70	$ 1.10	$ 1.42	$ 2.01	$ 2.60
Current Bill	$ 0.70	$ 1.10	$ 1.42	$ 2.01	$ 2.60
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	3.3%	4.2%	4.8%	5.5%	6.0%

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	2.3%	3.5%	4.2%	5.2%	5.8%

GST

Applied For Bill	$ 1.02	$ 1.24	$ 1.42	$ 1.75	$ 2.07
Current Bill	$ 0.93	$ 1.15	$ 1.33	$ 1.65	$ 1.98
$ Impact	$ 0.09	$ 0.09	$ 0.09	$ 0.10	$ 0.09
% Impact	9.7%	7.8%	6.8%	6.1%	4.5%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 21.46	$ 26.03	$ 29.79	$ 36.66	$ 43.47
Current Bill	$ 19.51	$ 24.08	$ 27.84	$ 34.70	$ 41.52
$ Impact	$ 1.95	$ 1.95	$ 1.95	$ 1.96	$ 1.95
% Impact	10.0%	8.1%	7.0%	5.6%	4.7%

Street Lighting

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	$	0.74	0.90
Service Charge Rate Rider(s)	$	-	(0.00)
Distribution Volumetric Rate	$/kW	11.6448	14.1404
Distribution Volumetric Rate Rider(s)	$/kW	-	0.4378
Retail Transmission Rate – Network Service Rate	$/kW	1.0602	1.1800
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	1.6024	1.9101
Wholesale Market Service Rate	$/kWh	0.0052	0.0052
Rural Rate Protection Charge	$/kWh	0.0010	0.0010
Standard Supply Service – Administration Charge (if applicable)	$	0.25	0.25

Consumption	**180**	**kWh**	**0.50**	**kW**	***Loss Factor 1.0487***
RPP Tier One	**750**	**kWh**	***Load Factor 49.3%***		

	Volume	RATE $	CHARGE $	Volume	RATE $	CHARGE $	$	%	% of Total Bill
Energy First Tier (kWh)	189	0.0560	10.58	189	0.0560	10.58	0.00	0.0%	31.66%
Energy Second Tier (kWh)	0	0.0650	0.00	0	0.0650	0.00	0.00	0.0%	0.00%
Sub-Total: Energy			**10.58**			**10.58**	**0.00**	**0.0%**	**31.66%**
Service Charge	1	0.74	0.74	1	0.90	0.90	0.16	21.6%	2.69%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	1	11.6448	11.64	1	14.1404	14.14	2.50	21.5%	42.31%
Distribution Volumetric Rate Rider(s)	1	0.0000	0.00	1	0.4378	0.44	0.44	0.0%	1.32%
Total: Distribution			**12.38**			**15.48**	**3.10**	**25.0%**	**46.32%**
Retail Transmission Rate – Network Service Rate	1	1.0602	1.06	1	1.1800	1.18	0.12	11.3%	3.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	1.6024	1.60	1	1.9101	1.91	0.31	19.4%	5.72%
Total: Retail Transmission			**2.66**			**3.09**	**0.43**	**16.2%**	**9.25%**
Sub-Total: Delivery (Distribution and Retail Transmission)			**15.04**			**18.57**	**3.53**	**23.5%**	**55.57%**
Wholesale Market Service Rate	189	0.0052	0.98	189	0.0052	0.98	0.00	0.0%	2.93%
Rural Rate Protection Charge	189	0.0010	0.19	189	0.0010	0.19	0.00	0.0%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.75%
Sub-Total: Regulatory			**1.42**			**1.42**	**0.00**	**0.0%**	**4.25%**
Debt Retirement Charge (DRC)	180	0.00700	**1.26**	180	0.00700	**1.26**	**0.00**	**0.0%**	**3.77%**
Total Bill before Taxes			**28.30**			**31.83**	**3.53**	**12.5%**	**95.24%**
GST	28.30	5%	**1.42**	31.83	5%	**1.59**	**0.17**	**12.0%**	**4.76%**
			29.72			**33.42**	**3.70**	**12.4%**	**100.00%**

Rate Class Threshold Test

Street Lighting

kWh	70	130	180	270	360
Loss Factor Adjusted kWh	74	137	189	284	378
kW	0.20	0.35	0.50	0.75	1.00
Load Factor	0.48	0.51	0.49	0.49	0.49

Energy

Applied For Bill	$ 4.14	$ 7.67	$ 10.58	$ 15.90	$ 21.17
Current Bill	$ 4.14	$ 7.67	$ 10.58	$ 15.90	$ 21.17
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	16.5%	25.9%	31.7%	39.5%	44.9%

Distribution

Applied For Bill	$ 15.48	$ 15.48	$ 15.48	$ 15.48	$ 15.48
Current Bill	$ 12.38	$ 12.38	$ 12.38	$ 12.38	$ 12.38
$ Impact	$ 3.10	$ 3.10	$ 3.10	$ 3.10	$ 3.10
% Impact	25.0%	25.0%	25.0%	25.0%	25.0%
% of Total Bill	61.7%	52.2%	46.3%	38.4%	32.9%

Retail Transmission

Applied For Bill	$ 3.09	$ 3.09	$ 3.09	$ 3.09	$ 3.09
Current Bill	$ 2.66	$ 2.66	$ 2.66	$ 2.66	$ 2.66
$ Impact	$ 0.43	$ 0.43	$ 0.43	$ 0.43	$ 0.43
% Impact	16.2%	16.2%	16.2%	16.2%	16.2%
% of Total Bill	12.3%	10.4%	9.2%	7.7%	6.6%

Delivery (Distribution and Retail Transmission)

Applied For Bill	$ 18.57	$ 18.57	$ 18.57	$ 18.57	$ 18.57
Current Bill	$ 15.04	$ 15.04	$ 15.04	$ 15.04	$ 15.04
$ Impact	$ 3.53	$ 3.53	$ 3.53	$ 3.53	$ 3.53
% Impact	23.5%	23.5%	23.5%	23.5%	23.5%
% of Total Bill	74.0%	62.6%	55.6%	46.1%	39.4%

Regulatory

Applied For Bill	$ 0.70	$ 1.10	$ 1.42	$ 2.01	$ 2.60
Current Bill	$ 0.70	$ 1.10	$ 1.42	$ 2.01	$ 2.60
$ Impact	$ -	$ -	$ -	$ -	$ -
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
% of Total Bill	2.8%	3.7%	4.2%	5.0%	5.5%

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	2.0%	3.1%	3.8%	4.7%	5.4%

GST

Applied For Bill	$ 1.20	$ 1.41	$ 1.59	$ 1.92	$ 2.24
Current Bill	$ 1.02	$ 1.24	$ 1.42	$ 1.74	$ 2.07
$ Impact	$ 0.18	$ 0.17	$ 0.17	$ 0.18	$ 0.17
% Impact	17.6%	13.7%	12.0%	10.3%	8.2%
% of Total Bill	4.8%	4.8%	4.8%	4.8%	4.8%

Total Bill

Applied For Bill	$ 25.10	$ 29.66	$ 33.42	$ 40.29	$ 47.10
Current Bill	$ 21.39	$ 25.96	$ 29.72	$ 36.58	$ 43.40
$ Impact	$ 3.71	$ 3.70	$ 3.70	$ 3.71	$ 3.70
% Impact	17.3%	14.3%	12.4%	10.1%	8.5%

2009 OEB 3GIRM Supplementary Filing Module

Oshawa PUC Network Inc. Application Number EB 2008-0205 LDC Licence Number ED-20

* Model is copied from 209 OEB 3GIRM Supplementary Filing Models (only modiification is that Inc
and the 2009 Budgeted Capex but rather Budgeted amounts on four specific Projects. MS Statio
in 2008 Cost of Service Application.

Year	2005	2006
Status	Actual	Actual
Price Cap Index		
Growth		
Dead Band		
Average Net Fixed Assets		
Gross Fixed Assets Opening	$ 42,296,955	$ 51,935,955
Add: CWIP Opening		
Capital Additions	$ 10,239,000	$ 9,519,000
Capital Disposals	-$ 600,000	-$ 535,000
Capital Retirements		
Deduct: CWIP Closing		
Gross Fixed Assets - Closing	$ 51,935,955	$ 60,919,955
Average Gross Fixed Assets	$ 47,116,455	$ 56,427,955
Accumulated Depreciation - Opening	$ 12,138,000	$ 15,599,000
Depreciation Expense	$ 4,061,000	$ 4,342,000
Disposals	-$ 600,000	-$ 519,000
Retirements	$ -	$ -
Accumulated Depreciation - Closing	$ 15,599,000	$ 19,422,000
Average Accumulated Depreciation	$ 13,868,500	$ 17,510,500
Average Net Fixed Assets	$ 33,247,955	$ 38,917,455
Working Capital Allowance		
Working Capital Allowance Base		
Working Capital Allowance Rate		
Working Capital Allowance		
Rate Base		
Depreciation		
Threshold Test		

Threshold CAPEX

Proposed CAPEX
- CWIP Opening
- Capital Additions
- CWIP Closing

Proposed CAPEX

Incremental Capital CAPEX

002-0560

cremental Capital amount being sought is not total difference in balance between CAPEX Threshol
on with Budget of $2.1 Million is excluded in 2009 Budget as Project included in approved Capital E

2007 Actual	2008 Re-Basing		2008 Forecast	2009 Proposed	
	0.98%	**A**			
	1.05%	**B**			
	20%	**C**			
$ 60,919,955	$ 71,763,140		$ 72,098,955	$ 81,389,197	
	$ -				**D**
$ 11,388,000	$ 10,993,345		$ 9,290,242	$ 11,803,824	**E**
-$ 209,000	$ -				
	$ -				
	$ -				**F**
$ 72,098,955	$ 82,756,485		$ 81,389,197	$ 93,193,021	
$ 66,509,455	$ 77,259,813		$ 76,744,076	$ 87,291,109	
$ 19,422,000	$ 25,551,378		$ 23,996,000	$ 28,958,181	
$ 4,783,000	$ 4,395,489	**G**	$ 4,962,181	$ 5,152,992	
-$ 209,000	$ -				
$ -	$ -				
$ 23,996,000	$ 29,946,867		$ 28,958,181	$ 34,111,174	
$ 21,709,000	$ 27,749,123		$ 26,477,091	$ 31,534,677	
$ 44,800,455	$ 49,510,690	**H**	$ 50,266,985	$ 55,756,432	

	$ 91,646,775		
	15%		
	$ 13,747,016	**I**	
	$ 63,257,706	**J = H + I**	
G	**$ 4,395,489**	**K**	
	149.41%	**L = 1 + (J / K) * (B + A * (1 + B)) + C**	

D	$	-	**N**
E	$	11,803,824	**O**
F	$	-	**P**

*

ld
xpenditures

$	6,567,275	**M = K * L**
$	11,803,824	**Q = N + O + P**
$	**5,236,549**	**R = Q - M**

2009 OEB 3GIRM Supplementary Filing Module

Oshawa PUC Network Inc. Application Number EB 2008-0205 LDC Licence Number EI

Balance Sheet

Year
Status

Fixed Assets & Accumulated Depreciation

Gross Fixed Assets -Opening
Add: CWIP Opening
Capital Additions
Capital Disposals
Capital Retirements
Deduct: CWIP Closing
Gross Fixed Assets - Closing

Accumulated Depreciation - Opening
Depreciation Expense
Disposals
Retirements
Accumulated Depreciation - Closing

Depreciation Expense as a percentage of Gross Fixed Assets

Depreciation Expense on Gross Fixed Assets attributable to prior years
Depreciation Expense on Gross Fixed Assets attributable to reporting years
Depreciation Expense on Gross Fixed Assets

Gross Fixed Assets attributable to prior years
Gross Fixed Assets attributable to reporting years
Gross Fixed Assets - Closing

Depreciation Expense as a percentage of Gross Fixed Assets - Prior Years
Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years

Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years
Times 2 (Two) to adjust for half-year rule

Income Tax Return

Year

Status

Undepreciated Capital Cost and Captial Cost Allowance

(as derived from CCRA T2 SCH 8 (99))

Undepreciated capital cost at the beginning of the year	**2**
Cost of acquisitions during the year (new property must be available for use)	**3**
Net adjustments	**4**
Proceeds of dispositions during the year (amount not to exceed the capital cost)	**5**
Undepreciated capital cost	**6**
50% rule (1/2 of the amount, if any, by which the net cost of acquisitions exceeds row 5)	**7**
Reduced undepreciated capital cost (row 6 minus row 7)	**8**
Recapture of capital cost allowance	**10**
Terminal loss	**11**
Capital cost allowance	**12**
Undepreciated capital cost at the end of the year (row 6 minus row 12)	**13**

CCA on Opening UCC
CCA on Additions To UCC
CCA on Other Adjustments
CCA Claimed

CCA as a percent of UCC

Opening UCC	**2**
Cost of acquisitions during the year (new property must be available for use)	**3**
Other Adjustments	
Closing UCC	**13**

CCA as a percent of Opening UCC and Disposals From UCC

CCA as a percent of Additions To UCC

D-2002-0560

2005 Actual	2006 Actual	2007 Actual	2008 Re-Basing	2008 Forecast
$ 42,296,955	$ 51,935,955	$ 60,919,955	$ 71,763,140	$ 72,098,955
$ -	$ -	$ -	$ -	$ -
$ 10,239,000	$ 9,519,000	$ 11,388,000	$ 10,993,345	$ 9,290,242
-$ 600,000	-$ 535,000	-$ 209,000	$ -	$ -
$ -	$ -	$ -	$ -	$ -
$ -	$ -	$ -	$ -	$ -
$ 51,935,955	$ 60,919,955	$ 72,098,955	$ 82,756,485	$ 81,389,197
$ 12,138,000	$ 15,599,000	$ 19,422,000	$ 25,551,378	$ 23,996,000
$ 4,061,000	$ 4,342,000	$ 4,783,000	$ 4,395,489	$ 5,216,363
-$ 600,000	-$ 519,000	-$ 209,000	$ -	$ -
$ -	$ -	$ -	$ -	$ -
$ 15,599,000	$ 19,422,000	$ 23,996,000	$ 29,946,867	$ 29,212,363
$ 3,859,190	$ 4,168,033	$ 4,525,090	$ 4,101,127	$ 4,962,181
$ 201,810	$ 173,967	$ 257,910	$ 294,363	$ 254,181
$ 4,061,000	$ 4,342,000	$ 4,783,000	$ 4,395,489	$ 5,216,363
$ 41,696,955	$ 51,400,955	$ 60,710,955	$ 71,763,140	$ 72,098,955
$ 10,239,000	$ 9,519,000	$ 11,388,000	$ 10,993,345	$ 9,290,242
$ 51,935,955	$ 60,919,955	$ 72,098,955	$ 82,756,485	$ 81,389,197
9.3%	8.1%	7.5%	5.7%	6.9%
2.0%	1.8%	2.3%	2.7%	2.7%

2005	2006	2007	2008	2008

Actual	Actual	Actual	Re-Basing	Forecast
$ 60,224,205	$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121
$ 4,449,223	$ 4,045,270	$ 8,451,569	$ 10,993,345	$ 9,290,242
$ -	-$ 67,603	-$ 1,479,010	$ -	$ -
-$ 35,437	-$ 64,000	-$ 36,000	$ -	$ -
$ 64,637,991	$ 65,500,839	$ 69,314,054	$ 76,917,705	$ 82,354,363
$ 2,206,894	$ 2,022,636	$ 4,207,785	$ 5,496,673	$ 4,645,121
$ 59,777,097	$ 63,478,203	$ 65,106,269	$ 71,421,033	$ 77,709,242
$ -	$ -	$ -	$ -	$ -
$ -	$ -	$ -	$ -	$ -
$ 3,050,819	$ 3,123,344	$ 3,389,694	$ 3,853,584	$ 3,985,658
$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121	$ 78,368,705
$ 2,780,032	$ 2,981,108	$ 2,935,388	$ 3,403,294	$ 3,493,682
$ 278,760	$ 150,484	$ 459,706	$ 450,290	$ 491,976
-$ 7,973	-$ 8,248	-$ 5,400	$ -	$ -
$ 3,050,819	$ 3,123,344	$ 3,389,694	$ 3,853,584	$ 3,985,658
(0.00)	(0.01)	(0.00)	-	-
$ 60,224,205	$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121
$ 4,449,223	$ 4,045,270	$ 8,451,569	$ 10,993,345	$ 9,290,242
-$ 3,086,256	-$ 3,254,947	-$ 4,904,704	-$ 3,853,584	-$ 3,985,658
$ 61,587,172	$ 62,377,495	$ 65,924,360	$ 73,064,121	$ 78,368,705
4.6%	4.8%	4.7%	5.2%	4.8%
6.3%	3.7%	5.4%	4.1%	5.3%

2009 Proposed	
$ 81,389,197	
$ -	
$ 11,803,824	
$ -	
$ 93,193,021	
$ 29,212,363	
$ 5,672,985	
$ -	
$ -	
$ 34,885,347	
$ 5,407,174	
$ 265,811	**A**
$ 5,672,985	
$ 81,389,197	
$ 11,803,824	**B**
$ 93,193,021	
6.6%	
2.3%	**C = A / B**
4.5%	**D = C * 2**
2009	

Proposed		
$	78,368,705	
$	11,803,824	
$	-	
$	-	
$	90,172,529	
$	5,901,912	
$	84,270,617	
$	-	
$	-	
$	4,658,270	
$	85,514,259	
$	4,056,949	
$	**601,321**	**E**
$	**-**	
$	4,658,270	
	-	
$	78,368,705	
$	**11,803,824**	**F**
-$	4,658,270	
$	85,514,259	
	5.2%	
	5.1%	**G = E / F**

2009 OEB 3GIRM Supplementary Filing Module

Oshawa PUC Network Inc. Application Number EB 2008-

* Model is copied from 209 OEB 3GIRM Supplementary Filin
in balance between CAPEX Threshold and the 2009 Budge

Current Revenue Requirement

Current Revenue Requirement - General

Current Revenue Requirement - Unique

Current Revenue Requirement - Total

Return on Rate Base

Incremental Capital CAPEX

Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years

Incremental Capital CAPEX to be included in Rate Base

Deemed ShortTerm Debt %

Deemed Long Term Debt %

Short Term Interest

Long Term Interest

Return on Rate Base - Interest

Deemed Equity %

Return on Rate Base -Equity

Return on Rate Base - Total

Amortization Expense

Incremental Capital CAPEX

Depreciation Expense as a percentage of Gross Fixed Assets - Reporting Years

Amortization Expense - Incremental

Grossed up PIL's

Regulatory Taxable Income

Add Back Amortization Expense

Incremental Capital CAPEX

CCA as a percent of Average UCC

Deduct CCA

Incremental Taxable Income

Current Tax Rate (F1.1 Z-Factor Tax Changes)

PIL's Before Gross Up

Incremental Grossed Up PIL's

Ontario Capital Tax

Incremental Capital CAPEX

Less : Available Capital Exemption (if any)

Incremental Capital CAPEX subject to OCT

Ontario Capital Tax Rate (F1.1 Z-Factor Tax Changes)

Incremental Ontario Capital Tax

Incremental Revenue Requirement

Return on Rate Base - Total

Amortization Expense - Total

Incremental Grossed Up PIL's
Incremental Ontario Capital Tax
Incremental Revenue Requirement

-0205 LDC Licence Number ED-2002-0560

ıg Models (only modiification is that Incremental Capital amount being sought is not total difference
ted Capex but rather Budgeted amounts on four specific Projects.

		$	18,879,310	**A**
		$	-	**B**
		$	18,879,310	**C = A + B**
		* $	3,533,300	**D**
4.50%	**E**	$	159,133	**F = D * E**
		$	3,374,166	**G = D + F**
4.0%	**H**	$	134,967	**J = G * H**
52.7%	**I**	$	1,778,186	**K = G * I**
4.47%	**L**	$	6,033	**N = J * L**
5.82%	**M**	$	103,501	**O =K * M**
		$	109,534	**P = N + O**
43.3%	**Q**	$	1,461,014	**R = G * Q**
8.57%	**S**	$	125,209	**T = R * S**
		$	234,743	**U = P + T**
$3,533,299.71	**V = D**			
4.50%	**W**			

		$ 159,133	X = V * W
		$ 125,209	Y = T
		$ 159,133	Z = X
$3,533,299.71	AA = D		
5.09%	AB		
		$ 179,997	AC = AA * AB
		$ 104,346	AD = Y + Z - AC
33.0%	AE		
		$ 34,434	AF = AD * AE
		$ 51,394	AG = AF / (1 - AE)
		$ 3,533,300	AH = D
fully utilized in regular tax filing		$ -	AJ
		$ 3,533,300	AK
0.225%	AL		
		$ 7,950	AM = AK * AL
		$ 234,743	AN
		$ 159,133	AO

$	51,394	**AP**
$	7,950	**AQ**
$	453,220	**R = AN + AO + AP + AQ**

2009 OEB 3GIRM Supplementary Filing Module

Oshawa PUC Network Inc. Application Number EB 2008-0205 LDC Licence Number ED-2002-0560

Rate Class	Fixed Metric	Vol Metric	Total Revenue $ by Rate Class A	Total Revenue % by Rate Class B = A / $H
Residential	Customer	kWh	$10,688,834	56.66%
General Service Less Than 50 kW	Customer	kWh	$2,894,687	15.34%
General Service 50 to 999 kW	Customer	kW	$3,607,738	19.12%
General Service 1,000 to 4,999 kW	Customer	kW	$614,069	3.25%
Large Use > 5000 kW	Customer	kW	$484,637	2.57%
Unmetered Scattered Load	Customer	kWh	$78,800	0.42%
Sentinel Lighting	Connection	kW	$4,238	0.02%
Street Lighting	Connection	kW	$492,434	2.61%
Rate Class 9	NA	NA	$0	0.00%
Rate Class 10	NA	NA	$0	0.00%
Rate Class 11	NA	NA	$0	0.00%
Rate Class 12	NA	NA	$0	0.00%
Rate Class 13	NA	NA	$0	0.00%
Rate Class 14	NA	NA	$0	0.00%
Rate Class 15	NA	NA	$0	0.00%
Rate Class 16	NA	NA	$0	0.00%
Rate Class 17	NA	NA	$0	0.00%
Rate Class 18	NA	NA	$0	0.00%
Rate Class 19	NA	NA	$0	0.00%
Rate Class 20	NA	NA	$0	0.00%
Rate Class 21	NA	NA	$0	0.00%
Rate Class 22	NA	NA	$0	0.00%
Rate Class 23	NA	NA	$0	0.00%
Rate Class 24	NA	NA	$0	0.00%
Rate Class 25	NA	NA	$0	0.00%
			$18,865,437 H	100.00%

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Incremental Capital $ by Rate Class C = $I * B	Billed kWh D	Billed kW E	on Volumetric Rate kWh Rate F = C / D	on Volumetric Rate kW Rate G = C / E
$256,787	487,192,399	0	$0.000527	
$69,541	140,097,188	0	$0.000496	
$86,672	0	893,941		$0.096955
$14,752	0	171,299		$0.086120
$11,643	0	140,182		$0.083055
$1,893	3,841,944	0	$0.000493	
$102	0	139		$0.732403
$11,830	0	26,213		$0.451309
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$0	0	0		
$453,220				
I				