

December 24, 2009

Jay Shepherd Professional Corporation 120 Eglinton Avenue East, Suite 500 Toronto, Ontario, M4P 1E2

Re: Orangeville Hydro Limited EB-2009-0272

Dear Mr. Shepherd:

Please find attached Orangeville Hydro Limited's responses to the School Energy Coalition interrogatories (Second Round). Orangeville Hydro will file 2 paper copies of these responses with the Board Secretary at the Ontario Energy Board.

We hope that you find everything in order but if you do require further assistance or have any questions, please contact Jan Howard at <a href="mailto:jhoward@orangevillehydro.on.ca">jhoward@orangevillehydro.on.ca</a> or by phoning 519-942-8000.

Yours truly,

ORANGEVILLE HYDRO LIMITED

Jan Howard
Manger of Finance & Rates

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

AND IN THE MATTER OF an Application by Orangeville Hydro Limited for an Order or Order setting just and reasonable rates commencing May 1, 2010.

# EB-2009-0272 ORANGEVILLE HYDRO LIMITED RESPONSE TO THE SCHOOL ENERGY COALITION SUPPLEMENTARY INTERROGATORIES

- 13. [SEC IR#4a, App. A] With respect to the capital and operating budgets approved by the OHL Board of Directors:
  - a. Page 1. Please reconcile the figure of \$1,666,497 as 2009 capital expenditures, and the figure of \$1,371,672 as 2010 capital expenditures, in both cases as approved by the Board of Directors, with the figures of \$1,703,826 for 2009 and \$1,934,937 for 2010 in the Application at Ex. 2/3/1, p. 1.

#### Response

Please see table below that reconciles the differences between the 2009 capital expenditures of \$1,666,497 approved by the Board of Directors with the updated 2009 budget of \$1,703,826.

Reconcilation to 20	Reconcilation to 2009 Budget Presentation To Board		
1,666,497	Capital Board Approved Budget		
120,000	Hydro One Rebuild in Grand Valley		
(68,000)	Browns Farm Project moved to 2010		
3,000	Additional Computer Hardware Requirement		
(11,000)	Fixed Asset Module for Finance -Deferred to 2010		
4,500	Kitchen Cabintets		
3,500	Fire Alarm ControlPanel		
3,000	Touch Screen Thermostats		
(17,671)	Distribution Planning Changes		
37,329	Total Increase Amount		
1,703,826	Rate Application Capital Budget		

Please see the table that reconciles the difference between the 2010 capital expenditures of \$ 1,371,672 approved by the Board of Directors and the updated 2010 budget of \$1,934,937.

Reconcilation to 2010 Budget Presentation To Board		
1,371,672	Capital Board Approved Budget	
136,202	Large Renewable Projects	
52,204	MicroFIT Enablement	
50,601	Remote Sensors	
55,697	Fault Indicators Replacement	
62,253	Optimization Study	
25,000	Phone System	
22,000	Load management Controls	
15,000	SCADA System	
20,000	Server for SCADA System	
11,280	Fixed Asset Module for Finance	
60,000	CIS Upgrade MicroFIT/FIT Settlement	
53,028	Distribution Planning Changes	
563,265	Total Increase Amount	
1,934,937	Rate Application Capital Budget	

b. Page 9. Please reconcile the figure of \$2,281,302 as net 2009 controllable expenses (after deducting capital taxes), and the figure of \$2,483,577 as net 2010 controllable

expenses, in both cases as approved by the Board of Directors, with the figures of \$2,369,195 for 2009 and \$2,769,015 for 2010 in the Application at Ex. 4/2/2, p. 4. Response

Please see table below reconciling the differences between the 2009 controllable expenses approved by the Board of Directors of \$2,281,302 and the updated 2009 controllable expenses of \$2,369,195.

Reconcilation to 2009 Budget Presentation To Board			
2,281,302	OM&A in Board Approved Budget		
	Due to merge, the additional Board Member Missed in		
27,000	Budget		
	Budget for 5065 was incorrect due to the promotion to VP		
17,000	- there were missing entries		
	Engineer included in orginal budget but left the utility-		
26,000	budget completely re-worked		
	Metering expense budget was not correctly done as some		
	hours and expenses were allocated to Smart Meters that		
17,000	were non-incremental and had to be adjusted		
893	Other Minor Adjustments		
87,893	Total Amount		
2,369,195	OM&A in Rate Application		

Please see table below reconciling the differences between the 2010 controllable expenses approved by the Board of Directors of \$2,483,884 and the updated 2010 controllable expenses of \$2,769,015.

Reconcilation to 20	Reconcilation to 2010 Budget Presentation To Board		
2,483,577	OM&A in Board Approved Budget		
70,000	CIS Additional Opertional Costs		
76,000	Junior Eng		
10,000	CIS FIT support		
16,000	Generation/Safety School Program		
82,000	Reg Assist		
25,000	IFRS		
6,438	Other Minor Adjustments		
285,438	Total Amount		
2,769,015	OM&A in Rate Application		

c. Page 7. Please reconcile the figure of \$2,506,184 for 2010 controllable expenses with the figure of \$2,483,577 on page 9 and the figure of \$2,769,015 in 4/2/2, p. 4.

# Response

The forecast sheet that was included with the material attached to the 1<sup>st</sup> round of interrogatories was incorrect and the correct figure is shown in the table that follows. Please see the below 3 year Forecast sheet that reconciles with the controllable expenses figure of \$2,483,577 in 2010.

# 3 YEAR BUSINESS PLAN

	2000	2007	2000	2000	2040
	2006	2007	2008	<b>2009</b>	2010
Devenue	ACTUAL	ACTUAL	FORECAST	FORECAST	FORECAST
Revenue	4.044.657	4 442 460	4 405 450	4 200 660	4 540 000
Service Revenue	4,041,657	4,113,469	4,135,458	4,386,668	4,518,268
Other Revenue	480,179	556,052	450,149	432,517	416,867
Other Nevenue	400,179	550,052	450,149	432,317	410,007
Operating Expenses					
Controllable Expenses	1,828,936	2,078,717	2,110,774	2,265,922	2,483,297
Capital Taxes	24,470	11,243	11,863	13,986	14,266
Depreciation	885,464	929,960	962,400	1,073,919	1,095,397
Financial Expense (Bank)	461,377	412,342	355,613	355,513	332,677
Financial Expense (other)	102,871	77,140	105,225	52,293	53,862
Total Expenses	3,303,118	3,509,402	3,545,875	3,761,633	3,979,499
·	, ,	, ,	, ,	, ,	, ,
Net Income					
Net Income before Corporate Tax	1,218,718	1,160,119	1,039,732	1,057,552	955,636
EBITDA	2,692,900	2,590,804	2,474,833	2,553,263	2,451,838
Corporate Income Tax	579,144	513,187	486,300	444,549	315,360
Net Income after Corporate Tax	639,575	646,932	553,432	613,003	640,276
Source of Funds	COO 575	0.40,000	FF0 400	040,000	040.070
Net Income	639,575	646,932	553,432	613,003	640,276
Depreciation	885,464	929,960	962,400	1,073,919	1,095,397
Borrowing	- 226 FF 4	- 524.960	-	2,000,000	262.225
Contributed Capital Total Source of Funds	226,554	534,860	224,300	401,458	363,335
Total Source of Funds	1,751,592	2,111,751	1,740,132	4,088,380	2,099,008
Application of Funds					
Debt Retirement	600,000	1,370,602	183,980	198,619	245,696
Capital Expenditures	1,423,060	1,584,588	1,501,878	3,382,958	1,524,800
Dividends to Shareholders	310,780	1,280,561	276,716	306,502	320,138
Other	,	,,	-, -	,	,
Total Application of Funds	2,333,840	4,235,751	1,962,574	3,888,078	2,090,634
<u>Statistics</u>					
Inventory	458,827	323,303	310,862	316,898	326,520
Annual Wholesale Cost of Power	17,366,845	17,836,413	16,293,207	16,998,321	17,338,287
Net Expenses	1,853,406	2,089,960	2,122,637	2,279,908	2,497,563
Actual Rate Base	15,810,163	15,923,018	15,915,320	16,044,677	16,128,321
Rate Application Rate Base	15,437,854	15,437,854	15,437,854	15,437,854	17,493,674
Return on Rate Base	8.29%	8.38%	7.17%	8.50%	8.45%
Number of Customers	10,014	10,156	10,210	11,080	11,135
Controllable Expenses/Customer	182.64	204.68	206.74	204.51	223.01
Number of Staff	17	18.5	20	20	20
Customers Served/Staff	589.06	548.97	510.50	554.00	556.77
Earth.					
<u>Equity</u> Prior Year	8,179,855	8,508,650	7 075 004	8,151,737	9.459.000
			7,875,021 8,428,453	8,764,740	8,458,238
Current Year	8,819,430	9,155,582			9,098,514
Dividends Total	(310,780) 8,508,650	(1,280,561) 7,875,021	(276,716) 8,151,737	(306,502) 8,458,238	(320,138) 8,778,376
i otai	0,000,000	1,013,021	0,131,737	0,400,200	0,770,370
<u>Debt</u>		<b>-</b>			0.010=
Prior Year	8,400,000	7,800,000	6,429,398	6,245,418	8,046,799
Current Year	7,800,000	6,429,398	6,245,418	8,046,799	7,801,104
Total	7,800,000	6,429,398	6,245,418	8,046,799	7,801,104
Return on Equity	7.5%	8.2%	6.8%	7.2%	7.3%
Actual Debt/Equity Ratio	0.48	0.45	0.43	0.49	0.47
	55	30	3.70	50	V

d. Page 7. Please explain why capital taxes for 2010 are \$4,716 on this table, but \$13,986 on page 9.

# Response

Again as in the above response, the forecast sheet was not the one provided in the budget and the \$4,716 was incorrect. The capital tax amount used for the budget was \$13,986.

14. [SEC IR#3 and VECC IR#6] Please reconcile the revised statement in the SEC IR response with the figures in the table in the VECC IR response.

#### Response

OHL has updated the response as follows: In 2008, the average OM&A cost per customer for the cohort was \$214.00 while OHL's cost was \$215.00. Over the 3-year average from 2005 to 2007, OHL's cost was \$181.00 while the average for the cohort was \$198.00

- 15. [SEC IR#4d, App. B] With respect to the Strategic Plan:
  - a. Pages 14 and 19. Please confirm that the material filed at Ex. 2/3/3, App. B of the Application constitutes the full Asset Management Plan developed in compliance with the Strategic Plan. If further documents are part of that Asset Management Plan, please provide them. If further steps are planned to complete Strategy #13 of the Strategic Plan, please describe those steps and their expected timing.

#### Response

The material files in Ex. 2/3/3 Appendix B does not constitute a full Asset Management Plan. As discussed in Ex. 2/3/3. Page 2, "OHL's formal Asset Management Plan is in its early development stage and in 2010 we will implement a GIS system and will perform a system optimization study. OHL will use the results of our future study along with the recent condition assessment to help us effectively plan capital" OHL is developing the Asset Management in compliance with our Strategic Plan but also co-coordinating with other groups such as Cornerstone Hydro Electric Concepts (CHEC) and the Utilities Standards Forum (USF) in order to reduce costs.

b. Page 17. Please advise whether there is a formal Human Resources Strategy in place and, if it encompasses more than the material already filed, please file the full strategy.

#### Response

No, there is no formal Human Resources strategy beyond the bullets mentioned on Page 17 of the Strategic Plan.

16. [SEC IR#6d, App. D] Please advise the current interest rate that would be charged for new advances under the TD loan.

# Response

On December 23<sup>rd</sup>, 2009, the TD Bank informed OHL that the approximate interest rate on a 5 Year Term, amortized over 20 years would be approximately 5%.

- 17. [VECC IR#8] With respect to the special dividends:
  - a. Please confirm that their purpose was to adjust the valuation differential on the merger between Orangeville and Grand Valley or, if that was not the purpose, what the purpose was connected with the transaction.

#### **Response**

Yes the purpose of the special dividends was to adjust the valuation differential on the merger.

b. Please provide the calculations of the appropriate amount of the dividends, if they were calculated numbers.

# **Response**

The calculated numbers were based to adjust the share of capital stock between the two entities as per the Amalgamation Agreement.

18. [VECC IR#28b] Please provide further details on the management achievement goals in place for each of 2009 and 2010.

#### Response

Please see attached Performance Management Form as Appendix A.

19. [VECC IR#22 and many other places] In light of the various changes in revenue requirement, load forecast, cost allocation, and rate design discussed in the interrogatory responses, please file updated versions of Exhibits 6 and 8 of the Application, incorporating all such changes, plus any changes identified in the responses to Supplementary Interrogatories.

# Response

Please see attached Appendix B for Exhibit 6 and Appendix C for Exhibit 8.

# APPENDIX A PERFORMANCE MANAGEMENT FORM

# Orangeville Hydro PERFORMANCE AGREEMENT

Incumbent's name:				
Inc	Incumbent's position:			
Ev	Evaluation period from: to:			
INS	STRUCTIONS:			
The criteria provide a framework from which specific objectives are to be set for the individual. Objectives must be job-specific, relevant and achievable.				
Аp	ppropriate performance objectives should have the following chara	acteristics.		
•	The objectives should relate to the strategic goals of Orangeville Hydro as well as to the budgetary planning process.			
•	<ul> <li>The objectives should be measurable by quality or quantity criteria, with a statement of expected results and outputs.</li> </ul>			
•	There should be a reasonable mix of maintenance and ongoing objectives with innovative objectives (e.g. new challenges or projects).			
•	<ul> <li>Linkages with other departments should be identified (e.g. one objective could depend on the contribution and the effort of other individuals or departments).</li> </ul>			
•	The objectives should be realistic, achievable, yet challenging to the individual.			
•	The incumbent and his/her manager need to agree on what constitute	es fully acceptable standard of performance.		

Corporate Objectives	Rating Scale	Rating
·	<ol> <li>Unsatisfactory - failed to meet objective</li> <li>Developing - made some progress</li> <li>Commendable - met objective</li> <li>Exceptional - exceeded objective</li> </ol>	
	Results/Outcomes Achieved for the year:	
Safety Promote a safe working environment at Orangeville Hydro. Our goal is no accidents.		
Customer Service Satisfaction In all activity, promote a positive impression of Orangeville Hydro within our community with our customers, contractors, developers, and other public bodies.		
System Reliability Develop strategies to improve system reliability.		
Costs Investigate areas under your control to reduce or curtail costs or better utilize resources.		
Employee Performance Facilitate harmonious working relationships with all employees. Establish quality, working relationships with your staff. Motivate your staff to improve morale.		

Individual Objectives & Indicators:	Results/Outcomes Achieved:	Rating

Developmental Objectives:	
hat are the skills, competencies, support and/or experiences you need to enhance your performance and growth to meet your stated objectives	?

Overall: Assessment			
The reviewer's concluding comments on the level of performance:			
Unsatisfactory - failed to meet most object	ves		
<ul> <li>Developing - meets some objectives</li> </ul>			
☐ Commendable - meets most/all objectives	100		
□ Exceptional – meets or exceeds all objective	es		
Incumbent's comments			
	_		
Incumbent's Signature		Date	
_			
Basisasala Oisasatana	_	<b>D</b> -1-	
Reviewer's Signature		Date	

# APPENDIX B EXHIBIT 6-REVISED

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Exhibit Tab Schedule Appendix Contents

6 – Calculation of Revenue Deficiency or Surplus

1 1 1 Revenue Deficiency - Overview

Orangeville Hydro Limited EB-2009-0272 Exhibit 6 Tab 1 Schedule 1 Page 1 of 2 Filed: August 28, 2009

# **REVENUE DEFICIENCY - OVERVIEW:**

OHL revenue deficiency is the result of increased OM&A expenses in 2010 with the increase in of 2 staff, new CIS costs, the cost of the 2010 rate application, the inclusion of costs for IFRS and the increase of our rate base from the 2006 EDR that was based on 2004 historical data. OHL has provided detailed calculations supporting its 2010 revenue deficiency. OHL's net revenue deficiency is \$343,038 and when grossed up for PILs OHL's revenue deficiency is \$517,793. Table 1 on the following page provides the revenue deficiency calculations for the 2010 Test Year at Existing 2009 OEB-approved rates and the 2010 Test Year Revenue

9 Requirement.

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Orangeville Hydro Limited EB-2009-0272 Exhibit 6 Tab 1 Schedule 1 Page 2 of 2 Filed: August 28, 2009

Table 1
Calculation of Revenue Deficiency or Surplus

	2010 Test Existing Rates	2010 Test Proposed Rates
Revenue		
Suff/ Def From Below.		\$517,793
Distribution Revenue	\$4,381,789	\$4,381,789
Other Operating Revenue (Net)	\$356,272	\$356,272
Total Revenue	\$4,738,061	\$5,255,854
Distribution Costs		
Operation, Maintenance, and Administration	\$2,769,015	\$2,769,015
Depreciation & Amortization	\$1,110,968	\$1,110,968
Property & Capital Taxes	\$2,089	\$2,089
Interest- Deemed Interest	\$570,425	\$570,425
Total Costs and Expenses	\$4,452,498	\$4,452,498
Utility Income Before Income Taxes	\$285,563	\$803,356
Net Adjustments per 2009 Pils	\$55,150	\$55,150
Taxable Income	\$340,712	\$858,506
First \$500,000	22.5%	22.5%
Remaining	33.75%	33.75%
Effective Tax Rate	17.24%	27.20%
Income Tax	\$58,740	\$233,496
Utility Net Income	\$226,822	\$569,860
Rate Base	\$17,785,905	\$17,785,905
Return on Equity	8.01%	8.01%
Equity Rate Base %	40.00%	40.00%
Equity Component Rate Base	\$7,114,362	\$7,114,362
Target Return -Equity on Rate Base	569,860	569,860
Revenue Deficiency	\$343,038	\$0
Revenue Deficiency (Gross-up)	\$517,793	\$0

# APPENDIX C EXHIBIT 8 - REVISED

Orangeville Hydro Limited EB-2009-0272 Exhibit 8 Index Page 1 of 1 Filed: August 28, 2009

Exhibit	Tab	Schedule	Appendix	Contents
8 – Rate Design				
	1	1		Rate Design Overview
				Elimination of Legacy TOU Rate Class
		2		Rate Mitigation
		3		Other Electricity Charges
				Proposed Harmonization of Retail Transmission Rates
		4		Existing Rate Classes
		5		Existing Rate Schedule
		6		Schedule of Proposed Rates and Charges
		7		Reconciliation of Rate Class Revenue
		8		Determination of Loss Adjustment Factors
		9		Rate and Bill Impacts
			A	Table of Rate and Bill Impacts

# RATE DESIGN OVERVIEW:

- 2 OHL is proposing in this application to harmonize the distribution rates for the Orangeville
- 3 service area and the Grand Valley service area. This Exhibit documents the calculation of
- 4 OHL's proposed distribution rates by rate class for the 2010 test year, based on rate design as
- 5 proposed in this Exhibit.

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- 6 OHL has determined its total 2010 service revenue requirement to be \$5,255,854. The total
- 7 revenue offsets in the amount of \$356,272 reduce OHL's total service revenue requirement to a
- 8 base revenue requirement to \$4,899,582 which is used to determine the proposed distribution
- 9 rates. The base revenue requirement is derived from OHL's 2010 capital and operating
- 10 forecasts, weather normalized usage, forecasted customer counts, and OHL's regulated return on
- 11 rate base. The revenue requirements are summarized below in Table 1:

12 **Table 1** 

# **Calculation of Base Revenue Requirement**

Base Revenue Requirement	4,899,582
Less: Revenue Offsets	<u>-356,272</u>
Service Revenue Requirement	5,255,854
PILs (with gross-up)	<u>235,585</u>
Regulated Return On Capital	1,140,286
Total Distribution Expenses	3,879,984
Amortization Expenses	1,110,968
OM&A Expenses	2,769,015

- 15 The outstanding base revenue requirement is allocated to the various rate classes using the
- 16 following proposed apportionment of revenue as outlined in Exhibit 7 Cost Allocation.

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1 Table 2

# **Proposed Apportionment of Revenue to Rate Classes**

	<b>Proposed Proportion of</b>
Rate Classification	Revenue
Residential	64.72%
General Service Less Than 50 kW	16.67%
General Service Greater Than 50 kW	17.20%
Street Lights	0.98%
Sentinel Lights	0.13%
Unmetered Scattered Load	0.30%
Total	100.00%

4 The following Table 3 outlines the results of this allocation.

5 Table 3

# **Allocation of Outstanding Base Revenue Requirement**

Rate Classification	Proposed Revenue
Residential	\$3,170,863
General Service Less Than 50 kW	\$816,760
General Service Greater Than 50 kW	\$842,728
Street Lights	\$48,114
Sentinel Lights	\$6,418
Unmetered Scattered Load	\$14,699
Total	\$4,899,582

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# **Determination of Monthly Fixed/Volumetric Charges:**

- 9 OHL's current OEB-approved (2009 IRM) volumetric and monthly fixed charges are
- summarized in Table 4 and Table 5 as follows.

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1 **Table 4(a)** 

# Orangeville Service Area Current Monthly Fixed Charges (Excludes Smart Meter)

Rate Class	Current Monthly Fixed Charge	Customer\ Connection
Residential	\$16.07	Customer
General Service Less Than 50 kW	\$29.78	Customer
General Service Greater Than 50 kW	\$183.39	Customer
General Service Greater Than 50 kW-TOU	\$2,141.44	Customer
Street Lights	\$0.04	Connection
Sentinel Lights	\$0.40	Connection
Unmetered Scattered Load	\$29.78	Customer

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# 7 Grand Valley Service Area Current Monthly Fixed Charges (Excludes Smart Meter)

Table 4(b)

Rate Class	Current Monthly Fixed	Customer\
	Charge	Connection
Residential	\$13.30	Customer
General Service Less Than 50 kW	\$21.36	Customer
General Service Greater Than 50 kW	\$232.99	Customer
Street Lights	\$0.93	Connection
Unmetered Scattered Load	\$21.36	Customer

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**Table 5(a)** 

# **Orangeville Service Area Current Monthly Volumetric Charges**

Current Monthly Volumetric Charge	Unit
0.0135	kWh
0.0101	kWh
1.8266	kW
1.7580	kW
0.6418	kW
1.9320	kW
0.0101	kWh
	0.0135 0.0101 1.8266 1.7580 0.6418 1.9320

**Table 5(b)** 

# **Grand Valley Service Area Current Monthly Volumetric Charges**

Rate Class	Current Monthly Volumetric Charge	Unit
Residential	0.0163	kWh
General Service Less Than 50 kW	0.0141	kWh
General Service Greater Than 50 kW	3.9508	kW
Street Lights	5.8417	kW
Unmetered Scattered Load	0.0141	kWh

In order to harmonize the rates, OHL used the existing approved fixed charges applied to the forecasted number of customers for the Orangeville Service area for 2010 and the forecasted number of customers for the Grand Valley Service area for 2010. The approved volumetric charge for Orangeville service area was applied to the forecasted volumetric billing determinants and the approved volumetric charge for Grand Valley service area was applied to the forecasted volumetric billing determinants in that area and combined. The following Table 6 outlines the resulting current split between fixed and variable distribution revenue.

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- 1 OHL has also eliminated the >50 kW to 4999 kW –Time of Use Class in coordination with Run
- 2 of the Cost Allocation Model. In Exhibit 7 Run 2 of the Cost Allocation model also eliminates
- 3 this class.

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1 **Table 6** 

# Fixed and Variable Proportion

Rate Class	Fixed Revenue Proportion	Variable Revenue Proportion
Residential	64.74%	35.26%
General Service Less Than 50 kW	52.30%	47.70%
General Service Greater Than 50 kW	47.97%	52.03%
Street Lights	53.92%	46.08%
Sentinel Lights	59.47%	40.53%
Unmetered Scattered Load	77.36%	22.64%

- 4 OHL submits that it is appropriate for 2010 to maintain the same fixed/variable proportions
- 5 assumed in the current rates for all customer classifications with the exception of General
- 6 Service 50 to 4999 kW.

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- 7 In its November 28, 2007 Report on Application of Cost Allocation for Electricity Distributors,
- 8 referred to in Exhibit 7 above, the OEB addressed a number of "Other Rate Matters", including
- 9 the treatment of the fixed rate component (the Monthly Service Charge, or "MSC") of the bill.
- 10 At page 12 of the Report, the OEB determined that the floor amount for the MSC should be the
- avoided costs, as that term is defined in the September 29, 2006 report of the OEB entitled "Cost
- 12 Allocation: Board Directions on Cost Allocation Methodology for Electricity Distributors".
- OHL's MSCs exceeds that floor amount. With respect to the upper bound for the MSC, the OEB
- 14 considered it to be inappropriate to make changes to the MSC ceiling at this time, given the
- 15 number of issues that remain to be examined within the scope of the OEB's Rate Review
- proceeding (EB-2009-0031). The OEB indicated that for the time being, it does not expect
- distributors to make changes to the MSC that result in a charge that is greater than the ceiling as
- defined in the Methodology for the MSC; and that distributors that are currently above that value
- are not required to make changes to their current MSC to bring it to or below that level at this
- time.

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Until the OEB's Rate Review proceeding (EB-2009-0031) is completed and consistent with Norfolk Power Distribution Inc. 2009 Rate Decision (EB-2007-0753), OHL submits that an MSC ceiling has not been established and that it is appropriate for the purposes of setting rates in this Application to maintain the current fixed and variable proportions of its rates. Any changes in MSCs are due solely to changes in the total base revenue requirement attributable to each customer class. The following Table 7 provides OHL's calculations of its proposed monthly fixed distribution charges for the 2010 Test Year assuming the fixed/variable split supporting the current approved rates.

**Table 7** 

# **Proposed Fixed Distribution Charge**

Rate Class	Total Base Revenue Requirement	Fixed Revenue Proportion	2010 Test Year Customers	Proposed Fixed Distribution Charge
Residential	3,170,863	64.74%	10,045	17.03
General Service Less Than 50 kW	816,760	52.30%	1,081	32.94
General Service Greater Than 50 kW	842,728	47.97%	133	259.14
Street Lights	48,114	53.92%	2,724	0.79
Sentinel Lights	6,418	59.47%	170	1.87
Unmetered Scattered Load	14,699	77.36%	151	6.28
Total	4,899,582			

# **Proposed Volumetric Charges:**

- 2 The variable distribution charge is calculated by dividing the variable distribution portion of the
- 3 base revenue requirement by the appropriate 2010 Test Year usage, kWh or kW, as the class
- 4 charge determinant.

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- 5 The following Table 8 provides OHL's calculations of its proposed variable distribution charges
- 6 for the 2010 Test Year assuming the same fixed/variable split used in designing the current
- 7 approved rates with the exception of the GS 50 to 4,999 kW class.

9 **Table 8** 

# **Variable Distribution Charge Calculation**

Rate Class	Total Base Revenue Requirement	Variable Revenue Proportion	2010 Test Volumetric Billing Determinant	Unit	Proposed Volumetric Distribution Charge
Residential	3,170,863	35.26%	85,724,945	kWh	0.0130
General Service Less Than 50 kW	816,760	47.70%	38,621,229	kWh	0.0101
General Service Greater Than 50 kW	842,728	52.03%	293,560	kW	1.8006
Street Lights	48,114	46.08%	5,069	kW	4.3740
Sentinel Lights	6,418	40.53%	357	kW	7.2779
Unmetered Scattered Load	14,699	22.64%	374,511	kWh	0.009
Total	4,899,582				

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# **Adjustment to Transformer Allowance:**

Currently, OHL provides a Transformer Allowance to those customers that own their transformation facilities. OHL proposes to maintain the current approved transformer ownership allowance of \$0.60 per kW. The Transformer Allowance is intended to reflect the costs to a distributor of providing step down transformation facilities to the customer's utilization voltage level. Since the distributor provides electricity at utilization voltage, the cost of this transformation is captured in and recovered through the distribution rates. The transformer

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- allowance amount of \$90,131 was determined by the projected forecast for those customers who
- 2 own their transformers. Therefore, when a customer provides its own step down transformation
- 3 from primary to secondary, it should receive a credit of these costs already included in the
- 4 distribution rates.

# 5 Low Voltage Charges:

- 6 OHL is an embedded distributor with Hydro One and is subject to Low Voltage charges. OHL
- 7 has revised the charges based on Hydro One recent 2009 Decision EB-2008-0187. OHL has
- 8 forecasted the total Low Voltage charges to be approximately \$274,135 based on this decision.
- 9 OHL allocated the low voltage costs by customer class based on the allocation of the retail
- 10 transmission connection rates to develop percentage of allocation for the total amount of
- 11 \$274,135 to the classes.

**Low Voltage Costs Allocated by Customer Class** 

	Retail Transmission	Connection Rate (\$)	Basis for Allocation	Allocation	Allocated \$	
Customer Class	Netun Trunsmission	Connection Rate (7)	(\$)	Percentages		
	per KWh	per kW				
Residential	0.0030		259,901	37.83%	103,693	
GS < 50 kW	0.0027		105,760	15.39%	42,195	
GS >50 kW		1.0761	315,898	45.98%	126,034	
GS >50 kW - TOU-eliminate			0	0.00%	0	
Sentinel Lights		0.8493	304	0.04%	121	
Street Lighting		0.8318	4,216	0.61%	1,682	
USL	0.0027		1,026	0.15%	409	
TOTALS			687,105	100.00%	274,135	

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- 1 OHL then designed the rates based on the allocation percentages and revenue projection by each
- 2 class as set out in the table below.

# **RATES - Low Voltage Adjustment**

Customer Class	LV Adj. Allocated	Calculated kWh	Calculated kW	Volumetric Rate Type	LV/ Adj. Rates/kWh	LV Adj. Rates/ kW
Residential	103,693	85,724,945	0	kWh	0.0012	
GS < 50 kW	42,195	38,621,229	0	kWh	0.0011	
GS >50 kW	126,034	123,000,460	293,560	kW		0.4293
GS >50 kW - TOU-eliminate	0	0	0	kW		
Sentinel Lights	121	129,066	357	kW		0.3388
Street Lighting	1,682	1,787,196	5,069	kW		0.3319
USL	409	374,511	0	kWh	0.0011	
TOTALS	274,135	249,637,408	298,986			

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# **Proposed Distribution Rates:**

- 6 The following Table 9 sets out OHL's proposed 2010 electricity distribution rates based on the
- 7 foregoing calculations, including adjustments for the recovery of transformer allowance, Low
- 8 Voltage recovery, regulatory assets rate rider and the smart meter rate adder of \$1.00/month:

Table 9

Proposed 2010 Electricity Distribution Rates

Customer Class	Item Description	Unit	Rate (\$)		
Residential					
	Monthly Service Charge	per month	17.03		
	Distribution Volumetric Rate	per kWh	0.0130		
	LV Charges	per kWh	0.0012		
	Smart Meter Rate Rider	per month	1.0000		
	Regulatory Assets Rate Rider	per kWh	(0.0013)		
GS < 50 kW					
	Monthly Service Charge	per month	32.94		
	Distribution Volumetric Rate	per kWh	0.0101		
	LV Charges	per kWh	0.0011		
	Smart Meter Rate Rider	per month	1.0000		
	Regulatory Assets Rate Rider	per kWh	(0.0013)		
GS >50 kW					
	Monthly Service Charge	per month	259.14		
	Distribution Volumetric Rate	per kW	1.8006		
	LV Charges	per kW	0.4293		
	Smart Meter Rate Rider	per month	1.0000		
	Regulatory Assets Rate Rider	per kW	(0.5054)		
Sentinel Lights					
Jentiner Lights	Monthly Service Charge	per connection	1.87		
	Distribution Volumetric Rate	per kW	7.2779		
	LV Charges	per kW	0.3388		
	Regulatory Assets Rate Rider	per kW	(0.4833)		
Street Lighting	-0	F	(=======		
Sucer righting	Monthly Service Charge	per connection	0.79		
	Distribution Volumetric Rate	per kW	4.3740		
	LV Charges	per kW	0.3319		
	Regulatory Assets Rate Rider	per kW	(0.4492)		
USL	•	•			
	Monthly Service Charge	per connection	6.28		
	Distribution Volumetric Rate	per kWh	0.0089		
	LV Charges	per kWh	0.0011		
	Regulatory Assets Rate Rider	per kWh	(0.0010)		

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OHL has eliminated the legacy General Service Greater than 50 kW TOU rate class. OHL has also changed the monthly service charge for the unmetered scattered load class from "per Customer" to "per Connection".

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# **RATE MITIGATION:**

- 2 OHL submits that the bill impacts of its proposed 2010 electricity distribution rates are not so
- 3 significant as to warrant any mitigation measures.

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# OTHER ELECTRICITY CHARGES:

- 2 OHL proposes to leave rates for Wholesale Market Service, Rural Rate Protection Charge, and
- 3 Standard Supply Service Administrative Charge at rates approved by the OEB in EB-2008-
- 4 0177 and EB-2008-0204 (2009 rates). Both the Network Service and Line and Transformation
- 5 Connection rates were revised in the 2009 IRM rate setting process to reflect the increase in the
- 6 Uniform Transmission Rates EB-2008-0113 and according to the Guidelines G-2008-0001
- 7 issued October 22, 2008.

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9 OHL is proposing to harmonize the retail transmission rates for Orangeville and Grand Valley.

10 This will be completed by using the proposed rates for 2010. As indicated in the chart below the

current rates for each service area are in reverse of each other. Utilizing Orangeville service area

transmission rates are also more aligned with the variances for both network and connection.

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	Existing Rates for Grand Valley	Existing Rates for Orangeville	Proposed Harmonized 2010 Rates
Transmission Network			
Residential	0.0033	0.0052	0.0052
< 50 kW GS	0.0031	0.0048	0.0048
>50 kW GS	1.1714	1.9365	1.9365
Street Lighting	1.1714	1.4605	1.4605
Sentinel Lighting	n/a	1.4678	1.4678
Unmetered Scattered Load	0.0031	0.0048	0.0048
Transmission Connection			
Residential	0.0051	0.0031	0.0030
< 50 kW GS	0.0045	0.0028	0.0027
>50 kW GS	1.7871	1.1003	1.0761
Street Lighting	1.7871	0.8505	0.8318
Sentinel Lighting	n/a	0.8684	0.8493
Unmetered Scattered Load	0.0045	0.0028	0.0027

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OHL has followed the guidelines for Electricity Distribution Retail Transmission Service Rates G-2008-0001 Revision 1.0 issued July 22, 2009 and has adjusted the Retail Transmission Line and Transformation Connection Service per the Decision and Rate Order EB-2008-072 with a decrease of 2.2%. EB-2008-072 also called for an increase in the Network Service Rate of 3.5%

- 1 however OHL's variance accounts indicated that we should not increase the existing rate by 5%.
- 2 OHL proposes to maintain the existing Transmission Network rate charged to customers. There
- 3 has been an over-collection of the transmission network service rate. The Retail Transmission
- 4 Network variance in 2008 increased for an additional credit of \$51,698.

**Table 10** 

**Retail Transmission Service Rates (RTSR)** 

	2007		2008		2007			2008				
Month	Retail Transmission Network Cost	Retail Transmission Network Billing	Variance	Retail Transmission Network Cost	Retail Transmission Network Billing	Variance	Retail Transmission Connection Cost	Retail Transmission Connection Billing	Variance	Retail Transmission Connection Cost	Retail Transmission Connection Billing	Variance
January	112,243	96,401	15,843	108,902	88,604	20,298	60,151	50,477	9,673	58,340	46,161	12,180
February	112,667	120,990	(8,323)	106,959	109,865	(2,906)	60,481	68,615	(8,134)	57,309	82,034	(24,725)
March	103,466	132,120	(28,654)	97,695	163,262	(65,566)	56,327	73,782	(17,454)	52,485	66,798	(14,313)
April	96,690	113,868	(17,179)	86,229	94,779	(8,550)	51,914	66,550	(14,636)	48,867	60,986	(12,119)
May	106,055	106,022	32	82,235	59,588	22,647	57,260	60,324	(3,064)	56,460	37,094	19,366
June	119,650	108,945	10,704	85,196	132,403	(47,207)	64,098	59,595	4,503	58,562	86,792	(28,231)
July	117,480	125,007	(7,527)	88,677	70,281	18,396	62,936	70,572	(7,636)	60,904	43,694	17,209
August	117,190	102,315	14,875	84,322	72,084	12,237	62,780	61,555	1,225	57,892	45,860	12,033
September	110,762	112,984	(2,222)	71,403	105,940	(34,537)	59,369	63,505	(4,136)	49,339	68,097	(18,758)
October	98,346	120,417	(22,072)	76,485	77,640	(1,156)	52,770	57,627	(4,857)	52,917	48,626	4,292
November	108,186	121,449	(13,263)	84,054	101,932	(17,878)	57,958	74,843	(16,884)	57,776	65,305	(7,529)
December	108,710	124,624	(15,914)	86,977	108,153	(21,176)	58,332	68,999	(10,667)	59,967	71,643	(11,677)
Total:	1,311,444	1,385,143	(73,699)	1,059,133	1,184,530	(125,397)	704,377	776,445	(72,068)	670,819	723,091	(52,272)

- 8 OHL is aware that the Retail Transmission rates are subject to any modifications as a result of an
- 9 OEB decision on Hydro One Networks' 2010 Uniform Transmission Rate Adjustment
- 10 Application January 1, 2010.
- OHL has examined the trends in the monthly balances in the RTSR deferral accounts.
- OHL feels that the RTSR rates with the adjustment of the UTRs effective July 1, 2009 will
- eliminate the ongoing trends in the balances of the RTSR deferral accounts.

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#### **EXISTING RATE CLASSES:**

#### 2 **Residential:**

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- 3 This classification refers to the supply of electrical energy to residential customers in detached or
- 4 semi-detached units, as defined in the local zoning by-law.

# 5 General Service Less than 50 kW:

- 6 This classification refers to the supply of electrical energy to commercial buildings taking
- 7 electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to
- 8 be less than, 50 kW. Commercial buildings are defined as buildings, which are used for
- 9 purposes other than residential dwellings.

# 10 General Service 50 to 4999 kW:

- 11 This classification refers to the supply of electrical energy to commercial buildings whose
- monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater
- than, 50 kW but less than 5,000 kW. Commercial buildings are defined as buildings, which are
- used for purposes other than residential dwellings.

# 15 Unmetered Scattered Load:

- 16 This classification refers to an account taking electricity at 750 volts or less whose monthly
- 17 average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is
- 18 unmetered. Unmetered or flat connections are permitted with the approval of OHL's
- 19 Engineering Department. Flat rate connects may include, but are not limited to, Traffic Lights,
- 20 Street Lights, Bus Shelters, and Signs. Energy consumption is determined by information
- 21 provided by the customer and/or load measurement taken by OHL following connection of the
- 22 flat service.

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# 1 Sentinel Lighting:

- 2 This classification refers to an account for roadway lighting not classified as unmetered or street
- 3 lighting. The consumption for the customer will be based on the calculated connected load times
- 4 a twelve hour day times the applicable billing period.

# 5 **Street Lighting:**

- 6 This classification refers to the Street Lighting system owned by the Town of Orangeville, the
- 7 Village of Grand Valley and the Ministry of Transportation and Communications.

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# **EXISTING RATE SCHEDULE:**

# Orangeville Hydro Limited

#### **MONTHLY RATES AND CHARGES**

#### Residential

Residential		
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)	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh	17.07 0.0135 0.0052 0.0031 0.0052 0.0013 0.25
General Service Less Than 50 kW		
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)	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$	30.78 0.0101 0.0048 0.0028 0.0052 0.0013 0.25
General Service 50 to 4,999 kW		
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)	\$ \$/kW \$/kW \$/kW \$/kWh \$/kWh	184.39 1.8266 1.9365 1.1003 0.0052 0.0013 0.25
General Service 50 to 4,999 kW – Time of Use		
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)	\$ \$/kW \$/kW \$/kW \$/kWh \$/kWh	2,142.44 1.7580 2.0543 1.2160 0.0052 0.0013 0.25
Unmetered Scattered Load		
Service Charge (per customer) 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)	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh	29.78 0.0101 0.0048 0.0028 0.0052 0.0013 0.25

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# **Sentinel Lighting**

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)	\$ \$/kW \$/kW \$/kW \$/kWh \$/kWh	0.40 1.9320 1.4678 0.8684 0.0052 0.0013 0.25
Street Lighting		
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)	\$ \$/kW \$/kW \$/kW \$/kWh \$/kWh	0.04 0.6418 1.4605 0.8505 0.0052 0.0013 0.25
Specific Service Charges		
Customer Administration Arrears certificate Pulling post dated cheques Notification Charge Account history Credit reference/credit check (plus credit agency costs) Returned Cheque Charge (plus bank charges) Charge to certify cheque Account set up charge/change of occupancy charge (plus credit agency costs if applicable) Meter dispute charge plus Measurement Canada fees (if meter found correct) Special meter reads	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	15.00 15.00 15.00 15.00 15.00 15.00 15.00 30.00 30.00 30.00
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 Disconnect/Reconnect at meter – after regular hours Disconnect/Reconnect at pole – during regular hours Disconnect/Reconnect at pole – after regular hours	% % \$ \$ \$ \$	1.50 19.56 30.00 65.00 185.00 185.00 415.00
Temporary service install & remove – overhead – no transformer Temporary service install & remove – underground – no transformer Temporary service install & remove – overhead – with transformer Specific Charge for Access to the Power Poles – per pole/year	\$ \$ \$ \$	500.00 300.00 1,000.00 22.35
Allowances Transformer Allowance for Ownership - per kW of billing demand/month Primary Metering Allowance for transformer losses – applied to measured demand and energy	\$/kW %	(0.60) (1.00)

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

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

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0406
Total Loss Factor – Secondary Metered Customer > 5,000 kW	N/A
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0302
Total Loss Factor – Primary Metered Customer > 5,000 kW	N/A

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# **EXISTING RATE SCHEDULE:**

# **Grand Valley Energy**

#### MONTHLY RATES AND CHARGES

#### Residential

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)	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh	14.30 0.0163 0.0033 0.0051 0.0052 0.0013 0.25
General Service Less Than 50 kW		
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)	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh	22.36 0.0141 0.0031 0.0045 0.0052 0.0013 0.25
General Service 50 to 4,999 kW		
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)	\$ \$/kW \$/kW \$/kW \$/kWh \$/kWh	233.99 3.9508 1.1714 1.7871 0.0052 0.0013 0.25
Unmetered Scattered Load		
Service Charge (per customer) 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)	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh	21.36 0.0141 0.0031 0.0045 0.0052 0.0013 0.25
Street Lighting		
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)	\$ \$/kW \$/kW \$/kW \$/kWh \$/kWh	0.93 5.8417 1.1714 1.7871 0.0052 0.0013 0.25

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# **Specific Service Charges**

Customer Administration		
Arrears Certificate	\$	15.00
Returned Cheque (plus bank charges)	\$	15.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect Charge - At Meter During Regular Hours	\$	65.00
Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
Allowances		
Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(0.00) $(1.00)$
,		(-100)
Retail Service Charges (if applicable)		
Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity		
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)	¢.	0.25
Request fee, per request, applied to the requesting party  Processing fee, per request, applied to the requesting party	\$ \$	0.25
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail	Ф	0.30
Settlement Code directly to retailers and customers, if not delivered electronically through the		
Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00
LOSS FACTORS		
Total Loss Factor – Secondary Metered Customer < 5,000 kW		1.0612
Total Loss Factor – Secondary Metered Customer > 5,000 kW		N/A
Total Loss Factor – Primary Metered Customer < 5,000 kW		1.0505
Total Loss Factor – Primary Metered Customer > 5,000 kW		N/A
·		

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# SCHEDULE OF PROPOSED RATES AND CHARGES:

# Residential

Service Charge	\$	17.03
Smart Meter Rate Adder		1.00
Distribution Volumetric Rate	\$/kWh	0.0130
LV Charges	\$/kWh	0.0012
Rate Rider	\$/kWh	(0.0013)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0052
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0030
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

# **General Service Less Than 50 kW**

Service Charge	\$	32.94
Smart Meter Rate Adder		1.00
Distribution Volumetric Rate	\$/kWh	0.0101
LV Charges	\$/kWh	0.0011
Rate Rider	\$/kWh	(0.0013)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0027
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

# General Service 50 to 4,999 kW

Service Charge	\$	259.14
Smart Meter Rate Adder		1.00
Distribution Volumetric Rate	\$/ <b>kW</b>	1.8006
LV Charges	<b>\$/kW</b>	0.4293
Rate Rider	<b>\$/kW</b>	(0.5054)
Retail Transmission Rate – Network Service Rate	\$/kW	1.9365
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/ <b>kW</b>	1.0761
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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\$

0.25

# **Unmetered Scattered Load**

Standard Supply Service – Administrative Charge (if applicable)

e militare de Scatterea Loua		
Service Charge (per connection)	\$	6.28
Distribution Volumetric Rate	\$/kWh	0.0089
LV Charges	\$/kWh	0.0011
Rate Rider	\$/kWh	(0.0010)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0027
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25
Sentinel Lighting		
Service Charge (per connection)	\$	1.87
Distribution Volumetric Rate	\$/ <b>kW</b>	7.2779
LV Charges	\$/ <b>kW</b>	0.3388
Rate Rider	\$/ <b>kW</b>	(0.4833)
Retail Transmission Rate – Network Service Rate	\$/ <b>kW</b>	1.4678
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8493
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25
Street Lighting		
Service Charge (per connection)	\$	0.79
Distribution Volumetric Rate	\$/kW	4.3740
LV Charges	\$/kW	0.3319
Rate Rider	\$/kW	(0.4492)
Retail Transmission Rate – Network Service Rate	\$/kW	1.4605
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8318
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013

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\$/kW

0.00

# **Specific Service Charges**

Customor	Administration
Customer	Administration

Arrears certificate	\$ 15.00
Pulling Post Dated Cheques	\$ 15.00
Notification Charge	\$ 15.00
Account History	\$ 15.00
Credit reference/credit check (plus credit agency costs)	\$ 15.00
Returned cheque charge (plus bank charges)	\$ 15.00
Charge to certify cheque	\$ 15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$ 30.00
Meter dispute charges plus Measurement Canada fees (if meter found correct)	\$ 30.00
Special meter reads	\$ 30.00

# **Non-Payment of Account**

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00

Temporary service install & remove - overhead - no transformer	\$ 500.00
Temporary service install & remove - underground - no transformer	\$ 300.00
Temporary service install & remove - overhead - with transformer	\$ 1000.00
Specific Charge for Access to the Power Poles \$/pole/year	\$ 22.35

#### Allowances

Transformer Allowance for Ownership - per kW of billing demand/month	<b>\$/kW</b>	(0.60)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)
	\$/kW	0.00

# LOSS FACTORS

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0468
Total Loss Factor – Secondary Metered Customer > 5,000 kW	0.0000
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0363

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# RECONCILIATION OF RATE CLASS REVENUE:

# **2010 Test Year Distribution Revenue Reconciliation**

Customer Class	Fixe	Fixed Distribution Revenue		Variable Distribution Revenue	Transformer Allowance Credit		Total Distribution Revenue		Expected
Residential	\$	2,052,694	\$	1,217,294		\$	3,269,988	\$	3,274,556
GS < 50 kW	\$	427,100	\$	432,558		\$	859,658	\$	858,956
GS >50 kW	\$	404,258	\$	654,609	(\$90,119)	\$	968,748	\$	968,762
GS >50 kW - TOU-eliminate	\$	-	\$	-	\$0	\$	-	\$	-
Sentinel Lights	\$	3,817	\$	2,723		\$	6,540	\$	6,540
Street Lighting	\$	25,941	\$	23,855		\$	49,796	\$	49,796
USL	\$	11,371	\$	3,745		\$	15,116	\$	15,108
Back-up/Standby Power									
Total	\$	2,925,181	\$	2,334,784	(\$90,119)	\$	5,169,845	\$	5,173,717

Difference Due to Rate Rounding
\$ 3,872

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#### **DETERMINATION OF LOSS ADJUSTMENT FACTORS:**

#### **2 Total Loss Factor:**

- 3 OHL has calculated the total loss factor to be applied to customers' consumption based on the
- 4 average wholesale and retail kWh for the years 2004 to 2008. The calculations are summarized
- 5 in Table 14 below.

# Table 14 Total Loss Factor Calculations

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Calculation for distribution loss adjustment factors

	Description	2004	2005	2006	2007	2008	Total
Α	"Wholesale" kWh IESO plus Embedded Generation	249,629,277	258,210,340	259,662,833	265,059,732	257,950,545	1,290,512,727
В	"Wholesale" kWh for Large Use customer(s)	0	0	0	0	0	0
С	Net "Wholesale" kWh (A)-(B)	249,629,277	258,210,340	259,662,833	265,059,732	257,950,545	1,290,512,727
D	"Retail" kWh (Distributor)	242,286,509	249,806,945	250,897,683	256,622,372	249,716,485	1,249,329,994
Ε	"Retail" kWh for Large Use Customer(s)						0
F	Net "Retail" kWh (D)-(E)	242,286,509	249,806,945	250,897,683	256,622,372	249,716,485	1,249,329,994
G	Loss Factor [(C)/(F)]	103.03%	103.36%	103.49%	103.29%	103.30%	103.30%
Н	Distribution Loss Adjustment Factor (5 year avg.)						103.30%
	Supply Facility Loss Factor	101.32%	101.28%	101.32%	101.34%	101.43%	101.34%
	Supply Facility Loss Adjustment Factor (3 year avg.)						101.34%
	Total Loss Factor						1.0468

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# **Supply Facility Loss Factor:**

The supply facility loss factor (the "SFLF") calculation is shown in Table 15 and represents the losses on supply to OHL. The SFLF is calculated on the measured quantities between the transformer stations and the wholesale meter points. The SFLF is used in the calculations of the total loss factor above based on the 2004 to 2008 averages.

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1 2

# Table 15 Supply Facility Loss Factor

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Description	Full Year	Total				
	2004	2005	2006	2007	2008	
"Wholesale" kWh IESO With Losses	252,917,856	261,520,105	263,090,888	268,617,931	261,643,455	1,307,790,235
"Wholesale" kWh IESO No Losses	249,629,277	258,210,340	259,662,833	265,059,732	257,950,545	1,290,512,727
Supply Facility Loss Factor	0.01317	0.01282	0.01320	0.01342	0.01432	0.01339

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# **Total Loss Factor by Class:**

- 7 Table 16 sets out the class-specific Loss Factors used by OHL in the calculation of commodity
- 8 and other non-distribution charges.

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# Table 16 Total Loss Factor by Class

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Total Utility Loss Adjustment Factor		<u>LAF</u>				
Supply Facility Loss Factor		1.0134				
Distribution Loss Factor						
Distribution Loss Factor - Secondary Metered Customer < 5,000kW		1.0330				
Distribution Loss Factor - Primary Metered Customer < 5,000kW		1.0226				
Total Loss Factor						
Total Loss Factor - Secondary Metered Customer < 5,000kW						
Total Loss Factor - Primary Metered Customer < 5,000kW		1.0363				

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# 1 Materiality Analysis on Distribution Losses:

- 2 OHL's Distribution Loss Adjustment factor is 3.30%. Pursuant to the Filing Requirements, as
- 3 the Distribution Loss Adjustment factor is less than 5%, OHL is not required to provide a
- 4 explanation of, or justification for, its loss adjustment factor.

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#### **RATE AND BILL IMPACTS:**

- 2 Appendix A to this Schedule presents the results of the assessment of customer total bill impacts
- 3 by customer rate class.
- 4 Impacts are derived using the applicable May 1, 2009 rates and the proposed 2010 distribution
- 5 rates, the proposed new Regulatory Asset rate rider, and the proposed revised loss factors.
- 6 Electricity rates for Residential and General Service < 50 kW are the rates effective May 1, 2009
- 7 for Rate Protection Plan customers. Electricity rates for other classes are the forecasted rates for
- 8 2010 of \$.0607/kWh.
- 9 In the residential class for Grand Valley there is an impact of 15.35% on the total bill for a
- 10 customer with consumption of 100kWh. We researched and found 17 accounts that were
- affected. Out of these 17 accounts 14 accounts were empty apartment units, 2 were disconnected
- 12 and 1 account was a garage.

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- 14 There are no other bill impacts that exceed the 10% threshold other than the street light and
- sentinel light classes that were increased due to cost allocation.

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- 17 The total bill impacts are calculated for each rate class at various levels of consumption. The
- rate impacts are assessed on the basis of moving to the proposed distribution rates.

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# APPENDIX A TABLE OF RATE AND BILL IMPACTS

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# RESIDENTIAL

Consumption	
100 kWh	

	2009 BILL				2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Monthly Service Charge			16.07			17.03	0.96	5.97%	58.84%	
Distribution (kWh)	100	0.0135	1.35	100	0.0142	1.42	0.07	5.19%	4.91%	
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	3.46%	
LRAM & SSM Rider (kWh)	100	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%	
Regulatory Assets (kWh)	100	0.0000	0.00	100	(0.0013)	(0.13)	(0.13)	100.00%	(0.44%)	
Transmission Charges	104	0.0083	0.86	105	0.0082	0.86	(0.00)	(0.23%)	2.98%	
Sub-Total			19.28			20.18	0.90	4.67%	69.74%	
Other Charges (kWh)	104	0.0135	1.40	105	0.0135	1.41	0.01	0.59%	4.88%	
Cost of Power Commodity (kWh)	104	0.0570	5.93	105	0.0570	5.97	0.04	0.59%	20.62%	
Total Bill Before Taxes			26.62			27.56	0.94	3.55%	95.24%	
GST		5.00%	1.33		5.00%	1.38	0.05	3.55%	4.76%	
Total Bill			27.95			28.94	0.99	3.55%	100.00%	

# RESIDENTIAL

Consumption
250 kWh

	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			16.07			17.03	0.96	5.97%	38.74%
Distribution (kWh)	250	0.0135	3.38	250	0.0142	3.55	0.18	5.19%	8.08%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	2.27%
LRAM & SSM Rider (kWh)	250			250	0.0000	0.00	0.00	0.00%	0.00%
Regulatory Assets (kWh)	250	0.0000	0.00	250	(0.0013)	(0.32)	(0.32)	100.00%	(0.72%)
Transmission Charges	260	0.0083	2.16	262	0.0082	2.15	(0.01)	(0.23%)	4.90%
Sub-Total			22.60			23.42	0.81	3.59%	53.27%
Other Charges (kWh)	260	0.0135	3.51	262	0.0135	3.53	0.02	0.59%	8.04%
Cost of Power Commodity (kWh)	260	0.0570	14.83	262	0.0570	14.92	0.09	0.59%	33.93%
Total Bill Before Taxes			40.95			41.87	0.92	2.25%	95.24%
GST		5.00%	2.05		5.00%	2.09	0.05	2.25%	4.76%
Total Bill			42.99	·		43.96	0.92	2.14%	100.00%

# **RESIDENTIAL**

Consumption	
500 kWh	

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			16.07			17.03	0.96	5.97%	24.69%
Distribution (kWh)	500	0.0135	6.75	500	0.0142	7.10	0.35	5.19%	10.29%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	1.45%
LRAM & SSM Rider (kWh)	500			500	0.0000	0.00	0.00	0.00%	0.00%
Regulatory Assets (kWh)	500	0.0000	0.00	500	(0.0013)	(0.64)	(0.64)	100.00%	(0.92%)
Transmission Charges	520	0.0083	4.32	523	0.0082	4.31	(0.01)	(0.23%)	6.25%
Sub-Total			28.14			28.80	0.66	2.35%	41.75%
Other Charges (kWh)	520	0.0135	7.02	523	0.0135	7.07	0.04	0.59%	10.24%
Cost of Power Commodity (kWh)	520	0.0570	29.66	523	0.0570	29.83	0.18	0.59%	43.25%
Total Bill Before Taxes			64.82			65.70	0.88	1.36%	95.24%
GST		5.00%	3.24		5.00%	3.29	0.04	1.36%	4.76%
Total Bill			68.06			68.99	0.92	1.36%	100.00%

# **RESIDENTIAL**

Consumption	
600 kWh	

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			16.07			17.03	0.96	5.97%	39.28%
Distribution (kWh)	600	0.0135	8.10	600	0.0142	8.52	0.42	5.19%	19.65%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	2.31%
LRAM & SSM Rider (kWh)	600			600	0.0000	0.00	0.00	0.00%	0.00%
Regulatory Assets (kWh)	600	0.0000	0.00	600	(0.0013)	(0.76)	(0.76)	100.00%	(1.76%)
Transmission Charges	624	0.0083	5.18	628	0.0082	5.17	(0.01)	(0.23%)	11.93%
Sub-Total			30.35			30.96	0.60	1.99%	71.41%
Other Charges (kWh)	624	0.0135	8.43	628	0.0135	8.48	0.05	0.59%	19.56%
Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	78.89%
Cost of Power Commodity (kWh)	24	0.0660	1.61	28	0.0660	1.85	0.24	15.16%	4.27%

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d	GST	5.00%	4.78	5.00%	4.82	0.04	0.92%	4.76%
	Total Bill		100.34		101.26	0.92	0.92%	100.00%

	GST		5.00%	4.78		5.00%	4.82	0.04	0.92%	4.76%
	Total Bill			100.34			101.26	0.92	0.92%	100.00%
			RESIDE	NTIAL						
			2009 BI	LL		2010 BI	LL		IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			16.07			17.03	0.96	5.97%	13.82%
1,000 kWh	Distribution (kWh)	1,000	0.0135	13.50	1,000	0.0142	14.20	0.70	5.19%	11.52%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.81%
	LRAM & SSM Rider (kWh)	1,000			1,000	0.0000	0.00	0.00	0.00%	0.00%
	Regulatory Assets (kWh)	1,000	0.0000	0.00	1,000	(0.0013)	(1.27)	(1.27)	100.00%	(1.03%)
	Transmission Charges	1,041	0.0083	8.64	1,047	0.0082	8.62	(0.02)	(0.23%)	6.99%
	Sub-Total			39.21			39.57	0.37	0.93%	32.10%
	Other Charges (kWh)	1,041	0.0135	14.05	1,047	0.0135	14.13	0.08	0.59%	11.46%
	Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	27.75%
	Cost of Power Commodity (kWh)	441	0.0660	29.08	447	0.0660	29.49	0.41	1.40%	23.92%
	Total Bill Before Taxes			116.54			117.39	0.85	0.73%	95.24%
	GST		5.00%	5.83		5.00%	5.87	0.04	0.73%	4.76%
	Total Bill			122.36			123.26	0.90	0.73%	100.00%
			RESIDE	NTIAL						
			2009 BI	LL		2010 BI	LL		IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			16.07			17.03	0.96	5.97%	9.55%
1,500 kWh	Distribution (kWh)	1,500	0.0135	20.25	1,500	0.0142	21.30	1.05	5.19%	11.95%
	Smart Meter Rider (ner month)			1.00			1.00	0.00	0.00%	0.56%

			2009 BI	LL		2010 B	LL		IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			16.07			17.03	0.96	5.97%	9.55%
1,500 kWh	Distribution (kWh)	1,500	0.0135	20.25	1,500	0.0142	21.30	1.05	5.19%	11.95%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.56%
	LRAM & SSM Rider (kWh)	1,500			1,500	0.0000	0.00	0.00	0.00%	0.00%
	Regulatory Assets (kWh)	1,500	0.0000	0.00	1,500	(0.0013)	(1.91)	(1.91)	100.00%	(1.07%)
	Transmission Charges	1,561	0.0083	12.96	1,570	0.0082	12.93	(0.03)	(0.23%)	7.25%
	Sub-Total			50.28			50.34	0.07	0.13%	28.24%
	Other Charges (kWh)	1,561	0.0135	21.07	1,570	0.0135	21.20	0.12	0.59%	11.89%
	Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	19.19%
	Cost of Power Commodity (kWh)	961	0.0660	63.42	970	0.0660	64.03	0.61	0.96%	35.92%
	Total Bill Before Taxes			168.97			169.77	0.80	0.47%	95.24%
	GST		5.00%	8.45		5.00%	8.49	0.04	0.47%	4.76%
	Total Bill			177.42			178.26	0.84	0.47%	100.00%

		GENER.	AL SER\	/ICE < 50 k	W					
		2009 BILL 2010					) BILL		IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			29.78			32.94	3.16	10.61%	13.69%
2,000 kWh	Distribution (kWh)	2,000	0.0101	20.20	2,000	0.0112	22.40	2.20	10.89%	9.31%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.42%
	Regulatory Assets (kWh)	2,000	0.0000	0.00	2,000	(0.0013)	(2.66)	(2.66)	100.00%	(1.11%)
	Transmission Charges	2,081	0.0076	15.82	2,094	0.0075	15.78	(0.04)	(0.22%)	6.56%
	Sub-Total			66.80			69.46	2.67	3.99%	28.87%
	Other Charges (kWh)	2,081	0.0135	28.10	2,094	0.0135	28.26	0.17	0.59%	11.75%
	Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	17.77%
	Cost of Power Commodity (kWh)	1,331	0.0660	87.86	1,344	0.0660	88.68	0.81	0.93%	36.85%
	Total Bill Before Taxes			225.51			229.15	3.64	1.62%	95.24%
	GST		5.00%	11.28		5.00%	11.46	0.18	1.62%	4.76%
	Total Bill			236.78			240.61	3.83	1.62%	100.00%

		GENER	AL SERV	/ICE < 50	kW					
			2009 BI	LL		2010 BI	LL		IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			29.78			32.94	3.16	10.61%	7.28%
4,000 kWh	Distribution (kWh)	4,000	0.0101	40.40	4,000	0.0112	44.80	4.40	10.89%	9.90%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.22%
	Regulatory Assets (kWh)	4,000	0.0000	0.00	4,000	(0.0013)	(5.32)	(5.32)	100.00%	(1.17%)

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Other Charges (kWh)	4,163	0.0135	56.19	4,187	0.0135	56.53	0.33	0.59%	12.49%
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	9.44%
Cost of Power Commodity (kWh)	3,413	0.0660	225.23	3,437	0.0660	226.85	1.63	0.72%	50.11%
Total Bill Before Taxes			426.99			431.12	4.13	0.97%	95.24%
GST		5.00%	21.35		5.00%	21.56	0.21	0.97%	4.76%
Total Bill			448.34			452.67	4.34	0.97%	100.00%

CEN	FDAI	CEDVACE	E < 50 kW
GEN	EKAL	SERVILE	: < 5U K VV

Consumption
10,000 kWh

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			29.78			32.94	3.16	10.61%	3.03%
Distribution (kWh)	10,000	0.0101	101.00	10,000	0.0112	112.00	11.00	10.89%	10.29%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.09%
Regulatory Assets (kWh)	10,000	0.0000	0.00	10,000	(0.0013)	(13.30)	(13.30)	100.00%	(1.22%)
Transmission Charges	10,406	0.0076	79.09	10,468	0.0075	78.91	(0.18)	(0.22%)	7.25%
Sub-Total			210.87			211.56	0.69	0.33%	19.43%
Other Charges (kWh)	10,406	0.0135	140.49	10,468	0.0135	141.32	0.83	0.59%	12.98%
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	3.93%
Cost of Power Commodity (kWh)	9,656	0.0660	637.32	9,718	0.0660	641.38	4.06	0.64%	58.90%
Total Bill Before Taxes			1,031.42			1,037.01	5.58	0.54%	95.24%
GST		5.00%	51.57		5.00%	51.85	0.28	0.54%	4.76%
Total Bill			1,082.99			1,088.86	5.86	0.54%	100.00%

#### **GENERAL SERVICE < 50 kW**

Consumption	
12 500 kWh	

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			29.78			32.94	3.16	10.61%	2.43%
Distribution (kWh)	12,500	0.0101	126.25	12,500	0.0112	140.00	13.75	10.89%	10.34%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.07%
Regulatory Assets (kWh)	12,500	0.0000	0.00	12,500	(0.0013)	(16.62)	(16.62)	100.00%	(1.23%)
Transmission Charges	13,008	0.0076	98.86	13,085	0.0075	98.64	(0.22)	(0.22%)	7.29%
Sub-Total			255.89			255.96	0.07	0.03%	18.90%
Other Charges (kWh)	13,008	0.0135	175.61	13,085	0.0135	176.65	1.04	0.59%	13.05%
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	3.16%
Cost of Power Commodity (kWh)	12,258	0.0660	809.02	12,335	0.0660	814.10	5.08	0.63%	60.13%
Total Bill Before Taxes			1,283.27			1,289.46	6.19	0.48%	95.24%
GST		5.00%	64.16		5.00%	64.47	0.31	0.48%	4.76%
Total Bill			1,347.43			1,353.93	6.50	0.48%	100.00%

# GENERAL SERVICE < 50 kW

Consumption	
15,000 kWh	

		2009 BI	11		2010 B	11.1		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			29.78			32.94	3.16	10.61%	2.03%
Distribution (kWh)	15,000	0.0101	151.50	15,000	0.0112	168.00	16.50	10.89%	10.38%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.06%
Regulatory Assets (kWh)	15,000	0.0000	0.00	15,000	(0.0013)	(19.94)	(19.94)	100.00%	(1.23%)
Transmission Charges	15,610	0.0076	118.63	15,702	0.0075	118.37	(0.27)	(0.22%)	7.31%
Sub-Total			300.91			300.36	(0.55)	(0.18%)	18.55%
Other Charges (kWh)	15,610	0.0135	210.73	15,702	0.0135	211.98	1.25	0.59%	13.09%
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	2.64%
Cost of Power Commodity (kWh)	14,860	0.0660	980.73	14,952	0.0660	986.83	6.10	0.62%	60.95%
Total Bill Before Taxes			1,535.12			1,541.92	6.80	0.44%	95.24%
GST		5.00%	76.76		5.00%	77.10	0.34	0.44%	4.76%
Total Bill			1,611.88			1,619.01	7.14	0.44%	100.00%

#### **GENERAL SERVICE > 50 kW**

	2009 BI	LL		2010 B	ILL		IMPACT	
Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill

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Total Bill			1,347.49			1,422.28	74.79	5.55%	100.00%
GST		5.00%	64.17		5.00%	67.73	3.56	5.55%	4.76%
Total Bill Before Taxes			1,283.32			1,354.55	71.23	5.55%	95.24%
Cost of Power Commodity (kWh)	11,447	0.0607	695.06	11,447	0.0607	695.06	0.00	0.00%	48.87%
Other Charges (kWh)	11,447	0.0135	154.53	11,515	0.0135	155.45	0.91	0.59%	10.93%
Sub-Total			433.73			504.04	70.31	16.21%	35.44%
Transmission Charges	52	3.0368	158.01	52	3.0126	157.68	(0.33)	(0.21%)	11.09%
Regulatory Assets (kW)	50	0.0000	0.00	50	(0.5054)	(25.27)	(25.27)	100.00%	(1.78%)
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.07%

GENERAL SERVICE > 50 kW											
			2009 BI	LL		2010 B	ILL				
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Consumption	Monthly Service Charge			183.39			259.14	75.75	41.31%	2.67%	
100,000 kWh	Distribution (kWh)	100,000	0.0000	0.00	100,000	0.0000	0.00	0.00	0.00%	0.00%	
250 kW	Distribution (kW)	250	1.8266	456.65	250	2.2299	557.48	100.83	22.08%	5.74%	
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.01%	
	Regulatory Assets (kW)	250	0.0000	0.00	250	(0.5054)	(126.35)	(126.35)	100.00%	(1.30%)	
	Transmission Charges	260	3.0368	790.05	262	3.0126	788.39	(1.66)	(0.21%)	8.12%	
	Sub-Total			1,431.09			1,479.66	48.57	3.39%	15.24%	
	Other Charges (kWh)	104,063	0.0135	1,404.86	104,679	0.0135	1,413.17	8.31	0.59%	14.55%	
	Cost of Power Commodity (kWh)	104,063	0.0607	6,316.65	104,679	0.0607	6,354.04	37.38	0.59%	65.44%	
	Total Bill Before Taxes		•	9,152.60		,	9,246.87	94.27	1.03%	95.24%	
	GST		5.00%	457.63		5.00%	462.34	4.71	1.03%	4.76%	
	Total Bill		•	9,610.23		,	9,709.21	98.98	1.03%	100.00%	
		•	•	•			•	•			

		GENER	AL SER	/ICE > 50 k	w					
			2009 BI	LL		2010 B	ILL	IMPACT		
_		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			183.39			259.14	75.75	41.31%	1.35%
210,000 kWh	Distribution (kWh)	210,000	0.0000	0.00	210,000	0.0000	0.00	0.00	0.00%	0.00%
360 kW	Distribution (kW)	360	1.8266	657.58	360	2.2299	802.76	145.19	22.08%	4.17%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.01%
	Regulatory Assets (kW)	360	0.0000	0.00	360	(0.5054)	(181.94)	(181.94)	100.00%	(0.95%)
	Transmission Charges	375	3.0368	1,137.67	377	3.0126	1,135.28	(2.39)	(0.21%)	5.90%
	Sub-Total			1,979.64			2,016.25	36.61	1.85%	10.48%
	Other Charges (kWh)	218,533	0.0135	2,950.20	219,827	0.0135	2,967.66	17.46	0.59%	15.42%
	Cost of Power Commodity (kWh)	218,533	0.0607	13,264.97	219,827	0.0607	13,343.47	78.50	0.59%	69.34%
	Total Bill Before Taxes			18,194.81		·	18,327.38	132.58	0.73%	95.24%
	GST		5.00%	909.74		5.00%	916.37	6.63	0.73%	4.76%
	Total Bill			19,104.55			19,243.75	139.20	0.73%	100.00%

		GENER	AL SER	/ICE > 50 k	W					
			2009 BI	LL		2010 B	ILL	IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			183.39			259.14	75.75	41.31%	0.70%
400,000 kWh	Distribution (kWh)	400,000	0.0000	0.00	400,000	0.0000	0.00	0.00	0.00%	0.00%
800 kW	Distribution (kW)	800	1.8266	1,461.28	800	2.2299	1,783.92	322.64	22.08%	4.82%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.00%
	Regulatory Assets (kW)	800	0.0000	0.00	800	(0.5054)	(404.31)	(404.31)	100.00%	(1.09%)
	Transmission Charges	833	3.0368	2,528.16	837	3.0126	2,522.85	(5.31)	(0.21%)	6.82%
	Sub-Total			4,173.83			4,162.60	(11.22)	(0.27%)	11.25%
	Other Charges (kWh)	416,254	0.0135	5,619.43	418,717	0.0135	5,652.68	33.26	0.59%	15.28%
	Cost of Power Commodity (kWh)	416,254	0.0607	25,266.61	418,717	0.0607	25,416.14	149.53	0.59%	68.71%
	Total Bill Before Taxes		•	35,059.86		·	35,231.43	171.56	0.49%	95.24%
	GST		5.00%	1,752.99		5.00%	1,761.57	8.58	0.49%	4.76%
	Total Bill		•	36,812.86			36,993.00	180.14	0.49%	100.00%

GENERAL SERVICE > 50 kW										
		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			183.39			259.14	75.75	41.31%	0.34%

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Street Lighting											
			2009 BI	LL		2010 B	LL	IMPACT			
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bi	
Billing Determinants	Monthly Service Charge	2,602	0.0400	104.08	2,602	0.79	2,064.95	1,960.87	1,884.00%	12.00%	
2,602 Connections	Distribution (kWh)	141,913	0.0000	0.00	141,913	0.0000	0.00	0.00	0.00%	0.00%	
141,913 kWh	Distribution (kW)	379	0.6418	243.43	379	4.7059	1,784.95	1,541.51	633.23%	10.37%	
379 kW	Regulatory Assets (kW)	379	0.0000	0.00	379	(0.4492)	(170.40)	(170.40)	100.00%	(0.99%)	
	Transmission Charges	395	2.3110	912.18	397	2.2923	910.15	(2.03)	(0.22%)	5.29%	
	Sub-Total			1,259.70			4,589.65	3,329.95	264.35%	26.66%	
	Other Charges (kWh)	147,679	0.0135	1,993.67	148,553	0.0135	2,005.47	11.80	0.59%	11.65%	
	Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	0.25%	
	Cost of Power Commodity (kWh)	146,929	0.0660	9,697.34	147,803	0.0660	9,755.02	57.68	0.59%	56.67%	
	Total Bill Before Taxes			12,993.45			16,392.89	3,399.43	26.16%	95.24%	
	GST		5.00%	649.67		5.00%	819.64	169.97	26.16%	4.76%	
	Total Bill			13,643.13			17,212.53	3,569.41	26.16%	100.00%	

	Street Lighting										
			2009 BI	LL	2010 BILL			IMPACT			
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Billing Determinants	Monthly Service Charge	1	0.0400	0.04	1	0.79	0.79	0.75	1,884.00%	12.54%	
1 Connections	Distribution (kWh)	55	0.0000	0.00	55	0.0000	0.00	0.00	0.00%	0.00%	
54.54 kWh	Distribution (kW)	0.15	0.6418	0.10	0.15	4.7059	0.71	0.61	633.23%	11.15%	
0.15 kW	Regulatory Assets (kW)	0.15	0.0000	0.00	0.15	(0.4492)	(0.07)	(0.07)	100.00%	(1.06%)	
	Transmission Charges	0.16	2.3110	0.36	0.16	2.2923	0.36	(0.00)	(0.22%)	5.69%	
	Sub-Total			0.50			1.79	1.30	260.57%	28.31%	
	Other Charges (kWh)	57	0.0135	0.77	57	0.0135	0.77	0.00	0.59%	12.18%	
	Cost of Power Commodity (kWh)	57	0.0607	3.45	57	0.0607	3.47	0.02	0.59%	54.75%	
	Total Bill Before Taxes			4.71		·	6.03	1.32	28.03%	95.24%	
	GST		5.00%	0.24		5.00%	0.30	0.07	28.03%	4.76%	
	Total Bill			4.94			6.33	1.39	28.03%	100.00%	

	Sentinel Lighting											
			2009 BI	LL	2010 BILL			IMPACT				
				CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill		
Billing Determinants	Monthly Service Charge	177	0.4000	70.80	177	1.87	331.03	260.23	367.55%	20.03%		
177 Connections	Distribution (kWh)	12,062	0.0000	0.00	12,062	0.0000	0.00	0.00	0.00%	0.00%		
12,062 kWh	Distribution (kW)	32	1.9320	61.82	32	7.6167	243.73	181.91	294.24%	14.75%		
32 kW	Regulatory Assets (kW)	32	0.0000	0.00	32	(0.4833)	(15.46)	(15.46)	100.00%	(0.94%)		
	Transmission Charges	33.30	2.3362	77.80	33.50	2.3171	77.62	(0.18)	(0.23%)	4.70%		
	Sub-Total			210.42			636.91	426.49	202.69%	38.54%		
	Other Charges (kWh)	12,552	0.0135	169.45	12,626	0.0135	170.45	1.00	0.59%	10.32%		
	Cost of Power Commodity (kWh)	12,552	0.0607	761.89	12,626	0.0607	766.40	4.51	0.59%	46.38%		
	Total Bill Before Taxes			1,141.76			1,573.76	432.00	37.84%	95.24%		
	GST		5.00%	57.09		5.00%	78.69	21.60	37.84%	4.76%		
	Total Bill			1,198.85			1,652.45	453.60	37.84%	100.00%		

Sentinel Lighting		
2009 BILL	2010 BILL	IMPACT

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68.15 kWh	Distribution (kW)	0.18	1.9320	0.35	0.18	7.6167	1.37	1.02	294.24%	14.70%
0.18 kW	Regulatory Assets (kW)		0.0000	0.00	0.18	(0.4833)	(0.09)	(0.09)	100.00%	(0.93%)
	Transmission Charges		2.3362	0.44	0.19	2.3171	0.44	(0.00)	(0.23%)	4.68%
	Sub-Total Sub-Total			1.19			3.59	2.41	202.93%	38.49%
	Other Charges (kWh)	71	0.0135	0.96	71	0.0135	0.96	0.01	0.59%	10.32%
	Cost of Power Commodity (kWh)	71	0.0607	4.30	71	0.0607	4.33	0.03	0.59%	46.42%
	Total Bill Before Taxes			6.45			8.88	2.44	37.79%	95.24%
	GST		5.00%	0.32		5.00%	0.44	0.12	37.79%	4.76%
	Total Bill			6.77			9.33	2.56	37.79%	100.00%

		Unn	netered	Scattered						
			2009 BI	LL	2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Consumption	Monthly Service Charge	1	29.7800	29.78	57	6.2755	357.70	327.92	1,101.15%	9.87%
57 Connections	Distribution (kWh)	32,685	0.0101	330.12	32,685	0.0100	326.85	(3.27)	(0.99%)	9.02%
32,685 kWh	Regulatory Assets (kW)	0	0.0000	0.00	32,685	(0.0010)	(31.16)	(31.16)	100.00%	(0.86%)
	Transmission Charges	34,013	0.0076	258.50	34,215	0.0075	257.92	(0.58)	(0.22%)	7.12%
	Sub-Total			618.40			911.32	292.92	47.37%	25.16%
	Other Charges (kWh)	34,013	0.0135	459.18	34,215	0.0135	461.90	2.72	0.59%	12.75%
	Cost of Power Commodity (kWh)	34,013	0.0607	2,064.61	34,215	0.0607	2,076.83	12.22	0.59%	57.33%
	Total Bill Before Taxes			3,142.19			3,450.05	307.86	9.80%	95.24%
	GST		5.00%	157.11		5.00%	172.50	15.39	9.80%	4.76%
	Total Bill			3,299.30			3,622.55	323.25	9.80%	100.00%

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#### **GRAND VALLEY RESIDENTIAL**

			2009 BI	LL		2010 B	LL		IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			13.30			17.03	3.73	28.05%	57.06%
100 kWh	Distribution (kWh)	100	0.0163	1.63	100	0.0142	1.42	(0.21)	(12.88%)	4.76%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	3.35%
	LRAM & SSM Rider (kWh)	100	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%
	Regulatory Assets (kWh)	100	0.0000	0.00	100	(0.0013)	(0.13)	(0.13)	100.00%	(0.43%)
	Transmission Charges	106	0.0084	0.89	105	0.0082	0.86	(0.03)	(3.33%)	2.89%
	Sub-Total Sub-Total			16.82			20.18	3.36	19.99%	67.63%
	Other Charges (kWh)	106	0.0219	2.32	105	0.0217	2.27	(0.05)	(2.11%)	7.62%
	Cost of Power Commodity (kWh)	106	0.0570	6.05	105	0.0570	5.97	(0.08)	(1.35%)	19.99%
	Total Bill Before Taxes			25.19			28.43	3.23	12.83%	95.24%
	GST		5.00%	1.26		5.00%	1.42	0.16	12.83%	4.76%
	Total Bill			26.45			29.85	3.39	12.83%	100.00%

# **RESIDENTIAL**

Consumption
250 kWh

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			13.30			17.03	3.73	28.05%	38.74%
Distribution (kWh)	250	0.0163	4.08	250	0.0142	3.55	(0.52)	(12.88%)	8.08%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	2.27%
LRAM & SSM Rider (kWh)	250	0.0000	0.00	250	0.0000	0.00	0.00	0.00%	0.00%
Regulatory Assets (kWh)	250	0.0000	0.00	250	(0.0013)	(0.32)	(0.32)	100.00%	(0.72%)
Transmission Charges	265	0.0084	2.23	262	0.0082	2.15	(0.07)	(3.33%)	4.90%
Sub-Total Sub-Total			20.60			23.42	2.81	13.65%	53.27%
Other Charges (kWh)	265	0.0135	3.58	262	0.0135	3.53	(0.05)	(1.35%)	8.04%
Cost of Power Commodity (kWh)	265	0.0570	15.12	262	0.0570	14.92	(0.20)	(1.35%)	33.93%
Total Bill Before Taxes			39.31			41.87	2.56	6.51%	95.24%
GST		5.00%	1.97		5.00%	2.09	0.13	6.51%	4.76%
Total Bill		, and the second	41.27	, and the second	Ť	43.96	2.56	6.20%	100.00%

# RESIDENTIAL

Consumption
500 kWh

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			13.30			17.03	3.73	28.05%	24.69%
Distribution (kWh)	500	0.0163	8.15	500	0.0142	7.10	(1.05)	(12.88%)	10.29%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	1.45%
LRAM & SSM Rider (kWh)	500	0.0000	0.00	500	0.0000	0.00	0.00	0.00%	0.00%
Regulatory Assets (kWh)	500	0.0000	0.00	500	(0.0013)	(0.64)	(0.64)	100.00%	(0.92%)
Transmission Charges	531	0.0084	4.46	523	0.0082	4.31	(0.15)	(3.33%)	6.25%
Sub-Total			26.91			28.80	1.89	7.04%	41.75%
Other Charges (kWh)	531	0.0135	7.16	523	0.0135	7.07	(0.10)	(1.35%)	10.24%
Cost of Power Commodity (kWh)	531	0.0570	30.24	523	0.0570	29.83	(0.41)	(1.35%)	43.25%
Total Bill Before Taxes			64.31			65.70	1.39	2.16%	95.24%
GST		5.00%	3.22		5.00%	3.29	0.07	2.16%	4.76%
Total Bill	·	·	67.53		·	68.99	1.46	2.16%	100.00%

# RESIDENTIAL

Consumption
600 kWh

		2009 BILL			2010 B	ILL	IMPACT			
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Monthly Service Charge			13.30			17.03	3.73	28.05%	39.28%	
Distribution (kWh)	600	0.0163	9.78	600	0.0142	8.52	(1.26)	(12.88%)	19.65%	
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	2.31%	
LRAM & SSM Rider (kWh)	600	0.0000	0.00	600	0.0000	0.00	0.00	0.00%	0.00%	
Regulatory Assets (kWh)	600	0.0000	0.00	600	(0.0013)	(0.76)	(0.76)	100.00%	(1.76%)	
Transmission Charges	637	0.0084	5.35	628	0.0082	5.17	(0.18)	(3.33%)	11.93%	
Sub-Total			29.43			30.96	1.53	5.19%	71.41%	
Other Charges (kWh)	637	0.0135	8.60	628	0.0135	8.48	(0.12)	(1.35%)	19.56%	
Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	78.89%	

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	Total Bill			42.47			43.35	0.88	2.08%	100.00%
			RESIDE	NTIAL						
			2009 BI	LL		2010 B	ILL		IMPACT	
		Volume	RATE	CHARGE	Volume	RATE	CHARGE	Change	Change	% of Total Bill
Consumption	Monthly Service Charge		<b>\$</b>	13.30		\$	17.03	3.73	28.05%	16.82%
800 kWh	Distribution (kWh)	800	0.0163	13.04	800	0.0142	11.36	(1.68)	(12.88%)	11.22%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.99%
	LRAM & SSM Rider (kWh)	800	0.0000	0.00	800	0.0000	0.00	0.00	0.00%	0.00%
	Regulatory Assets (kWh)	800	0.0000	0.00	800	(0.0013)	(1.02)	(1.02)	100.00%	(1.01%)
	Transmission Charges	849	0.0084	7.13	837	0.0082	6.89	(0.24)	(3.33%)	6.81%
	Sub-Total			34.47			35.26	0.79	2.30%	34.82%
	Other Charges (kWh)	849	0.0135	11.46	837	0.0135	11.31	(0.16)	(1.35%)	11.16%
	Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	33.77%
	Cost of Power Commodity (kWh)	249	0.0660	16.43	237	0.0660	15.67	(0.76)	(4.62%)	15.48%
	Total Bill Before Taxes			96.56			96.44	(0.12)	(0.12%)	95.24%
	GST		5.00%	4.83		5.00%	4.82	(0.01)	(0.12%)	4.76%
	Total Bill			101.39			101.26	(0.13)	(0.12%)	100.00%
								V/		
			RESIDE	MTIAI						
			KESIDEI	VIIAL						
			2009 BI	LL		2010 B	ILL		IMPACT	
		Volume	RATE	CHARGE	Volume	RATE	CHARGE	Change	Change	% of Total Bill
		Volume	\$	\$	Volume	\$	\$	\$	%	
Consumption	Monthly Service Charge			13.30			17.03	3.73	28.05%	13.82%
1,000 kWh	Distribution (kWh)	1,000	0.0163	16.30	1,000	0.0142	14.20	(2.10)	(12.88%)	11.52%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.81%
	LRAM & SSM Rider (kWh)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	0.00%	0.00%
	Regulatory Assets (kWh)	1,000	0.0000	0.00	1,000	(0.0013)	(1.27)	(1.27)	100.00%	(1.03%)
	Transmission Charges	1,061	0.0084	8.91	1,047	0.0082	8.62	(0.30)	(3.33%)	6.99%
	Sub-Total			39.51			39.57	0.06	0.15%	32.10%
	Other Charges (kWh)	1,061	0.0135	14.33	1,047	0.0135	14.13	(0.19)	(1.35%)	11.46%
	Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	27.75%
	Cost of Power Commodity (kWh)	461	0.0660	30.44	447	0.0660	29.49	(0.95)	(3.11%)	23.92%
	Total Bill Before Taxes			118.48			117.39	(1.08)	(0.91%)	95.24%
	GST		5.00%	5.92		5.00%	5.87	(0.05)	(0.91%)	4.76%
	Total Bill			124.40			123.26	(1.14)	(0.91%)	100.00%
			RESIDE	NTIAL						
			2009 BI	11		2010 B	11.1		IMPACT	
		Volume	RATE	CHARGE	Volume	RATE	CHARGE	Change	Change	% of Total Bill
		Volume	\$	\$	Volume	\$	\$	\$	%	
Consumption	Monthly Service Charge			13.30			17.03	3.73	28.05%	9.55%
1,500 kWh	Distribution (kWh)	1,500	0.0163	24.45	1,500	0.0142	21.30	(3.15)	(12.88%)	11.95%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.56%
	LRAM & SSM Rider (kWh)	1,500	0.0000	0.00	1,500	0.0000	0.00	0.00	0.00%	0.00%
	Regulatory Assets (kWh)	1,500	0.0000	0.00	1,500	(0.0013)	(1.91)	(1.91)	100.00%	(1.07%)
	Transmission Charges	1,592	0.0084	13.37	1,570	0.0082	12.93	(0.45)	(3.33%)	7.25%
	Sub-Total			52.12			50.34	(1.78)	(3.41%)	28.24%
	Other Charges (kWh)	1,592	0.0135	21.49	1,570	0.0135	21.20	(0.29)	(1.35%)	11.89%
	Cost of Power Commodity (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	19.19%
	Cost of Power Commodity (kWh)	992	0.0660	65.45	970	0.0660	64.03	(1.42)	(2.17%)	35.92%
	Total Bill Before Taxes			173.26			169.77	(3.49)	(2.01%)	95.24%
	GST		5.00%	8.66		5.00%	8.49	(0.17)	(2.01%)	4.76%
	Total Bill			181.93			178.26	(3.66)	(2.01%)	100.00%
			'							

**GENERAL SERVICE < 50 kW** 

Consumption	Mo
2,000 kWh	Dis
	Sm

	2009 BILL				2010 B	ILL	IMPACT			
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Monthly Service Charge			21.36			32.94	11.58	54.21%	13.69%	
Distribution (kWh)	2,000	0.0141	28.20	2,000	0.0112	22.40	(5.80)	(20.57%)	9.31%	
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.42%	
Regulatory Assets (kWh)	2,000	0.0000	0.00	2,000	(0.0013)	(2.66)	(2.66)	100.00%	(1.11%)	

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Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	17.77%
Cost of Power Commodity (kWh)	1,331	0.0660	87.86	1,344	0.0660	88.68	0.81	0.93%	36.85%
Total Bill Before Taxes			225.09			229.15	4.06	1.81%	95.24%
GST		5.00%	11.25		5.00%	11.46	0.20	1.81%	4.76%
Total Bill			236.34			240.61	4.27	1.81%	100.00%

# Consumption 4,000 kWh

		2009 BI	LL		2010 B	ILL	IMPACT			
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Monthly Service Charge			21.36			32.94	11.58	54.21%	7.28%	
Distribution (kWh)	4,000	0.0141	56.40	4,000	0.0112	44.80	(11.60)	(20.57%)	9.90%	
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.22%	
Regulatory Assets (kWh)	4,000	0.0000	0.00	4,000	(0.0013)	(5.32)	(5.32)	100.00%	(1.17%)	
Transmission Charges	4,163	0.0076	31.64	4,187	0.0075	31.56	(0.07)	(0.22%)	6.97%	
Sub-Total			110.40			104.99	(5.41)	(4.90%)	23.19%	
Other Charges (kWh)	4,163	0.0135	56.19	4,187	0.0135	56.53	0.33	0.59%	12.49%	
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	9.44%	
Cost of Power Commodity (kWh)	3,413	0.0660	225.23	3,437	0.0660	226.85	1.63	0.72%	50.11%	
Total Bill Before Taxes			434.57			431.12	(3.45)	(0.79%)	95.24%	
GST		5.00%	21.73		5.00%	21.56	(0.17)	(0.79%)	4.76%	
Total Bill		•	456.30		•	452.67	(3.62)	(0.79%)	100.00%	

# **GENERAL SERVICE < 50 kW**

**GENERAL SERVICE < 50 kW** 

Consumption
10 000 kWh

	2009 BILL				2010 B	ILL	IMPACT			
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill	
Monthly Service Charge			21.36			32.94	11.58	54.21%	3.03%	
Distribution (kWh)	10,000	0.0141	141.00	10,000	0.0112	112.00	(29.00)	(20.57%)	10.29%	
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.09%	
Regulatory Assets (kWh)	10,000	0.0000	0.00	10,000	(0.0013)	(13.30)	(13.30)	100.00%	(1.22%)	
Transmission Charges	10,406	0.0076	79.09	10,468	0.0075	78.91	(0.18)	(0.22%)	7.25%	
Sub-Total			242.45			211.56	(30.89)	(12.74%)	19.43%	
Other Charges (kWh)	10,406	0.0135	140.49	10,468	0.0135	141.32	0.83	0.59%	12.98%	
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	3.93%	
Cost of Power Commodity (kWh)	9,656	0.0660	637.32	9,718	0.0660	641.38	4.06	0.64%	58.90%	
Total Bill Before Taxes			1,063.00			1,037.01	(26.00)	(2.45%)	95.24%	
GST		5.00%	53.15		5.00%	51.85	(1.30)	(2.45%)	4.76%	
Total Bill			1,116.15			1,088.86	(27.30)	(2.45%)	100.00%	

#### **GENERAL SERVICE < 50 kW**

Consumption	
12,500 kWh	

		2009 BI	LL		2010 B	ILL	IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			21.36			32.94	11.58	54.21%	2.43%
Distribution (kWh)	12,500	0.0141	176.25	12,500	0.0112	140.00	(36.25)	(20.57%)	10.34%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.07%
Regulatory Assets (kWh)	12,500	0.0000	0.00	12,500	(0.0013)	(16.62)	(16.62)	100.00%	(1.23%)
Transmission Charges	13,008	0.0076	98.86	13,085	0.0075	98.64	(0.22)	(0.22%)	7.29%
Sub-Total			297.47			255.96	(41.51)	(13.95%)	18.90%
Other Charges (kWh)	13,008	0.0135	175.61	13,085	0.0135	176.65	1.04	0.59%	13.05%
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	3.16%
Cost of Power Commodity (kWh)	12,258	0.0660	809.02	12,335	0.0660	814.10	5.08	0.63%	60.13%
Total Bill Before Taxes			1,324.85			1,289.46	(35.39)	(2.67%)	95.24%
GST		5.00%	66.24	·	5.00%	64.47	(1.77)	(2.67%)	4.76%
Total Bill			1,391.09		_	1,353.93	(37.16)	(2.67%)	100.00%

# **GENERAL SERVICE < 50 kW**

		2009 BILL			2010 BILL			IMPACT		
	_	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			21.36			32.94	11.58	54.21%	2.03%

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Regulatory Assets (kWh)	15,000	0.0000	0.00	15,000	(0.0013)	(19.94)	(19.94)	100.00%	(1.23%)
Transmission Charges	15,610	0.0076	118.63	15,702	0.0075	118.37	(0.27)	(0.22%)	7.31%
Sub-Total			352.49			300.36	(52.13)	(14.79%)	18.55%
Other Charges (kWh)	15,610	0.0135	210.73	15,702	0.0135	211.98	1.25	0.59%	13.09%
Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	2.64%
Cost of Power Commodity (kWh)	14,860	0.0660	980.73	14,952	0.0660	986.83	6.10	0.62%	60.95%
Total Bill Before Taxes			1,586.70			1,541.92	(44.78)	(2.82%)	95.24%
GST		5.00%	79.33		5.00%	77.10	(2.24)	(2.82%)	4.76%
Total Bill			1,666.03			1,619.01	(47.02)	(2.82%)	100.00%

#### **GENERAL SERVICE > 50 kW**

Consumption
2,175 kWh
60 kW

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			232.99			259.14	26.15	11.22%	34.60%
Distribution (kWh)	2,175	0.0000	0.00	2,175	0.0000	0.00	0.00	0.00%	0.00%
Distribution (kW)	60	3.9508	237.05	60	2.2299	133.79	(103.25)	(43.56%)	17.86%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.13%
Regulatory Assets (kW)	60	0.0000	0.00	60	(0.5054)	(30.32)	(30.32)	100.00%	(4.05%)
Transmission Charges	60	2.9585	177.51	60	3.0126	180.76	3.25	1.83%	24.13%
Sub-Total			648.55			544.37	(104.18)	(16.06%)	72.68%
Other Charges (kWh)	2,308	0.0135	31.16	2,277	0.0135	30.74	(0.42)	(1.35%)	4.10%
Cost of Power Commodity (kWh)	2,308	0.0607	140.14	2,277	0.0607	138.25	(1.90)	(1.35%)	18.46%
Total Bill Before Taxes			819.85			713.35	(106.50)	(12.99%)	95.24%
GST		5.00%	40.99		5.00%	35.67	(5.32)	(12.99%)	4.76%
Total Bill			860.84			749.02	(111.82)	(12.99%)	100.00%

# **GENERAL SERVICE > 50 kW**

Consumption
6,450 kWh
65 kW

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			232.99			259.14	26.15	11.22%	23.08%
Distribution (kWh)	6,450	0.0000	0.00	6,450	0.0000	0.00	0.00	0.00%	0.00%
Distribution (kW)	65	3.9508	256.80	65	2.2299	144.94	(111.86)	(43.56%)	12.91%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.09%
Regulatory Assets (kW)	65	0.0000	0.00	65	(0.5054)	(32.85)	(32.85)	100.00%	(2.93%)
Transmission Charges	65	2.9585	192.30	65	3.0126	195.82	3.52	1.83%	17.44%
Sub-Total			683.09			568.05	(115.04)	(16.84%)	50.60%
Other Charges (kWh)	6,844	0.0135	92.40	6,752	0.0135	91.15	(1.25)	(1.35%)	8.12%
Cost of Power Commodity (kWh)	6,844	0.0607	415.59	6,752	0.0607	409.97	(5.62)	(1.35%)	36.52%
Total Bill Before Taxes			1,191.09			1,069.17	(121.92)	(10.24%)	95.24%
GST		5.00%	59.55		5.00%	53.46	(6.10)	(10.24%)	4.76%
Total Bill			1,250.64			1,122.63	(128.01)	(10.24%)	100.00%

#### **GENERAL SERVICE > 50 kW**

Consumption
15,280 kWh
60 kW

		2009 BI	LL		2010 B	ILL		IMPACT	
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Monthly Service Charge			232.99			259.14	26.15	11.22%	14.25%
Distribution (kWh)	15,280	0.0000	0.00	15,280	0.0000	0.00	0.00	0.00%	0.00%
Distribution (kW)	60	3.9508	237.05	60	2.2299	133.79	(103.25)	(43.56%)	7.36%
Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.06%
Regulatory Assets (kW)	60	0.0000	0.00	60	(0.5054)	(30.32)	(30.32)	100.00%	(1.67%)
Transmission Charges	60	2.9585	177.51	60	3.0126	180.76	3.25	1.83%	9.94%
Sub-Total			648.55			544.37	(104.18)	(16.06%)	29.94%
Other Charges (kWh)	16,214	0.0135	218.89	15,995	0.0135	215.93	(2.96)	(1.35%)	11.88%
Cost of Power Commodity (kWh)	16,214	0.0607	984.54	15,995	0.0607	971.22	(13.32)	(1.35%)	53.42%
Total Bill Before Taxes			1,851.98			1,731.52	(120.47)	(6.50%)	95.24%
GST		5.00%	92.60		5.00%	86.58	(6.02)	(6.50%)	4.76%
Total Bill			1,944.58			1,818.09	(126.49)	(6.50%)	100.00%

#### **GENERAL SERVICE > 50 kW**

2009 BILL				2010 B	ILL	IMPACT					
Volume	RATE	CHARGE	Volume	RATE	CHARGE	Change \$	Change %	% of Total Bill			

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125 kW	Distribution (kW)	125	3.9508	493.85	125	2.2299	278.74	(215.11)	(43.56%)	6.70%
	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.02%
	Regulatory Assets (kW)	125	0.0000	0.00	125	(0.5054)	(63.17)	(63.17)	100.00%	(1.52%)
	Transmission Charges	125	2.9585	369.81	125	3.0126	376.57	6.76	1.83%	9.06%
	Sub-Total Sub-Total			1,097.65			852.28	(245.37)	(22.35%)	20.50%
	Other Charges (kWh)	42,446	0.0135	573.02	41,872	0.0135	565.27	(7.75)	(1.35%)	13.59%
	Cost of Power Commodity (kWh)	42,446	0.0607	2,577.33	41,872	0.0607	2,542.45	(34.88)	(1.35%)	61.15%
	Total Bill Before Taxes			4,248.01			3,960.00	(288.01)	(6.78%)	95.24%
	GST		5.00%	212.40		5.00%	198.00	(14.40)	(6.78%)	4.76%
	Total Bill			4,460.41			4,158.00	(302.41)	(6.78%)	100.00%

		GENER	AL SERV	/ICE > 50 k	:W					
			2009 BI	LL		2010 BI	LL	IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			232.99			259.14	26.15	11.22%	12.43%
47,000 kWh	Distribution (kWh)	47,000	0.0000	0.00	47,000	0.0000	0.00	0.00	0.00%	0.00%
100 kW	Distribution (kW)	100	3.9508	395.08	100	2.2299	222.99	(172.09)	(43.56%)	10.70%
•	Smart Meter Rider (per month)			1.00			1.00	0.00	0.00%	0.05%
	Transformer Credit	4,000	(0.6000)	(2,400.00)	4,000	(0.6000)	(2,400.00)	0.00	0.00%	(115.12%)
	Regulatory Assets (kW)	100	0.0000	0.00	100	(0.5054)	(50.54)	(50.54)	100.00%	(2.42%)
	Transmission Charges	100	2.9585	295.85	100	3.0126	301.26	5.41	1.83%	14.45%
	Sub-Total			(1,475.08)			(1,666.15)	(191.07)	12.95%	(79.92%)
	Other Charges (kWh)	49,874	0.0135	673.30	49,199	0.0135	664.19	(9.11)	(1.35%)	31.86%
	Cost of Power Commodity (kWh)	49,874	0.0607	3,028.36	49,199	0.0607	2,987.38	(40.98)	(1.35%)	143.30%
	Total Bill Before Taxes			2,226.59			1,985.42	(241.16)	(10.83%)	95.24%
	GST		5.00%	111.33		5.00%	99.27	(12.06)	(10.83%)	4.76%
	Total Bill			2,337.91			2,084.69	(253.22)	(10.83%)	100.00%

	Street Lighting												
			2009 BI	LL		2010 B	ILL	IMPACT					
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill			
Billing Determinants	Monthly Service Charge	152	0.9300	141.36	152	0.7936	120.63	(20.73)	(14.67%)	11.40%			
152 Connections	Distribution (kWh)	8,863	0.0000	0.00	8,863	0.0000	0.00	0.00	0.00%	0.00%			
8,863 kWh	Distribution (kW)	24	5.8417	139.62	24	4.7059	112.47	(27.15)	(19.44%)	10.63%			
24 kW	Regulatory Assets (kW)	24	0.0000	0.00	24	(0.4492)	(10.74)	(10.74)	100.00%	(1.01%)			
	Transmission Charges	24	2.9585	70.71	24	2.2923	54.79	(15.92)	(22.52%)	5.18%			
	Sub-Total			351.68			277.15	(74.54)	(21.19%)	26.19%			
	Other Charges (kWh)	9,405	0.0135	126.97	9,278	0.0135	125.25	(1.72)	(1.35%)	11.83%			
	Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	4.04%			
	Cost of Power Commodity (kWh)	8,655	0.0660	571.23	8,528	0.0660	562.83	(8.40)	(1.47%)	53.18%			
	Total Bill Before Taxes			1,092.63			1,007.98	(84.66)	(7.75%)	95.24%			
	GST		5.00%	54.63		5.00%	50.40	(4.23)	(7.75%)	4.76%			
	Total Bill			1,147.26			1,058.38	(88.89)	(7.75%)	100.00%			

Street Lighting											
1		2009 BI	LL		2010 B	ILL		IMPACT			
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill		

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		Unn	netered	Scattered								
		2009 BILL 2010 BILL IMPACT										
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill		
Billing Determinants	Monthly Service Charge	3	21.36	64.08	3	6.28	18.83	(45.25)	(70.62%)	11.60%		
3 Connections	Distribution (kWh)	1,496	0.0141	21.09	1,496	0.0100	14.96	(6.13)	(29.08%)	9.22%		
1,496.00 kWh	Regulatory Assets (kW)	0	0.0000	0.00	1,496	(0.0010)	(1.43)	(1.43)	100.00%	(0.88%)		
	Transmission Charges	1,587	0.0075	11.97	1,566	0.0075	11.81	(0.16)	(1.35%)	7.27%		
	Sub-Total			97.14			44.17	(52.98)	(54.53%)	27.21%		
	Other Charges (kWh)	1,587	0.0135	21.43	1,566	0.0135	21.14	(0.29)	(1.35%)	13.03%		
	Cost of Power Commodity (kWh)	1,587	0.0570	90.49	1,566	0.0570	89.26	(1.22)	(1.35%)	55.00%		
	Total Bill Before Taxes			209.06			154.57	(54.49)	(26.06%)	95.24%		
	GST		5.00%	10.45		5.00%	7.73	(2.72)	(26.06%)	4.76%		
	Total Bill			219.51			162.30	(57.21)	(26.06%)	100.00%		

# **Unmetered Scattered**