1	EB-2010-0131
2	IN THE MATTER OF the Ontario Energy Board Act, 1998,
3	being Schedule B to the Energy Competition Act, 1998 S.O.
4	1998, c. 15;
5	AND IN THE MATTER OF an Application by Horizon Utilities
6	Corporation to the Ontario Energy Board for an Order or
7	Orders approving of fixing just and reasonable rates and
8	other service charges for the distribution of Electricity as of
9	January 1, 2011.
10	HORIZON UTILITIES CORPORATION ("HORIZON UTILITIES")
11	RESPONSES TO
12	BOARD STAFF INTERROGATORIES ON REVISED EVIDENCE
13	DELIVERED: April 1 <sup>st</sup> , 2011

#### 14 Question 1

- 15 **Reference: E7/T1/S1/P4-5**
- Horizon is requesting that it be granted leave to revise its cost allocation and distribution rates for street lighting at the first opportunity for a rate adjustment following the completion of a street lighting study which will assess street lighting rates based on connections as opposed to luminaries. Depending on the timing of the street lighting study, Horizon would potentially be updating its cost allocation model and rates in its 20 2010 3<sup>rd</sup> generation IRM application.
- 22 **a)** Please confirm that an update to the cost allocation model to address the street lighting issue noted above would result in changes to other rate classes.
- 24 **b)** Please explain why Horizon is of the view that the Board could allow this adjustment to be in scope of IRM adjustment.
- c) Please explain why Horizon was unable to provide a completed street lighting study with its 2011 Cost of Service application.

EB- 2010-0131 Horizon Utilities Corporation Responses to Board Staff Interrogatories on Revised Evidence Delivered: April 1, 2011

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#### Response:

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2 a) Horizon Utilities confirms that an update to the cost allocation model to address

the street lighting issue noted in the interrogatory above would result in changes to the

4 other rate classes.

5 **b)** The IRM is not so rigid as to not allow for adjustments such as the one that

6 Horizon Utilities is seeking. Such is evidenced by prior decisions of the Board in which

the Board has allowed additional changes to be made to revenue-to-cost ratios and

street lighting in particular when those ratios would be outside the Board's target ranges

during the IRM period. The Board took this approach in its decision in Horizon Utilities'

2008 EDR Cost of Service Application (EB-2007-0697), in which at page 28 of the

Decision, the Board stated that "The Board concludes that the Streetlighting class

should be moved closer to the Board target range. This is consistent with other recent

Board decisions on this issue. The revenue to cost ratio will be 43% for Streetlighting in

14 2008. The Board notes that Horizon did not object to this approach. The Board further

directs Horizon to move the ratio to 70% as part of its 2009 IRM application." The

Board has taken a similar approach in the Decisions on other Cost of Service

17 Applications such as Norfolk Power Distribution Inc.'s 2008 EDR Cost of Service

Application where at page 27 of that Decision the Board stated that "The Board expects"

the Applicant to achieve the remaining 50% move by equal increments in years 2009

and 2010", thereby permitting adjustments to the revenue to cost ratios to be completed

over the IRM period. Moreover, this is not a revenue requirement issue so as to be

viewed as contravening the IRM principles.

c) Horizon Utilities did not complete a street lighting study with its 2011 EDR Cost of

24 Service Application as it was not aware of the approach taken by Kitchener-Wilmot

25 Hydro in its 2010 EDR Cost of Service Application, in which the street light rates were

based on the connections as opposed to the luminaires for assessment of charges.

27 This matter, and the Board's decision, has gained prominence only recently when the

Association of Municipalities of Ontario filed its letter with the Board on this issue (dated

December 1, 2010), as part of the Board's proceeding on Cost Allocation (EB-2010-

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- 0219), after Horizon Utilities had filed its Application. Horizon Utilities learned of such
- 2 letter only in January 2011. Horizon Utilities therefore anticipates completing a physical
- 3 study of its street lights shortly and reflecting such a configuration in upcoming revenue
- 4 to cost ratio proposals

1 EB-2010-0131

2	HORIZON UTILITIES CORPORATION ("HORIZON UTILITIES")
3	RESPONSES TO
4	BOARD STAFF INTERROGATORIES ON REVISED EVIDENCE

5 **DELIVERED: April 1<sup>st</sup>, 2011** 

#### 6 Question 2

- 7 Reference: E3/T2/S2/P18 of Updated Evidence
- 8 Board staff notes that Horizon's 2011 weather normalized load forecast has declined by
- 9 6.5% over its 2010 weather normalized amount.
- a) Given the decline in load forecast and significant increase to capital expenditures
- and OM&A, please indicate which 2011 capital projects and OM&A expenditures will be
- deferred to compensate for the reduction in revenues.
- b) If no projects or expenses will be deferred, please explain.

### Response:

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- 15 a) Horizon Utilities submits that it is premature to assess any impact of the decline
- in load forecast on 2011 revenue and, as such, it is also premature to consider any
- deferral of 2011 capital projects or OM&A expenditures.
- The outcome of this Application will be determinative of any impact of the decline in load
- forecast on 2011 revenue. Horizon Utilities has sought rates effective January 1, 2011
- 20 based on its revised load forecast information, which largely reflects declines
- 21 experienced thus far in 2011. As provided in Horizon Utilities' 2011 Electricity
- 22 Distribution Operations Financial Plan (referenced in the School Energy Coalition
- Technical Conference Question 5), in the Executive Summary, under the Introduction
- (Page 1), Horizon Utilities identified that its budget is conditional subject to the outcome
- of this Application. Horizon Utilities would consider the necessity of deferrals and
- adjustments to its 2011 capital projects and OM&A expenditures following the decision
- of the Board on its Application.
  - b) Please see Horizon Utilities' response to part a) above.

1 EB-2010-0131

# HORIZON UTILITIES CORPORATION ("HORIZON UTILITIES") RESPONSES TO BOARD STAFF INTERROGATORIES ON REVISED EVIDENCE

5 **DELIVERED: April 1<sup>st</sup>, 2011** 

#### 6 Question 3

7 Reference: E9/T1/S1P4

- 8 Horizon is seeking approval to use account 1572 for the tracking of any additional net
- 9 distribution revenues above the established baseline in the revised load forecast for the
- two Large Use customers identified in E3/T2/S2. Horizon proposes that any net
- 11 distribution revenues in excess of those baselines be shared with its Large Use
- customers on a 50/50 basis.
- 13 a) Please state whether Horizon is aware of any precedents for the above stated
- proposal either from the Board or any other regulators. If so, please provide such
- 15 precedents.
- b) For a hypothetical load increase of 20% for the two Large Use customers, please
- provide an illustration of how the amounts would be tracked in the proposed deferral
- account and how these amounts would be cleared for the time period for which Horizon
- proposes the deferral account would be in effect. Please specify the time period. Please
- include in the illustration an explanation as to how the deferral account balances would
- 21 be flowed through into rates.
- 22 c) Please discuss why Horizon believes that such benefits should only be shared
- with the Large Use customers as opposed to all customers.
- 24 **d)** Assuming a hypothetical immediate load increase of 20% for the two Large Use
- customers, please provide the following incremental rate design impacts for all
- customer classes including the resulting rates:
- i. assuming that this increased load had been incorporated
- into the 2011 application as a normal load increase

ii. assuming that the increased load had been incorporated into 1 the 2011 application under Horizon's proposal 2 iii. assuming that the increased load had been incorporated 3 into the 2011 application under Horizon's proposal, except 4 that the sharing would be with all customers on a 50/50

#### Response:

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Horizon Utilities is currently aware of two applications to the Board in which variance accounts have been proposed in order to deal with losses (actual and/or potential) of Large Use customer load.

basis, instead of just the Large Use customers

In Bluewater Power's ("Bluewater") 2009 forward test year cost of service application (EB-2008-0221), Bluewater updated its application to address the loss (closure) of two of its significant (one Large Use and the other Intermediate) industrial customers. In order to address the loss of these two customers, Bluewater and the intervenors agreed that it would be assumed that the load for these customers would be zero for 2009. The parties agreed that the rates should be set on the basis of the load forecast provided in Bluewater's original application, subject to two changes set out in the Settlement Proposal. One of those changes was the use of a value of zero for 2009 load for these customers. The Settlement Proposal provided that:

> "All net distribution revenue from UBE Automotive or Royal Polymers is proposed to be recorded to Account 1572 during the Test Year and the subsequent incentive regulation period. Net Distribution revenue means all revenue derived from fixed and variable distribution rates, less any direct costs to serve the customers. In the event that a new customer occupies the existing building and/or facilities of either UBE Automotive or Royal Polymers, the revenues related to the new customer will also be recorded to Account 1572 for the same time period less any direct and incremental OM&A and capital-related costs (ie. Amortization and Cost of Capital) required to serve the new customer."

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In order to recognize the fact that Bluewater's updated application assumed no revenue 1

from those customers, it was proposed that the net distribution revenue would be 2

recorded in Account 1572 for disposition to customers at a later date. The Board

4 approved the Settlement Proposal of Bluewater and the intervenors in that proceeding.

In the application by COLLUS Power Corp. ("COLLUS") for approval of its proposed 5

2009 electricity distribution rates (EB-2008-0226) on a forward test year cost of service 6

application, it included a request for a variance account to deal with possible loss of

Large Use customer load. Previously, in 2007, COLLUS had lost the larger of its two 8

Large Use customers, and COLLUS advised that this resulted in a materially adverse

impact on COLLUS' distribution revenue. 10

In order to address the possibility of a similar scenario and impact with respect to its 11 remaining Large Use customer for the 2009 Test Year and the IRM period that would 12 13

follow (although COLLUS had not expected to lose that second customer), COLLUS

proposed a variance account that would use the 2009 estimated distribution service

revenue for its large use customer as the base revenue, adjusted for 3rd Generation

IRM applications for 2010, 2011 and 2012. In COLLUS' proposal, the variance account

would record the reduction in base revenue only if the remaining Large Use customer

ceased operations. The expected revenue would be recorded into the account from the

point that that customer ceased operations until COLLUS' next cost of service

application. At that time, COLLUS would seek approval to dispose of the amount in the

variance account. 21

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In the course of submissions in that proceeding, COLLUS withdrew its request for a 22

23 variance account, and the matter was not adjudicated by the Board. The following year,

as part of its 2010 IRM application (EB-2009-0220), COLLUS requested a 24

reclassification of the remaining Large Use customer, and sought Z-factor recovery of

revenue losses resulting from the reduction in that customer's load. The Board

acknowledged in its Decision in EB-2009-0220 that "it appears to be accepted by

parties that COLLUS withdrew its request in the 2009 rate proceeding for a variance

account on an understanding that it would have recourse by what it understood to be a

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Z factor type application within the IRM regime." The Board did not ultimately dispose

of the request as a Z-factor matter, but it did approve reductions in COLLUS' load and

3 revenue forecasts for the IRM period to reflect the loss of load from the Large Use

4 customer and the reclassification of that customer. No variance account was requested

5 in the 2010 IRM application, nor was one established.

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6 **b)** The revised annual load forecast for the two Large Use customers referenced is zero

7 for GM Plant 1 and is 171,097 kW for USSC. A 20% increase in these loads is

therefore a 20% increase on the 171,097kW, i.e. an increase of 34,219 kW. Such

9 would result in an increase in distribution revenue of \$52,276 based on the application

of the proposed Large Use customer variable rate of \$1.5277/kW. The account

identified, account 1572, is not a Group 1 account and therefore would not be part of a

disposition in an IRM application. Horizon Utilities proposes that such variance account

would be in effect until Horizon Utilities' next rebasing. The methodology for disposition

of the variance account would be addressed at the time that disposition is sought.

15 c) Horizon Utilities identified one approach to the disposition of any variances that are

tracked in Account 1572. Since the volatility in load and related revenues stems from

the Large Use customer class, Horizon Utilities submitted that this customer class alone

18 should receive the benefit of positive variances. However, Horizon Utilities

acknowledges that this is not the only approach that may be employed and that other

approaches may be relevant. Further, the disposition of any balances will be a matter

to be dealt with in a future application and proceeding.

22 **d)** Please find below the rates and bill impacts when a 20% hypothetical load increase

is incorporated into the 2011 Application as a normal load increase.

		R	ESIDE	NTIAL						
			2010 BI	LL		2011 BI	LL	IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total B
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%	49.81%
100 kWh	Distribution (kWh)	100	0.0125	1.25	100	0.0145	1.45	0.20	16.00%	4.89%
	Low Voltage Rider (kWh)	100	0.0000	0.00	100	0.000050	0.01	0.01	#DIV/0!	0.02%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	5.26%
	LRAM & SSM Rider (kWh)	100	0.0002	0.02	100		0.00	(0.02)	(100.00%)	0.00%
	Smart Meter Entity (\$/Month)						0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	100		0.00	100	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kWh)	100	(0.0023)	(0.23)	100	(0.0020)	(0.20)	0.03	(13.04%)	(0.67%)
	Distribution Sub-Total			15.28			17.58	2.30	15.02%	59.31%
	Retail Transmisssion (kWh)	104	0.0108	1.13	104	0.0109	1.13	0.01	0.79%	3.83%
	Delivery Sub-Total			16.41			18.71	2.30	14.04%	63.14%
	Other Charges (kWh)	104	0.0072	0.75	104	0.0072	0.75	(0.00)	(0.13%)	2.53%
	Cost of Power Commodity (kWh)	104	0.0650	6.77	104	0.0650	6.76	(0.01)	(0.13%)	22.83%
	SPC (kWh)	104	0.0003725	0.04	104	0.0000000	0.00	(0.04)	(100.00%)	0.00%
	Total Bill Before Taxes			23.97			26.22	2.25	9.37%	88.50%
	HST		13.00%	3.12		13.00%	3.41	0.29	9.41%	11.50%
	Total Bill			27.08			29.63	2.54	9.38%	100.00%

		R	ESIDE	NTIAL						
			2010 BI	LL		2011 BI	LL		IMPAC1	Γ
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Tot
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%	31.8
250 kWh	Distribution (kWh)	250	0.0125	3.13	250	0.0145	3.63	0.50	16.00%	7.81
	Low Voltage Rider (kWh)	250	0.0000	0.00	250	0.000050	0.01	0.01	#DIV/0!	0.03
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	3.36
	LRAM & SSM Rider (kWh)	250	0.0002	0.05	250	0.0000	0.00	(0.05)	(100.00%)	0.00
	Smart Meter Entity (\$/Month)						0.00	0.00	#DIV/0!	0.00
	Late Payment (kWh)	250	0.0000	0.00	250	0.0000	0.00	0.00	#DIV/0!	0.00
	Deferrral & Variance Acct (kWh)	250	(0.0023)	(0.58)	250	(0.0020)	(0.50)	0.08	(13.04%)	(1.08
	Distribution Sub-Total			16.84			19.46	2.62	15.54%	41.9
	Retail Transmisssion (kWh)	261	0.0108	2.81	260	0.0109	2.84	0.02	0.79%	6.1
	Delivery Sub-Total			19.65			22.29	2.64	13.43%	48.0
	Other Charges (kWh)	261	0.0072	1.88	260	0.0072	1.87	(0.00)	(0.13%)	4.04
	Cost of Power Commodity (kWh)	261	0.0650	16.93	260	0.0650	16.91	(0.02)	(0.13%)	36.4
	SPC (kWh)	261	0.0003725	0.10	261	0.0000000	0.00	(0.10)	(100.00%)	0.00
	Total Bill Before Taxes			38.56			41.08	2.50	6.47%	88.5
	HST		13.00%	5.01		13.00%	5.34	0.33	6.53%	11.5
	Total Bill			43.57			46.42	2.82	6.48%	100.0

		R	ESIDE	NTIAL								
			2010 BILL 2011 BILL IMPACT									
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of To		
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%	19.8		
500 kWh	Distribution (kWh)	500	0.0125	6.25	500	0.0145	7.25	1.00	16.00%	9.7		
	Low Voltage Rider (kWh)	500	0.0000	0.00	500	0.000050	0.03	0.03	#DIV/0!	0.0		
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	2.1		
	LRAM & SSM Rider (kWh)	500	0.0002	0.10	500	0.0000	0.00	(0.10)	(100.00%)	0.0		
	Smart Meter Entity (\$/Month)						0.00	0.00	#DIV/0!	0.0		
	Late Payment (kWh)	500	0.0000	0.00	500	0.0000	0.00	0.00	#DIV/0!	0.0		
	Deferrral & Variance Acct (kWh)	500	(0.0023)	(1.15)	500	(0.0020)	(1.00)	0.15	(13.04%)	(1.3		
	Distribution Sub-Total			19.44			22.60	3.16	16.23%	30.		
	Retail Transmisssion (kWh)	521	0.0108	5.63	520	0.0109	5.67	0.04	0.79%	7.0		
	Delivery Sub-Total			25.07		Ì	28.27	3.20	12.76%	38.		
	Other Charges (kWh)	521	0.0072	3.75	520	0.0072	3.75	(0.01)	(0.13%)	5.0		
	Cost of Power Commodity (kWh)	521	0.0650	33.87	520	0.0650	33.82	(0.05)	(0.13%)	45.		
	SPC (kWh)	521	0.0003725	0.19	521	0.0000000	0.00	(0.19)	(100.00%)	0.0		
	Total Bill Before Taxes			62.88			65.84	2.91	4.63%	88.		
	HST		13.00%	8.17		13.00%	8.56	0.38	4.70%	11.		
	Total Bill			71.06			74.39	3.29	4.64%	100		

		R	ESIDE	NTIAL						
			2010 BI	LL		2011 BI	LL		IMPAC1	<b>T</b>
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Tota
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%	133.99
680 kWh	Distribution (kWh)	680	0.0125	8.50	680	0.0145	9.86	1.36	16.00%	89.51
	Low Voltage Rider (kWh)	680	0.0000	0.00	680	0.000050	0.03	0.03	#DIV/0!	0.31
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	14.16
	LRAM & SSM Rider (kWh)	680	0.0002	0.14	680	0.0000	0.00	(0.14)	(100.00%)	0.00
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00
	Late Payment (kWh)	680	0.0000	0.00	680	0.0000	0.00	0.00	#DIV/0!	0.00
	Deferrral & Variance Acct (kWh)	680	(0.0023)	(1.56)	680	(0.0020)	(1.36)	0.20	(13.04%)	(1.42
	Distribution Sub-Total			21.31			24.85	3.54	16.62%	25.9
	Retail Transmisssion (kWh)	709	0.0108	7.65	708	0.0109	7.71	0.06	0.79%	8.06
	Delivery Sub-Total			28.97			32.57	3.60	12.44%	34.0
	Other Charges (kWh)	709	0.0072	5.10	708	0.0072	5.10	(0.01)	(0.13%)	5.32
	Cost of Power Commodity (kWh)	600	0.0650	39.00	600	0.0650	39.00	0.00	0.00%	40.7
	Cost of Power Commodity (kWh)	109	0.0750	8.15	108	0.0750	8.08	(0.07)	(0.88%)	8.43
	SPC (kWh)	709	0.0003725	0.26	709	0.0000000	0.00	(0.26)	(100.00%)	0.00
	Total Bill Before Taxes			81.48			84.74	3.26	4.00%	88.5
	HST		13.00%	10.59		13.00%	11.02	0.42	4.00%	11.50
	Total Bill			92.07			95.75	3.68	4.00%	100.0

		R	ESIDE	NTIAL						
			2010 BII	LL		LL	IMPACT			
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of 1
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%	13
800 kWh	Distribution (kWh)	800	0.0125	10.00	800	0.0145	11.60	1.60	16.00%	10
	Low Voltage Rider (kWh)	800	0.0000	0.00	800	0.000050	0.04	0.04	#DIV/0!	0.
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	1.
	LRAM & SSM Rider (kWh)	800	0.0002	0.16	800	0.0000	0.00	(0.16)	(100.00%)	0.
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.
	Late Payment (kWh)	800	0.0000	0.00	800	0.0000	0.00	0.00	#DIV/0!	0.
	Deferrral & Variance Acct (kWh)	800	(0.0023)	(1.84)	800	(0.0020)	(1.60)	0.24	(13.04%)	(1.
	Distribution Sub-Total			22.56			26.36	3.80	16.84%	23
	Retail Transmisssion (kWh)	834	0.0108	9.00	833	0.0109	9.07	0.07	0.79%	8.
	Delivery Sub-Total			31.56			35.43	3.87	12.26%	32
	Other Charges (kWh)	834	0.0072	6.00	833	0.0072	5.99	(0.01)	(0.13%)	5.
	Cost of Power Commodity (kWh)	600	0.0650	39.00	600	0.0650	39.00	0.00	0.00%	35
	Cost of Power Commodity (kWh)	234	0.0750	17.53	233	0.0750	17.44	(0.08)	(0.48%)	15
	SPC (kWh)	834	0.0003725	0.31	834	0.0000000	0.00	(0.31)	(100.00%)	0.
	Total Bill Before Taxes			94.40			97.87	3.47	3.67%	88
	HST		13.00%	12.27		13.00%	12.72	0.45	3.67%	11
	Total Bill			106.68			110.59	3.92	3.67%	10

# **RESIDENTIAL**

			2010 BII	LL		2011 BI	LL		IMPAC1	Γ
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bi
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%	10.91%
1,000 kWh	Distribution (kWh)	1,000	0.0125	12.50	1,000	0.0145	14.50	2.00	16.00%	10.71%
	Low Voltage Rider (kWh)	1,000	0.0000	0.00	1,000	0.000050	0.05	0.05	#DIV/0!	0.04%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	1.15%
	LRAM & SSM Rider (kWh)	1,000	0.0002	0.20	1,000	0.0000	0.00	(0.20)	(100.00%)	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kWh)	1,000	(0.0023)	(2.30)	1,000	(0.0020)	(2.00)	0.30	(13.04%)	(1.48%)
	Distribution Sub-Total			24.64			28.87	4.23	17.17%	21.33%
	Retail Transmisssion (kWh)	1,042	0.0108	11.25	1,041	0.0109	11.34	0.09	0.79%	8.38%
	Delivery Sub-Total			35.89			40.21	4.32	12.03%	29.72%
	Other Charges (kWh)	1,042	0.0072	7.50	1,041	0.0072	7.49	(0.01)	(0.13%)	5.54%
	Cost of Power Commodity (kWh)	600	0.0650	39.00	600	0.0650	39.00	0.00	0.00%	28.82%
	Cost of Power Commodity (kWh)	442	0.0750	33.16	441	0.0750	33.05	(0.11)	(0.32%)	24.42%
	SPC (kWh)	1,042	0.0003725	0.39	1,042	0.0000000	0.00	(0.39)	(100.00%)	0.00%
	Total Bill Before Taxes			115.94			119.76	3.82	3.29%	88.50%
	HST		13.00%	15.07		13.00%	15.57	0.50	3.29%	11.50%
	Total Bill			131.02			135.33	4.31	3.29%	100.00%

		K	ESIDE	NIIAL							
			2010 BI	LL	2011 BI		LL	IMPAC		CT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of	
Consumption	Monthly Service Charge			12.68			14.76	2.08	16.40%		
1,500 kWh	Distribution (kWh)	1,500	0.0125	18.75	1,500	0.0145	21.75	3.00	16.00%		
	Low Voltage Rider (kWh)	1,500	0.0000	0.00	1,500	0.000050	0.08	0.08	#DIV/0!		
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%		
	LRAM & SSM Rider (kWh)	1,500	0.0002	0.30	1,500	0.0000	0.00	(0.30)	(100.00%)		
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!		
	Late Payment (kWh)	1,500	0.0000	0.00	1,500	0.0000	0.00	0.00	#DIV/0!		
	Deferrral & Variance Acct (kWh)	1,500	(0.0023)	(3.45)	1,500	(0.0020)	(3.00)	0.45	(13.04%)	(	
	Distribution Sub-Total			29.84			35.15	5.31	17.78%		
	Retail Transmisssion (kWh)	1,563	0.0108	16.88	1,561	0.0109	17.02	0.13	0.79%		
	Delivery Sub-Total			46.72			52.16	5.44	11.64%	:	
	Other Charges (kWh)	1,563	0.0072	11.25	1,561	0.0072	11.24	(0.02)	(0.13%)		
	Cost of Power Commodity (kWh)	600	0.0650	39.00	600	0.0650	39.00	0.00	0.00%	1	
	Cost of Power Commodity (kWh)	963	0.0750	72.24	961	0.0750	72.08	(0.16)	(0.22%)	3	
	SPC (kWh)	1,563	0.0003725	0.58	1,563	0.0000000	0.00	(0.58)	(100.00%)		
	Total Bill Before Taxes			169.80			174.48	4.68	2.76%		
	HST		13.00%	22.07		13.00%	22.68	0.61	2.76%		
	Total Bill			191.87			197.16	5.29	2.76%	1	

#### **GENERAL SERVICE < 50 kW** 2010 BILL 2011 BILL **IMPACT** CHARGE RATE CHARGE RATE % of Total Bill Volume Volume \$ Consumption Monthly Service Charge 27.45 34.07 6.62 24.12% 12.96% Distribution (kWh) 2,000 0.0072 14.40 2,000 0.0089 17.80 3.40 23.61% 6.77% 2,000 kWh Low Voltage Rider (kWh) 2,000 0.0000 0.00 2,000 0.000040 0.08 0.08 #DIV/0! 0.03% Smart Meter Rider (per month) 1.56 0.00 0.00% 0.59% 1.56 LRAM & SSM Rider (kWh) 0.00 #DIV/0! 0.00% 2,000 0.0000 0.00 2,000 0.0000 0.00 Smart Meter Entity (\$/Month) 0.00 #DIV/0! 0.00% 0.00 0.00 Late Payment (kWh) 2,000 0.0000 0.00 2,000 0.0000 0.00 0.00 #DIV/0! 0.00% Deferrral & Variance Acct (kWh) 2,000 (0.0025) (5.00) 2,000 (0.0023) (4.60) 0.40 (8.00%) (1.75%) 38.41 Distribution Sub-Total 48.91 10.50 27.34% 18.60% 2,084 Retail Transmisssion (kWh) 0.0097 20.22 2,081 0.0097 20.19 (0.03) (0.13%) 7.68% Delivery Sub-Total 58.63 69.10 10.47 17.86% 26.28% Other Charges (kWh) 2,084 0.0072 15.01 2,081 (0.02) 0.0072 14.99 (0.13%) 5.70% Cost of Power Commodity (kWh) 750 0.0650 48.75 0.0650 48.75 0.00 0.00% 18.54% Cost of Power Commodity (kWh) 1,334 0.0750 100.07 1,331 0.0750 99.86 (0.21%) 37.98% (0.21) 2,084 0.0003725 0.78 2,084 0.0000000 0.00 (100.00%) 0.00% (0.78)Total Bill Before Taxes 223.22 232.69 \$9.47 4.24% 88.50% HST 13.00% 29.02 13.00% 30.25 1.23 4.24% 11.50% Total Bill 252.24 262.94 \$10.70 4.24% 100.00%

			2010 BI	LL	2011 BI		LL	IMPAC*		T	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of T	
Consumption	Monthly Service Charge			27.45			34.07	6.62	24.12%	5.	
5,000 kWh	Distribution (kWh)	5,000	0.0072	36.00	5,000	0.0089	44.50	8.50	23.61%	7.	
	Low Voltage Rider (kWh)	5,000	0.0000	0.00	5,000	0.000040	0.20	0.20	#DIV/0!	0.0	
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.:	
	LRAM & SSM Rider (kWh)	5,000	0.0000	0.00	5,000	0.0000	0.00	0.00	#DIV/0!	0.0	
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.0	
	Late Payment (kWh)	5,000	0.0000	0.00	5,000	0.0000	0.00	0.00	#DIV/0!	0.0	
	Deferrral & Variance Acct (kWh)	5,000	(0.0025)	(12.50)	5,000	(0.0023)	(11.50)	1.00	(8.00%)	(1.8	
	Distribution Sub-Total			52.51			68.83	16.32	31.08%	11.	
	Retail Transmisssion (kWh)	5,211	0.0097	50.54	5,204	0.0097	50.47	(0.07)	(0.13%)	8.2	
	Delivery Sub-Total			103.05			119.30	16.25	15.77%	19.	
	Other Charges (kWh)	5,211	0.0072	37.52	5,204	0.0072	37.47	(0.05)	(0.13%)	6.	
	Cost of Power Commodity (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.00%	8.0	
	Cost of Power Commodity (kWh)	4,461	0.0750	334.54	4,454	0.0750	334.01	(0.52)	(0.16%)	54.	
	SPC (kWh)	5,211	0.0003725	1.94	5,211	0.0000000	0.00	(1.94)	(100.00%)	0.	
	Total Bill Before Taxes			525.80			539.53	\$13.74	2.61%	88	

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

			2010 BII	LL		2011 BI	LL		IMPAC1	Ī
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bi
Consumption	Monthly Service Charge			27.45			34.07	6.62	24.12%	2.87%
10,000 kWh	Distribution (kWh)	10,000	0.0072	72.00	10,000	0.0089	89.00	17.00	23.61%	7.49%
	Low Voltage Rider (kWh)	10,000	0.0000	0.00	10,000	0.000040	0.40	0.40	#DIV/0!	0.03%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.13%
	LRAM & SSM Rider (kWh)	10,000	0.0000	0.00	10,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	10,000	0.0000	0.00	10,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kWh)	10,000	(0.0025)	(25.00)	10,000	(0.0023)	(23.00)	2.00	(8.00%)	(1.94%)
	Distribution Sub-Total			76.01			102.03	26.02	34.23%	8.59%
	Retail Transmisssion (kWh)	10,421	0.0097	101.08	10,407	0.0097	100.95	(0.14)	(0.13%)	8.50%
	Delivery Sub-Total			177.09			202.98	25.88	14.62%	17.09%
	Other Charges (kWh)	10,421	0.0072	75.03	10,407	0.0072	74.93	(0.10)	(0.13%)	6.31%
	Cost of Power Commodity (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.00%	4.11%
	Cost of Power Commodity (kWh)	9,671	0.0750	725.33	9,657	0.0750	724.28	(1.05)	(0.14%)	60.99%
	SPC (kWh)	10,421	0.0003725	3.88	10,421	0.0000000	0.00	(3.88)	(100.00%)	0.00%
	Total Bill Before Taxes			1,030.08			1,050.93	\$20.85	2.02%	88.50%
	HST		13.00%	133.91		13.00%	136.62	2.71	2.02%	11.50%
	Total Bill			1,163.99			1,187.55	\$23.56	2.02%	100.00%

	GENERAL SERVICE < 50 kW												
			2010 BI	LL		2011 BI	LL		IMPAC1	Γ			
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total E			
Consumption	Monthly Service Charge			27.45			34.07	6.62	24.12%	2.31%			
12,500 kWh	Distribution (kWh)	12,500	0.0072	90.00	12,500	0.0089	111.25	21.25	23.61%	7.53%			
	Low Voltage Rider (kWh)	12,500	0.0000	0.00	12,500	0.000040	0.50	0.50	#DIV/0!	0.03%			
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.11%			
	LRAM & SSM Rider (kWh)	12,500	0.0000	0.00	12,500	0.0000	0.00	0.00	#DIV/0!	0.00%			
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%			
	Late Payment (kWh)	12,500	0.0000	0.00	12,500	0.0000	0.00	0.00	#DIV/0!	0.00%			
	Deferrral & Variance Acct (kWh)	12,500	(0.0025)	(31.25)	12,500	(0.0023)	(28.75)	2.50	(8.00%)	(1.95%			
	Distribution Sub-Total			87.76			118.63	30.87	35.18%	8.03%			
	Retail Transmisssion (kWh)	13,026	0.0097	126.35	13,009	0.0097	126.18	(0.17)	(0.13%)	8.55%			
	Delivery Sub-Total			214.11			244.81	30.70	14.34%	16.58%			
	Other Charges (kWh)	13,026	0.0072	93.79	13,009	0.0072	93.66	(0.13)	(0.13%)	6.34%			
	Cost of Power Commodity (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.00%	3.30%			
	Cost of Power Commodity (kWh)	12,276	0.0750	920.72	12,259	0.0750	919.41	(1.31)	(0.14%)	62.27%			
	SPC (kWh)	13,026	0.0003725	4.85	13,026	0.0000000	0.00	(4.85)	(100.00%)	0.00%			
	Total Bill Before Taxes			1,282.22			1,306.63	\$24.41	1.90%	88.50%			
	HST		13.00%	166.69		13.00%	169.86	3.17	1.90%	11.50%			
	Total Bill			1,448.91			1.476.50	\$27.58	1.90%	100.009			

# GENERAL SERVICE < 50 kW

			2010 BI	LL		2011 BI	LL		IMPAC1	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total I
Consumption	Monthly Service Charge			27.45			34.07	6.62	24.12%	1.93%
15,000 kWh	Distribution (kWh)	15,000	0.0072	108.00	15,000	0.0089	133.50	25.50	23.61%	7.56%
	Low Voltage Rider (kWh)	15,000	0.0000	0.00	15,000	0.000040	0.60	0.60	#DIV/0!	0.03%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.09%
	LRAM & SSM Rider (kWh)	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kWh)	15,000	(0.0025)	(37.50)	15,000	(0.0023)	(34.50)	3.00	(8.00%)	(1.95%)
	Distribution Sub-Total			99.51			135.23	35.72	35.90%	7.66%
	Retail Transmisssion (kWh)	15,632	0.0097	151.63	15,611	0.0097	151.42	(0.20)	(0.13%)	8.58%
	Delivery Sub-Total			251.14			286.65	35.52	14.14%	16.24%
	Other Charges (kWh)	15,632	0.0072	112.55	15,611	0.0072	112.40	(0.15)	(0.13%)	6.37%
	Cost of Power Commodity (kWh)	750	0.0650	48.75	750	0.0650	48.75	0.00	0.00%	2.76%
	Cost of Power Commodity (kWh)	14,882	0.0750	1,116.11	14,861	0.0750	1,114.54	(1.58)	(0.14%)	63.13%
	SPC (kWh)	15,632	0.0003725	5.82	15,632	0.0000000	0.00	(5.82)	(100.00%)	0.00%
	Total Bill Before Taxes			1,534.37			1,562.33	\$27.97	1.82%	88.50%
	HST		13.00%	199.47		13.00%	203.10	3.64	1.82%	11.50%
	Total Bill			1,733.84			1,765.44	\$31.60	1.82%	100.00%

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			2010 BI	LL		2011 BI	LL		IMPAC <sup>1</sup>	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bi
Consumption	Monthly Service Charge			250.33			335.22	84.89	33.91%	9.53%
30,000 kWh	Distribution (kW)	100	1.7875	178.75	100	2.2763	227.63	48.88	27.35%	6.47%
100 kW	Low Voltage Rider (kW)	100	0.0121	1.21	100	0.018250	1.83	0.62	50.83%	0.05%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.04%
	LRAM & SSM Rider (kW)	100		0.00	100	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	30,000	0.0000	0.00	30,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	100	(1.0002)	(100.02)	100	(0.9379)	(93.79)	6.23	(6.23%)	(2.67%)
	Distribution Sub-Total			331.83			472.45	140.62	42.38%	13.44%
	Retail Transmisssion (kW)	100	3.8311	383.11	100	3.8489	384.89	1.78	0.46%	10.95%
	Delivery Sub-Total			714.94			857.34	142.40	19.92%	24.38%
	Other Charges (kWh)	31,263	0.0072	225.09	31,221	0.0072	224.79	(0.30)	(0.13%)	6.39%
	Cost of Power Commodity (kWh)	31,263	0.0650	2,032.10	31,221	0.0650	2,029.37	(2.73)	(0.13%)	57.72%
	SPC (kWh)	31,263	0.0003725	11.65	31,263	0.0000000	0.00	(11.65)	(100.00%)	0.00%
	Total Bill Before Taxes			2,983.77			3,111.49	127.72	4.28%	88.50%
	HST		13.00%	387.89		13.00%	404.49	16.60	4.28%	11.50%
	Total Bill			3,371.66			3,515.99	144.32	4.28%	100.00%

# GENERAL SERVICE > 50 kW

			2010 BI	LL		2011 BI	LL		IMPAC1	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Consumption	Monthly Service Charge			250.33			335.22	84.89	33.91%	4.08%
75,000 kWh	Distribution (kW)	250	1.7875	446.88	250	2.2763	569.08	122.20	27.35%	6.92%
250 kW	Low Voltage Rider (kW)	250	0.0121	3.03	250	0.018250	4.56	1.54	50.83%	0.06%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.02%
	LRAM & SSM Rider (kW)	250		0.00	250	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	75,000	0.0000	0.00	75,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	250	(1.0002)	(250.05)	250	(0.9379)	(234.48)	15.58	(6.23%)	(2.85%)
	Distribution Sub-Total			451.74			675.94	224.20	49.63%	8.22%
	Retail Transmisssion (kW)	250	3.8311	957.78	250	3.8489	962.23	4.45	0.46%	11.71%
	Delivery Sub-Total			1,409.52			1,638.17	228.65	16.22%	19.93%
	Other Charges (kWh)	78,158	0.0072	562.73	78,053	0.0072	561.98	(0.76)	(0.13%)	6.84%
	Cost of Power Commodity (kWh)	78,158	0.0650	5,080.24	78,053	0.0650	5,073.41	(6.82)	(0.13%)	61.73%
	SPC (kWh)	78,158	0.0003725	29.11	78,158	0.0000000	0.00	(29.11)	(100.00%)	0.00%
	Total Bill Before Taxes			7,081.60			7,273.56	191.96	2.71%	88.50%
	HST		13.00%	920.61		13.00%	945.56	24.95	2.71%	11.50%
	Total Bill			8,002.21			8,219.12	216.91	2.71%	100.00%

	(	SENERA	L SER	VICE > 5	0 kW					
			2010 BI	LL		2011 BI	LL		IMPACT	•
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total
Consumption	Monthly Service Charge			250.33			335.22	84.89	33.91%	3.07%
00,000 kWh	Distribution (kW)	350	1.7875	625.63	350	2.2763	796.71	171.08	27.35%	7.29%
350 kW	Low Voltage Rider (kW)	350	0.0121	4.24	350	0.018250	6.39	2.15	50.83%	0.06%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.019
	LRAM & SSM Rider (kW)	350		0.00	350	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	100,000	0.0000	0.00	100,000	0.0000	0.00	0.00	#DIV/0!	0.009
	Deferrral & Variance Acct (kW)	350	(1.0002)	(350.07)	350	(0.9379)	(328.27)	21.81	(6.23%)	(3.00%
	Distribution Sub-Total			531.68			811.61	279.93	52.65%	7.43
	Retail Transmisssion (kW)	350	3.8311	1,340.89	350	3.8489	1,347.12	6.23	0.46%	12.32
	Delivery Sub-Total			1,872.57			2,158.72	286.16	15.28%	19.75
	Other Charges (kWh)	104,210	0.0072	750.31	104,070	0.0072	749.30	(1.01)	(0.13%)	6.86%
	Cost of Power Commodity (kWh)	104,210	0.0650	6,773.65	104,070	0.0650	6,764.55	(9.10)	(0.13%)	61.89
	SPC (kWh)	104,210	0.0003725	38.82	104,210	0.0000000	0.00	(38.82)	(100.00%)	0.00%
	Total Bill Before Taxes			9,435.35			9,672.58	237.23	2.51%	88.50
	HST		13.00%	1,226.59		13.00%	1,257.43	30.84	2.51%	11.509
	Total Bill			10.661.94			10.930.01	268.07	2.51%	100.00

# GENERAL SERVICE > 50 kW

			2010 BI	LL		2011 BI	LL		<b>IMPACT</b>	•
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bi
Consumption	Monthly Service Charge			250.33			335.22	84.89	33.91%	0.42%
800,000 kWh	Distribution (kW)	2,000	1.7875	3,575.00	2,000	2.2763	4,552.60	977.60	27.35%	5.69%
2,000 kW	Low Voltage Rider (kW)	2,000	0.0121	24.20	2,000	0.018250	36.50	12.30	50.83%	0.05%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.00%
	LRAM & SSM Rider (kW)	2,000		0.00	2,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	800,000	0.0000	0.00	800,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	2,000	(1.0002)	(2,000.40)	2,000	(0.9379)	(1,875.80)	124.60	(6.23%)	(2.34%)
	Distribution Sub-Total			1,850.69			3,050.08	1,199.39	64.81%	3.81%
	Retail Transmisssion (kW)	2,000	3.8311	7,662.20	2,000	3.8489	7,697.80	35.60	0.46%	9.61%
	Delivery Sub-Total			9,512.89			10,747.88	1,234.99	12.98%	13.42%
	Other Charges (kWh)	833,680	0.0072	6,002.50	832,560	0.0072	5,994.43	(8.06)	(0.13%)	7.49%
	Cost of Power Commodity (kWh)	833,680	0.0650	54,189.20	832,560	0.0650	54,116.40	(72.80)	(0.13%)	67.59%
	SPC (kWh)	833,680	0.0003725	310.55	833,680	0.0000000	0.00	(310.55)	(100.00%)	0.00%
	Total Bill Before Taxes			70,015.13			70,858.71	843.58	1.20%	88.50%
	HST		13.00%	9,101.97		13.00%	9,211.63	109.67	1.20%	11.50%
	Total Bill			79,117.10			80,070.34	953.25	1.20%	100.00%

	G	ENERA	L SER	VICE > 5	50 kW					
			2010 BI	LL		2011 BI	LL		IMPACT	<u> </u>
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Tota
Consumption	Monthly Service Charge			250.33			335.22	84.89	33.91%	0.219
1,600,000 kWh	Distribution (kW)	4,000	1.7875	7,150.00	4,000	2.2763	9,105.20	1,955.20	27.35%	5.70%
4,000 kW	Low Voltage Rider (kW)	4,000	0.0121	48.40	4,000	0.018250	73.00	24.60	50.83%	0.059
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.00
	LRAM & SSM Rider (kW)	4,000		0.00	4,000	0.0000	0.00	0.00	#DIV/0!	0.00
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.009
	Late Payment (kWh)	1,600,000	0.0000	0.00	1,600,000	0.0000	0.00	0.00	#DIV/0!	0.00
	Deferrral & Variance Acct (kW)	4,000	(1.0002)	(4,000.80)	4,000	(0.9379)	(3,751.60)	249.20	(6.23%)	(2.35)
	Distribution Sub-Total			3,449.49			5,763.38	2,313.89	67.08%	3.61
	Retail Transmisssion (kW)	4,000	3.8311	15,324.40	4,000	3.8489	15,395.60	71.20	0.46%	9.649
	Delivery Sub-Total			18,773.89			21,158.98	2,385.09	12.70%	13.24
	Other Charges (kWh)	1,667,360	0.0072	12,004.99	1,665,120	0.0072	11,988.86	(16.13)	(0.13%)	7.509
	Cost of Power Commodity (kWh)	1,667,360	0.0650	108,378.40	1,665,120	0.0650	108,232.80	(145.60)	(0.13%)	67.75
	SPC (kWh)	1,667,360	0.0003725	621.09	1,667,360	0.0000000	0.00	(621.09)	(100.00%)	0.00
	Total Bill Before Taxes			139,778.37			141,380.64	1,602.27	1.15%	88.50
	HST		13.00%	18,171.19		13.00%	18,379.48	208.30	1.15%	11.50
	Total Bill			157,949.56			159,760.13	1,810.57	1.15%	100.0

LARGE	USER	(>	5000	kW)	

			2010 BI	LL		2011 BI	LL		IMPAC1	Γ
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total B
Consumption	Monthly Service Charge			11,151.32			25,322.80	14,171.48	127.08%	8.28%
2,800,000 kWh	Distribution (kW)	6,500	1.0123	6,579.95	6,500	1.5235	9,902.75	3,322.80	50.50%	3.24%
6,500 kW	Low Voltage Rider (kW)	6,500	0.014	91.00	6,500	0.019320	125.58	34.58	38.00%	0.04%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.00%
	LRAM & SSM Rider (kW)	6,500		0.00	6,500	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	2,800,000	0.0000	0.00	2,800,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	6,500	(0.6827)	-4,437.55	6,500	(0.6020)	(3,913.00)	524.55	(11.82%)	(1.28%)
	Distribution Sub-Total			13,386.28			31,439.69	18,053.41	134.87%	10.29%
	Retail Transmisssion (kW)	6,500	4.3886	28,525.90	6,500	4.409	28,658.50	132.60	0.46%	9.38%
	Delivery Sub-Total			41,912.18			60,098.19	18,186.01	43.39%	19.66%
	Other Charges (kWh)	2,917,880	0.0072	21,008.74	2,913,960	0.0072	20,980.51	(28.22)	(0.13%)	6.86%
	Cost of Power Commodity (kWh)	2,917,880	0.0650	189,662.20	2,913,960	0.0650	189,407.40	(254.80)	(0.13%)	61.97%
	SPC (kWh)	2,917,880	0.0003725	1,086.91	2,917,880	0.0000000	0.00	(1,086.91)	(100.00%)	0.00%
	Total Bill Before Taxes			253,670.03			270,486.10	16,816.08	6.63%	88.50%
	HST		13.00%	32,977.10		13.00%	35,163.19	2,186.09	6.63%	11.50%
	Total Bill			286.647.13			305,649.30	19,002.17	6.63%	100.00%

# LARGE USER (> 5000 kW)

			2010 BI	LL		2011 BI	LL		IMPAC1	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bi
Consumption	Monthly Service Charge			11,151.32			25,322.80	14,171.48	127.08%	7.51%
3,100,000 kWh	Distribution (kW)	7,500	1.0123	7,592.25	7,500	1.5235	11,426.25	3,834.00	50.50%	3.39%
7,500 kW	Low Voltage Rider (kW)	7,500	0.014	105.00	7,500	0.019320	144.90	39.90	38.00%	0.04%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.00%
	LRAM & SSM Rider (kW)	7,500		0.00	7,500	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	3,100,000	0.0000	0.00	3,100,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	7,500	(0.6827)	(5,120.25)	7,500	(0.6020)	(4,515.00)	605.25	(11.82%)	(1.34%)
	Distribution Sub-Total			13,729.88			32,380.51	18,650.63	135.84%	9.60%
	Retail Transmisssion (kW)	7,500	4.3886	32,914.50	7,500	4.409	33,067.50	153.00	0.46%	9.81%
	Delivery Sub-Total			46,644.38			65,448.01	18,803.63	40.31%	19.41%
	Other Charges (kWh)	3,230,510	0.0072	23,259.67	3,226,170	0.0072	23,228.42	(31.25)	(0.13%)	6.89%
	Cost of Power Commodity (kWh)	3,230,510	0.0650	209,983.15	3,226,170	0.0650	209,701.05	(282.10)	(0.13%)	62.20%
	SPC (kWh)	3,230,510	0.0003725	1,203.36	3,230,510	0.0000000	0.00	(1,203.36)	(100.00%)	0.00%
	Total Bill Before Taxes		•	281,090.57			298,377.48	17,286.92	6.15%	88.50%
	HST		13.00%	36,541.77		13.00%	38,789.07	2,247.30	6.15%	11.50%
	Total Bill			317,632.34			337,166.56	19,534.22	6.15%	100.00%

LARGE USER	(> 5000 kW)	
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			2010 BI	LL		2011 BI	LL		IMPAC1	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bi
Consumption	Monthly Service Charge			11,151.32			25,322.80	14,171.48	127.08%	5.68%
4,200,000 kWh	Distribution (kW)	10,000	1.0123	10,123.00	10,000	1.5235	15,235.00	5,112.00	50.50%	3.42%
10,000 kW	Low Voltage Rider (kW)	10,000	0.014	140.00	10,000	0.019320	193.20	53.20	38.00%	0.04%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.00%
	LRAM & SSM Rider (kW)	10,000		0.00	10,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	4,200,000	0.0000	0.00	4,200,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	10,000	(0.6827)	(6,827.00)	10,000	(0.6020)	(6,020.00)	807.00	(11.82%)	(1.35%)
	Distribution Sub-Total			14,588.88			34,732.56	20,143.68	138.08%	7.79%
	Retail Transmisssion (kW)	10,000	4.3886	43,886.00	10,000	4.409	44,090.00	204.00	0.46%	9.89%
	Delivery Sub-Total			58,474.88			78,822.56	20,347.68	34.80%	17.69%
	Other Charges (kWh)	4,376,820	0.0072	31,513.10	4,370,940	0.0072	31,470.77	(42.34)	(0.13%)	7.06%
	Cost of Power Commodity (kWh)	4,376,820	0.0650	284,493.30	4,370,940	0.0650	284,111.10	(382.20)	(0.13%)	63.75%
	SPC (kWh)	4,376,820	0.0003725	1,630.37	4,376,820	0.0000000	0.00	(1,630.37)	(100.00%)	0.00%
	Total Bill Before Taxes			376,111.65			394,404.43	18,292.78	4.86%	88.50%
	HST		13.00%	48,894.51		13.00%	51,272.58	2,378.06	4.86%	11.50%
	Total Bill			425,006.16			445,677.00	20,670.84	4.86%	100.00%

# LARGE USER (> 5000 kW)

			2010 BI	LL		2011 BI	LL		<b>IMPACT</b>	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total B
Consumption	Monthly Service Charge			11,151.32			25,322.80	14,171.48	127.08%	4.95%
4,700,000 kWh	Distribution (kW)	13,900	1.0123	14,070.97	13,900	1.5235	21,176.65	7,105.68	50.50%	4.14%
13,900 kW	Low Voltage Rider (kW)	13,900	0.014	194.60	13,900	0.019320	268.55	73.95	38.00%	0.05%
	Smart Meter Rider (per month)			1.56			1.56	0.00	0.00%	0.00%
	LRAM & SSM Rider (kW)	13,900		0.00	13,900	0.0000	0.00	0.00	#DIV/0!	0.00%
	Smart Meter Entity (\$/Month)			0.00			0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	4,700,000	0.0000	0.00	4,700,000	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	13,900	(0.6827)	(9,489.53)	13,900	(0.6020)	(8,367.80)	1,121.73	(11.82%)	(1.64%)
	Distribution Sub-Total			15,928.92			38,401.76	22,472.84	141.08%	7.50%
	Retail Transmisssion (kW)	13,900	4.3886	61,001.54	13,900	4.409	61,285.10	283.56	0.46%	11.98%
	Delivery Sub-Total			76,930.46			99,686.86	22,756.40	29.58%	19.48%
	Other Charges (kWh)	4,897,870	0.0072	35,264.66	4,891,290	0.0072	35,217.29	(47.38)	(0.13%)	6.88%
	Cost of Power Commodity (kWh)	4,897,870	0.0650	318,361.55	4,891,290	0.0650	317,933.85	(427.70)	(0.13%)	62.13%
	SPC (kWh)	4,897,870	0.0003725	1,824.46	4,897,870	0.0000000	0.00	(1,824.46)	(100.00%)	0.00%
	Total Bill Before Taxes			432,381.13			452,838.00	20,456.87	4.73%	88.50%
	HST		13.00%	56,209.55		13.00%	58,868.94	2,659.39	4.73%	11.50%
	Total Bill		•	488.590.68		•	511,706.94	23,116.26	4.73%	100.00%

		S	treet Li	ighting						
			2010 BI	LL		2011 BI	LL		IMPAC1	•
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of To
Billing Determinants	Monthly Service Charge	6,677	1.9700	13,153.69	6,677	2.9731	19,851.39	6,697.70	50.92%	6.4
6,677 Connections	Distribution (kW)	6,800	5.2585	35,757.80	6,800	7.9361	53,965.48	18,207.68	50.92%	17.
2,400,000 kWh	Low Voltage Rider (kW)	6,800	0.0095	64.60	6,800	0.014390	97.85	33.25	51.47%	0.0
6,800 kW	LRAM & SSM Rider (kW)	6,800		0.00	6,800	0.0000	0.00	0.00	#DIV/0!	0.0
	Late Payment (kWh)	2,400,000	0.0000	0.00	2,400,000	0.0000	0.00	0.00	#DIV/0!	0.0
	Deferrral & Variance Acct (kW)	6,800	(0.8654)	-5,884.72	6,800	(0.6146)	(4,179.28)	1,705.44	(28.98%)	(1.3
	Distribution Sub-Total			43,091.37			69,735.44	26,644.07	61.83%	22.
	Retail Transmisssion (kW)	6,800	3.0113	20,476.84	6,800	3.02530	20,572.04	95.20	0.46%	6.7
	Delivery Sub-Total			63,568.21			90,307.48	26,739.27	42.06%	29.
	Other Charges (kWh)	2,501,040	0.0072	18,007.49	2,497,680	0.0072	17,983.30	(24.19)	(0.13%)	5.8
	Cost of Power Commodity (kWh)	2,501,040	0.0650	162,567.60	2,497,680	0.0650	162,349.20	(218.40)	(0.13%)	53.
	SPC (kWh)	2,501,040	0.0003725	931.64	2,501,040	0.0000000	0.00	(931.64)	(100.00%)	0.0
	Total Bill Before Taxes			245,074.94			270,639.98	25,565.04	10.43%	88.
	HST		13.00%	31,859.74		13.00%	35,183.20	3,323.46	10.43%	11.
	Total Bill			276,934.68			305,823.17	28,888.50	10.43%	100

		S	treet Li	ghting						
			2010 BI	LL		2011 BI	LL	IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Billing Determinants	Monthly Service Charge	1	1.9700	1.97	1	2.9731	2.97	1.00	50.92%	27.91%
1 Connections	Distribution (kW)	0	5.2585	0.89	0	7.9361	1.35	0.46	50.92%	12.66%
62.47 kWh	Low Voltage Rider (kW)	0	0.0095	0.00	0	0.014390	0.00	0.00	51.47%	0.02%
0.17 kW	LRAM & SSM Rider (kW)	0		0.00	0	0.0000	0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	62	0.0000	0.00	62	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kW)	0	(0.8654)	-0.15	0	(0.6146)	(0.10)	0.04	(28.98%)	(0.98%)
	Distribution Sub-Total			2.72			4.22	1.50	55.24%	39.61%
	Retail Transmisssion (kW)	0	3.0113	0.51	0	3.0253	0.51	0.00	0.46%	4.83%
	Delivery Sub-Total			3.23			4.73	1.50	46.56%	44.44%
	Other Charges (kWh)	65	0.0072	0.47	65	0.0072	0.47	(0.00)	(0.13%)	4.39%
	Cost of Power Commodity (kWh)	65	0.0650	4.23	65	0.0650	4.23	(0.01)	(0.13%)	39.66%
	SPC (kWh)	65	0.0003725	0.02	65	0.0000000	0.00	(0.02)	(100.00%)	0.00%
	Total Bill Before Taxes			7.95			9.43	1.47	18.52%	88.50%
	HST		13.00%	1.03		13.00%	1.23	0.19	18.52%	11.50%
	Total Bill			8.99			10.65	1.67	18.52%	100.00%

		Se	ntinel l	_ighting						
			2010 BI	LL		2011 BI	LL		IMPACT	•
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of To
Billing Determinants	Monthly Service Charge	721	2.8900	2,083.69	721	5.3397	3,849.92	1,766.23	84.76%	23.0
721 Connections	Distribution (kW)	216	7.9297	1,712.82	216	14.6513	3,164.68	1,451.87	84.76%	18.9
97,008 kWh	Low Voltage Rider (kW)	216	0.0097	2.10	216	0.015270	3.30	1.20	57.42%	0.0
216 kW	LRAM & SSM Rider (kW)	216		0.00	216	0.0000	0.00	0.00	#DIV/0!	0.0
	Late Payment (kWh)	97,008	0.0000	0.00	97,008	0.0000	0.00	0.00	#DIV/0!	0.0
	Deferrral & Variance Acct (kW)	216	(1.3797)	-298.02	216	(0.8463)	(182.80)	115.21	(38.66%)	(1.0
	Distribution Sub-Total			3,500.59			6,835.10	3,334.52	95.26%	40.8
	Retail Transmisssion (kW)	216	3.137	677.59	216	3.1513	680.68	3.09	0.46%	4.0
	Delivery Sub-Total			4,178.18			7,515.78	3,337.61	79.88%	44.9
	Other Charges (kWh)	101,092	0.0072	727.86	100,956	0.0072	726.88	(0.98)	(0.13%)	4.3
	Cost of Power Commodity (kWh)	101,092	0.0650	6,570.98	100,956	0.0650	6,562.15	(8.83)	(0.13%)	39.2
	SPC (kWh)	101,092	0.0003725	37.66	101,092	0.0000000	0.00	(37.66)	(100.00%)	0.0
	Total Bill Before Taxes			11,514.68			14,804.82	3,290.14	28.57%	88.
	HST		13.00%	1,496.91		13.00%	1,924.63	427.72	28.57%	11.5
	Total Bill			13,011.59			16,729.45	3,717.86	28.57%	100.

		Se	ntinel l	Lighting						
			2010 BI	LL		2011 BI	LL	IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total
Billing Determinants	Monthly Service Charge	1	2.8900	2.89	1	5.3397	5.34	2.45	84.76%	23.00%
1 Connections	Distribution (kW)	0	7.9297	2.38	0	14.6513	4.40	2.02	84.76%	18.949
134.55 kWh	Low Voltage Rider (kW)	0	0.0097	0.00	0	0.015270	0.00	0.00	57.42%	0.02%
0.30 kW	LRAM & SSM Rider (kW)	0		0.00	0	0.0000	0.00	0.00	#DIV/0!	0.00%
	Late Payment (kWh)	135	0.0000	0.00	135	0.0000	0.00	0.00	#DIV/0!	0.009
	Deferrral & Variance Acct (kW)	0	(1.3797)	-0.41	0	(0.8463)	(0.25)	0.16	(38.66%)	(1.09%
	Distribution Sub-Total			4.86			9.49	4.63	95.26%	40.87
	Retail Transmisssion (kW)	0	3.137	0.94	0	3.1513	0.95	0.00	0.46%	4.07%
	Delivery Sub-Total			5.80			10.43	4.63	79.88%	44.94
	Other Charges (kWh)	140	0.0072	1.01	140	0.0072	1.01	(0.00)	(0.13%)	4.34%
	Cost of Power Commodity (kWh)	140	0.0650	9.11	140	0.0650	9.10	(0.01)	(0.13%)	39.21
	SPC (kWh)	140	0.0003725	0.05	140	0.0000000	0.00	(0.05)	(100.00%)	0.009
	Total Bill Before Taxes			15.97			20.54	4.57	28.58%	88.50
	HST		13.00%	2.08		13.00%	2.67	0.59	28.58%	11.509
	Total Bill			18.05		·	23.21	5.16	28.58%	100.00

		Unm	etered	Scattere	ed					
			2010 BI			2011 BI			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total B
Consumption	Monthly Service Charge			9.59			10.96	1.37	14.31%	26.96%
250 kWh	Distribution (kWh)	250	0.0148	3.70	250	0.0169	4.23	0.53	14.19%	10.39%
	Low Voltage Rider (kWh)	250	0.0000	0.00	250	0.000050	0.01	0.01	#DIV/0!	0.03%
	LRAM & SSM Rider (kWh)	250	0.0001	0.03	250	0.0000	0.00	(0.03)	(100.00%)	0.00%
	Late Payment (kWh)	250	0.0000	0.00	250	0.0000	0.00	0.00	#DIV/0!	0.00%
	Deferrral & Variance Acct (kWh)	250	(0.0031)	(0.78)	250	(0.0023)	(0.58)	0.20	(25.81%)	(1.41%)
	Distribution Sub-Total			12.54			14.62	2.08	16.62%	35.97%
	Retail Transmisssion (kWh)	261	0.0099	2.58	260	0.0099	2.58	(0.00)	(0.13%)	6.33%
	Delivery Sub-Total			15.12			17.20	2.08	13.76%	42.30%
	Other Charges (kWh)	261	0.0072	1.88	260	0.0072	1.87	(0.00)	(0.13%)	4.61%
	Cost of Power Commodity (kWh)	261	0.0650	16.93	260	0.0650	16.91	(0.02)	(0.13%)	41.59%
	SPC (kWh)	261	0.0037250	0.97	261	0.0000000	0.00	(0.97)	(100.00%)	0.00%
	Total Bill Before Taxes			34.90			35.98	1.09	3.12%	88.50%
	HST		13.00%	4.54		13.00%	4.68	0.14	3.11%	11.50%
	Total Bill			39.44			40.66	1.23	3.12%	100.00%

	Unmetered Scattered												
			2010 BI	LL		2011 BI	LL	IMPACT					
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total B			
Consumption	Monthly Service Charge			9.59			10.96	1.37	14.31%	15.90%			
500 kWh	Distribution (kWh)	500	0.0148	7.40	500	0.0169	8.45	1.05	14.19%	12.26%			
	Low Voltage Rider (kWh)	500	0.0000	0.00	500	0.000050	0.03	0.03	#DIV/0!	0.04%			
	LRAM & SSM Rider (kWh)	500	0.0001	0.05	500	0.0000	0.00	(0.05)	(100.00%)	0.00%			
	Late Payment (kWh)	500	0.0000	0.00	500	0.0000	0.00	0.00	#DIV/0!	0.00%			
	Deferrral & Variance Acct (kWh)	500	(0.0031)	(1.55)	500	(0.0023)	(1.15)	0.40	(25.81%)	(1.67%)			
	Distribution Sub-Total			15.49			18.29	2.80	18.06%	26.53%			
	Retail Transmisssion (kWh)	521	0.0099	5.16	520	0.0099	5.15	(0.01)	(0.13%)	7.47%			
	Delivery Sub-Total			20.65			23.44	2.79	13.51%	34.00%			
	Other Charges (kWh)	521	0.0072	3.75	520	0.0072	3.75	(0.01)	(0.13%)	5.43%			
	Cost of Power Commodity (kWh)	521	0.0650	33.87	520	0.0650	33.82	(0.05)	(0.13%)	49.06%			
	SPC (kWh)	521	0.0037250	1.94	521	0.0000000	0.00	(1.94)	(100.00%)	0.00%			
	Total Bill Before Taxes			60.21			61.01	0.81	1.34%	88.50%			
	HST		13.00%	7.83		13.00%	7.93	0.10	1.33%	11.50%			
	Total Bill			68.04			68.94	0.91	1.34%	100.00%			

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ii) Assuming that the increased load had been incorporated into the 2011 Application, under Horizon Utilities' proposal 50% of the net distribution revenue in excess of the baseline would be shared with the Large Use customer class only. In this example, the amount above the baseline would be \$52,276 (assuming such is the net distribution revenue); 50% of this would be \$26,138. Under the option to reduce the fixed charge only, the monthly fixed charge would be reduced by \$181.51 to \$25,141.29, based on \$26,138 divided by 12 Large Use customers divided by 12 months. If the benefit of \$26,138 is applied as a variable volumetric charge, the reduction in the variable volumetric charge is \$0.0108 per kW to \$1.5127, based on \$26,138 divided by the Large Use Customer Load Forecast of 2,417,347 kW.

iii) If the benefit is shared with all customers instead of just the Large Use customer class, the benefit noted above of \$26,138 would be allocated to all customer classes on the basis of percentage of distribution revenue; for example, the Residential class would be allocated 57.03% of the benefit and GS <50 kW would be allocated 11.73%. Once the allocation of the \$26,138 is determined, the resultant amount is divided by the appropriate billing determinant to arrive at the variable volumetric change. Please see the Table below for the applicable variable distribution rates.

						Variable
			Allocation	Billing	Annual Forecast	Distribution
Custome	er Class	<u>%</u>	of Benefit	Determinant	Consumption/Demand	Rate
Residential		57.03%	\$14,907	kWh	1,580,203,371	-\$0.00001
GS < 50 kV	V	11.73%	\$3,067	kWh	552,044,772	-\$0.00001
GS > 50 kV	V	19.57%	\$5,115	kW	4,856,870	-\$0.00105
Large Use		7.61%	\$1,990	kW	2,417,347	-\$0.00082
Sentinel Lig	ghts	0.06%	\$14	kWh	502,459	-\$0.00003
Street Light	ting	2.86%	\$748	kW	111,295	-\$0.00672
USL		0.52%	\$136	kWh	12,541,586	-\$0.00001
Standby po	wer	<u>0.61%</u>	<u>\$160</u>	kW	199,012	-\$0.00080
Total		100.00%	\$26,138			

1 EB-2010-0131

DELIVERED: April 1<sup>st</sup>, 2011

# HORIZON UTILITIES CORPORATION ("HORIZON UTILITIES") RESPONSES TO BOARD STAFF INTERROGATORIES ON REVISED EVIDENCE

# 6 Question 4

5

#### 7 Reference: E3/T2/S2

- 8 a) Please confirm that the only update to the Cost of Power is related to Large Use
- 9 customer consumption on an actual (2010) and forecast (2011) basis.
- b) If confirmed in part a) above, please explain why the Cost of Power was onlyupdated for the Large User class.
- 12 **c)** In its cover letter, dated March 14, 2011, Horizon indicated that the cost of power
- for 2010 has increased from \$405,114,406 to \$422,201,551 while the cost of power for
- 2011 has increased from \$394,028,103 to \$395,726,409. Please provide a breakdown
- of the two changes identified, including all relevant calculations.

#### 16 Response:

- 17 a) Horizon Utilities confirms that the Cost of Power updates are related to Large
- Use consumption on an actual (2010) and forecast (2011) basis. Please see Horizon
- 19 Utilities' response to Energy Probe Revised Evidence Question 1 for the revised
- commodity cost of power with updates to the RPP/non-RPP volume split and updated
- 21 non-RPP prices.
- 22 **b)** Horizon Utilities updated the load forecast and consequently the Cost of Power
- for the Large Use customer class only, based on more up to date information available
- 24 at this time.
- c) Please see below for Horizon Utilities' breakdown of the two changes identified,
- including relevant calculations for 2010 and 2011.

# 2010 COST OF POWER FORECAST CALCULATION Filed August 26,2010

# REVISED 2010 COST OF POWER FORECAST CALCULATION Revised March 14, 2011

Electricity - Commodity	2010	2010		2010	1	Electricity - Commodity	2010	2010		2010	1	2010
	Forecasted	Loss		Cost Of			Forecasted	Loss		Cost Of		
Class per Load Forecast	Metered	Factor	Uplifted	Energy	Total Cost	Class per Load Forecast	Metered	Factor	Uplifted	Energy	Total Cost	Difference
Residential	1,628,908,491	1.0421		_		Residential	1,628,908,491	1.0421				
- Rpp			1,654,539,154		\$114,791,927	- Rpp			1,654,539,154		\$114,791,927	-
- Non Rpp GS<50kW	578,962,541	1.0421	42,946,384	0.06438	\$2,764,888	- Non Rpp GS<50kW	578,962,541	1 0404	42,946,384	0.06438	\$2,764,888	-
- Rpp	370,902,341	1.0421	603,095,529	0.06938	\$41,842,768	- Rpp	370,902,341	1.0421	603,095,529	0.06938	\$41,842,768	
- Non Rpp			241,335	0.06438	\$15,537	- Non Rpp			241,335	0.06438	\$15,537	
GS>50kW	1,834,063,279	1.0421	,		***,***	GS>50kW	1.834.063.279	1.0421	,		***,***	
- Rpp	,,		323,196,999	0.06938	\$22,423,408	- Rpp	,,		323,196,999	0.06938	\$22,423,408	-
- Non Rpp			1,588,080,344	0.06438	\$102,240,613	- Non Rpp			1,588,080,344	0.06438	\$102,240,613	-
Large User	693,689,836	1.0067		_		Large User	704,134,030	1.0067				-
- Rpp			0	0.06938	\$0	- Rpp			0	0.06938	\$0	
- Non Rpp	40.055.000	4 0404	698,337,558	0.06438	\$44,958,972	- Non Rpp	40.055.000	4.0404	708,851,728	0.06438	\$45,635,874	\$676,902
Unmetered Scattered Load - Rpp	12,655,292	1.0421	13,188,080	0.06938	\$914,989	Unmetered Scattered Load - Rpp	12,655,292	1.0421	13,188,080	0.06938	\$914,989	
- Non Rpp			0,100,000	0.06438	\$0	- Non Rpp			10,100,000	0.06438	\$0	
Sentinel Lighting	518,043	1.0421	1		**	Sentinel Lighting	518,043	1.0421			4.5	
- Rpp			539,853	0.06938	\$37,455	- Rpp			539,853	0.06938	\$37,455	
- Non Rpp			0	0.06438	\$0	- Non Rpp			0	0.06438	\$0	-
Street Lighting	39,732,373	1.0421		_		Street Lighting	39,732,373	1.0421				-
- Rpp			256,712	0.06938	\$17,811	- Rpp			256,712	0.06938	\$17,811	-
- Non Rpp	4 700 500 055		41,148,394	0.06438	\$2,649,134	- Non Rpp	4 = 22 2 = 4 2 4 2		41,148,394	0.06438	\$2,649,134	-
TOTAL	4,788,529,855		4,965,570,342		\$332,657,500	TOTAL	4,798,974,049		4,976,084,512		\$333,334,403	\$676,902
Transmission - Network	1	Volume				Transmission - Network	1	Volume				2010
Class per Load Forecast		Metric		2010		Class per Load Forecast		Metric		2010		Difference
Residential		kWh	1,697,485,538	\$0.0059	\$10,015,165	Residential		kWh	1,697,485,538	\$0.0059	\$10,015,165	-
GS<50kW		kWh	603,336,864	\$0.0052	\$3,137,352	GS<50kW		kWh	603,336,864	\$0.0052	\$3,137,352	
GS>50kW		kW	5,001,542	\$2.0572	\$10,289,172	GS>50kW		kW	5,001,542	\$2.0572	\$10,289,172	-
Large User		KW	3,044,901	\$2.3501	\$7,155,822	Large User		KW	2,853,449	\$2.3501	\$6,705,890	(\$449,931)
Unmetered Scattered Load		kWh	13,188,080	\$0.0053	\$69,897	Unmetered Scattered Load		kWh	13,188,080	\$0.0053	\$69,897	-
Sentinel Lighting		kW	1,465	\$1.7095	\$2,504	Sentinel Lighting		kW	1,465	\$1.7095	\$2,504	
Street Lighting TOTAL		kW	110,533	\$1.6195	\$179,008 <b>\$30.848.920</b>	Street Lighting TOTAL		kW	110,533	\$1.6195	\$179,008 <b>\$30,398,989</b>	(\$449,931)
TOTAL					\$30,040,920	TOTAL					\$30,350,505	(\$445,531)
Transmission - Connection	n	Volume				Transmission - Connection	n	Volume				2010
Class per Load Forecast	Ī	Metric		2010		Class per Load Forecast	Γ	Metric		2010		Difference
Residential		kWh	1,697,485,538	\$0.0049	\$8,317,679	Residential		kWh	1,697,485,538	\$0.0049	\$8,317,679	-
GS<50kW		kWh	603,336,864	\$0.0045	\$2,715,016	GS<50kW		kWh	603,336,864	\$0.0045	\$2,715,016	-
GS>50kW		kW	5,001,542	\$1.7739	\$8,872,235	GS>50kW		kW	5,001,542	\$1.7739	\$8,872,235	
Large User		KW kWh	3,044,901 13,188,080	\$2.0385	\$6,207,031	Large User		KW	2,853,449	\$2.0385 \$0.0046	\$5,816,756	(\$390,275)
Unmetered Scattered Load Sentinel Lighting		kW	1,465	\$0.0046 \$1.4275	\$60,665 \$2,091	Unmetered Scattered Load Sentinel Lighting		kWh kW	13,188,080 1,465	\$1.4275	\$60,665 \$2,091	
Street Lighting		kW	110,533	\$1.3918	\$153,840	Street Lighting		kW	110,533	\$1.3918	\$153,840	
TOTAL			110,000	ψ1.0010	\$26,328,557	TOTAL			110,000	<b>\$1.0010</b>	\$25,938,282	(\$390,275)
Wholesale Market Service		Volume				Wholesale Market Service	e	Volume				2010
Class per Load Forecast		Metric		2010		Class per Load Forecast		Metric		2010		Difference
Residential		kWh	1,697,485,538	\$0.0052	\$8,826,925	Residential		kWh	1,697,485,538	\$0.0052	\$8,826,925	
GS<50kW GS>50kW		kWh kW	603,336,864 5,001,542	\$0.0052 \$0.0052	\$3,137,352 \$26,008	GS<50kW GS>50kW		kWh kWh	603,336,864	\$0.0052 \$0.0052	\$3,137,352 \$9,938,642	\$9,912,634
Large User		KW	3,044,901	\$0.0052	\$26,006	Large User		kWh	1,911,277,343 708,851,728	\$0.0052	\$3,686,029	\$3,670,196
Unmetered Scattered Load		kWh	13,188,080	\$0.0052	\$68,578	Unmetered Scattered Load		kWh	13,188,080	\$0.0052	\$68,578	40,070,130
Sentinel Lighting		kW	1,465	\$0.0052	\$8	Sentinel Lighting		kWh	539,853	\$0.0052	\$2,807	\$2,800
Street Lighting		kW	110,533	\$0.0052	\$575	Street Lighting		kWh	41,405,106	\$0.0052	\$215,307	\$214,732
TOTAL					\$12,075,278	TOTAL					\$25,875,639	\$13,800,361
Rural Rate Assistance		Volume				Rural Rate Assistance		Volume				2010
Class per Load Forecast Residential		Metric kWh	1,697,485,538	<b>2010</b> \$0.0013	\$2,206,731	Class per Load Forecast Residential		Metric kWh	1,697,485,538	<b>2010</b> \$0.0013	\$2,206,731	Difference
GS<50kW		kWh	603,336,864	\$0.0013		GS<50kW		kWh	603,336,864		\$784,338	
GS>50kW		kW	5,001,542			GS>50kW		kWh	1,911,277,343		\$2,484,661	\$2,478,159
Large User		KW	3,044,901	\$0.0013	\$3,958	Large User		kWh	708,851,728		\$921,507	\$917,549
Unmetered Scattered Load		kWh	13,188,080	\$0.0013	\$17,145	Unmetered Scattered Load		kWh	13,188,080		\$17,145	- '
Sentinel Lighting		kW	1,465	\$0.0013	\$2	Sentinel Lighting		kWh	539,853	\$0.0013	\$702	\$700
Street Lighting		kW	110,533	\$0.0013	\$144	Street Lighting		kWh	41,405,106		\$53,827	\$53,683
TOTAL					\$3,018,820	TOTAL					\$6,468,910	\$3,450,090
le:: .		1				D		ı				D:#
Filed	2010					Revised	2010					Difference
4705-Power Purchased	\$332,657,500					4705-Power Purchased	\$333,334,403					\$676,902
4708-Charges-WMS	\$12,075,278					4708-Charges-WMS	\$25,875,639					\$13,800,361
4714-Charges-NW	\$30,848,920					4714-Charges-NW	\$30,398,989					(\$449,931)
4716-Charges-CN	\$26,328,557					4716-Charges-CN	\$25,938,282					(\$390,275)
4730-Rural Rate Assistance		1				4730-Rural Rate Assistance		1				\$3,450,090
4750-Low Voltage	\$185,331 <b>\$405,114,406</b>					4750-Low Voltage TOTAL	\$185,331 \$422,201,554					\$17,087,147

#### 2011 COST OF POWER FORECAST CALCULATION Filed August 26,2010

#### **REVISED 2011 COST OF POWER FORECAST CALCULATION** Revised March 14, 2011

						Revised Watch 14, 2011						
Electricity - Commodity	2011	2011		2011		Electricity - Commodity	2011	2011		2011		2011
Class par Load Earnast	Forecasted Metered	Loss Factor	Uplifted	Cost Of	Total Cost	Class per Load Forecast	Forecasted Metered	Loss Factor	Uplifted	Cost Of	Total Cost	Difference
Class per Load Forecast Residential		1.0410	Opinted	Energy	Total Cost	Residential	1,580,203,371		Oplited	Energy	Total Cost	Dillerence
- Rpp	1,000,200,01		1,603,373,419	0.06938	\$111,242,048	- Rpp	1,000,200,07	1.0110	1,603,373,419	0.06938	\$111,242,048	
- Non Rpp			41,618,290	0.06438	\$2,679,386	- Non Rpp			41,618,290	0.06438	\$2,679,386	
GS<50kW	552,044,772	1.0410				GS<50kW	552,044,772	1.0410				
- Rpp			574,448,736	0.06938		- Rpp			574,448,736		\$39,855,253	
- Non Rpp	4 704 040 000	4 0404	229,871	0.06438	\$14,799	- Non Rpp	4 704 040 000	4 0 404	229,871	0.06438	\$14,799	
GS>50kW - Rpp	1,781,012,386	1.0421	313,848,418	0 06038	\$21,774,803	GS>50kW - Rpp	1,781,012,386	1.0421	313,848,418	0.06938	\$21,774,803	1 1
- Non Rpp			1,542,144,590	0.06438		- Non Rpp			1,542,144,590		\$99,283,269	1 :
Large User	693,689,836	1.0067	.,,,		<b>,</b>	Large User	520,292,236	1.0067	.,,,,		***,=**,=**	
- Rpp			0	0.06938	\$0	- Rpp			0	0.06938	\$0	
- Non Rpp			698,337,558	0.06438	\$44,958,972	- Non Rpp			523,778,194	0.06438	\$33,720,840	(\$11,238,132)
Unmetered Scattered Load	12,541,586	1.0410	40.055.704	0.00000	<b>₽005 044</b>	Unmetered Scattered Load	12,541,586	1.0410	40.055.704	0.00000	\$005.044	
- Rpp - Non Rpp			13,055,791	0.06938 0.06438	\$905,811 \$0	- Rpp - Non Rpp			13,055,791	0.06938 0.06438	\$905,811 \$0	1 :
Sentinel Lighting	502,459	1 0410	U	0.00436	\$0	Sentinel Lighting	502,459	1 0410	0	0.00436	ΦΟ	1 :
- Rpp	002, 100		523,060	0.06938	\$36,290	- Rpp	002,100	1.0110	523,060	0.06938	\$36,290	
- Non Rpp			0	0.06438	\$0	- Non Rpp			0	0.06438	\$0	
Street Lighting	40,006,298	1.0410				Street Lighting	40,006,298	1.0410				
- Rpp			258,209	0.06938	\$17,915	- Rpp			258,209		\$17,915	
- Non Rpp	4 000 000 700		41,388,348	0.06438	\$2,664,582	- Non Rpp	4 400 000 400		41,388,348	0.06438	\$2,664,582	-
TOTAL	4,660,000,708		4,829,226,289		\$323,433,127	TOTAL	4,486,603,108		4,654,666,925		\$312,194,995	(\$11,238,132)
Transmission - Network	1	Volume				Transmission - Network	l	Volume	· · · · · · · · · · · · · · · · · · ·		1	2011
Class per Load Forecast		Metric		2011		Class per Load Forecast		Metric		2011		Difference
Residential		kWh	1,644,991,709		\$9,705,451	Residential		kWh	1,644,991,709		\$9,705,451	
GS<50kW		kWh	574,678,608		\$2,988,329	GS<50kW		kWh	574,678,608		\$2,988,329	
GS>50kW		kW	4,856,870		\$9,991,553	GS>50kW		kW	4,856,870		\$9,991,553	(04 474 045)
Large User Unmetered Scattered Load		KW kWh	3,044,901 13,055,791		\$7,155,822 \$69,196	Large User Unmetered Scattered Load		KW kWh	2,417,347 13,055,791		\$5,681,007 \$69,196	(\$1,474,815)
Sentinel Lighting		kW		\$1.7095	\$2,429	Sentinel Lighting		kW	1,421	\$1.7095	\$2,429	1 :
Street Lighting		kW	111,295		\$180,242	Street Lighting		kW	111,295		\$180,242	
TOTAL					\$30,093,022	TOTAL					\$28,618,207	(\$1,474,815)
- · · · · ·												
Transmission - Connectio Class per Load Forecast	<u>n</u>	Volume Metric		2011		Transmission - Connectio Class per Load Forecast	<u>n</u>	Volume Metric	! 	2011		2011 Difference
Residential		kWh	1,644,991,709		\$8,060,459	Residential		kWh	1,644,991,709		\$8,060,459	- Dillerence
GS<50kW		kWh	574,678,608		\$2,586,054	GS<50kW		kWh	574,678,608		\$2,586,054	
GS>50kW		kW	4,856,870		\$8,615,602	GS>50kW		kW	4,856,870		\$8,615,602	
Large User		KW	3,044,901		\$6,207,031	Large User		KW	2,417,347		\$4,927,762	(\$1,279,269)
Unmetered Scattered Load		kWh	13,055,791		\$60,057	Unmetered Scattered Load		kWh	13,055,791		\$60,057	
Sentinel Lighting		kW kW		\$1.4275	\$2,028 \$154,900	Sentinel Lighting		kW kW	1,421		\$2,028 \$154,900	
Street Lighting TOTAL		KVV	111,295	\$1.3910	\$25,686,131	Street Lighting TOTAL		KVV	111,295	\$1.3910	\$24,406,862	(\$1,279,269)
					<b>V</b> =0,000,101						<del>1</del> = 1,100,000	(+:,=:::,=::)
Wholesale Market Service	9	Volume				Wholesale Market Service	2	Volume	1			2011
Class per Load Forecast Residential		Metric kWh	1,644,991,709	2011	\$8,553,957	Class per Load Forecast Residential		Metric kWh	1,644,991,709	<b>2011</b> \$0.0052	\$8,553,957	Difference
GS<50kW		kWh	574,678,608		\$2,988,329	GS<50kW		kWh	574,678,608		\$2,988,329	1 :
GS>50kW		kW	4,856,870		\$25,256	GS>50kW		kWh	1,855,993,007		\$9,651,164	\$9,625,908
Large User		KW	3,044,901		\$15,833	Large User		kWh	523,778,194		\$2,723,647	\$2,707,813
Unmetered Scattered Load		kWh	13,055,791		\$67,890	Unmetered Scattered Load		kWh	13,055,791	\$0.0052	\$67,890	
Sentinel Lighting		kW		\$0.0052	\$7	Sentinel Lighting		kWh	523,060		\$2,720	\$2,713
Street Lighting TOTAL		kW	111,295	\$0.0052	\$579	Street Lighting TOTAL		kWh	41,646,556	\$0.0052	\$216,562	\$215,983
TOTAL		l			\$11,651,851	TOTAL					\$24,204,268	\$12,552,417
Rural Rate Assistance		Volume				Rural Rate Assistance		Volume	ı			2011
Class per Load Forecast		Metric		2011		Class per Load Forecast		Metric		2011		Difference
Residential		kWh	1,644,991,709		\$2,138,489	Residential		kWh	1,644,991,709		\$2,138,489	
GS<50kW		kWh	574,678,608		\$747,082	GS<50kW		kWh	574,678,608		\$747,082	
GS>50kW Large User		kW KW	4,856,870 3,044,901	\$0.0013	\$6,314 \$3,958	GS>50kW Large User		kWh kWh	1,855,993,007 523,778,194		\$2,412,791 \$680,912	\$2,406,477 \$676,953
Unmetered Scattered Load		kWh	13,055,791		\$16,973	Unmetered Scattered Load		kWh	13,055,791		\$16,973	\$070,933
Sentinel Lighting	1	kW		\$0.0013	\$10,373	Sentinel Lighting		kWh	523,060		\$680	\$678
Street Lighting		kW		\$0.0013	\$145	Street Lighting		kWh	41,646,556		\$54,141	\$53,996
TOTAL					\$2,912,963	TOTAL					\$6,051,067	\$3,138,104
	2011	1					2011	I				Difference
	2011						2011					Dilletelice
4705-Power Purchased	\$323,433,127					4705-Power Purchased	\$312,194,995					(\$11,238,132)
4708-Charges-WMS	\$11,651,851					4708-Charges-WMS	\$24,204,268					\$12,552,417
4714-Charges-NW	\$30,093,022	ĺ				4714-Charges-NW	\$28,618,207					(\$1,474,815)
4716-Charges-CN	\$25,686,131					4716-Charges-CN	\$24,406,862					(\$1,279,269)
4730-Rural Rate Assistance 4750-Low Voltage	\$2,912,963 \$251,010					4730-Rural Rate Assistance 4750-Low Voltage	\$6,051,067 \$251,010					\$3,138,104
TOTAL	\$394,028,103	1				TOTAL	\$395,726,409	1				\$1,698,306
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