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Friday, August 30, 2013

Ontario Energy Board  
P.O. Box 2319, 27<sup>th</sup> Floor  
2300 Yonge Street  
Toronto, ON  
M4P 1E4

Attention: Kristen Walli, Board Secretary

Dear Ms. Walli:

**Re: North Bay Hydro Distribution Ltd. – Application for 2014 Electricity Distribution Rates – EB-2013-0157**

North Bay Hydro Distribution Ltd. (NBHDL) is pleased to submit to the Ontario Energy Board (the "Board") its 2014 electricity distribution rate application, in accordance with the Board letter dated August 16, 2013 that directs the company to file its electricity distribution rate application by August 30, 2013. In the case of NBHDL, this application is a 3rd Generation Incentive Rate ("IRM3") application.

The filing requirements indicate that each application should include:

- A Manager's Summary documenting and explaining all rate adjustments applied for;
- The primary contact information for the IRM application;
- A completed Rate Generator model with supplemental filing modules or work forms, provided by the Board, both in electronic (i.e. Excel) and PDF form;
- A PDF copy of the current Tariff Sheet;
- Supporting documentation cited within the application; and
- Statement as to which publication the applicant's notice will be appearing.

The completed 2014 IRM3 models are attached along with supporting documentation, tariff sheets and bill impact information. In addition, NBHDL is seeking recovery of smart meter capital and OM&A costs. The Manager's Summary for NBHDL's 2014 rate application is attached to this letter.

The primary contact for this application is Melissa Casson, Regulatory Manager. Contact details are below.

Consistent with the Board's requirement for the publication of a notice of application, NBHDL confirms that its notice of application will appear in the following publication:

The North Bay Nugget  
259 Worthington West  
North Bay, ON P1B 3B4

NBHDL confirms that the North Bay Nugget is a paid publication with a readership and paid circulation of approximately 15,000.

NBHDL's 2014 electricity distribution rate application will be sent to you in the following form:

- (a) Electronic filing through the Board's web portal, consisting of one (1) electronic copy of the application in searchable / unrestricted PDF format and one (1) electronic copy in Microsoft Excel format of the completed Rate Generator along with supplemental filing work forms;
- (b) Two (2) paper copies of the application, the Manager's Summary and the IRM Models, along with a CD of the above (item (a)).

We would be pleased to provide any further information or details that you may require relative to this application.

Yours truly,

*Original signed by*

Melissa Casson  
Regulatory Manager  
North Bay Hydro Distribution Limited  
(705) 474-8100 (300)  
mcasson@northbayhydro.com

# NORTH BAY HYDRO DISTRIBUTION LTD.

EB-2013-0157

## MANAGER'S SUMMARY

AUGUST 30, 2013

North Bay Hydro Distribution Ltd. (NBHDL) is a licensed electricity distributor (ED-2003-0024) that owns and operates electricity distribution systems that provide service to the City of North Bay. NBHDL charges its customers distribution rates and other charges as authorized by the Ontario Energy Board ("Board"). In this application, NBHDL is applying for rates and other charges effective May 1, 2014.

NBHDL has adhered to the Board's directions in completing the Board approved IRM3 rate models and incorporated the necessary adjustments. This Manager's Summary will address the following items:

- 1) Annual Adjustment Mechanism
- 2) Low Voltage Service Charges
- 3) LRAM
- 4) Retail Transmission Service Rates
- 5) Deferral and Variance Account Rider
- 6) Tax Changes
- 7) Prudence Review of Smart Meter Costs
- 8) Conclusion

Appendices are as follows:

- Appendix A – 2014 Proposed Tariff of Rates and Charges
- Appendix B – Bill Impacts
- Appendix C - Current Tariff of Rates and Charges
- Appendix D - NBHDL 2010 Draft Rate Order
- Appendix E – 2012 IRM Decision and Order
- Appendix F - 2012 RRR E2.1.5 – Customers, Demand and Revenue
- Appendix G – 2014 IRM Rate Generator Model
- Appendix H – 2014 RTSR Model
- Appendix I – 2014 Shared Tax Savings Model
- Appendix J – Prudence Review of Smart Meter Costs – Application for Recovery of Smart Meter Capital and OM&A Costs

### **1) Annual Adjustment Mechanism**

The annual adjustment mechanism is defined as the annual percentage change in the inflation factor less an X-factor (i.e.; productivity factor and a stretch factor). For the purposes of preparing the 2014 application, the Board expects NBHDL to use a proxy for the annual adjustment mechanism; accordingly, NBHDL's electricity distribution rates for 2014 have been adjusted for the three factors using a proxy of .48%. NBHDL understands that the Board will update NBHDL's Rate Generator model when the final parameters are established by the Board.

### **2) Low Voltage Service Charges**

For 2014 rates, NBHDL proposes to maintain the low voltage service charge rates as approved in its current tariff sheet.

### **3) LRAM**

NBHDL's current rate rider for LRAM (2012) has a sunset date of April 30, 2014.

### **4) Retail Transmission Service Rates**

The Board's Guideline *G-2008-0001 - Electricity Distribution Retail Transmission Service Rates* - was amended July 8, 2010 to reflect a new approach expected to minimize variances in USoA Accounts 1584 and 1586. Retail Transmission Service Rates (RTSR) are to be adjusted based on a comparison of historical transmission costs adjusted for new UTR levels and revenues generated from existing RTSRs. Board prepared model "2014 RTSR Model V4.0\_20130715" was completed to calculate NBHDL's rates by class.

The rates entered in "3. Rate Classes" of the "2014 RTSR Model\_V4.0\_20130715" are taken from the most recent Board-approved Tariff of Rates and Charges (EB-2012-0152). A copy of the Tariff can be found in Appendix "C". The billing determinants included in "4. RRR Data" are those found in NBHDL's most recently reported RRR filing; the 2012 annual filing, *E2.1.5 – Customers, Demand and Revenue* (see Appendix "F"). The loss factor applied to the metered kWh can also be found in NBHDL's current Tariff in Appendix "C". Historical Network and Connection amounts included in "6. Historical Wholesale" are based on 2012 IESO invoices and 2012 Hydro One invoices for embedded supply. In order to obtain the kW values shown, the billed amounts by category were divided by the UTR.

NBHDL understands that once January 1, 2014 UTR adjustments are determined, the Board will adjust NBHDL's application model to incorporate this change.

## **5) Deferral and Variance Account Rider**

The *Report of the Board on Electricity Distributors' Deferral and Variance Account Review Report* (the "EDDVAR Report") provides that during the IRM term, distributor's Group 1 audited account balances will be reviewed and disposed if the preset disposition threshold of \$.001 per kWh (debit or credit) is exceeded.

The input requirements of "5. 2014 Continuity Schedule" in the "2014 IRM Rate Generator V2.3" model for Group 1 account balances calculates a total credit variance of (\$719,448). This amount represents the December 31, 2012 audited balances with interest projected to April 30, 2014 calculated using Board prescribed interest rates. The Threshold Test determined a credit rate of (\$.0013) per kWh which meets the threshold test of \$.001 per kWh established by the Board.

In order to determine a separate rate rider for the Global Adjustment sub-account, NBHDL has determined the kWh billed in 2012 to all non-RPP customers using the same parameters as reported in the annual RRR filing (*E2.1.5 – Customers, Demand and Revenue*). NBHDL has used 2012 volumetric data as submitted to the Board in the 2012 annual filing *E2.1.5 – Customers, Demand and Revenue* (see Appendix "F") for the derivation of the rate rider for the other applicable Group 1 account balances.

The current deferral and variance account disposition rider and global adjustment rider expire April 30, 2014. NBHDL is requesting disposition of 2012 Group 1 balances over a one year period by way of a volumetric rate rider from May 1, 2014 to April 30, 2015.

## **6) Tax Changes**

In its 2010 COS application, NBHDL had \$686,307 approved for income and capital taxes. The Board has determined that currently known tax changes from the level reflected in the Board-approved base rates will be reflected in the IRM adjustments.

Based on this rationale, it is NBHDL's assumption that the "2014 IRM Tax Sharing Model V1.1" should calculate an identical grossed up tax amount as was approved in the 2010 COS decision for which to base estimated 2013 tax savings. Consistent with its 2011, 2012 and 2013 IRM decisions on tax savings, NBHDL has assumed a taxable income of \$2,313,638 at the approved effective tax rate of 28.72% which results in a grossed up tax amount of \$664,477. Based on this information the overall corporate income tax rate is expected to decrease to 24.99%, along with the elimination of the capital tax in Ontario, which results in a slightly lower tax forecast in 2014 of \$578,114 as compared to the 2010 Cost of Service decision. 50% of the incremental change should be passed onto NBHDL customers as a Z-Factor refund of (\$54,006).

The billing determinants included in tab “3. Re-Based Bill Det & Rates” of the “2014 IRM Tax Sharing Model V1.1” are based on NBHDLs most recent Board-approved billing determinants (EB-2009-0270). A copy of NBHDL’s DRO is included in Appendix “D”. Within the DRO, please see Appendix E for a copy of the approved load forecast with customer / connection figures and kWh / kW. The rates entered in this tab are taken from the most recent Board-approved Tariff of Rates and Charges (EB-2012-0152). A copy of the Tariff can be found in Appendix “C”. The input requirements of tab “5. Z-Factor Tax Changes” can also be verified in Appendix “D” – the 2010 DRO includes Appendix G which contains NBHDL’s approved tax credits, regulatory taxable income, taxable capital amounts, effective tax rate and the final approved PILs amount, including capital tax.

Consistent with the Board’s decision on the Shared Tax Savings Adjustment in NBHDL’s 2012 IRM Decision and Order (EB-2011-0187 - see Appendix “E”), which had a similar refund amount, NBHDL seeks disposition of the amount over a one year period from May 1, 2014 to April 30, 2015.

#### **7) Prudence Review of Smart Meter Costs**

NBHDL is seeking recovery of smart meter capital and OM&A costs related to minimum functionality in accordance with the Board’s Guideline on Smart Meter Funding and Cost Recovery – Final Disposition (G-2011-0001) dated December 15, 2011. These costs were incurred by NBHDL in order to support Provincial policy objectives. The cost recovery is based on actual audited costs incurred to the end of 2012, actual costs to June 2013 and forecasted costs for the remainder of 2013 and 2014.

NBHDL is requesting a Smart Meter Disposition Rate Rider (per metered customer per month) from May 1, 2014 to April 30, 2015 for Residential and General Service <50kW customers to recover the Net Deferred Revenue Requirement of \$574,853 being the difference between the Deferred Incremental Revenue Requirement from 2006 to 2013 of \$2,207,161 including interest and the SMFA Revenues collected from 2006 to 2013 of \$1,632,308 including interest to 2014. NBHDL is also requesting a Smart Meter Incremental Revenue Requirement Rate Rider to commence May 1, 2014 for Residential Customers and General Service <50kW customers and this Rate Rider reflects the 2014 Incremental Revenue Requirement in the amount of \$451,412.

The application for recovery of smart meter costs and the resulting rate riders can be found in Appendix “J”.

## **8) Conclusion**

In order to assist in mitigating the rate impact on customers from the SMDR and SMIRR NBHDL sought to align the addition of these riders with those expiring April 30<sup>th</sup>, 2014. In addition NBHDL is seeking to dispose of Group 1 balances and the Shared Tax Savings refund, as mentioned in Sections 5 and 6 above, for a total of (\$773,454); the timing and term of this disposition contributes significantly to reducing the total bill impact for customers.

The total bill impact to residential customers with a one year rate rider is under 1% when all components of the IRM are included while GS<50 kW customers will experience a total bill increase of less than 2%. NBHDL took these factors into consideration when determining the number of years over which to seek recovery for the SMDR, the Group 1 account balances and the Shared Tax Savings adjustment.

In summary, the total bill impact for a Residential customer with NBHDL, with a monthly electricity consumption of 800 kWh, will be .2% or an increase of \$.24 per month before HST and the OCEB credit. The total bill impact for a General Service Less Than 50 kW customer with a monthly electricity consumption of 2,000 kWh will be 1.94% or \$5.48 per month before HST and the OCEB credit.

**APPENDIX “A”**

**2014 PROPOSED TARIFF OF RATES AND CHARGES**



# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	14.51
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01300
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Rate Rider for Disposition of Global Adjustment Sub-Account (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	0.00080
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00690
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00530
Smart Meter Disposition Rider - effective until April 30, 2015	\$	1.28
Smart Meter Incremental Revenue Requirement Rate Rider	\$	1.37
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00010)

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification includes non residential accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	21.49
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01660
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Rate Rider for Disposition of Global Adjustment Sub-Account (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	0.00080
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00650
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
Smart Meter Disposition Rider - effective until April 30, 2015	\$	7.79
Smart Meter Incremental Revenue Requirement Rate Rider	\$	3.20
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00010)

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## GENERAL SERVICE 50 TO 2,999 KW SERVICE CLASSIFICATION

This classification includes non residential accounts where 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 3,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	291.30
Distribution Volumetric Rate	\$/kW	2.07760
Low Voltage Service Rate	\$/kW	0.01390
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kW	(0.71380)
Rate Rider for Disposition of Global Adjustment Sub-Account (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.32500
Retail Transmission Rate - Network Service Rate	\$/kW	2.59440
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.88860
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.01690)

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## GENERAL SERVICE 3,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification includes non residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 3,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

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It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5,791.07
Distribution Volumetric Rate	\$/kW	1.10490
Low Voltage Service Rate	\$/kW	0.01540
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kW	(0.90050)
Rate Rider for Disposition of Global Adjustment Sub-Account (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.41010
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.75200
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.08730
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.01310)

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
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EB-2013-0157

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.96
Distribution Volumetric Rate	\$/kWh	0.01610
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00650
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00020)

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.38
Distribution Volumetric Rate	\$/kW	15.29700
Low Voltage Service Charge	\$/kW	0.01100
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kW	(0.35910)
Rate Rider for Disposition of Global Adjustment Sub-Account (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.16350
Retail Transmission Rate - Network Service Rate	\$/kW	1.96640
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.49050
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.16040)

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2013-0157

## STREET LIGHTING SERVICE CLASSIFICATION

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.83
Distribution Volumetric Rate	\$/kW	25.88850
Low Voltage Service Rate	\$/kW	0.01080
Rate Rider for Disposition of Deferral/Variance Account (2014) - effective until April 30, 2015	\$/kW	(0.61850)
Rate Rider for Disposition of Global Adjustment Sub-Account (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.28160
Retail Transmission Rate - Network Service Rate	\$/kW	1.95660
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.45990
Rate Rider for Application of Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.31880)

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## MICROFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority's micoFIT program and connected to the distribuor's distribution system. Further servicing details are available in the distributor's Condition of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Programs, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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## MONTHLY RATES AND CHARGES - Regulatory Component



# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### Customer Administration

Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	165.00
Service call – customer owned equipment	\$	30.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2014

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2013-0157

### RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

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	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.37
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

### LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0480
Total Loss Factor – Secondary Metered Customer > 5,000 kW	N/A
Distribution Loss Factor - Primary Metered Customer < 5,000 kW	1.0375
Distribution Loss Factor - Primary Metered Customer > 5,000 kW	N/A

## **APPENDIX “B”**

### **BILL IMPACTS**



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **RESIDENTIAL**

Loss Factor **1.0480**

Consumption kWh **800**

**If Billed on a kW basis:**

Demand kW

Load Factor

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 14.44	1	\$ 14.44	\$ 14.51	1	\$ 14.51	\$ 0.07	0.48%
Distribution Volumetric Rate	\$ 0.0129	800	\$ 10.32	\$ 0.0130	800	\$ 10.40	\$ 0.08	0.78%
Fixed Rate Riders	\$ -	1	\$ -	\$ 2.65	1	\$ 2.65	\$ 2.65	
Volumetric Rate Riders	0.0001	800	\$ 0.08	-0.0001	800	-\$ 0.08	-\$ 0.16	-200.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 24.84</b>			<b>\$ 27.48</b>	<b>\$ 2.64</b>	<b>10.63%</b>
Line Losses on Cost of Power	\$ 0.0839	38	\$ 3.22	\$ 0.0839	38	\$ 3.22	\$ -	0.00%
Total Deferral/Variance Account	0.0012	800	\$ 0.96	-0.0017	800	-\$ 1.36	-\$ 2.32	-241.67%
Rate Riders								
Low Voltage Service Charge	\$ 0.0000	800	\$ 0.03	\$ 0.0000	800	\$ 0.03	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 29.84</b>			<b>\$ 30.16</b>	<b>\$ 0.32</b>	<b>1.07%</b>
RTSR - Network	\$ 0.0070	838	\$ 5.87	\$ 0.0069	838	\$ 5.78	-\$ 0.08	-1.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	838	\$ 4.44	\$ 0.0053	838	\$ 4.44	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 40.16</b>			<b>\$ 40.39</b>	<b>\$ 0.24</b>	<b>0.59%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	838	\$ 3.69	\$ 0.0044	838	\$ 3.69	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	838	\$ 1.01	\$ 0.0012	838	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	512	\$ 34.30	\$ 0.0670	512	\$ 34.30	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	144	\$ 14.98	\$ 0.1040	144	\$ 14.98	\$ -	0.00%
TOU - On Peak	\$ 0.1240	144	\$ 17.86	\$ 0.1240	144	\$ 17.86	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 117.84</b>			<b>\$ 118.07</b>	<b>\$ 0.24</b>	<b>0.20%</b>
HST	13%		\$ 15.32	13%		\$ 15.35	\$ 0.03	0.20%
<b>Total Bill (including HST)</b>			<b>\$ 133.16</b>			<b>\$ 133.42</b>	<b>\$ 0.27</b>	<b>0.20%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 13.32</b>			<b>-\$ 13.34</b>	<b>-\$ 0.02</b>	<b>0.15%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 119.84</b>			<b>\$ 120.08</b>	<b>\$ 0.25</b>	<b>0.21%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **GENERAL SERVICE LESS THAN 50 KW**

Loss Factor **1.0480**

Consumption kWh **2,000**

**If Billed on a kW basis:**

Demand kW

Load Factor

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 21.39	1	\$ 21.39	\$ 21.49	1	\$ 21.49	\$ 0.10	0.47%
Distribution Volumetric Rate	\$ 0.0165	2,000	\$ 33.00	\$ 0.0166	2,000	\$ 33.20	\$ 0.20	0.61%
Fixed Rate Riders	\$ -	1	\$ -	\$ 10.99	1	\$ 10.99	\$ 10.99	
Volumetric Rate Riders	0.0000	2,000	\$ -	-0.0001	2,000	-\$ 0.20	-\$ 0.20	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 54.39</b>			<b>\$ 65.48</b>	<b>\$ 11.09</b>	<b>20.39%</b>
Line Losses on Cost of Power	\$ 0.0839	96	\$ 8.06	\$ 0.0839	96	\$ 8.06	\$ -	0.00%
Total Deferral/Variance Account	0.0010	2,000	\$ 2.00	-0.0017	2,000	-\$ 3.40	-\$ 5.40	-270.00%
Rate Riders								
Low Voltage Service Charge	\$ 0.0000	2,000	\$ 0.08	\$ 0.0000	2,000	\$ 0.08	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 65.32</b>			<b>\$ 71.01</b>	<b>\$ 5.69</b>	<b>8.71%</b>
RTSR - Network	\$ 0.0066	2,096	\$ 13.83	\$ 0.0065	2,096	\$ 13.62	-\$ 0.21	-1.52%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0048	2,096	\$ 10.06	\$ 0.0048	2,096	\$ 10.06	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 89.21</b>			<b>\$ 94.69</b>	<b>\$ 5.48</b>	<b>6.14%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	2,096	\$ 9.22	\$ 0.0044	2,096	\$ 9.22	\$ -	0.00%
Rural and Remote Rate	\$ 0.0012	2,096	\$ 2.52	\$ 0.0012	2,096	\$ 2.52	\$ -	0.00%
Protection (RRRP)	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Standard Supply Service Charge	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0670	1,280	\$ 85.76	\$ 0.0670	1,280	\$ 85.76	\$ -	0.00%
TOU - Off Peak	\$ 0.1040	360	\$ 37.44	\$ 0.1040	360	\$ 37.44	\$ -	0.00%
TOU - Mid Peak	\$ 0.1240	360	\$ 44.64	\$ 0.1240	360	\$ 44.64	\$ -	0.00%
TOU - On Peak								
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 283.04</b>			<b>\$ 288.52</b>	<b>\$ 5.48</b>	<b>1.94%</b>
HST	13%		\$ 36.79	13%		\$ 37.51	\$ 0.71	1.94%
<b>Total Bill (including HST)</b>			<b>\$ 319.83</b>			<b>\$ 326.03</b>	<b>\$ 6.19</b>	<b>1.94%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 31.98</b>			<b>-\$ 32.60</b>	<b>-\$ 0.62</b>	<b>1.94%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 287.85</b>			<b>\$ 293.43</b>	<b>\$ 5.57</b>	<b>1.94%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.



## Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **GENERAL SERVICE 50 TO 2,999 KW**

Loss Factor **1.0480**

Consumption kWh **588,494**

**If Billed on a kW basis:**

Demand kW **1480**

Load Factor **54%**

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 289.91	1	\$ 289.91	\$ 291.30	1	\$ 291.30	\$ 1.39	0.48%
Distribution Volumetric Rate	\$ 2.0677	1,480	\$ 3,060.20	\$ 2.0776	1,480	\$ 3,074.85	\$ 14.65	0.48%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0063	1,480	\$ 9.32	-0.0169	1,480	\$ 25.01	-\$ 34.34	-368.25%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 3,359.43</b>			<b>\$ 3,341.14</b>	<b>-\$ 18.29</b>	<b>-0.54%</b>
Line Losses on Cost of Power	\$ 0.0839	28,248	\$ 2,370.55	\$ 0.0839	28,248	\$ 2,370.55	\$ -	0.00%
Total Deferral/Variance Account	0.5087	1,480	\$ 752.88	-0.3888	1,480	\$ 575.42	-\$ 1,328.30	-176.43%
Rate Riders								
Low Voltage Service Charge	\$ 0.0139	1,480	\$ 20.57	\$ 0.0139	1,480	\$ 20.57	\$ -	0.00%
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 6,503.43</b>			<b>\$ 5,156.83</b>	<b>-\$ 1,346.59</b>	<b>-20.71%</b>
RTSR - Network	\$ 2.6208	1,480	\$ 3,878.78	\$ 2.5944	1,480	\$ 3,839.71	-\$ 39.07	-1.01%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8828	1,480	\$ 2,786.54	\$ 1.8886	1,480	\$ 2,795.13	\$ 8.58	0.31%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 13,168.75</b>			<b>\$ 11,791.67</b>	<b>-\$ 1,377.08</b>	<b>-10.46%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	616,742	\$ 2,713.66	\$ 0.0044	616,742	\$ 2,713.66	\$ -	0.00%
Rural and Remote Rate	\$ 0.0012	616,742	\$ 740.09	\$ 0.0012	616,742	\$ 740.09	\$ -	0.00%
Protection (RRRP)	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Standard Supply Service Charge	\$ 0.0070	588,494	\$ 4,119.46	\$ 0.0070	588,494	\$ 4,119.46	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0670	376,636	\$ 25,234.62	\$ 0.0670	376,636	\$ 25,234.62	\$ -	0.00%
TOU - Off Peak	\$ 0.1040	105,929	\$ 11,016.61	\$ 0.1040	105,929	\$ 11,016.61	\$ -	0.00%
TOU - Mid Peak	\$ 0.1240	105,929	\$ 13,135.18	\$ 0.1240	105,929	\$ 13,135.18	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 70,128.62</b>			<b>\$ 68,751.54</b>	<b>-\$ 1,377.08</b>	<b>-1.96%</b>
HST	13%		\$ 9,116.72	13%		\$ 8,937.70	-\$ 179.02	-1.96%
<b>Total Bill (including HST)</b>			<b>\$ 79,245.34</b>			<b>\$ 77,689.24</b>	<b>-\$ 1,556.10</b>	<b>-1.96%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 7,924.53</b>			<b>-\$ 7,768.92</b>	<b>\$ 155.61</b>	<b>-1.96%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 71,320.81</b>			<b>\$ 69,920.32</b>	<b>-\$ 1,400.49</b>	<b>-1.96%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class GENERAL SERVICE 3,000 TO 4,999 KW

Loss Factor 1.0375

Consumption kWh 2,106,196

If Billed on a kW basis:

Demand kW 4000  
Load Factor 72%

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 5,763.41	1	\$ 5,763.41	\$ 5,791.07	1	\$ 5,791.07	\$ 27.66	0.48%
Distribution Volumetric Rate	\$ 1.0996	4,000	\$ 4,398.40	\$ 1.1049	4,000	\$ 4,419.60	\$ 21.20	0.48%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	4,000	\$ -	-0.0131	4,000	\$ 52.40	-\$ 52.40	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 10,161.81</b>			<b>\$ 10,158.27</b>	<b>-\$ 3.54</b>	<b>-0.03%</b>
Line Losses on Cost of Power	\$ 0.0839	78,982	\$ 6,628.20	\$ 0.0839	78,982	\$ 6,628.20	\$ -	0.00%
Total Deferral/Variance Account	0.6197	4,000	\$ 2,478.80	-0.4904	4,000	\$ 1,961.60	-\$ 4,440.40	-179.14%
Rate Riders								
Low Voltage Service Charge	\$ 0.0154	4,000	\$ 61.60	\$ 0.0154	4,000	\$ 61.60	\$ -	0.00%
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 19,330.41</b>			<b>\$ 14,886.47</b>	<b>-\$ 4,443.94</b>	<b>-22.99%</b>
RTSR - Network	\$ 2.7800	4,000	\$ 11,120.00	\$ 2.7520	4,000	\$ 11,008.00	-\$ 112.00	-1.01%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.0808	4,000	\$ 8,323.20	\$ 2.0873	4,000	\$ 8,349.20	\$ 26.00	0.31%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 38,773.61</b>			<b>\$ 34,243.67</b>	<b>-\$ 4,529.94</b>	<b>-11.68%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	2,185,178	\$ 9,614.78	\$ 0.0044	2,185,178	\$ 9,614.78	\$ -	0.00%
Rural and Remote Rate	\$ 0.0012	2,185,178	\$ 2,622.21	\$ 0.0012	2,185,178	\$ 2,622.21	\$ -	0.00%
Protection (RRRP)	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Standard Supply Service Charge	\$ 0.0070	2,106,196	\$ 14,743.37	\$ 0.0070	2,106,196	\$ 14,743.37	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0670	1,347,965	\$ 90,313.68	\$ 0.0670	1,347,965	\$ 90,313.68	\$ -	0.00%
TOU - Off Peak	\$ 0.1040	379,115	\$ 39,427.99	\$ 0.1040	379,115	\$ 39,427.99	\$ -	0.00%
TOU - Mid Peak	\$ 0.1240	379,115	\$ 47,010.29	\$ 0.1240	379,115	\$ 47,010.29	\$ -	0.00%
TOU - On Peak								
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 242,506.20</b>			<b>\$ 237,976.26</b>	<b>-\$ 4,529.94</b>	<b>-1.87%</b>
HST	13%		\$ 31,525.81	13%		\$ 30,936.91	-\$ 588.89	-1.87%
<b>Total Bill (including HST)</b>			<b>\$ 274,032.00</b>			<b>\$ 268,913.17</b>	<b>-\$ 5,118.83</b>	<b>-1.87%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 27,403.20</b>			<b>-\$ 26,891.32</b>	<b>\$ 511.88</b>	<b>-1.87%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 246,628.80</b>			<b>\$ 242,021.85</b>	<b>-\$ 4,606.95</b>	<b>-1.87%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.



## Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **UNMETERED SCATTERED LOAD**

Loss Factor **1.0480**

Consumption kWh **2,000**

**If Billed on a kW basis:**

Demand kW

Load Factor

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.93	1	\$ 6.93	\$ 6.96	1	\$ 6.96	\$ 0.03	0.43%
Distribution Volumetric Rate	\$ 0.0160	2,000	\$ 32.00	\$ 0.0161	2,000	\$ 32.20	\$ 0.20	0.63%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	2,000	\$ -	-0.0002	2,000	-\$ 0.40	-\$ 0.40	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 38.93</b>			<b>\$ 38.76</b>	<b>-\$ 0.17</b>	<b>-0.44%</b>
Line Losses on Cost of Power	\$ 0.0839	96	\$ 8.06	\$ 0.0839	96	\$ 8.06	\$ -	0.00%
Total Deferral/Variance Account	0.0014	2,000	\$ 2.80	-0.0017	2,000	-\$ 3.40	-\$ 6.20	-221.43%
Rate Riders								
Low Voltage Service Charge	\$ 0.0000	2,000	\$ 0.08	\$ 0.0000	2,000	\$ 0.08	\$ -	0.00%
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 49.87</b>			<b>\$ 43.50</b>	<b>-\$ 6.37</b>	<b>-12.77%</b>
RTSR - Network	\$ 0.0066	2,096	\$ 13.83	\$ 0.0065	2,096	\$ 13.62	-\$ 0.21	-1.52%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0048	2,096	\$ 10.06	\$ 0.0048	2,096	\$ 10.06	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 73.76</b>			<b>\$ 67.18</b>	<b>-\$ 6.58</b>	<b>-8.92%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	2,096	\$ 9.22	\$ 0.0044	2,096	\$ 9.22	\$ -	0.00%
Rural and Remote Rate	\$ 0.0012	2,096	\$ 2.52	\$ 0.0012	2,096	\$ 2.52	\$ -	0.00%
Protection (RRRP)								
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	1,280	\$ 85.76	\$ 0.0670	1,280	\$ 85.76	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	360	\$ 37.44	\$ 0.1040	360	\$ 37.44	\$ -	0.00%
TOU - On Peak	\$ 0.1240	360	\$ 44.64	\$ 0.1240	360	\$ 44.64	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 267.59</b>			<b>\$ 261.01</b>	<b>-\$ 6.58</b>	<b>-2.46%</b>
HST	13%		\$ 34.79	13%		\$ 33.93	-\$ 0.86	-2.46%
<b>Total Bill (including HST)</b>			<b>\$ 302.37</b>			<b>\$ 294.94</b>	<b>-\$ 7.43</b>	<b>-2.46%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 30.24</b>			<b>-\$ 29.49</b>	<b>\$ 0.75</b>	<b>-2.48%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 272.13</b>			<b>\$ 265.45</b>	<b>-\$ 6.68</b>	<b>-2.46%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.





## Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **SENTINEL LIGHTING**

Loss Factor **1.0480**

Consumption kWh **375**

**If Billed on a kW basis:**

Demand kW **1**

Load Factor **51%**

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 4.36	1	\$ 4.36	\$ 4.38	1	\$ 4.38	\$ 0.02	0.46%
Distribution Volumetric Rate	\$ 15.2239	1	\$ 15.22	\$ 15.2970	1	\$ 15.30	\$ 0.07	0.48%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	1	\$ -	-0.1604	1	\$ -0.16	-\$ 0.16	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 19.58</b>			<b>\$ 19.52</b>	<b>-\$ 0.07</b>	<b>-0.34%</b>
Line Losses on Cost of Power	\$ 0.0839	18	\$ 1.51	\$ 0.0839	18	\$ 1.51	\$ -	0.00%
Total Deferral/Variance Account	1.3036	1	\$ 1.30	-0.1956	1	\$ -0.20	-\$ 1.50	-115.00%
Rate Riders								
Low Voltage Service Charge	\$ 0.0110	1	\$ 0.01	\$ 0.0110	1	\$ 0.01	\$ -	0.00%
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 22.41</b>			<b>\$ 20.84</b>	<b>-\$ 1.57</b>	<b>-6.99%</b>
RTSR - Network	\$ 1.9864	1	\$ 1.99	\$ 1.9664	1	\$ 1.97	-\$ 0.02	-1.01%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4859	1	\$ 1.49	\$ 1.4905	1	\$ 1.49	\$ 0.00	0.31%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 25.88</b>			<b>\$ 24.30</b>	<b>-\$ 1.58</b>	<b>-6.11%</b>
Wholesale Market Service Charge (WMS)	\$ 0.0044	393	\$ 1.73	\$ 0.0044	393	\$ 1.73	\$ -	0.00%
Rural and Remote Rate	\$ 0.0012	393	\$ 0.47	\$ 0.0012	393	\$ 0.47	\$ -	0.00%
Protection (RRRP)	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Standard Supply Service Charge	\$ 0.0070	375	\$ 2.62	\$ 0.0070	375	\$ 2.62	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0670	240	\$ 16.06	\$ 0.0670	240	\$ 16.06	\$ -	0.00%
TOU - Off Peak	\$ 0.1040	67	\$ 7.01	\$ 0.1040	67	\$ 7.01	\$ -	0.00%
TOU - Mid Peak	\$ 0.1240	67	\$ 8.36	\$ 0.1240	67	\$ 8.36	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 62.38</b>			<b>\$ 60.80</b>	<b>-\$ 1.58</b>	<b>-2.54%</b>
HST	13%		\$ 8.11	13%		\$ 7.90	-\$ 0.21	-2.54%
<b>Total Bill (including HST)</b>			<b>\$ 70.49</b>			<b>\$ 68.71</b>	<b>-\$ 1.79</b>	<b>-2.54%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 7.05</b>			<b>-\$ 6.87</b>	<b>\$ 0.18</b>	<b>-2.55%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 63.44</b>			<b>\$ 61.84</b>	<b>-\$ 1.61</b>	<b>-2.53%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **STREET LIGHTING**

Loss Factor 1.0480

Consumption kWh 277,023

If Billed on a kW basis:

Demand kW 545  
Load Factor 70%

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 4.81	5574	\$ 26,810.94	\$ 4.83	5574	\$ 26,922.42	\$ 111.48	0.42%
Distribution Volumetric Rate	\$ 25.7648	545	\$ 14,041.82	\$ 25.8885	545	\$ 14,109.23	\$ 67.42	0.48%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	0.0000	545	\$ -	-0.3188	545	-\$ 173.75	-\$ 173.75	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 40,852.76</b>			<b>\$ 40,857.91</b>	<b>\$ 5.15</b>	<b>0.01%</b>
Line Losses on Cost of Power	\$ 0.0839	13,297	\$ 1,115.89	\$ 0.0839	13,297	\$ 1,115.89	\$ -	0.00%
Total Deferral/Variance Account	1.6935	545	\$ 922.96	-0.3369	545	-\$ 183.61	-\$ 1,106.57	-119.89%
Rate Riders								
Low Voltage Service Charge	\$ 0.0108	545	\$ 5.89	\$ 0.0108	545	\$ 5.89	\$ -	0.00%
Smart Meter Entity Charge		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 42,897.49</b>			<b>\$ 41,796.07</b>	<b>-\$ 1,101.42</b>	<b>-2.57%</b>
RTSR - Network	\$ 1.9765	545	\$ 1,077.19	\$ 1.9566	545	\$ 1,066.35	-\$ 10.85	-1.01%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4554	545	\$ 793.19	\$ 1.4599	545	\$ 795.65	\$ 2.45	0.31%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 44,767.88</b>			<b>\$ 43,658.07</b>	<b>-\$ 1,109.81</b>	<b>-2.48%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	290,320	\$ 1,277.41	\$ 0.0044	290,320	\$ 1,277.41	\$ -	0.00%
Rural and Remote Rate	\$ 0.0012	290,320	\$ 348.38	\$ 0.0012	290,320	\$ 348.38	\$ -	0.00%
Protection (RRRP)	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Standard Supply Service Charge	\$ 0.0070	277,023	\$ 1,939.16	\$ 0.0070	277,023	\$ 1,939.16	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0670	177,295	\$ 11,878.74	\$ 0.0670	177,295	\$ 11,878.74	\$ -	0.00%
TOU - Off Peak	\$ 0.1040	49,864	\$ 5,185.87	\$ 0.1040	49,864	\$ 5,185.87	\$ -	0.00%
TOU - Mid Peak	\$ 0.1240	49,864	\$ 6,183.15	\$ 0.1240	49,864	\$ 6,183.15	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 71,580.85</b>			<b>\$ 70,471.04</b>	<b>-\$ 1,109.81</b>	<b>-1.55%</b>
HST	13%		\$ 9,305.51	13%		\$ 9,161.23	-\$ 144.28	-1.55%
<b>Total Bill (including HST)</b>			<b>\$ 80,886.36</b>			<b>\$ 79,632.27</b>	<b>-\$ 1,254.09</b>	<b>-1.55%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 8,088.64</b>			<b>-\$ 7,963.23</b>	<b>\$ 125.41</b>	<b>-1.55%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 72,797.72</b>			<b>\$ 71,669.04</b>	<b>-\$ 1,128.68</b>	<b>-1.55%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.

**APPENDIX “C”**

**CURRENT TARIFF OF RATES AND CHARGES**

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

Page 1 of 10

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

EB-2012-0152

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	14.44
Rate Rider For Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0129
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kWh	0.0009
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kWh	0.0012
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) (2012) - effective until April 30, 2014	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2012-0152

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification includes non residential accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	21.39
Rate Rider For Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0165
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kWh	0.0009
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kWh	0.0010
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2012-0152

## GENERAL SERVICE 50 TO 2,999 KW SERVICE CLASSIFICATION

This classification includes non residential accounts where 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 3,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	289.91
Distribution Volumetric Rate	\$/kW	2.0677
Low Voltage Service Rate	\$/kW	0.0139
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kW	0.3188
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kW	0.1899
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) (2012) - effective until April 30, 2014	\$/kW	0.0063
Retail Transmission Rate - Network Service Rate	\$/kW	2.6208
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8828

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2012-0152

## GENERAL SERVICE 3,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification includes non residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 3,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5,763.41
Distribution Volumetric Rate	\$/kW	1.0996
Low Voltage Service Rate	\$/kW	0.0154
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kW	0.4809
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kW	0.1388
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7800
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0808

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2012-0152

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.93
Distribution Volumetric Rate	\$/kWh	0.0160
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kWh	0.0014
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2012-0152

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.36
Distribution Volumetric Rate	\$/kW	15.2239
Low Voltage Service Rate	\$/kW	0.0110
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kW	0.3364
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kW	0.9672
Retail Transmission Rate - Network Service Rate	\$/kW	1.9864
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4859

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**North Bay Hydro Distribution Limited**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2013**

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

**EB-2012-0152**

**STREET LIGHTING SERVICE CLASSIFICATION**

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

**APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	4.81
Distribution Volumetric Rate	\$/kW	25.7648
Low Voltage Service Rate	\$/kW	0.0108
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until April 30, 2014		
Applicable only for Non-RPP Customers	\$/kW	0.3265
Rate Rider for Disposition of Deferral/Variance Account (2012) – effective until April 30, 2014	\$/kW	1.3670
Retail Transmission Rate - Network Service Rate	\$/kW	1.9765
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4554

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Page 8 of 10

**North Bay Hydro Distribution Limited**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2013**

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

**EB-2012-0152**

**MICROFIT SERVICE CLASSIFICATION**

This classification applies to an electricity generation facility contracted under the Ontario Power Authority's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Condition of Service.

**APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Programs, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$ 5.40
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**North Bay Hydro Distribution Limited**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2013**

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

**EB-2012-0152**

**ALLOWANCES**

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

**SPECIFIC SERVICE CHARGES**

**APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

**Customer Administration**

Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

**Non-Payment of Account**

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	165.00
Service call – customer owned equipment	\$	30.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

# North Bay Hydro Distribution Limited

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2013

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

EB-2012-0152

## RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

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.	1.37
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

## LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0480
Total Loss Factor – Secondary Metered Customer > 5,000 kW	N/A
Distribution Loss Factor - Primary Metered Customer < 5,000 kW	1.0375
Distribution Loss Factor - Primary Metered Customer > 5,000 kW	N/A

**APPENDIX “D”**

**NBHDL 2010 DRAFT RATE ORDER**



74 Commerce Crescent  
P.O. Box 3240  
North Bay, Ontario  
P1B 8Y5

Tel. (705) 474-8100  
Fax: (705) 495-2756 Administration  
Fax: (705) 474-3138 Engineering/Purchasing  
Fax: (705) 474-8579 Customer Services/Accounting  
Fax: (705) 474-4634 Operations

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April 14, 2010

*Delivered by Courier*

Ontario Energy Board  
P.O. Box 2319  
27<sup>th</sup> Floor  
2300 Yonge Street  
Toronto, ON M4P 1E4

Attention: Kirsten Walli  
Board Secretary

Re: North Bay Hydro Distribution Limited (EB-2009-270)  
2010 Electricity Distribution Rate Application  
Draft Rate Order

Dear Ms. Walli:

On April 12, 2010, North Bay Hydro Distribution Limited filed a Draft Rate Order in this matter. Since that document was filed, North Bay Hydro has determined that certain minor revisions to the Draft Rate Order are required. None of these revisions affect the rates or the bill impacts set out in the Settlement Agreement approved by the Board or in the original Draft Rate Order filed on April 12, 2010.

North Bay Hydro has made the following revisions:

- Enhanced the section on Cost Allocation (at pg 7) to more clearly reflect the changes agreed upon during the settlement process
- Added the definitions of the General Service 3,000 to 4,999kW class and the microFIT Generator service class to the Tariff of Rates and Charges
- Changed the titles in the two rightmost columns of the first table in Appendix I so that they now use the term "Decision" rather than "Rate Order"; and
- Added a table to Appendix I to illustrate the change in the Revenue to Cost Ratios as requested by VECC.

In accordance with the Board's Decision, two hard copies of the Draft Rate Order are enclosed. An electronic copy in PDF format will be submitted through the Ontario Energy Board's Regulatory Electronic Submission System. The Revenue Requirement Work Form was submitted with the original Draft Rate Order on April 12, 2010 and does not require any modifications due to these revisions.

A copy of the Draft Rate Order in PDF format will also be forwarded via email to the Intervenor as follows:

Energy Probe

- a) David MacIntosh, Energy Probe
- b) Randy Aiken, Aiken & Associates

Donald Rennick

- a) Donald Rennick, Independent Participants

School Energy Coalition

- a) John De Vellis, Shibley Righton LLP
- b) Wayne McNally, Ontario Education Services Corporation

Vulnerable Energy Consumers Coalition

- a) Michael Buonaguro, Public Interest Advocacy Centre
- b) William Harper, Econalysis Consulting Services Inc.

Should any further information be required I can be reached at (705) 474-8100 (ext. 310).

Sincerely,

Original signed by

Cindy Tennant  
Finance Manager  
North Bay Hydro Distribution Limited  
ctennant@northbayhydro.com  
(705) 474-8100 (310)





**NORTH BAY HYDRO DISTRIBUTION LIMITED**

**EB-2009-0270**

**DRAFT RATE ORDER**

**Filed with the Board: April 12, 2010**

**Updated April 14, 2010**

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

**AND IN THE MATTER OF** an application by North Bay Hydro Distribution Limited for an order approving just and reasonable rates and other charges for electricity distribution to be effective May 1, 2010.

**EB-2009-0270**

**DRAFT RATE ORDER**

**North Bay Hydro Distribution Limited**

**Filed with the Board April 12, 2010**

**Updated April 14, 2010**

## **BACKGROUND**

On October 26, 2009, North Bay Hydro Distribution Limited (“NBHDL”) filed an application with the Ontario Energy Board (the “Board” under section 78 of the *Ontario Energy Board Act, 1998*, S.O. 1988, c. 15, (Schedule B), seeking approval for changes to the rates that NBHDL charges for electricity distribution, to be effective May 1, 2010. The Board assigned File Number EB-2009-0270 to the Application.

On March 17, 2010 the Board issued a Decision regarding a province-wide fixed monthly charge for all electricity distributors related to the MicroFit Generator rate class (EB-2009-0326). In that Decision, the Board indicated that the rate was approved at \$5.25 per month, effective September 21, 2009.

On March 26, 2010, NBHDL, Energy Probe (“EP”), the School Energy Coalition (“SEC”), the Vulnerable Energy Consumers Coalition (“VECC”) and Donald Rennick filed a proposed Settlement Agreement (the “Settlement Agreement”) with the Board that constituted a comprehensive settlement.

On April 8, 2010 the Board issued its Decision in this Application. In that Decision, the Board approved the Settlement Agreement, and found that the Settlement Agreement is reasonable and in the public interest with respect to its cost consequences and rate impacts.

## BOARD DIRECTION

In its Decision the Board directed that *“North Bay shall file with the Board, and shall also forward to the Intervenor, a Draft Rate Order attaching a proposed Tariff of Rates and Charges and all supporting documentation reflecting the Board’s findings in this Decision within 14 days of the date of this Decision.”*

For reference, the other Board Directions included in the Decision are listed below:

*“The Board agrees in principle that a separate rate rider should apply to non-RPP customers to dispose of the global adjustment sub-account balance. The Board however accepts that North Bay does not currently have the billing capability to implement such a change. Given North Bay’s current billing constraints, the Board will approve at this time the disposition of the allocated global adjustment sub-account balance from all customers in each affected rate class. The Board however directs North Bay to report to the Board no later than the next rebasing proceeding, its estimate of the costs that North Bay would incur in order to accommodate the establishment of a separate rate rider applicable to non-RPP customers for disposition of the global adjustment sub-account in the future.”*

*“The Board approves the agreement regarding North Bay’s pilot program. The Board will consider the prudence of North Bay’s expenditures in the pilot program at the time that North Bay applies to dispose of the deferral account balances.”*

*“On March 17, 2010, the Board approved a province-wide fixed service charge of \$5.25 per month for all electricity distributors effective September 21, 2009. Accordingly, the Board believes that North Bay should identify the microFit Generator service classification on its Tariff of Rates and Charges and should include the monthly service charge of \$5.25*

*“The results of the Settlement Proposal together with the Board’s findings outlined in this Decision are to be reflected in North Bay’s Draft Rate Order. The Board expects North Bay to file detailed supporting material, including all relevant calculations showing the impact of the implementation of the Settlement Proposal and this Decision on its proposed Revenue Requirement, the allocation of the approved Revenue Requirement to the classes and the determination of the final rates, including bill impacts. Supporting documentation shall include, but not be limited to, filing a completed version of the Revenue Requirement Work Form excel spreadsheet which can be found on the Board’s website. North Bay should also show detailed calculations of any revisions to the rate riders or rate adders reflecting the Settlement Proposal.”*

NBHDL’s compliance with the Decision and the Settlement Agreement is evidenced in the body and appendices of this Draft Rate Order.

## IMPLEMENTATION OF RATES

The Decision indicates that “As provided in the Settlement Proposal, the new rates are effective May 1, 2010.”

NBHDL has reflected the terms of the Settlement Proposal, all Board Directions issued in the Board's Decision and the province wide MicroFIT Generator rate established by the Board (EB-2009-0326) in the preparation of this Draft Rate Order.

Detailed supporting material, including relevant calculations showing the impacts of the Settlement Proposal and the Decision on NBHDL's proposed Revenue Requirement; the allocation of the approved Revenue Requirement to the classes; and the determination of the final rates, including bill impacts, are provided in the commentary and Appendices which follow. A completed version of the Revenue Requirement Work Form in Excel format accompanies this Draft Rate Order, as directed by the Board.

NBHDL's Draft Rate Order has been included as **Appendix A** and a comparison of bill impacts from existing rates to the rates in the Draft Rate Order has been included as **Appendix B**.

## SUMMARY OF CHANGES

This Draft Rate Order is organized according to the following issues:

- Revenue Deficiency
- Rate Base
- Operating Revenue
- Load Forecast
- Cost of Capital
- Cost Allocation
- Rate Design
- Deferral and Variance Accounts
- LRAM and SSM

The table below sets out the changes in key elements of the Application, from the Application as filed on October 26, 2010, through the Settlement Agreement filed on March 26, 2010 and the Board's Decision issued on April 8, 2010. Major components are briefly commented on in this Draft Rate Order and supported with tables in the Appendices.

Summary of Key Ratemaking Components - From Application to Decision				
From Filed to Settlement Conference Agreement to Draft Rate Order	2010 Rate Application AS FILED	2010 Rate Application SETTLEMENT	2010 DECISION	CHANGES FROM FILED TO DECISION
<b>EXHIBIT 2 - RATE BASE</b>				
Rate Base	46,219,722	44,105,306	44,105,306	(2,114,416)
Working Capital Allowance	7,572,165	7,579,952	7,579,952	7,787
Capital Expenditures - 2009 Forecast	8,251,981	6,199,778	6,199,778	(2,052,203)
Capital Expenditures - 2010 Budget	7,852,275	8,580,210	8,580,210	727,935
<b>EXHIBIT 3 - REVENUE</b>				
Base Revenue Requirement	11,817,638	11,294,345	11,294,345	(523,293)
Other Revenue	825,116	830,616	830,616	5,500
Total Revenue Requirement	12,642,754	12,124,961	12,124,961	(517,793)
Load Forecast - kWh billed	563,738,678	563,738,678	563,738,678	-
Load Forecast - kW billed	722,953	721,475	721,475	(1,478)
<b>EXHIBIT 4 - OPERATING COSTS</b>				
OM&A Expenses	5,779,054	5,680,408	5,680,408	(98,646)
Property Taxes	64,292	64,292	64,292	-
Amortization Expense	2,901,108	2,694,912	2,694,912	(206,196)
PILs	596,055	686,307	686,307	90,252
Effective Tax Rate	31.00%	28.72%	28.72%	-2.28%
<b>EXHIBIT 5 - COST OF CAPITAL</b>				
Long-Term Debt - Effective Rate	6.94%	4.96%	4.96%	-1.98%
Short-Term Debt - Effective Rate	1.33%	2.07%	2.07%	0.74%
Equity - Effective Rate	8.01%	9.85%	9.85%	1.84%
Weighted Average Cost of Capital	7.14%	6.80%	6.80%	-0.34%
<b>EXHIBIT 6 - REVENUE DEFICIENCY</b>				
Utility Net Earnings - Proposed Rates	1,480,880	1,737,749	1,737,749	256,869
Utility Net Earnings - Assuming Existing Rates Maintained	211,921	809,344	809,344	597,423
Revenue Deficiency After Tax - Assuming Existing Rates Maintained	1,839,071	1,302,477	1,302,477	(536,594)
Revenue Deficiency Before Tax - Assuming Existing Rates Maintained	1,268,959	928,405	928,405	(340,554)

## Revenue Deficiency

The revenue deficiency as set out in the Application was \$1,839,071. The settlement process has resulted in a reduction of the revenue deficiency to \$1,302,477. Details of this reduction are set out in **Appendix C**.

## Rate Base

The change in NBHDL's 2010 Test Year rate base, from \$46,219,722 as proposed in the application to \$44,105,306 from the settlement process and the Draft Rate Order, is detailed in **Appendix D**. The major changes arising out of the settlement process consisted of the following:

- a decrease in the 2009 capital expenditures of \$2,052,203 for projects that came in under forecast and projects that were moved into 2010;
- an increase of \$729,935 in 2010 capital expenditures, with the majority of the increase related to 2009 projects being deferred to 2010; and
- an increase of \$7,787 in NBHDL's working capital allowance. The working capital allowance was adjusted for reductions in Operations, Maintenance and Administration ("OM&A") expenditures, changes to the load forecast (to use the geometric mean method) and changes to the cost of power to reflect the Board's October 15, 2009 RPP and non-RPP rates.

## Load Forecast

The Parties agreed for the purpose of the settlement of the Application that the load and customer forecast used by NBHDL were appropriate once modified from the arithmetic mean to the geometric mean approach. This change resulted in a decrease in revenue deficiency of \$13,100. The parties agreed to the proposed Loss Factors included in the application. Details are included in **Appendix E**.

## Operating Costs

The Parties agreed during the settlement process to Operating costs of \$9,125,919 for the 2010 Test Year, including OM&A of \$5,680,408, depreciation of \$2,694,912 and \$686,307 for income and capital taxes.

OM&A decreased by \$98,646 from that proposed in the Application, related mainly to the reductions of \$35,000 for training; \$20,000 for succession planning; \$24,773 on account of the July 1, 2010 change to Harmonized Sales Tax ("HST"); \$110,000 for the revised treatment of the proposed Real Time Operating Pilot Programs; and an increase of \$137,809 in truck related expenses. The changes to OM&A are detailed in **Appendix F**. NBHDL notes, however, that as acknowledged in the Settlement Agreement, the actual decisions as to how to allocate resources, and in what areas to spend the agreed-upon capital and operating,

maintenance and administrative costs, are ones that must be made by the utility during the course of the year.

NBHDL will proceed to conduct the two Real Time Operating Pilot programs in accordance with the Board's direction for a total budget of \$110,000, tracking the expenditures in a deferral account. NBHDL will also proceed with applying the approved adder of \$0.08 per metered customer per month through the Test Year and IRM period. The recoveries will also be tracked in a deferral account as instructed.

Depreciation was reduced in the settlement process by \$206,196, from the \$2,901,108 in the Application to \$2,694,912. This net reduction was due to an increase of \$137,809 in truck related depreciation, the decrease in 2009 capital spending (and corresponding decrease in depreciation) and the increase in the 2010 capital spending (with a corresponding increase in depreciation based on the ½ year rule).

Payments-in-Lieu of Taxes increased during the settlement process – from \$596,055 to \$686,307 – to reflect the change in the Ontario corporate tax rates that come into effect July 1, 2010; the applicable small business deduction credit; revised CCA related to the capital spending changes; and apprenticeship tax credits. Revised PILs calculations are detailed in **Appendix G**.

### **Cost of Capital and Capital Structure**

NBHDL's Draft Rate Order reflects the Board-approved Return on Equity of 9.85% and deemed capital structure for rate making purposes of 56% long term debt, 4% short term debt, and 40% equity. The Parties agreed during the settlement process that the 2009 Infrastructure Ontario loan that was related to the smart meter expenditure should be removed from NBHDL's long term debt for rate making purposes. The Parties also agreed that for rate making purposes, interest on the promissory note payable to the City of North Bay will be calculated at 5% and interest on NBHDL's 2010 Infrastructure Ontario loan will be calculated at 4.63%. The above revisions reflect a blended long term debt rate for rate making purposes of 4.96%, a reduction of 1.98% from the 6.94% shown in the Application. Updated weighted long term debt calculations are provided in **Appendix H**.

### **Cost Allocation – Updated April 14, 2010**

The Draft Rate Order reflects the agreement made during the settlement process in respect of the revenue to cost ratios for NBHDL's customer classes. ***NBHDL confirms that for all classes that are below the Board's approved target ranges, NBHDL will increase them by 50% of the difference between their current levels and the bottom of the corresponding range in 2010, and a further 25% of the difference in each of 2011 and 2012, so that all classes will be at least at the bottom of the Board approved range by 2012. NBHDL also confirms that the starting revenue to cost ratios have been slightly modified in accordance with the settlement agreement. Appendix I*** reflects the revenue to cost ratio changes from the Application.

## Rate Design

In the Application, NBHDL proposed to maintain the fixed-variable splits for each of its customer classes. The parties agreed with this proposal, with two exceptions – the monthly service charges for the General Service <50 kW and General Service >50 kW classes will be maintained at their 2009 levels. The Parties also agreed that NBHDL will change the monthly service charges for its Unmetered Scattered Load class to a per connection basis. The Parties also agree to increase NBHDL's non-Service Transaction Request retailer service charge, from \$0.50 per customer per month to \$1.37 per customer per month. **Appendix J** reflects the rate design changes from the Application.

## Deferral and Variance Accounts

NBHDL's application proposed to dispose of \$456,003 in deferral and variance account balances over a single year. The Parties agreed with this approach during the settlement process.

As acknowledged by the Board in the Decision, NBHDL's billing system is not capable of establishing a separate rider for RPP and non-RPP customers within the same class for the disposition of the global adjustment sub-account balance. The Board directed NBHDL to provide cost estimates to accommodate separate riders no later than its next rebasing proceeding, and NBHDL confirms that it will do so. At this time, in accordance with the Board's directions, NBHDL will dispose of the allocated global adjustment sub-account balance from all customers in each affected rate class.

The deferral and variance account rate riders are shown in **Appendix K**.

## LRAM/SSM

NBHDL agreed to reduce the residential class LRAM amount from \$228,240 to \$177,237 (a reduction of \$51,003) due to the use of OPA measures rather than the OEB assumptions and measures. The General Service 50-2999 kW and Intermediate classes changed from the original application due to changes related to the load forecast. The Draft Rate Order reflects the agreement made during the settlement process for the rate riders related to LRAM/SSM. **Appendix L** reflects the changes in the LRAM/SSM riders from the Application through the settlement process.



## **SCHEDULE OF APPENDICES**

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- A     Tariff of Rates and Charges - Effective and Implementation Date May 1, 2010**
- B     Summary of Monthly Bill Impacts**
- C     Revenue Deficiency**
- D     Rate Base**
- E     Load Forecast**
- F     OM&A Costs**
- G     Payment in Lieu of Taxes**
- H     Cost of Capital**
- I     Cost Allocation**
- J     Rate Design**
- K     Deferral and Variance Accounts**
- L     LRAM and SSM**

**APPENDIX A**  
**Updated April 14, 2010**

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**Tariff of Rates and Charges - Effective and Implementation Date May 1, 2010**

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**North Bay Hydro Distribution Ltd.  
TARIFF OF RATES AND CHARGES**

**Effective May 1, 2010, except for the microFIT Generator Class Effective date of September 1, 2009**  
This schedule supersedes and replaces all previously approved schedules of Rate, Charges and Loss Factors

EB-2009-0270

**APPLICATION**

- The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Codes, Guidelines or Orders of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.
- No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code, Guideline or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.
- This schedule does not contain any rates and charges relating to the electricity commodity (e.g. the Regulated Price Plan).

**EFFECTIVE DATES**

DISTRIBUTION RATES - May 1, 2010 for all consumption or deemed consumption services used on or after that date.

SPECIFIC SERVICE CHARGES - May 1, 2010 for all charges incurred by customers on or after that date.

LOSS FACTOR ADJUSTMENT - May 1, 2010 unless the distributor is not capable of prorating changed loss factors jointly with distribution rates. In that case, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

**SERVICE CLASSIFICATIONS**

**Residential:**

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single phase.

**General Service Less Than 50kW:**

This classification includes non residential account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW.

**General Service 50 to 2,999 kW:**

This classification includes non-residential accounts where 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 3,000 kW.

**General Service 3,000 to 4,999 kW: - Updated April 14, 2010**

This classification includes non residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 3,000 kW but less than 5,000 kW.

**Unmetered Scattered Load:**

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electrical demand/ consumption of the proposed unmetered load.

**Sentinel Lighting:**

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light.

**Street Lighting:**

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template.

**microFIT Generator: Updated April 14, 2010**

This classification applies to an electricity generation facility contracted under the Ontario Power Authority's microFIT program and connected to the distributor's distribution system.

## North Bay Hydro Distribution Ltd. TARIFF OF RATES AND CHARGES

**Effective May 1, 2010, except for the microFit Generator Class Effective date of September 1, 2009**

This schedule supersedes and replaces all previously approved schedules of Rate, Charges and Loss Factors

### Residential

Service Charge	\$ 14.16
Smart Meter Funding Adder	\$ 1.47
Smart Grid Rate Adder	\$ 0.0800
Distribution Volumetric Rate	\$/kWh 0.0127
Low Voltage Cost Rate Rider	\$/kWh 0.00004
Deferral and Variance Account Rate Rider	\$/kWh 0.0004
LRAM / SSM Rate Rider	\$/kWh 0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh 0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh 0.0048
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	\$ 21.70
Smart Meter Funding Adder	\$ 1.47
Smart Grid Rate Adder	\$ 0.0800
Distribution Volumetric Rate	\$/kWh 0.0168
Low Voltage Cost Rate Rider	\$/kWh 0.00004
Deferral and Variance Account Rate Rider	\$/kWh 0.0004
LRAM / SSM Rate Rider	\$/kWh 0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh 0.0049
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh 0.0043
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 2,999 kW

Service Charge	\$ 311.40
Smart Meter Funding Adder	\$ 1.47
Smart Grid Rate Adder	\$ 0.0800
Distribution Volumetric Rate	\$/kW 2.2209
Low Voltage Cost Rate Rider	\$/kWh 0.0139
Deferral and Variance Account Rate Rider	\$/kWh 0.4499
LRAM / SSM Rate Rider	\$/kWh 0.0677
Retail Transmission Rate – Network Service Rate	\$/kW 1.9607
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW 1.7084
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 3,000 to 4,999 kW

Service Charge	\$ 4,420.45
Smart Meter Funding Adder	\$ 1.47
Smart Grid Rate Adder	\$ 0.0800
Distribution Volumetric Rate	\$/kW 0.8434
Low Voltage Cost Rate Rider	\$/kWh 0.0154
Deferral and Variance Account Rate Rider	\$/kWh 0.7175
LRAM / SSM Rate Rider	\$/kWh 0.0170
Retail Transmission Rate – Network Service Rate	\$/kW 2.0798
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW 1.8881
Wholesale Market Service Rate	\$/kWh 0.0052
Rural Rate Protection Charge	\$/kWh 0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$ 0.25

Filed April 14, 2010 – Updated April 14, 2010

## North Bay Hydro Distribution Ltd. TARIFF OF RATES AND CHARGES

**Effective May 1, 2010, except for the microFIT Generator Class Effective date of September 1, 2009**

This schedule supersedes and replaces all previously approved schedules of Rate, Charges and Loss Factors

### Unmetered Scattered Load

Service Charge (per connection)	\$ 6.79
Distribution Volumetric Rate	\$/kWh 0.0157
Low Voltage Cost Rate Rider	\$/kWh 0.00004
Deferral and Variance Account Rate Rider	\$/kWh 0.0003
LRAM / SSM Rate Rider	\$/kWh 0.0024
Retail Transmission Rate – Network Service Rate	\$/kWh 0.0049
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh 0.0043
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)	\$ 3.26
Distribution Volumetric Rate	\$/kW 11.3671
Low Voltage Cost Rate Rider	\$/kWh 0.0110
Deferral and Variance Account Rate Rider	\$/kWh (0.3801)
Retail Transmission Rate – Network Service Rate	\$/kW 1.4861
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW 1.3483
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)	\$ 2.61
Distribution Volumetric Rate	\$/kW 13.9687
Low Voltage Cost Rate Rider	\$/kWh 0.0108
Deferral and Variance Account Rate Rider	\$/kWh (0.8676)
Retail Transmission Rate – Network Service Rate	\$/kW 1.4786
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW 1.3206
Wholesale Market Service Rate	\$/kWh 0.0052
Rural Rate Protection Charge	\$/kWh 0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$ 0.25

### microFIT Generator

Service Charge (per connection)	\$ 5.25
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### Specific Service Charges

Customer Administration	
Returned cheque charge (plus bank charges)	\$ 15.00
Legal letter charge	\$ 15.00
Account set up charge/change of occupancy charge(plus credit agency costs if applicable)	\$ 30.00
Special meter reads	\$ 30.00
Meter dispute charge plus Measurement Canada fees(if meter found correct)	\$ 30.00

### Non-Payment of Account

Late Payment - per month	% 1.50
Late Payment - per annum	% 19.56
Collection of account charge - no disconnection	\$ 30.00
Disconnect/Reconnect at meter - during regular hours	\$ 65.00
Disconnect/Reconnect at meter - after regular hours	\$ 165.00

Service call - customer-owned equipment	\$ 30.00
Specific Charge for Access to the Power Poles \$/pole/year	\$ 22.35

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

**North Bay Hydro Distribution Ltd.  
TARIFF OF RATES AND CHARGES**

**Effective May 1, 2010, except for the microFit Generator Class Effective date of September 1, 2009**

This schedule supersedes and replaces all previously approved schedules of Rate, Charges and Loss Factors

**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. 1.37
Distributor-consolidated billing charge, per customer, per retailer	\$/cust. 0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust. (0.30)
Service Transaction Requests (STR)	
Request fee, per request, applied to the requesting party	\$ 0.25
Processing fee, per request, applied to the requesting party	\$ 0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party	
Up to twice a year no charge	
More than twice a year, per request (plus incremental delivery costs)	\$ 2.00

**LOSS FACTORS**

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0480
Total Loss Factor – Secondary Metered Customer > 5,000 kW	N/A
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0375
Total Loss Factor – Primary Metered Customer > 5,000 kW	N/A

## APPENDIX B

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### Summary of Monthly Bill Impacts

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RESIDENTIAL									
		2009 BILL			2010 BILL			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	% of Total Bill
<b>Consumption</b> <b>100 kWh</b>	Monthly Service Charge			12.53			14.16	1.63	13.01%
	Distribution (kWh)	100	0.0112	1.12	100	0.01274	1.27	0.15	13.75%
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)
	Smart Grid (per month)			0.00			0.08	0.08	0.30%
	LRAM & SSM Rider (kWh)	100	0.0000	0.00	100	0.0003	0.03	0.03	0.11%
	Regulatory Assets (kWh)	100	0.0000	0.00	100	0.0004	0.04	0.04	0.16%
	<b>Sub-Total - Distribution</b>			<b>15.76</b>			<b>17.06</b>	<b>1.30</b>	<b>8.22%</b>
	RTSR - Network	104	0.0052	0.54	105	0.0053	0.55	0.01	2.44%
	RTSR - Connection	104	0.0047	0.49	105	0.0048	0.51	0.02	3.62%
	<b>Sub-Total - Delivery</b>			<b>16.79</b>			<b>18.12</b>	<b>1.33</b>	<b>7.90%</b>
	Wholesale Market Rate	104	0.0065	0.68	105	0.0065	0.68	0.01	0.90%
	DRC	100	0.0070	0.70	100	0.0070	0.70	0.00	0.00%
	Cost of Power Commodity (kWh)	104	0.0570	5.92	105	0.0570	5.97	0.05	0.90%
	Cost of Power Commodity (kWh)	0	0.0660	0.00	0	0.0660	0.00	0.00	0.00%
	<b>Sub-Total - Other Charges</b>			<b>24.08</b>			<b>25.47</b>	<b>1.39</b>	<b>5.76%</b>
	GST		5.00%	1.20		5.00%	1.27	0.07	5.76%
	<b>TOTAL BILL</b>			<b>25.29</b>			<b>26.74</b>	<b>1.46</b>	<b>5.76%</b>

RESIDENTIAL									
		2009 BILL			2010 BILL			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	% of Total Bill
<b>Consumption</b> <b>250 kWh</b>	Monthly Service Charge			12.53			14.16	1.63	13.01%
	Distribution (kWh)	250	0.0112	2.80	250	0.01274	3.19	0.39	13.75%
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)
	Smart Grid (per month)			0.00			0.08	0.08	0.19%
	LRAM & SSM Rider (kWh)	250	0.0000	0.00	250	0.0003	0.08	0.08	0.18%
	Regulatory Assets (kWh)	250	0.0000	0.00	250	0.0004	0.11	0.11	0.25%
	<b>Sub-Total - Distribution</b>			<b>17.44</b>			<b>19.08</b>	<b>1.64</b>	<b>9.38%</b>
	RTSR - Network	260	0.0052	1.35	262	0.0053	1.38	0.03	2.44%
	RTSR - Connection	260	0.0047	1.22	262	0.0048	1.26	0.04	3.62%
	<b>Sub-Total - Delivery</b>			<b>20.01</b>			<b>21.72</b>	<b>1.71</b>	<b>8.56%</b>
	Wholesale Market Rate	260	0.0065	1.69	262	0.0065	1.70	0.02	0.90%
	DRC	250	0.0070	1.75	250	0.0070	1.75	0.00	0.00%
	Cost of Power Commodity (kWh)	260	0.0570	14.80	262	0.0570	14.93	0.13	0.90%
	Cost of Power Commodity (kWh)	0	0.0660	0.00	0	0.0660	0.00	0.00	0.00%
	<b>Sub-Total - Other Charges</b>			<b>38.25</b>			<b>40.11</b>	<b>1.86</b>	<b>4.86%</b>
	GST		5.00%	1.91		5.00%	2.01	0.09	4.86%
	<b>TOTAL BILL</b>			<b>40.16</b>			<b>42.12</b>	<b>1.95</b>	<b>4.86%</b>



RESIDENTIAL									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>									
<b>500 kWh</b>									
Monthly Service Charge			12.53			14.16	1.63	13.01%	20.90%
Distribution (kWh)	500	0.0112	5.60	500	0.01274	6.37	0.77	13.75%	9.40%
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	2.17%
Smart Grid (per month)			0.00			0.08	0.08		0.12%
LRAM & SSM Rider (kWh)	500	0.0000	0.00	500	0.0003	0.15	0.15		0.22%
Regulatory Assets (kWh)	500	0.0000	0.00	500	0.0004	0.21	0.21		0.31%
<b>Sub-Total - Distribution</b>			<b>20.24</b>			<b>22.44</b>	<b>2.20</b>	<b>10.87%</b>	<b>33.13%</b>
RTSR - Network	519	0.0052	2.70	524	0.0053	2.77	0.07	2.44%	4.08%
RTSR - Connection	519	0.0047	2.44	524	0.0048	2.53	0.09	3.62%	3.73%
<b>Sub-Total - Delivery</b>			<b>25.38</b>			<b>27.74</b>	<b>2.35</b>	<b>9.27%</b>	<b>40.95%</b>
Wholesale Market Rate	519	0.0065	3.38	524	0.0065	3.41	0.03	0.90%	5.03%
DRC	500	0.0070	3.50	500	0.0070	3.50	0.00	0.00%	5.17%
Cost of Power Commodity (kW h)	519	0.0570	29.60	524	0.0570	29.87	0.27	0.90%	44.10%
Cost of Power Commodity (kW h)	0	0.0660	0.00	0	0.0660	0.00	0.00		0.00%
<b>Sub-Total - Other Charges</b>			<b>61.86</b>			<b>64.51</b>	<b>2.65</b>	<b>4.29%</b>	<b>95.24%</b>
GST		5.00%	3.09		5.00%	3.23	0.13	4.29%	4.76%
<b>TOTAL BILL</b>			<b>64.95</b>			<b>67.74</b>	<b>2.78</b>	<b>4.29%</b>	<b>100.00%</b>

RESIDENTIAL									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>									
<b>800 kWh</b>									
Monthly Service Charge			12.53			14.16	1.63	13.01%	14.06%
Distribution (kWh)	800	0.0112	8.96	800	0.01274	10.19	1.23	13.75%	10.12%
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	1.46%
Smart Grid (per month)			0.00			0.08	0.08		0.08%
LRAM & SSM Rider (kWh)	800	0.0000	0.00	800	0.0003	0.24	0.24		0.24%
Regulatory Assets (kWh)	800	0.0000	0.00	800	0.0004	0.34	0.34		0.33%
<b>Sub-Total - Distribution</b>			<b>23.60</b>			<b>26.48</b>	<b>2.88</b>	<b>12.19%</b>	<b>26.29%</b>
RTSR - Network	831	0.0052	4.32	838	0.0053	4.43	0.11	2.44%	4.39%
RTSR - Connection	831	0.0047	3.91	838	0.0048	4.05	0.14	3.62%	4.02%
<b>Sub-Total - Delivery</b>			<b>31.83</b>			<b>34.95</b>	<b>3.12</b>	<b>9.82%</b>	<b>34.70%</b>
Wholesale Market Rate	831	0.0065	5.40	838	0.0065	5.45	0.05	0.90%	5.41%
DRC	800	0.0070	5.60	800	0.0070	5.60	0.00	0.00%	5.56%
Cost of Power Commodity (kW h)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	33.95%
Cost of Power Commodity (kW h)	231	0.0660	15.24	238	0.0660	15.74	0.49	3.24%	15.62%
<b>Sub-Total - Other Charges</b>			<b>92.27</b>			<b>95.94</b>	<b>3.67</b>	<b>3.97%</b>	<b>95.24%</b>
GST		5.00%	4.61		5.00%	4.80	0.18	3.97%	4.76%
<b>TOTAL BILL</b>			<b>96.88</b>			<b>100.73</b>	<b>3.85</b>	<b>3.97%</b>	<b>100.00%</b>

RESIDENTIAL									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>									
<b>1,000 kWh</b>									
Monthly Service Charge			12.53			14.16	1.63	13.01%	11.49%
Distribution (kWh)	1,000	0.0112	11.20	1,000	0.01274	12.74	1.54	13.75%	10.34%
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	1.19%
Smart Grid (per month)			0.00			0.08	0.08		0.06%
LRAM & SSM Rider (kWh)	1,000	0.0000	0.00	1,000	0.0003	0.30	0.30		0.24%
Regulatory Assets (kWh)	1,000	0.0000	0.00	1,000	0.0004	0.42	0.42		0.34%
<b>Sub-Total - Distribution</b>			<b>25.84</b>			<b>29.17</b>	<b>3.33</b>	<b>12.89%</b>	<b>23.68%</b>
RTSR - Network	1,039	0.0052	5.40	1,048	0.0053	5.53	0.13	2.44%	4.49%
RTSR - Connection	1,039	0.0047	4.88	1,048	0.0048	5.06	0.18	3.62%	4.11%
<b>Sub-Total - Delivery</b>			<b>36.12</b>			<b>39.76</b>	<b>3.64</b>	<b>10.07%</b>	<b>32.27%</b>
Wholesale Market Rate	1,039	0.0065	6.75	1,048	0.0065	6.81	0.06	0.90%	5.53%
DRC	1,000	0.0070	7.00	1,000	0.0070	7.00	0.00	0.00%	5.68%
Cost of Power Commodity (kW h)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	27.76%
Cost of Power Commodity (kW h)	439	0.0660	28.95	448	0.0660	29.57	0.62	2.13%	24.00%
<b>Sub-Total - Other Charges</b>			<b>113.03</b>			<b>117.34</b>	<b>4.32</b>	<b>3.82%</b>	<b>95.24%</b>
GST		5.00%	5.65		5.00%	5.87	0.22	3.82%	4.76%
<b>TOTAL BILL</b>			<b>118.68</b>			<b>123.21</b>	<b>4.53</b>	<b>3.82%</b>	<b>100.00%</b>

RESIDENTIAL									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>									
<b>1,500 kWh</b>									
Monthly Service Charge			12.53			14.16	1.63	13.01%	7.89%
Distribution (kWh)	1,500	0.0112	16.80	1,500	0.01274	19.11	2.31	13.75%	10.65%
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	0.82%
Smart Grid (per month)			0.00			0.08	0.08		0.04%
LRAM & SSM Rider (kWh)	1,500	0.0000	0.00	1,500	0.0003	0.45	0.45		0.25%
Regulatory Assets (kWh)	1,500	0.0000	0.00	1,500	0.0004	0.63	0.63		0.35%
<b>Sub-Total - Distribution</b>			<b>31.44</b>			<b>35.90</b>	<b>4.46</b>	<b>14.19%</b>	<b>20.01%</b>
RTSR - Network	1,558	0.0052	8.10	1,572	0.0053	8.30	0.20	2.44%	4.63%
RTSR - Connection	1,558	0.0047	7.32	1,572	0.0048	7.59	0.26	3.62%	4.23%
<b>Sub-Total - Delivery</b>			<b>46.86</b>			<b>51.79</b>	<b>4.92</b>	<b>10.50%</b>	<b>28.87%</b>
Wholesale Market Rate	1,558	0.0065	10.13	1,572	0.0065	10.22	0.09	0.90%	5.70%
DRC	1,500	0.0070	10.50	1,500	0.0070	10.50	0.00	0.00%	5.85%
Cost of Power Commodity (kW h)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	19.06%
Cost of Power Commodity (kW h)	958	0.0660	63.23	972	0.0660	64.15	0.93	1.47%	35.76%
<b>Sub-Total - Other Charges</b>			<b>164.92</b>			<b>170.86</b>	<b>5.94</b>	<b>3.60%</b>	<b>95.24%</b>
GST		5.00%	8.25		5.00%	8.54	0.30	3.60%	4.76%
<b>TOTAL BILL</b>			<b>173.16</b>			<b>179.40</b>	<b>6.24</b>	<b>3.60%</b>	<b>100.00%</b>

RESIDENTIAL									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>									
<b>2,000 kWh</b>									
Monthly Service Charge			12.53			14.16	1.63	13.01%	6.01%
Distribution (kWh)	2,000	0.0112	22.40	2,000	0.0127	25.48	3.08	13.75%	10.82%
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	0.62%
Smart Grid (per month)			0.00			0.08	0.08		0.03%
LRAM & SSM Rider (kWh)	2,000	0.0000	0.00	2,000	0.0003	0.60	0.60		0.25%
Regulatory Assets (kWh)	2,000	0.0000	0.00	2,000	0.0004	0.84	0.84		0.36%
<b>Sub-Total - Distribution</b>			<b>37.04</b>			<b>42.63</b>	<b>5.59</b>	<b>15.09%</b>	<b>18.09%</b>
RTSR - Network	2,077	0.0052	10.80	2,096	0.0053	11.07	0.26	2.44%	4.70%
RTSR - Connection	2,077	0.0047	9.76	2,096	0.0048	10.12	0.35	3.62%	4.29%
<b>Sub-Total - Delivery</b>			<b>57.61</b>			<b>63.81</b>	<b>6.21</b>	<b>10.77%</b>	<b>27.09%</b>
Wholesale Market Rate	2,077	0.0065	13.50	2,096	0.0065	13.62	0.12	0.90%	5.78%
DRC	2,000	0.0070	14.00	2,000	0.0070	14.00	0.00	0.00%	5.94%
Cost of Power Commodity (kW h)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.00%	14.52%
Cost of Power Commodity (kW h)	1,477	0.0660	97.50	1,496	0.0660	98.74	1.24	1.27%	41.91%
<b>Sub-Total - Other Charges</b>			<b>216.81</b>			<b>224.37</b>	<b>7.56</b>	<b>3.49%</b>	<b>95.24%</b>
GST		5.00%	10.84		5.00%	11.22	0.38	3.49%	4.76%
<b>TOTAL BILL</b>			<b>227.65</b>			<b>235.59</b>	<b>7.94</b>	<b>3.49%</b>	<b>100.00%</b>

GENERAL SERVICE < 50 kW									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>									
<b>1,000 kWh</b>									
Monthly Service Charge			21.70			21.70	0.00	0.00%	16.33%
Distribution (kWh)	1,000	0.0139	13.90	1,000	0.01684	16.84	2.94	21.15%	12.67%
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	1.11%
Smart Grid (per month)			0.00			0.08	0.08		0.06%
LRAM & SSM Rider (kWh)	1,000	0.0000	0.00	1,000	0.0002	0.20	0.20		0.15%
Regulatory Assets (kWh)	1,000	0.0000	0.00	1,000	0.0004	0.39	0.39		0.29%
<b>Sub-Total - Distribution</b>			<b>37.71</b>			<b>40.68</b>	<b>2.97</b>	<b>7.88%</b>	<b>30.62%</b>
RTSR - Network	1,039	0.0048	4.99	1,048	0.0049	5.11	0.12	2.44%	3.84%
RTSR - Connection	1,039	0.0042	4.36	1,048	0.0043	4.52	0.16	3.62%	3.40%
<b>Sub-Total - Delivery</b>			<b>47.06</b>			<b>50.31</b>	<b>3.25</b>	<b>6.90%</b>	<b>37.86%</b>
Wholesale Market Rate	1,039	0.0065	6.75	1,048	0.0065	6.81	0.06	0.90%	5.13%
DRC	1,000	0.0070	7.00	1,000	0.0070	7.00	0.00	0.00%	5.27%
Cost of Power Commodity (kW h)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	32.18%
Cost of Power Commodity (kW h)	289	0.0660	19.05	298	0.0660	19.67	0.62	3.24%	14.80%
<b>Sub-Total - Other Charges</b>			<b>122.61</b>			<b>126.54</b>	<b>3.93</b>	<b>3.20%</b>	<b>95.24%</b>
GST		5.00%	6.13		5.00%	6.33	0.20	3.20%	4.76%
<b>Total Bill</b>			<b>128.74</b>			<b>132.87</b>	<b>4.12</b>	<b>3.20%</b>	<b>100.00%</b>

GENERAL SERVICE < 50 kW									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>									
<b>2,000 kWh</b>									
Monthly Service Charge			21.70			21.70	0.00	0.00 %	8.74 %
Distribution (kWh)	2,000	0.0139	27.80	2,000	0.01684	33.68	5.88	21.15 %	13.56 %
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)	0.59 %
Smart Grid (per month)			0.00			0.08	0.08		0.03 %
LRAM & SSM Rider (kWh)	2,000	0.0000	0.00	2,000	0.0002	0.40	0.40		0.16 %
Regulatory Assets (kWh)	2,000	0.0000	0.00	2,000	0.0004	0.78	0.78		0.31 %
<b>Sub-Total - Distribution</b>			<b>51.61</b>			<b>58.11</b>	<b>6.50</b>	<b>12.59 %</b>	<b>23.39 %</b>
RTSR - Network	2,077	0.0048	9.97	2,096	0.0049	10.21	0.24	2.44 %	4.11 %
RTSR - Connection	2,077	0.0042	8.72	2,096	0.0043	9.04	0.32	3.62 %	3.64 %
<b>Sub-Total - Delivery</b>			<b>70.31</b>			<b>77.36</b>	<b>7.06</b>	<b>10.04 %</b>	<b>31.14 %</b>
Wholesale Market Rate	2,077	0.0065	13.50	2,096	0.0065	13.62	0.12	0.90 %	5.48 %
DRC	2,000	0.0070	14.00	2,000	0.0070	14.00	0.00	0.00 %	5.64 %
Cost of Power Commodity (kW h)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00 %	17.21 %
Cost of Power Commodity (kW h)	1,327	0.0660	87.60	1,346	0.0660	88.84	1.24	1.41 %	35.76 %
<b>Sub-Total - Other Charges</b>			<b>228.16</b>			<b>236.58</b>	<b>8.42</b>	<b>3.69 %</b>	<b>95.24 %</b>
GST		5.00 %	11.41		5.00 %	11.83	0.42	3.69 %	4.76 %
<b>Total Bill</b>			<b>239.57</b>			<b>248.41</b>	<b>8.84</b>	<b>3.69 %</b>	<b>100.00 %</b>

GENERAL SERVICE < 50 kW									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>									
<b>5,000 kWh</b>									
Monthly Service Charge			21.70			21.70	0.00	0.00 %	3.65 %
Distribution (kWh)	5,000	0.0139	69.50	5,000	0.01684	84.20	14.70	21.15 %	14.15 %
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)	0.25 %
Smart Grid (per month)			0.00			0.08	0.08		0.01 %
LRAM & SSM Rider (kWh)	5,000	0.0000	0.00	5,000	0.0002	1.00	1.00		0.17 %
Regulatory Assets (kWh)	5,000	0.0000	0.00	5,000	0.0004	1.95	1.95		0.33 %
<b>Sub-Total - Distribution</b>			<b>93.31</b>			<b>110.40</b>	<b>17.09</b>	<b>18.32 %</b>	<b>18.55 %</b>
RTSR - Network	5,193	0.0048	24.93	5,240	0.0049	25.53	0.61	2.44 %	4.29 %
RTSR - Connection	5,193	0.0042	21.81	5,240	0.0043	22.60	0.79	3.62 %	3.80 %
<b>Sub-Total - Delivery</b>			<b>140.05</b>			<b>158.54</b>	<b>18.49</b>	<b>13.20 %</b>	<b>26.64 %</b>
Wholesale Market Rate	5,193	0.0065	33.76	5,240	0.0065	34.06	0.30	0.90 %	5.72 %
DRC	5,000	0.0070	35.00	5,000	0.0070	35.00	0.00	0.00 %	5.88 %
Cost of Power Commodity (kW h)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00 %	7.18 %
Cost of Power Commodity (kW h)	4,443	0.0660	293.26	4,490	0.0660	296.35	3.09	1.05 %	49.80 %
<b>Sub-Total - Other Charges</b>			<b>544.81</b>			<b>566.69</b>	<b>21.88</b>	<b>4.02 %</b>	<b>95.24 %</b>
GST		5.00 %	27.24		5.00 %	28.33	1.09	4.02 %	4.76 %
<b>Total Bill</b>			<b>572.05</b>			<b>595.03</b>	<b>22.97</b>	<b>4.02 %</b>	<b>100.00 %</b>

GENERAL SERVICE < 50 kW									
		2009 BILL			2010 BILL			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %
<b>Consumption</b> <b>10,000 kWh</b>	Monthly Service Charge			21.70			21.70	0.00	0.00 %
	Distribution (kWh)	10,000	0.0139	139.00	10,000	0.01684	168.40	29.40	21.15 %
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)
	Smart Grid (per month)			0.00			0.08		0.01 %
	LRAM & SSM Rider (kWh)	10,000	0.0000	0.00	10,000	0.0002	2.00	2.00	0.17 %
	Regulatory Assets (kWh)	10,000	0.0000	0.00	10,000	0.0004	3.90	3.90	0.33 %
	<b>Sub-Total - Distribution</b>			<b>162.81</b>			<b>197.55</b>	<b>34.74</b>	<b>21.34 %</b>
	RTSR - Network	10,387	0.0048	49.86	10,480	0.0049	51.07	1.21	2.44 %
	RTSR - Connection	10,387	0.0042	43.62	10,480	0.0043	45.20	1.58	3.62 %
	<b>Sub-Total - Delivery</b>			<b>256.29</b>			<b>293.82</b>	<b>37.53</b>	<b>14.64 %</b>
	Wholesale Market Rate	10,387	0.0065	67.51	10,480	0.0065	68.12	0.61	0.90 %
	DRC	10,000	0.0070	70.00	10,000	0.0070	70.00	0.00	0.00 %
	Cost of Power Commodity (kW h)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00 %
	Cost of Power Commodity (kW h)	9,637	0.0660	636.01	9,730	0.0660	642.19	6.18	0.97 %
	<b>Sub-Total - Other Charges</b>			<b>1,072.56</b>			<b>1,116.88</b>	<b>44.32</b>	<b>4.13 %</b>
	GST		5.00%	53.63		5.00%	55.84	2.22	4.13 %
	<b>Total Bill</b>			<b>1,126.19</b>			<b>1,172.73</b>	<b>46.54</b>	<b>4.13 %</b>

GENERAL SERVICE < 50 kW									
		2009 BILL			2010 BILL			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %
<b>Consumption</b> <b>15,000 kWh</b>	Monthly Service Charge			21.70			21.70	0.00	0.00 %
	Distribution (kWh)	15,000	0.0139	208.50	15,000	0.01684	252.60	44.10	21.15 %
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)
	Smart Grid (per month)			0.00			0.08		0.00 %
	LRAM & SSM Rider (kWh)	15,000	0.0000	0.00	15,000	0.0002	3.00	3.00	0.17 %
	Regulatory Assets (kWh)	15,000	0.0000	0.00	15,000	0.0004	5.85	5.85	0.33 %
	<b>Sub-Total - Distribution</b>			<b>232.31</b>			<b>284.70</b>	<b>52.39</b>	<b>22.55 %</b>
	RTSR - Network	15,580	0.0048	74.78	15,720	0.0049	76.60	1.82	2.44 %
	RTSR - Connection	15,580	0.0042	65.44	15,720	0.0043	67.80	2.37	3.62 %
	<b>Sub-Total - Delivery</b>			<b>372.53</b>			<b>429.11</b>	<b>56.58</b>	<b>15.19 %</b>
	Wholesale Market Rate	15,580	0.0065	101.27	15,720	0.0065	102.18	0.91	0.90 %
	DRC	15,000	0.0070	105.00	15,000	0.0070	105.00	0.00	0.00 %
	Cost of Power Commodity (kW h)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00 %
	Cost of Power Commodity (kW h)	14,830	0.0660	978.77	14,970	0.0660	988.04	9.27	0.95 %
	<b>Sub-Total - Other Charges</b>			<b>1,600.31</b>			<b>1,667.08</b>	<b>66.76</b>	<b>4.17 %</b>
	GST		5.00%	80.02		5.00%	83.35	3.34	4.17 %
	<b>Total Bill</b>			<b>1,680.33</b>			<b>1,750.43</b>	<b>70.10</b>	<b>4.17 %</b>

GENERAL SERVICE > 50 kW									
		2009 BILL			2010 BILL			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %
Consumption									% of Total Bill
25,000 kWh	Monthly Service Charge			311.40			311.40	0.00	0.00 %
60 kW	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00	0.00 %
	Distribution (kW)	60	2.1783	130.70	60	2.2348	134.09	3.39	2.59 %
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)
	Smart Grid (per month)			0.00			0.08	0.08	0.00 %
	LRAM & SSM Rider (kW)	60	0.0000	0.00	60	0.0677	4.06	4.06	0.15 %
	Regulatory Assets (kW)	60	0.0000	0.00	60	0.4499	26.99	26.99	0.98 %
	<b>Sub-Total - Distribution</b>			<b>444.21</b>			<b>478.09</b>	<b>33.89</b>	<b>7.63 %</b>
	RTSR - Network	60	1.9313	115.88	60	1.9607	117.64	1.76	1.52 %
	RTSR - Connection	60	1.6636	99.82	60	1.7084	102.50	2.69	2.69 %
	<b>Sub-Total - Delivery</b>			<b>659.90</b>			<b>698.24</b>	<b>38.33</b>	<b>5.81 %</b>
	Wholesale Market Rate	25,966	0.0065	168.78	26,200	0.0065	170.30	1.52	0.90 %
	DRC	25,000	0.0070	175.00	25,000	0.0070	175.00	0.00	0.00 %
	Cost of Power Commodity (kWh)	25,966	0.0604	1,567.83	26,200	0.0604	1,581.96	14.14	0.90 %
	<b>Sub-Total - Other Charges</b>			<b>2,571.51</b>			<b>2,625.50</b>	<b>53.99</b>	<b>2.10 %</b>
	GST		5.00 %	128.58		5.00 %	131.28	2.70	2.10 %
	<b>TOTAL BILL</b>			<b>2,700.08</b>			<b>2,756.78</b>	<b>56.69</b>	<b>2.10 %</b>

GENERAL SERVICE > 50 kW									
		2009 BILL			2010 BILL			IMPACT	
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %
Consumption									% of Total Bill
40,000 kWh	Monthly Service Charge			311.40			311.40	0.00	0.00 %
100 kW	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00	0.00 %
	Distribution (kW)	100	2.1783	217.83	100	2.2348	223.48	5.65	2.59 %
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)
	Smart Grid (per month)			0.00			0.08	0.08	0.00 %
	LRAM & SSM Rider (kW)	100	0.0000	0.00	100	0.0677	6.77	6.77	0.16 %
	Regulatory Assets (kW)	100	0.0000	0.00	100	0.4499	44.99	44.99	1.06 %
	<b>Sub-Total - Distribution</b>			<b>531.34</b>			<b>588.19</b>	<b>56.85</b>	<b>10.70 %</b>
	RTSR - Network	100	1.9313	193.13	100	1.9607	196.07	2.94	1.52 %
	RTSR - Connection	100	1.6636	166.36	100	1.7084	170.84	4.48	2.69 %
	<b>Sub-Total - Delivery</b>			<b>890.83</b>			<b>955.09</b>	<b>64.26</b>	<b>7.21 %</b>
	Wholesale Market Rate	41,546	0.0065	270.05	41,921	0.0065	272.48	2.43	0.90 %
	DRC	40,000	0.0070	280.00	40,000	0.0070	280.00	0.00	0.00 %
	Cost of Power Commodity (kWh)	41,546	0.0604	2,508.52	41,921	0.0604	2,531.14	22.62	0.90 %
	<b>Sub-Total - Other Charges</b>			<b>3,949.40</b>			<b>4,038.72</b>	<b>89.32</b>	<b>2.26 %</b>
	GST		5.00 %	197.47		5.00 %	201.94	4.47	2.26 %
	<b>TOTAL BILL</b>			<b>4,146.87</b>			<b>4,240.65</b>	<b>93.78</b>	<b>2.26 %</b>

GENERAL SERVICE > 50 kW									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>									
<b>215,000 kWh</b>									
<b>500 kW</b>									
Monthly Service Charge			311.40			311.40	0.00	0.00 %	1.48 %
Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00 %
Distribution (kW)	500	2.1783	1,089.15	500	2.2348	1,117.40	28.25	2.59 %	5.29 %
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)	0.01 %
Smart Grid (per month)			0.00			0.08	0.08		0.00 %
LRAM & SSM Rider (kW)	500	0.0000	0.00	500	0.0677	33.85	33.85		0.16 %
Regulatory Assets (kW)	500	0.0000	0.00	500	0.4499	224.96	224.96		1.07 %
<b>Sub-Total - Distribution</b>			<b>1,402.66</b>			<b>1,689.16</b>	<b>286.50</b>	<b>20.43 %</b>	<b>8.00 %</b>
RTSR - Network	500	1.9313	965.65	500	1.9607	980.33	14.68	1.52 %	4.65 %
RTSR - Connection	500	1.6636	831.80	500	1.7084	854.18	22.38	2.69 %	4.05 %
<b>Sub-Total - Delivery</b>			<b>3,200.11</b>			<b>3,523.66</b>	<b>323.55</b>	<b>10.11 %</b>	<b>16.70 %</b>
Wholesale Market Rate	223,310	0.0065	1,451.52	225,324	0.0065	1,464.61	13.09	0.90 %	6.94 %
DRC	215,000	0.0070	1,505.00	215,000	0.0070	1,505.00	0.00	0.00 %	7.13 %
Cost of Power Commodity (kWh)	223,310	0.0604	13,483.30	225,324	0.0604	13,604.87	121.57	0.90 %	64.47 %
<b>Sub-Total - Other Charges</b>			<b>19,639.93</b>			<b>20,098.14</b>	<b>458.21</b>	<b>2.33 %</b>	<b>95.24 %</b>
GST		5.00 %	982.00		5.00 %	1,004.91	22.91	2.33 %	4.76 %
<b>TOTAL BILL</b>			<b>20,621.93</b>			<b>21,103.05</b>	<b>481.12</b>	<b>2.33 %</b>	<b>100.00 %</b>

GENERAL SERVICE > 50 kW									
	2009 BILL			2010 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>									
<b>430,000 kWh</b>									
<b>1,000 kW</b>									
Monthly Service Charge			311.40			311.40	0.00	0.00 %	0.74 %
Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00 %
Distribution (kW)	1,000	2.1783	2,178.30	1,000	2.2348	2,234.80	56.50	2.59 %	5.34 %
Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33 %)	0.00 %
Smart Grid (per month)			0.00			0.08	0.08		0.00 %
LRAM & SSM Rider (kW)	1,000	0.0000	0.00	1,000	0.0677	67.70	67.70		0.16 %
Regulatory Assets (kW)	1,000	0.0000	0.00	1,000	0.4499	449.91	449.91		1.07 %
<b>Sub-Total - Distribution</b>			<b>2,491.81</b>			<b>3,065.36</b>	<b>573.55</b>	<b>23.02 %</b>	<b>7.32 %</b>
RTSR - Network	1,000	1.9313	1,931.30	1,000	1.9607	1,960.65	29.35	1.52 %	4.68 %
RTSR - Connection	1,000	1.6636	1,663.60	1,000	1.7084	1,708.37	44.77	2.69 %	4.08 %
<b>Sub-Total - Delivery</b>			<b>6,086.71</b>			<b>6,734.38</b>	<b>647.67</b>	<b>10.64 %</b>	<b>16.08 %</b>
Wholesale Market Rate	446,621	0.0065	2,903.04	450,648	0.0065	2,929.21	26.17	0.90 %	6.99 %
DRC	430,000	0.0070	3,010.00	430,000	0.0070	3,010.00	0.00	0.00 %	7.19 %
Cost of Power Commodity (kWh)	446,621	0.0604	26,966.61	450,648	0.0604	27,209.75	243.14	0.90 %	64.97 %
<b>Sub-Total - Other Charges</b>			<b>38,966.35</b>			<b>39,883.34</b>	<b>916.99</b>	<b>2.35 %</b>	<b>95.24 %</b>
GST		5.00 %	1,948.32		5.00 %	1,994.17	45.85	2.35 %	4.76 %
<b>TOTAL BILL</b>			<b>40,914.67</b>			<b>41,877.50</b>	<b>962.83</b>	<b>2.35 %</b>	<b>100.00 %</b>

**General Service > 3000 to 4999 kW**

		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>	Monthly Service Charge			2,399.29			4,420.45	2,021.16	84.24%	2.41%
<b>2,000,000 kWh</b>	Distribution (kWh)	0	0.0000	0.00	2,000,000	0.0000	0.00	0.00		0.00%
<b>3,500 kW</b>	Distribution (kW)	3,500	0.7321	2,562.35	3,500	0.8588	3,005.80	443.45	17.31%	1.64%
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	0.00%
	Smart Grid (per month)			0.00			0.08	0.08		0.00%
	Transformer Credit	3,500	(0.6000)	(2,100.00)	3,500	(0.6000)	(2,100.00)	0.00	0.00%	(1.15%)
	LRAM & SSM Rider (kW)	3,500	0.0000	0.00	3,500	0.0170	59.50	59.50		0.03%
	Regulatory Assets (kW)	3,500	0.0000	0.00	3,500	0.7175	2,511.18	2,511.18		1.37%
	<b>Sub-Total - Distribution</b>			<b>2,863.75</b>			<b>7,898.48</b>	<b>5,034.73</b>	<b>175.81%</b>	<b>4.31%</b>
	RTSR - Network	3,500	2.0487	7,170.45	3,500	2.0798	7,279.42	108.97	1.52%	3.97%
	RTSR - Connection	3,500	1.8386	6,435.10	3,500	1.8881	6,608.27	173.17	2.69%	3.61%
	<b>Sub-Total - Delivery</b>			<b>16,469.30</b>			<b>21,786.17</b>	<b>5,316.87</b>	<b>32.28%</b>	<b>11.89%</b>
	Wholesale Market Rate	2,056,533	0.0065	13,367.46	2,075,075	0.0065	13,487.99	120.53	0.90%	7.36%
	DRC	2,000,000	0.0070	14,000.00	2,000,000	0.0070	14,000.00	0.00	0.00%	7.64%
	Cost of Power Commodity (kWh)	2,056,533	0.0604	124,171.81	2,075,075	0.0604	125,291.40	1,119.58	0.90%	68.36%
	<b>Sub-Total - Other Charges</b>			<b>168,008.58</b>			<b>174,565.56</b>	<b>6,556.98</b>	<b>3.90%</b>	<b>95.24%</b>
	GST		5.00%	8,400.43		5.00%	8,728.28	327.85	3.90%	4.76%
	<b>TOTAL BILL</b>			<b>176,409.01</b>			<b>183,293.84</b>	<b>6,884.83</b>	<b>3.90%</b>	<b>100.00%</b>

**General Service > 3000 to 4999 kW**

		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Consumption</b>	Monthly Service Charge			2,399.29			4,420.45	2,021.16	84.24%	3.36%
<b>1,400,000 kWh</b>	Distribution (kWh)	0	0.0000	0.00	1,400,000	0.0000	0.00	0.00		0.00%
<b>2,800 kW</b>	Distribution (kW)	2,800	0.7321	2,049.88	2,800	0.8588	2,404.64	354.76	17.31%	1.83%
	Smart Meter / Storm Rider (per month)			2.11			1.47	(0.64)	(30.33%)	0.00%
	Smart Grid (per month)			0.00			0.08	0.08		0.00%
	Transformer Credit	2,800	(0.6000)	(1,680.00)	2,800	(0.6000)	(1,680.00)	0.00	0.00%	(1.28%)
	LRAM & SSM Rider (kW)	2,800	0.0000	0.00	2,800	0.0170	47.60	47.60		0.04%
	Regulatory Assets (kW)	2,800	0.0000	0.00	2,800	0.7175	2,008.94	2,008.94		1.53%
	<b>Sub-Total - Distribution</b>			<b>2,771.28</b>			<b>7,203.18</b>	<b>4,431.90</b>	<b>159.92%</b>	<b>5.48%</b>
	RTSR - Network	2,800	2.0487	5,736.36	2,800	2.0798	5,823.54	87.18	1.52%	4.43%
	RTSR - Connection	2,800	1.8386	5,148.08	2,800	1.8881	5,286.62	138.54	2.69%	4.02%
	<b>Sub-Total - Delivery</b>			<b>13,655.72</b>			<b>18,313.34</b>	<b>4,657.62</b>	<b>34.11%</b>	<b>13.92%</b>
	Wholesale Market Rate	1,439,573	0.0065	9,357.22	1,452,553	0.0065	9,441.59	84.37	0.90%	7.18%
	DRC	1,400,000	0.0070	9,800.00	1,400,000	0.0070	9,800.00	0.00	0.00%	7.45%
	Cost of Power Commodity (kWh)	1,439,573	0.0604	86,920.27	1,452,553	0.0604	87,703.98	783.71	0.90%	66.68%
	<b>Sub-Total - Other Charges</b>			<b>119,733.21</b>			<b>125,258.91</b>	<b>5,525.70</b>	<b>4.62%</b>	<b>95.24%</b>
	GST		5.00%	5,986.66		5.00%	6,262.95	276.28	4.62%	4.76%
	<b>TOTAL BILL</b>			<b>125,719.88</b>			<b>131,521.86</b>	<b>5,801.98</b>	<b>4.62%</b>	<b>100.00%</b>



Street Lighting										
		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Billing Determinants</b>	Monthly Service Charge	5,680	0.44	2,499.29	5,680	2.61	14,811.73	12,312.43	492.64%	28.94%
<b>5,680 Connections</b>	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00%
<b>275,000 kWh</b>	Distribution (kW)	800	2.3570	1,885.60	800	13.9795	11,183.60	9,298.00	493.11%	21.85%
	LRAM & SSM Rider (kW)	800	0.0000	0.00	800	0.0000	0.00	0.00		0.00%
<b>800 kW</b>	Regulatory Assets (kW)	800	0.0000	0.00	800	(0.8676)	(694.05)	(694.05)		(1.36%)
	<b>Sub-Total - Distribution</b>			<b>4,384.89</b>			<b>25,301.28</b>	<b>20,916.39</b>	<b>477.01%</b>	<b>49.44%</b>
	RTSR - Network	800	1.4565	1,165.20	800	1.4786	1,182.91	17.71	1.52%	2.31%
	RTSR - Connection	800	1.2860	1,028.80	800	1.3206	1,056.49	27.69	2.69%	2.06%
	<b>Sub-Total - Delivery</b>			<b>6,578.89</b>			<b>27,540.67</b>	<b>20,961.78</b>	<b>318.62%</b>	<b>53.81%</b>
	Wholesale Market Rate	285,630	0.0065	1,856.59	288,205	0.0065	1,873.33	16.74	0.90%	3.66%
	DRC	275,000	0.0070	1,925.00	275,000	0.0070	1,925.00	0.00	0.00%	3.76%
	Cost of Power Commodity (kWh)	285,630	0.0604	17,246.09	288,205	0.0604	17,401.58	155.50	0.90%	34.00%
	<b>Sub-Total - Other Charges</b>			<b>27,606.57</b>			<b>48,740.59</b>	<b>21,134.02</b>	<b>76.55%</b>	<b>95.24%</b>
	GST		5.00%	1,380.33		5.00%	2,437.03	1,056.70	76.55%	4.76%
	<b>TOTAL BILL</b>			<b>28,986.90</b>			<b>51,177.62</b>	<b>22,190.72</b>	<b>76.55%</b>	<b>100.00%</b>

Street Lighting										
		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Billing Determinants</b>	Monthly Service Charge	5,680	0.44	2,499.29	5,680	2.61	14,811.73	12,312.43	492.64%	26.40%
<b>5,680 Connections</b>	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00%
<b>336,000 kWh</b>	Distribution (kW)	800	2.3570	1,885.60	800	13.9795	11,183.60	9,298.00	493.11%	19.93%
	LRAM & SSM Rider (kW)	800	0.0000	0.00	800	0.0000	0.00	0.00		0.00%
<b>800 kW</b>	Regulatory Assets (kW)	800	0.0000	0.00	800	(0.8676)	(694.05)	(694.05)		(1.24%)
	<b>Sub-Total - Distribution</b>			<b>4,384.89</b>			<b>25,301.28</b>	<b>20,916.39</b>	<b>477.01%</b>	<b>45.09%</b>
	RTSR - Network	800	1.4565	1,165.20	800	1.4786	1,182.91	17.71	1.52%	2.11%
	RTSR - Connection	800	1.2860	1,028.80	800	1.3206	1,056.49	27.69	2.69%	1.88%
	<b>Sub-Total - Delivery</b>			<b>6,578.89</b>			<b>27,540.67</b>	<b>20,961.78</b>	<b>318.62%</b>	<b>49.08%</b>
	Wholesale Market Rate	348,987	0.0065	2,268.42	352,134	0.0065	2,288.87	20.45	0.90%	4.08%
	DRC	336,000	0.0070	2,352.00	336,000	0.0070	2,352.00	0.00	0.00%	4.19%
	Cost of Power Commodity (kWh)	348,987	0.0604	21,071.58	352,134	0.0604	21,261.57	189.99	0.90%	37.89%
	<b>Sub-Total - Other Charges</b>			<b>32,270.89</b>			<b>53,443.11</b>	<b>21,172.22</b>	<b>65.61%</b>	<b>95.24%</b>
	GST		5.00%	1,613.54		5.00%	2,672.16	1,058.61	65.61%	4.76%
	<b>TOTAL BILL</b>			<b>33,884.44</b>			<b>56,115.27</b>	<b>22,230.83</b>	<b>65.61%</b>	<b>100.00%</b>

Street Lighting										
		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Billing Determinants	Monthly Service Charge	5,680	0.44	2,499.29	5,680	2.61	14,811.73	12,312.43	492.64%	31.92%
5,680 Connections	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00%
216,000 kWh	Distribution (kW)	800	2.3570	1,885.60	800	13.9795	11,183.60	9,298.00	493.11%	24.10%
	LRAM & SSM Rider (kW)	800	0.0000	0.00	800	0.0000	0.00	0.00		0.00%
800 kW	Regulatory Assets (kW)	800	0.0000	0.00	800	(0.8676)	(694.05)	(694.05)		(1.50%)
	<b>Sub-Total - Distribution</b>			<b>4,384.89</b>			<b>25,301.28</b>	<b>20,916.39</b>	<b>477.01%</b>	<b>54.53%</b>
	RTSR - Network	800	1.4565	1,165.20	800	1.4786	1,182.91	17.71	1.52%	2.55%
	RTSR - Connection	800	1.2860	1,028.80	800	1.3206	1,056.49	27.69	2.69%	2.28%
	<b>Sub-Total - Delivery</b>			<b>6,578.89</b>			<b>27,540.67</b>	<b>20,961.78</b>	<b>318.62%</b>	<b>59.35%</b>
	Wholesale Market Rate	224,349	0.0065	1,458.27	226,372	0.0065	1,471.42	13.15	0.90%	3.17%
	DRC	216,000	0.0070	1,512.00	216,000	0.0070	1,512.00	0.00	0.00%	3.26%
	Cost of Power Commodity (kWh)	224,349	0.0604	13,546.02	226,372	0.0604	13,668.15	122.14	0.90%	29.46%
	<b>Sub-Total - Other Charges</b>			<b>23,095.18</b>			<b>44,192.24</b>	<b>21,097.06</b>	<b>91.35%</b>	<b>95.24%</b>
	GST		5.00%	1,154.76		5.00%	2,209.61	1,054.85	91.35%	4.76%
	<b>TOTAL BILL</b>			<b>24,249.94</b>			<b>46,401.86</b>	<b>22,151.92</b>	<b>91.35%</b>	<b>100.00%</b>

Sentinel Lighting										
		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
Billing Determinants	Monthly Service Charge	1	1.98	1.98	1	3.26	3.26	1.28	64.70%	10.03%
1 Connection	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00%
180 kWh	Distribution (kW)	1	6.9018	6.90	1	11.3781	11.38	4.48	64.86%	34.99%
	LRAM & SSM Rider (kWh)	1	0.0000	0.00	1	0.0000	0.00	0.00		0.00%
1 kW	Regulatory Assets (kW)	1	0.0000	0.00	1	(0.3801)	(0.38)	(0.38)		(1.17%)
	<b>Sub-Total - Distribution</b>			<b>8.88</b>			<b>14.26</b>	<b>5.38</b>	<b>60.54%</b>	<b>0.44</b>
	RTSR - Network	1	1.4639	1.46	1	1.4861	1.49	0.02	1.52%	4.57%
	RTSR - Connection	1	1.3130	1.31	1	1.3483	1.35	0.04	2.69%	4.15%
	<b>Sub-Total - Delivery</b>			<b>11.66</b>			<b>17.09</b>	<b>5.43</b>	<b>46.62%</b>	<b>52.57%</b>
	Wholesale Market Rate	187	0.0065	1.22	189	0.0065	1.23	0.01	0.90%	3.77%
	DRC	180	0.0070	1.26	180	0.0070	1.26	0.00	0.00%	3.87%
	Cost of Power Commodity (kWh)	187	0.0604	11.29	189	0.0604	11.39	0.10	0.90%	35.03%
	<b>Sub-Total - Other Charges</b>			<b>25.42</b>			<b>30.97</b>	<b>5.55</b>	<b>21.82%</b>	<b>95.24%</b>
	GST		5.00%	1.27		5.00%	1.55	0.28	21.82%	4.76%
	<b>TOTAL BILL</b>			<b>26.69</b>			<b>32.52</b>	<b>5.82</b>	<b>21.82%</b>	<b>100.00%</b>

Sentinel Lighting										
		2009 BILL			2010 BILL			IMPACT		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	Change \$	Change %	% of Total Bill
<b>Billing Determinants</b>	Monthly Service Charge	10	1.98	19.80	10	3.26	32.61	12.81	64.70%	43.07%
<b>10 Connection</b>	Distribution (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00%
<b>460 kWh</b>	Distribution (kW)	0	6.9018	0.76	0	11.3781	1.25	0.49	64.86%	1.65%
	LRAM & SSM Rider (kWh)	0	0.0000	0.00	0	0.0000	0.00	0.00		0.00%
<b>0 kW</b>	Regulatory Assets (kW)	0	0.0000	0.00	0	(0.3801)	(0.04)	(0.04)		(0.06%)
	<b>Sub-Total - Distribution</b>			<b>20.56</b>			<b>33.82</b>	<b>13.26</b>	<b>64.50%</b>	<b>44.66%</b>
	RTSR - Network	0	1.4639	0.16	1	1.4861	1.49	1.33	822.91%	1.96%
	RTSR - Connection	0	1.3130	0.14	1	1.3483	1.35	1.20	833.56%	1.78%
	<b>Sub-Total - Delivery</b>			<b>20.86</b>			<b>36.65</b>	<b>15.79</b>	<b>75.68%</b>	<b>48.41%</b>
	Wholesale Market Rate	478	0.0065	3.11	482	0.0065	3.13	0.03	0.90%	4.14%
	DRC	460	0.0070	3.22	460	0.0070	3.22	0.00	0.00%	4.25%
	Cost of Power Commodity (kWh)	478	0.0604	28.85	482	0.0604	29.11	0.26	0.90%	38.44%
	<b>Sub-Total - Other Charges</b>			<b>56.04</b>			<b>72.12</b>	<b>16.08</b>	<b>28.69%</b>	<b>95.24%</b>
	GST		5.00%	2.80		5.00%	3.61	0.80	28.69%	4.76%
	<b>TOTAL BILL</b>			<b>58.84</b>			<b>75.72</b>	<b>16.88</b>	<b>28.69%</b>	<b>100.00%</b>

Unmetered Scattered - Monthly Bill Impact - Customer with Most Connections										
		2009 Bill-Customer			2010 Bill-Connection			Impact		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>	Monthly Service Charge			21.75	56	6.79	380.42	358.67	1,649.08%	13.97%
<b>20,000 Avg. kWh (Mth.)</b>	Distribution (kWh)	20,000	0.0139	278.00	20,000	0.01574	314.80	36.80	13.24%	11.56%
<b>56 # of connections</b>	LRAM & SSM Rider (kWh)	20,000	0.0000	0.00	20,000	0.0024	48.00	48.00		1.76%
	Regulatory Assets (kW)	20,000	0.0000	0.00	20,000	0.0003	5.20	5.20		0.19%
	<b>Sub-Total - Distribution</b>			<b>299.75</b>			<b>748.42</b>	<b>448.67</b>	<b>149.68%</b>	<b>27.48%</b>
	RTSR - Network	20,773	0.0048	99.71	20,960	0.0049	102.14	2.43	2.44%	3.75%
	RTSR - Connection	20,773	0.0042	87.25	20,960	0.0043	90.40	3.16	3.62%	3.32%
	<b>Sub-Total - Delivery</b>			<b>486.71</b>			<b>940.97</b>	<b>454.26</b>	<b>93.33%</b>	<b>34.55%</b>
	Wholesale Market Rate	20,773	0.0065	135.02	20,960	0.0065	136.24	1.22	0.90%	5.00%
	DRC	20,000	0.0070	140.00	20,000	0.0070	140.00	0.00	0.00%	5.14%
	Cost of Power Commodity (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.00%	1.57%
	Cost of Power Commodity (kWh)	20,023	0.0660	1,321.52	20,210	0.0660	1,333.88	12.36	0.94%	48.98%
	<b>Sub-Total - Other Charges</b>			<b>2,126.00</b>			<b>2,593.84</b>	<b>467.84</b>	<b>22.01%</b>	<b>95.24%</b>
	GST		5.00%	106.30		5.00%	129.69	23.39	22.01%	4.76%
	<b>TOTAL BILL</b>			<b>2,232.30</b>			<b>2,723.53</b>	<b>491.23</b>	<b>22.01%</b>	<b>100.00%</b>

### Unmetered Scattered - Monthly Bill Impact - Customer with Least Connections

		2009 Bill-Customer			2010 Bill-Connection			Impact		
		Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
<b>Consumption</b>	Monthly Service Charge			21.75	1	6.79	6.79	(14.96)	(68.77%)	13.64%
<b>400 kWh</b>	Distribution (kWh)	400	0.0139	5.56	400	0.01574	6.30	0.74	13.24%	12.64%
<b>1 # of connections</b>	LRAM & SSM Rider (kWh)	400	0.0024	0.96	400	0.0024	0.96	0.00	0.00%	1.93%
	Regulatory Assets (kW)	400	0.0003	0.10	400	0.0003	0.10	0.00	0.00%	0.21%
	<b>Sub-Total - Distribution</b>			<b>28.37</b>			<b>14.15</b>	<b>(14.22)</b>	<b>(50.12%)</b>	<b>28.42%</b>
	RTSR - Network	415	0.0049	2.02	419	0.0049	2.04	0.02	0.90%	4.10%
	RTSR - Connection	415	0.0043	1.79	419	0.0043	1.81	0.02	0.90%	3.63%
	<b>Sub-Total - Delivery</b>			<b>32.19</b>			<b>18.00</b>	<b>(14.19)</b>	<b>(44.07%)</b>	<b>36.16%</b>
	Wholesale Market Rate	415	0.0065	2.70	419	0.0065	2.72	0.02	0.90%	5.47%
	DRC	400	0.0070	2.80	400	0.0070	2.80	0.00	0.00%	5.62%
	Cost of Power Commodity (kWh)	415	0.0570	23.68	419	0.0570	23.89	0.21	0.90%	47.99%
	<b>Sub-Total - Other Charges</b>			<b>61.37</b>			<b>47.42</b>	<b>(13.95)</b>	<b>(22.73%)</b>	<b>95.24%</b>
	GST		5.00%	3.07		5.00%	2.37	(0.70)	(22.73%)	4.76%
	<b>TOTAL BILL</b>			<b>64.44</b>			<b>49.79</b>	<b>(14.65)</b>	<b>(22.73%)</b>	<b>100.00%</b>

## APPENDIX C

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### Revenue Deficiency

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North Bay Hydro Distribution Ltd. - Revenue Deficiency Determination				
Description	Revenue Deficiency - As Filed (Oct 2009)		Revenue Deficiency - As Filed with CoC Changes	Revenue Deficiency - As per Settlement Agreement
	2010 Test Existing Rates	2010 Test - Required Revenue	2010 Test - Required Revenue	2010 Test - Required Revenue
<b>Revenue</b>				
Revenue Deficiency		1,839,071.33	1,992,454.75	1,302,477.05
Distribution Revenue	9,978,566.38	9,978,566.38	9,978,566.38	9,991,868.27
Other Operating Revenue (Net)	825,116.44	825,116.44	825,116.44	830,616.44
Smart Meter Deferral Account Adjustment	0.00	0.00	0.00	0.00
<b>Total Revenue</b>	<b>10,803,682.82</b>	<b>12,642,754.16</b>	<b>12,796,137.57</b>	<b>12,124,961.77</b>
<b>Costs and Expenses</b>				
Administrative & General, Billing & Collecting	3,911,371.13	3,911,371.13	3,911,371.13	3,718,264.13
Operation & Maintenance	1,867,682.85	1,867,682.85	1,867,682.85	1,962,143.42
Depreciation & Amortization	2,901,108.08	2,901,108.08	2,901,108.08	2,694,911.98
Property Taxes	64,292.00	64,292.00	64,292.00	64,292.00
Capital Taxes	23,414.79	23,414.79	23,414.79	21,828.98
Deemed Interest	1,821,364.91	1,821,364.91	1,481,737.95	1,261,294.56
<b>Total Costs and Expenses</b>	<b>10,589,233.75</b>	<b>10,589,233.75</b>	<b>10,249,606.79</b>	<b>9,722,735.06</b>
<b>Total Costs and Expenses Net of OCT</b>	<b>10,589,233.75</b>	<b>10,589,233.75</b>	<b>10,249,606.79</b>	<b>9,722,735.06</b>
<b>Utility Income Before Income Taxes</b>	<b>214,449.07</b>	<b>2,053,520.40</b>	<b>2,546,530.77</b>	<b>2,402,226.70</b>
<b>Income Taxes:</b>				
Corporate Income Taxes	2,528.38	572,640.49	725,473.71	664,477.64
<b>Total Income Taxes</b>	<b>2,528.38</b>	<b>572,640.49</b>	<b>725,473.71</b>	<b>664,477.64</b>
<b>Utility Net Income</b>	<b>211,920.69</b>	<b>1,480,879.91</b>	<b>1,821,057.06</b>	<b>1,737,749.06</b>
<b>Capital Tax Expense Calculation:</b>				
Total Rate Base	46,219,722.43	46,219,722.43	46,219,722.43	44,105,306.06
Exemption	15,000,000.00	15,000,000.00	15,000,000.00	15,000,000.00
Deemed Taxable Capital	31,219,722.43	31,219,722.43	31,219,722.43	29,105,306.06
Ontario Capital Tax	23,414.79	21,828.98	23,414.79	21,828.98
<b>Income Tax Expense Calculation:</b>				
Accounting Income	214,449.07	2,053,520.40	2,546,530.77	2,402,226.70
Tax Adjustments to Accounting Income	(186,938.16)	(186,938.16)	(186,938.16)	(88,589.15)
<b>Taxable Income</b>	<b>27,510.91</b>	<b>1,866,582.24</b>	<b>2,359,592.61</b>	<b>2,313,637.55</b>
<b>Income Tax Expense Before Tax Credit</b>	<b>8,528.38</b>	<b>578,640.49</b>	<b>731,473.71</b>	<b>698,477.64</b>
<b>Tax Credits</b>				
Income Tax Expense After Tax Credit	2,528.38	572,640.49	725,473.71	664,477.64
Federal Tax	18.00%	18.00%	18.00%	18.00%
Provincial Tax				
Tax rate when Taxable Income is above \$1.5 million	13.00%	13.00%	13.00%	13.00%
When Taxable Income is below \$1.5 million				
First \$500,000				5.00%
Remaining				15.125%
Combined				
Tax rate when Taxable Income is above \$1.5 million				31.00%
When Taxable Income is below \$1.5 million				
First \$500,000				23.00%
Remaining				33.125%
<b>Effective Tax Rate</b>				<b>28.72%</b>
<b>Actual Return on Rate Base:</b>				
Rate Base	46,219,722.43	46,219,722.43	46,219,722.43	44,105,306.06
Interest Expense	1,821,364.91	1,821,364.91	1,481,737.95	1,261,294.56
Net Income	211,920.69	1,480,879.91	1,821,057.06	1,737,749.06
<b>Total Actual Return on Rate Base</b>	<b>2,033,285.59</b>	<b>3,302,244.81</b>	<b>3,302,795.01</b>	<b>2,999,043.62</b>
<b>Actual Return on Rate Base</b>	<b>4.40%</b>	<b>7.14%</b>	<b>7.15%</b>	<b>6.80%</b>
<b>Required Return on Rate Base:</b>				
Rate Base	46,219,722.43	46,219,722.43	46,219,722.43	44,105,306.06
<b>Return Rates:</b>				
Return on Debt (Weighted)	6.57%	6.57%	5.34%	4.77%
Return on Equity	8.01%	8.01%	9.85%	9.85%
Deemed Interest Expense	1,821,364.91	1,821,364.91	1,481,737.95	1,261,294.56
Return On Equity	1,480,879.91	1,480,879.91	1,821,057.06	1,737,749.06
<b>Total Return</b>	<b>3,302,244.81</b>	<b>3,302,244.81</b>	<b>3,302,795.01</b>	<b>2,999,043.62</b>
<b>Expected Return on Rate Base</b>	<b>7.14%</b>	<b>7.14%</b>	<b>7.15%</b>	<b>6.80%</b>
<b>Revenue Deficiency After Tax</b>	<b>1,268,959.22</b>	<b>(0.00)</b>	<b>(0.00)</b>	<b>0.00</b>
<b>Revenue Deficiency Before Tax</b>	<b>1,839,071.33</b>	<b>(0.00)</b>	<b>(0.00)</b>	<b>0.00</b>

Cost of Capital (CoC) changes include:

Return on Equity	9.85%
Short Term Debt	2.07%
Long Term Debt	5.87%

	<u>As Filed (Oct 2009)</u>	<u>As Filed (Oct 2009) with CoC Changes</u>	<u>As per Settlement Agreement</u>
Net Fixed Assets	38,647,557	38,647,557	36,525,354
Working Capital	7,572,165	7,572,165	7,579,952
Rate Base	46,219,722	46,219,722	44,105,306
Deemed Long-Term Debt Component %	56.00%	56.00%	56.00%
Deemed Short-Term Debt Component %	4.00%	4.00%	4.00%
Deemed Equity Component %	40.00%	40.00%	40.00%
Long-Term Debt Rate	6.94%	5.58%	4.96%
Short-Term Debt Rate	1.33%	2.07%	2.07%
Return Equity	8.01%	9.85%	9.85%
Weighted Average Cost of Capital	7.14%	7.15%	6.80%
<b>Cost of Capital (Return on Rate Base)</b>	<b>3,302,245</b>	<b>3,302,795</b>	<b>2,999,044</b>
OM&A	5,779,054	5,779,054	5,680,408
Municipal & Property Taxes	64,292	64,292	64,292
Depreciation and Amortization	2,901,108	2,901,108	2,694,912
PILs	596,055	748,889	686,307
<b>Service Revenue Requirement</b>	<b>12,642,754</b>	<b>12,796,138</b>	<b>12,124,962</b>
Revenue Offset	825,116	825,116	830,616
<b>Base Revenue Requirement</b>	<b>11,817,638</b>	<b>11,971,021</b>	<b>11,294,345</b>

Cost of Capital (CoC) changes include:

Return on Equity	9.85%
Short Term Debt	2.07%
Long Term Debt	5.87%

## APPENDIX D

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### Rate Base

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Description	2010 Test Year	
	Original per Application	Revised per Settlement
Fixed Assets Opening Balance 2010	36,171,974	33,391,410
Fixed Assets Closing Balance 2010	41,123,141	39,659,298
Average Fixed Asset Balance for 2010	38,647,557	36,525,354
Working Capital Allowance	7,572,165	7,579,952
Rate Base	46,219,722	44,105,306
Regulated Rate of Return	7.14%	6.80%
Regulated Return on Capital	3,302,245	2,999,044
Deemed Interest Expense	1,821,365	1,261,295
Deemed Return on Equity	1,480,880	1,737,749

Description	2010 Test Year	
	Original per Application	Revised per Settlement
<b>WORKING CAPITAL ALLOWANCE FOR 2010</b>		
Distribution Expenses:		
Distribution Expenses - Operation	596,855.08	691,315.65
Distribution Expenses - Maintenance	1,270,827.77	1,270,827.77
Billing and Collecting	1,144,086.88	1,144,086.88
Community Relations	222,000.00	112,000.00
Administrative and General Expenses	2,545,284.25	2,462,177.25
Taxes Other than Income Taxes	64,292.00	64,292.00
Less: Capital Taxes within 6105	-	-
Total Eligible Distribution Expenses	5,843,345.98	5,744,699.55
Power Supply Expenses	44,637,753.63	44,788,314.85
Total Working Capital Expenses	50,481,099.60	50,533,014.39
<b>Working Capital Allowance rate of 15%</b>	<b>7,572,164.94</b>	<b>7,579,952.16</b>

## APPENDIX E

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### Load Forecast

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LOAD FORECAST				
From Filed to Settlement Conference Agreement to Draft Rate Order	2010 Rate Application AS FILED	2010 Rate Application SETTLEMENT	2010 DECISION	CHANGES FROM FILED TO DECISION
Predicted kWh Purchases before CDM Adjustment	570,967,380.40	570,967,380.40	570,967,380.40	0.00
CDM Adjustment	7,228,702.00	7,228,702.00	7,228,702.00	0.00
Predicted kWh Purchases after CDM Adjustment	563,738,678.40	563,738,678.40	563,738,678.40	0.00
<b>BILLING DETERMINANTS BY CLASS</b>				
<b>Residential</b>				
Customers	21,075.76	21,074.60	21,074.60	-1.16
kWh	214,191,102.74	214,923,813.26	214,923,813.26	732,710.53
<b>General Service &lt; 50 kW</b>				
Customers	2,645.61	2,645.09	2,645.09	-0.52
kWh	84,727,250.47	85,026,017.03	85,026,017.03	298,766.56
<b>General Service &gt; 50 to 999 kW</b>				
Customers	286.85	286.70	286.70	-0.14
kWh	220,909,972.87	221,440,020.41	221,440,020.41	530,047.54
kW	636,801.63	638,329.56	638,329.56	1,527.93
<b>General Service &gt; 3000 to 4999 kW</b>				
Customers	1.85	1.83	1.83	-0.03
kWh	40,318,944.44	38,784,125.42	38,784,125.42	-1,534,819.03
kW	77,038.36	74,105.74	74,105.74	-2,932.61
<b>Streetlights</b>				
Connections	5,681.64	5,680.21	5,680.21	-1.43
kWh	2,737,123.22	2,721,605.05	2,721,605.05	-15,518.16
kW	7,702.03	7,658.37	7,658.37	-43.67
<b>Sentinel Lights</b>				
Connections	511.37	508.92	508.92	-2.45
kWh	516,492.55	505,802.79	505,802.79	-10,689.76
kW	1,410.86	1,381.66	1,381.66	-29.20
<b>Unmetered Loads</b>				
Customer	21.00	21.00	21.00	0.00
kWh	337,792.11	337,294.44	337,294.44	-497.67
<b>Total</b>				
Customer/Connections	30,224.09	30,218.36	30,218.36	-5.73
kWh	563,738,678.40	563,738,678.40	563,738,678.40	0.00
kW from applicable classes	722,952.89	721,475.34	721,475.34	-1,477.55

## APPENDIX F

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### OM&A Expenses

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<b><u>Distribution Expenses</u></b>	
<b><u>5085-Miscellaneous Distribution Expense:</u></b>	
Per Original Application	232,539.03
<i>Changes per Settlement</i>	
Inflation	(18,575.00)
HST	(24,773.00)
Fleet Depreciation	137,809.00
Total Change	94,461.00
<b>Revised per Settlement - Account 5085</b>	<b>327,000.03</b>
<b><u>5415-Energy Conservation:</u></b>	
Per Original Application	195,000.00
<i>Changes per Settlement</i>	
Pilot Program - Smart Grid - Residential	(50,000.00)
Pilot Program - Smart Grid - Industrial	(60,000.00)
Total Change	(110,000.00)
<b>Revised per Settlement - Account 5415</b>	<b>85,000.00</b>
<b><u>5610-Management Salaries and Expenses:</u></b>	
Per Original Application	661,851.81
<i>Changes per Settlement</i>	
Wages - Non-Union	(5,500.00)
OMERS Reduction	(6,607.00)
Total Change	(12,107.00)
<b>Revised per Settlement - Account 5610</b>	<b>649,744.81</b>
<b><u>5630-Outside Services Employed:</u></b>	
Per Original Application	389,195.88
<i>Changes per Settlement</i>	
Legal Costs	(10,000.00)
Succession Planning	(20,000.00)
Total Change	(30,000.00)
<b>Revised per Settlement - Account 5630</b>	<b>359,195.88</b>
<b><u>5645-Employee Pensions and Benefits:</u></b>	
Per Original Application	426,726.66
<i>Changes per Settlement</i>	
Training Costs	(35,000.00)
Total Change	(35,000.00)
<b>Revised per Settlement - Account 5645</b>	<b>391,726.66</b>
<b><u>5665-Miscellaneous General Expenses:</u></b>	
Per Original Application	77,153.87
<i>Changes per Settlement</i>	
Board of Director Expenses	(6,000.00)
Total Change	(6,000.00)
<b>Revised per Settlement - Account 5665</b>	<b>71,153.87</b>
<b>Total Changes</b>	<b>(98,646.00)</b>

## APPENDIX G

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### Payment in Lieu of Taxes

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Filed April 12, 2010 – Updated April 14, 2010

Application	2010 Test
<b>Determination of Taxable Income</b>	<b>Original per Submission</b>
Utility Income Before Taxes	2,053,520
<b>Additions to Accounting Income:</b>	
Depreciation and amortization	2,901,108
Loss on disposal of assets	
Charitable donations	6,000
Ontario Tax credits	6,000
Employee Benefit Plans - accrued, not paid	
Meals & entertainment / Mileage	28,275
Non-deductible club fees and dues	
Taxable Capital Gains	
Tax reserves beginning of year	1,201,494
Reserves from financial statements -balance at year end	5,284,743
Regulatory asset write-downs and recoveries	
Excess Interest Expense	
Debt financing expenses for book purposes	
<b>Total Additions</b>	<b>9,427,620</b>
<b>Deductions from Accounting Income:</b>	
Capital Cost Allowance	3,418,906
Gain on disposal of assets per financial statements	
Cumulative eligible capital deduction	
Tax reserves end of year	1,202,546
Reserves from financial statements balance at beginning of year	4,993,106
Amortization of Capitalized Fleet Depreciation	
Deductible expenses capitalized for accounting purposes	
Excess Interest	
Miscellaneous Tax Credits	0
<b>Total Deductions</b>	<b>9,614,558</b>
<b>Deductions from Accounting Income:</b>	
Charitable donations from Schedule 2	0
<b>Regulatory Taxable Income</b>	<b>1,866,582</b>

Revised as per Settlement Agreement	2010 Test
<b>Determination of Taxable Income</b>	<b>Revised per Settlement</b>
Utility Income Before Taxes	2,402,227
<b>Additions to Accounting Income:</b>	
Depreciation and amortization	2,832,721
Loss on disposal of assets	
Charitable donations	6,000
Ontario Tax credits	30,000
Employee Benefit Plans - accrued, not paid	
Meals & entertainment / Mileage	28,275
Non-deductible club fees and dues	
Taxable Capital Gains	
Tax reserves beginning of year	1,201,494
Reserves from financial statements -balance at year end	5,284,743
Regulatory asset write-downs and recoveries	
Excess Interest Expense	
Debt financing expenses for book purposes	
<b>Total Additions</b>	<b>9,383,233</b>
<b>Deductions from Accounting Income:</b>	
Capital Cost Allowance	3,265,170
Gain on disposal of assets per financial statements	5,000
Cumulative eligible capital deduction	
Tax reserves end of year	1,202,546
Reserves from financial statements balance at beginning of year	4,993,106
Amortization of Capitalized Fleet Depreciation	
Deductible expenses capitalized for accounting purposes	
Excess Interest	
Miscellaneous Tax Credits	0
<b>Total Deductions</b>	<b>9,465,822</b>
<b>Deductions from Accounting Income:</b>	
Charitable donations from Schedule 2	-6,000
<b>Regulatory Taxable Income</b>	<b>2,313,637</b>

PILS/Tax Provision Calculations	2010 Test
Taxable Income	1,866,582
Combined	
Federal Tax	18.0%
Provincial Tax	13.0%
Combined Tax rate	31.0%
<b>Total Income Taxes</b>	<b>578,641</b>
Tax Credits	
Co-Operative Tax Credits	-
Training Tax Credits	-
Apprenticeship Tax Credits	-
Miscellaneous Tax Credits	6,000
Total Tax Credits	6,000
<b>Income Tax Provision</b>	<b>572,641</b>
<b>Ontario Capital Tax (Not Grossed Up)</b>	<b>23,415</b>
<b>PILS/Tax Provision For Year</b>	<b>596,055</b>

PILS/Tax Provision Calculations	2010 Test
Taxable Income	2,313,637
Federal Tax	18.0%
Provincial Tax	
Tax rate when Taxable Income is above \$1.5 million	13.0%
When Taxable Income is below \$1.5 million	
First \$500,000	5.0%
Remaining	15.125%
Combined	
Tax rate when Taxable Income is above \$1.5 million	31.0%
When Taxable Income is below \$1.5 million	
First \$500,000	23.0%
Remaining	33.125%
<b>Total Income Taxes</b>	<b>698,478</b>
Tax Credits	
Co-Operative Tax Credits	-
Training Tax Credits	4,000
Apprenticeship Tax Credits	30,000
Miscellaneous Tax Credits	-
Total Tax Credits	34,000
<b>Income Tax Provision</b>	<b>664,478</b>
Effective Tax Rate	28.72%
<b>Ontario Capital Tax (Not Grossed Up)</b>	<b>21,829</b>
<b>PILS/Tax Provision For Year</b>	<b>686,306</b>

Application	2010 Test
Calculation of Ontario Capital Tax	2010 Test
Total Rate Base	46,219,722
Less Exemption	15,000,000
<b>Taxable Capital /Deemed taxable capital</b>	<b>31,219,722</b>
OCT Rate	0.075%
<b>Ontario Capital Tax</b>	<b>23,415</b>

Revised as per Settlement Agreement	2010 Test
Calculation of Ontario Capital Tax	2010 Test
Total Rate Base	44,104,715
Less Exemption	15,000,000
<b>Taxable Capital /Deemed taxable capital</b>	<b>29,104,715</b>
OCT Rate	0.075%
<b>Ontario Capital Tax</b>	<b>21,829</b>



## APPENDIX H

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### Cost of Capital

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<b>2010 Test Year - Original per Application:</b>							
<u>Description</u>	<u>Debt Holder</u>	<u>Affiliated</u>	<u>Date of Issuance</u>	<u>Principal</u>	<u>Rate%</u>	<u>Year Applied to</u>	<u>Interest Cost</u>
Shareholder loan	City of North Bay	Y	17-Mar-03	19,511,601.00	7.62%	2010	1,486,784.00
Debeture # 1 - Smart Meter	Infrastructure Ontario	N	30-Sep-09	3,058,823.60	4.28%	2010	130,917.65
Debenture # 2	Infrastructure Ontario	N	30-Aug-10	2,444,134.08	4.86%	2010	118,784.92
<b>Total Long Term Debt</b>				<b>25,014,558.68</b>	<b>Total Interest Costs</b>		<b>1,736,486.56</b>
						<b>Weighted Debt Cost Rate</b>	<b>6.94%</b>
<b>2010 Test Year - Revised per Settlement:</b>							
<u>Description</u>	<u>Debt Holder</u>	<u>Affiliated</u>	<u>Date of Issuance</u>	<u>Principal</u>	<u>Rate%</u>	<u>Year Applied to</u>	<u>Interest Cost</u>
Shareholder loan	City of North Bay	Y	17-Mar-03	19,511,601.00	5.00%	2010	975,580.05
Debenture # 2	Infrastructure Ontario	N	30-Aug-10	2,444,134.08	4.63%	2010	113,163.41
<b>Total Long Term Debt</b>				<b>21,955,735.08</b>	<b>Total Interest Costs</b>		<b>1,088,743.46</b>
						<b>Weighted Debt Cost Rate</b>	<b>4.96%</b>

## APPENDIX I

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### Revenue to Cost Ratios

Updated April 14, 2010

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Updated April 14, 2010

REVENUE TO COST RATIOS				
From Filed to Settlement Conference Agreement to Decision	2010 Rate Application AS FILED	2010 Rate Application SETTLEMENT	2010 Rate Application DECISION	Changes From Filed to DECISION
Residential	98.70%	98.60%	98.60%	-0.10%
GS < 50 kW	112.80%	112.60%	112.60%	-0.20%
GS > 50 kW	119.80%	120.10%	120.10%	0.30%
General Service > 3000 to 4999 kW	58.10%	58.60%	58.60%	0.50%
Sentinel Lights	54.50%	54.20%	54.20%	-0.30%
Street Lighting	40.00%	40.10%	40.10%	0.10%
Unmetered Scattered Load	71.10%	99.60%	99.60%	28.50%

Updated April 14, 2010

REVENUE TO COST RATIOS									
From Filed to Settlement Conference Agreement to Draft Rate Order	OEB's Acceptable Range	2010 Rate Application AS FILED - Actual Ratios	2010 Rate Application AS FILED - Adjustments	2010 Rate Application AS FILED - Proposed Ratios	2010 Rate Application SETTLEMENT Actual Ratios	2010 Rate Application SETTLEMENT Adjustments	2010 Rate Application SETTLEMENT Proposed Ratios	2010 Rate Application DECISION	Changes From Filed to DECISION
Residential	85% - 115%	98.7%	0.0%	98.7%	98.6%	0.0%	98.6%	98.6%	-0.10%
GS < 50 kW	80% - 120%	112.8%	0.0%	112.8%	112.6%	0.0%	112.6%	112.6%	-0.20%
GS > 50 kW	80% - 180%	133.4%	-13.6%	119.8%	133.7%	-13.6%	120.1%	120.1%	0.30%
General Service > 3000 to 4999 kW	80% - 180%	36.2%	21.9%	58.1%	37.3%	21.4%	58.6%	58.6%	0.50%
Sentinel Lights	70% - 120%	39.1%	15.4%	54.5%	38.5%	15.8%	54.2%	54.2%	-0.30%
Street Lighting	70% - 120%	10.1%	29.9%	40.0%	10.1%	29.9%	40.1%	40.1%	0.10%
Unmetered Scattered Load	80% - 120%	62.2%	8.9%	71.1%	99.6%	0.0%	99.6%	99.6%	28.50%

## APPENDIX J

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### Rate Design

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## Distribution Rate Allocation Between Fixed & Variable Rates For 2010 Test Year - per Application

### Distribution Rate Allocation Between Fixed & Variable Rates For 2010 Test Year

Customer Class	Total Net Rev. Requirement	Rev Requirement %	Proposed Fixed Rate	Resulting Variable Rate	Total Fixed Revenue	Total Variable Revenue	Transformer Allowance	Gross Distribution Revenue	LV & Wheeling Charges	Total
Residential	6,594,066	55.80%	14.84	\$0.0133	\$ 3,752,995	\$ 2,841,070		6,594,066	8,425	6,602,491
GS < 50 kW	2,210,649	18.71%	25.70	\$0.0165	\$ 815,886	\$ 1,394,763		2,210,649	2,978	2,213,628
GS >50	2,541,922	21.51%	329.78	\$2.3014	\$ 1,135,154	\$ 1,406,768	\$ 58,777	2,600,699	8,866	2,609,565
General Service > 3000 to 4999 kW	125,100	1.06%	4,721.33	\$0.8599	\$ 105,074	\$ 20,026	\$ 46,223	171,323	1,185	172,508
Sentinel Lights	37,277	0.32%	3.37	\$11.7544	\$ 20,693	\$ 16,584		37,277	16	37,292
Street Lighting	294,687	2.49%	2.69	\$14.4244	\$ 183,589	\$ 111,097		294,687	83	294,769
USL	13,938	0.12%	25.70	\$0.0221	\$ 6,476	\$ 7,462		13,938	12	13,950
	0	0.00%			\$ -	\$ -		0	0	0
<b>TOTAL</b>	<b>11,817,638</b>	<b>100.00%</b>			<b>\$ 6,019,868</b>	<b>\$ 5,797,770</b>	<b>\$ 105,000</b>	<b>\$ 11,922,638</b>	<b>\$ 21,565</b>	<b>\$11,944,203</b>
Forecast Fixed/Variable Ratios					50.49%	48.63%	0.88%	100.00%		

Fixed Charge Analysis						
Customer Class	Current Volumetric Split	Current Fixed Charge Split	Total	Fixed Rate Based on Current Fixed/Variable Revenue Proportions	2009 Rates From OEB Approved Tariff	Minimum System with PLCC Adjustment (Ceiling Fixed Charge From Cost Allocation Model)
Residential	43.09%	56.91%	100.00%	14.84	12.53	17.35
GS < 50 kW	63.09%	36.91%	100.00%	25.70	21.70	26.15
GS >50	55.34%	44.66%	100.00%	329.78	311.40	76.10
General Service > 3000 to 4999 kW	16.01%	83.99%	100.00%	4,721.33	2,399.29	215.81
Sentinel Lights	44.49%	55.51%	100.00%	3.37	1.98	11.81
Street Lighting	37.70%	62.30%	100.00%	2.69	0.44	11.61
USL	46.14%	53.86%	100.00%	29.79	21.75	12.22

## Distribution Rate Allocation Between Fixed & Variable Rates For 2010 Test Year - per Settlement / Decision

### Distribution Rate Allocation Between Fixed & Variable Rates For 2010 Test Year

Customer Class	Total Net Rev. Requirement	Rev Requirement %	Proposed Fixed Rate	Resulting Variable Rate	Total Fixed Revenue	Total Variable Revenue	Transformer Allowance	Gross Distribution Revenue	LV & Wheeling Charges	Total
Residential	6,302,766	55.80%	14.16	\$0.0127	\$ 3,581,839	\$ 2,720,927		6,302,766	8,448	6,311,214
GS < 50 kW	2,114,489	18.72%	21.70	\$0.0168	\$ 688,782	\$ 1,425,707		2,114,489	2,987	2,117,475
GS >50	2,430,269	21.52%	311.40	\$2.2209	\$ 1,071,355	\$ 1,358,914	\$ 58,777	2,489,046	8,881	2,497,927
General Service > 3000 to 4999 kW	114,986	1.02%	4,420.45	\$0.8434	\$ 96,950	\$ 18,036	\$ 44,463	159,449	1,140	160,588
Sentinel Lights	35,621	0.32%	3.26	\$11.3671	\$ 19,915	\$ 15,706		35,621	15	35,636
Street Lighting	284,721	2.52%	2.61	\$13.9687	\$ 177,743	\$ 106,977		284,721	82	284,803
USL	11,495	0.10%	6.79	\$0.0157	\$ 6,195	\$ 5,300		11,495	12	11,507
TOTAL	11,294,345	100.00%			\$ 5,642,779	\$ 5,651,567	\$ 103,240	\$ 11,397,586	\$ 21,565	\$ 11,419,151
Forecast Fixed/Variable Ratios					49.509%	49.586%	0.906%	100.000%		

### Fixed Charge Analysis

Customer Class	Current Volumetric Split	Current Fixed Charge Split	Total	Fixed Rate Based on Current Fixed/Variable Revenue Proportions	2009 Rates From OEB Approved Tariff	Minimum System with PLCC Adjustmt (Ceiling Fixed Charge From Cost Allocation Model)
Residential	43.17%	56.83%	100.00%	14.16	12.53	16.76
GS < 50 kW	63.18%	36.82%	100.00%	24.53	21.70	25.39
GS >50	55.42%	44.58%	100.00%	314.93	311.40	73.34
General Service > 3000 to 4999 kW	15.69%	84.31%	100.00%	4,420.45	2,399.29	211.47
Sentinel Lights	44.09%	55.91%	100.00%	3.26	1.98	11.45
Street Lighting	37.57%	62.43%	100.00%	2.61	0.44	11.27
USL	46.10%	53.90%	100.00%	24.59	21.75	10.20

## APPENDIX K

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### Deferral and Variance Accounts

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Summary of Change in Regulatory Asset Rider

Rate Class	Original Proposed Rate Rider	Revised Rate Rider	Change	Billing Determinant
Residential	\$ 0.0004	\$ 0.0004	\$ -	kWh
General Service <50 kW	\$ 0.0004	\$ 0.0004	-\$ 0.0000	kWh
General Service 50 to 2999 kW	\$ 0.4513	\$ 0.4499	-\$ 0.0014	kW
Intermediate	\$ 0.6821	\$ 0.7175	\$ 0.0354	kW
Sentinel Lighting	-\$ 0.3749	-\$ 0.3801	-\$ 0.0052	kW
Street Lighting	-\$ 0.8624	-\$ 0.8676	-\$ 0.0052	kW
Unmetered Scattered Load	\$ 0.0003	\$ 0.0003	\$ -	kWh

## APPENDIX L

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LRAM/SSM

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**Summary of Change in LRAM / SSM Rider**

<b>Rate Class</b>	<b>Original Proposed Rate Rider</b>	<b>Revised Rate Rider</b>	<b>Change</b>	<b>Billing Determinant</b>
Residential	\$ 0.0004	\$ 0.0003	-\$ 0.0001	kWh
General Service <50 kW	\$ 0.0002	\$ 0.0002	\$ -	kWh
General Service 50 to 2999 kW	\$ 0.0679	\$ 0.0677	-\$ 0.0002	kW
Intermediate	\$ 0.0163	\$ 0.0170	\$ 0.0007	kW
Sentinel Lighting	\$ -	\$ -	\$ -	kW
Street Lighting	\$ -	\$ -	\$ -	kW
Unmetered Scattered Load	\$ 0.0024	\$ 0.0024	\$ -	kWh

**APPENDIX “E”**

**2012 IRM DECISION AND ORDER**



**EB-2011-0187**

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

**AND IN THE MATTER OF** an application by North Bay  
Hydro Distribution Ltd. for an order or orders approving or  
fixing just and reasonable distribution rates and other  
charges, to be effective May 1, 2012.

**BEFORE:** Karen Taylor  
Presiding Member

Paula Conboy  
Member

## **DECISION AND ORDER**

### **Introduction**

North Bay Hydro Distribution Ltd. ("North Bay"), a licensed distributor of electricity, filed an application with the Ontario Energy Board (the "Board") on October 14, 2011 under section 78 of the *Ontario Energy Board Act*, 1998, S.O. 1998, c. 15, (Schedule B), seeking approval for changes to the rates that North Bay charges for electricity distribution, to be effective May 1, 2012.

North Bay is one of 77 electricity distributors in Ontario regulated by the Board. The *Report of the Board on 3<sup>rd</sup> Generation Incentive Regulation for Ontario's Electricity Distributors* (the "IR Report"), issued on July 14, 2008, establishes a three year plan term for 3<sup>rd</sup> generation incentive regulation mechanism ("IRM") (i.e., rebasing plus three years). In its October 27, 2010 letter regarding the development of a Renewed Regulatory Framework for Electricity ("RRFE"), the Board announced that it was

extending the IRM plan until such time as the RRFE policy initiatives have been substantially completed. As part of the plan, North Bay is one of the electricity distributors that will have its rates adjusted for 2012 on the basis of the IRM process, which provides for a mechanistic and formulaic adjustment to distribution rates and charges between cost of service applications.

To streamline the process for the approval of distribution rates and charges for distributors, the Board issued its IR Report, its *Supplemental Report of the Board on 3<sup>rd</sup> Generation Incentive Regulation for Ontario's Electricity Distributors* on September 17, 2008 (the "Supplemental Report"), and its *Addendum to the Supplemental Report of the Board on 3<sup>rd</sup> Generation Incentive Regulation for Ontario's Electricity Distributors* on January 28, 2009 (collectively the "Reports"). Among other things, the Reports contain the relevant guidelines for 2012 rate adjustments for distributors applying for distribution rate adjustments pursuant to the IRM process. On June 22, 2011, the Board issued an update to Chapter 3 of the Board's *Filing Requirements for Transmission and Distribution Applications* (the "Filing Requirements"), which outlines the application filing requirements for IRM applications based on the policies in the Reports.

Notice of North Bay's rate application was given through newspaper publication in North Bay's service area advising interested parties where the rate application could be viewed and advising how they could intervene in the proceeding or comment on the application. One letter of comment was received. The Notice of Application indicated that intervenors would be eligible for cost awards with respect to North Bay's request for lost revenue adjustment mechanism ("LRAM") recovery, revenue-to-cost ratio adjustments, and the disposition of Account 1562 (Deferred Payments in Lieu of Taxes). The Vulnerable Energy Consumers Coalition ("VECC") and Mr. D. Rennick applied and were granted intervenor status in this proceeding. The Board granted VECC eligibility for cost awards in regards to North Bay's request for LRAM recovery and revenue-to-cost ratio matters that go beyond the implementation of previous Board decisions. In his intervention request letter dated, November 9, 2011, Mr. Rennick did not request cost award eligibility. Board staff also participated in the proceeding. The Board proceeded by way of a written hearing.

While the Board has considered the entire record in this proceeding, it has made reference only to such evidence as is necessary to provide context to its findings. The following issues are addressed in this Decision and Order:

- Price Cap Index Adjustment;
- Rural or Remote Electricity Rate Protection Charge;
- Smart Grid Rate Adder;
- Revenue-to-Cost Ratio Adjustments;
- Shared Tax Savings Adjustments;
- Retail Transmission Service Rates;
- Review and Disposition of Group 1 Deferral and Variance Account Balances;
- Review and Disposition of Account 1521: Special Purpose Charge;
- Review and Disposition of Lost Revenue Adjustment Mechanism; and
- Review and Disposition of Account 1562: Deferred Payments In Lieu of Taxes.

### **Price Cap Index Adjustment**

As outlined in the Reports, distribution rates under the 3<sup>rd</sup> Generation IRM are to be adjusted by a price escalator, less a productivity factor (X-factor) of 0.72% and a stretch factor.

On March 13, 2012, the Board announced a price escalator of 2.0% for those distributors under IRM that have a rate year commencing May 1, 2012.

The stretch factors are assigned to distributors based on the results of two benchmarking evaluations to divide the Ontario industry into three efficiency cohorts. In its letter to Licensed Electricity Distributors dated December 1, 2011 the Board assigned North Bay to efficiency cohort 2 and a cohort specific stretch factor of 0.4%.

On that basis, the resulting price cap index adjustment is 0.88%. The price cap index adjustment applies to distribution rates (fixed and variable charges) uniformly across customer classes that are not eligible for Rural or Remote Electricity Rate Protection.

The price cap index adjustment will not apply to the following components of delivery rates:

- Rate Riders;
- Rate Adders;
- Low Voltage Service Charges;
- Retail Transmission Service Rates;
- Wholesale Market Service Rate;

- Rural or Remote Rate Protection Charge;
- Standard Supply Service – Administrative Charge;
- Transformation and Primary Metering Allowances;
- Loss Factors;
- Specific Service Charges;
- MicroFIT Service Charges; and
- Retail Service Charges.

### **Rural or Remote Electricity Rate Protection Charge**

On December 21, 2011, the Board issued a Decision with Reasons and Rate Order (EB-2011-0405) establishing the Rural or Remote Electricity Rate Protection (“RRRP”) benefit and charge for 2012. The Board amended the RRRP charge to be collected by the Independent Electricity System Operator from the current \$0.0013 per kWh to \$0.0011 per kWh effective May 1, 2012. The draft Tariff of Rates and Charges flowing from this Decision and Order will reflect the new RRRP charge.

### **Smart Grid Rate Adder**

In its application North Bay sought to maintain its smart grid rate rider of \$0.08 per metered customer per month. North Bay stated that in its 2010 cost of service application (EB-2009-0270), the Board approved this funding adder for the IRM plan term.

The Board finds that the continuation in the 2012 rate year (May 1, 2012 to April 30, 2013) of the Smart Grid Rate Adder of \$0.08 per metered customer per month is in accordance with the Settlement Agreement approved by the Board in EB-2009-0270.

### **Revenue-to-Cost Ratio Adjustments**

Revenue-to-cost ratios measure the relationship between the revenues expected from a class of customers and the level of costs allocated to that class. The Board has established target ratio ranges (the “Target Ranges”) for Ontario electricity distributors in its report *Application of Cost Allocation for Electricity Distributors*, dated November 28, 2007 and in its updated report *Review of Electricity Distribution Cost Allocation Policy*, dated March 31, 2011.



Pursuant to the Settlement Proposal approved by the Board in North Bay's 2010 cost of service application (EB-2009-0270), North Bay proposed to increase the revenue-to-cost ratio for the Street Lighting, Sentinel Lighting and the GS 3,000 to 4,999 kW rate classes to the bottom of the Board's target ranges.

The additional revenues from these adjustments would be used to reduce the revenue-to-cost ratio for the GS < 50 kW and GS > 50 kW rate classes.

The table below outlines the proposed revenue-to-cost ratios.

**Table 1**

<b>Rate Class</b>	<b>Current 2011 Ratio</b>	<b>Proposed 2012 Ratio</b>	<b>Target Range</b>
Residential	98.59	98.59	85 – 115
General Service < 50 kW	112.57	109.10	80 – 120
General Service > 50 kW	113.33	109.86	80 – 180
General Service 3,000 to 4,999 kW	69.32	80.00	80 – 180
Street Lighting	55.03	70.00	70 – 120
Sentinel Lighting	62.12	70.00	70 – 120
Unmetered Scattered Load	99.65	99.65	80 – 120

Board Staff and VECC submitted that the proposed revenue-to-cost ratio adjustments were in accordance with the Board's decision in North Bay's 2010 cost of service proceeding.

The Board agrees that the proposed revenue-to-cost ratios are consistent with the decision arising from the 2010 cost of service proceeding and therefore approves them as filed.

### **Shared Tax Savings Adjustments**

In its Supplemental Report, the Board determined that a 50/50 sharing of the impact of

currently known legislated tax changes, as applied to the tax level reflected in the Board-approved base rates for a distributor, is appropriate.

The calculated annual tax reduction over the IRM plan term will be allocated to customer rate classes on the basis of the Board-approved base-year distribution revenue. These amounts will be refunded to customers each year of the plan term, over a 12-month period, through a volumetric rate rider using annualized consumption by customer class underlying the Board-approved base rates.

North Bay's application originally identified a total tax savings of \$31,276 resulting in a shared amount of \$15,638 to be refunded to ratepayers. North Bay proposed to record the shared amount in Account 1595 consistent with the treatment approved by the Board in the 2011 IRM Decision.

In its submission, Board staff noted that there were discrepancies between the regulatory taxable income used by North Bay in the 2012 Shared Tax Savings Workform and the regulatory taxable income included in North Bay's 2010 Revenue Requirement Work Form. Board staff noted that this change would increase the amount to be returned to ratepayers from \$15,638 to \$102,200. Board staff invited North Bay to comment on this adjustment in its reply submission.

In his submission, Mr. Rennick indicated that his calculation of the tax savings shows a shared amount of \$56,285 which was calculated using the same principles applied during the 2010 IRM application.

In its reply submission, North Bay submitted that the method used to calculate the 2011 IRM shared tax savings should be applied in the 2012 IRM proceeding. North Bay further submitted that a shared amount of \$56,285 should be recorded in account 1595.

The Board approves a shared tax savings amount of \$56,285 to be disposed of over a one year period from May 1, 2012 to April 30, 2013.

### **Retail Transmission Service Rates**

Electricity distributors are charged the Ontario Uniform Transmission Rates ("UTRs") at the wholesale level and subsequently pass these charges on to their distribution customers through the Retail Transmission Service Rates ("RTSRs"). Variance

accounts are used to capture timing differences and differences in the rate that a distributor pays for wholesale transmission service compared to the retail rate that the distributor is authorized to charge when billing its customers (i.e. variance Accounts 1584 and 1586).

On June 22, 2011 the Board issued revision 3.0 of the *Guideline G-2008-0001 - Electricity Distribution Retail Transmission Service Rates* (the “RTSR Guideline”). The RTSR Guideline outlines the information that the Board requires electricity distributors to file to adjust their RTSRs for 2012. The RTSR Guideline requires electricity distributors to adjust their RTSRs based on a comparison of historical transmission costs adjusted for the new UTR levels and the revenues generated under existing RTSRs. The objective of resetting the rates is to minimize the prospective balances in Accounts 1584 and 1586. In order to assist electricity distributors in the calculation of the distributors’ specific RTSRs, Board staff provided a filing module.

On December 20, 2011 the Board issued its Rate Order for Hydro One Transmission (EB-2011-0268) which adjusted the UTRs effective January 1, 2012, as shown in the following table:

**Table 2 - 2012 Uniform Transmission Rates**

Network Service Rate	\$3.57 per kW
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.80 per kW
Transformation Connection Service Rate	\$1.86 per kW

The Board finds that these 2012 UTRs are to be incorporated into the filing module.

### **Review and Disposition of Group 1 Deferral and Variance Account Balances**

The *Report of the Board on Electricity Distributors’ Deferral and Variance Account Review Report Initiative* (the “EDDVAR Report”) provides that, during the IRM plan term, the distributor’s Group 1 account balances will be reviewed and disposed if the preset disposition threshold of \$0.001 per kWh (debit or credit) is exceeded. The onus is on the distributor to justify why any account balance in excess of the threshold should not be disposed.

North Bay's 2010 actual year-end total balance for Group 1 Accounts including interest projected to April 30, 2012 is a debit of \$753,759. This amount results in a total debit claim of \$0.00134 per kWh, which exceeds the preset disposition threshold. North Bay proposed to dispose of this debit amount over a two year period.

North Bay stated that the default disposition used to clear Account balances through a rate rider should be one year. However, with the inclusion of the LRAM claim, Account 1562 and the large debit balance in Account 1588 Global Adjustment Sub-Account, phasing the disposition over a two year period would mitigate the rate impacts and maintain the simplicity of the tariff sheet.

North Bay stated that it did not previously have the billing capability to dispose of the global adjustment sub-account (the "GA sub-account") by means of a separate rate rider that would prospectively apply to non-RPP customers only. In North Bay's 2011 IRM Decision and Order, the Board stated its expectation that North Bay Hydro will be in a position to dispose of the global adjustment sub-account by means of a separate rate rider applied only to non-RPP customers as soon as possible, and no later than at the time of its next rebasing. In this current application, North Bay indicated that they will be able to do so effective May 1, 2012.

In its submission, Board staff noted that the principal amounts to be disposed as of December 31, 2010 reconcile with the amounts reported as part of the *Reporting and Record-keeping Requirements* ("RRR"). Board staff submitted that the amounts should be disposed on a final basis.

With respect to the disposition period, Board staff submitted that the application is not consistent with the guidelines outlined in the EDDVAR Report with respect to the default disposition period (one year) for Group 1 accounts. However, Board staff expressed the view that using a disposition period of two years would strike an appropriate balance between reducing intergenerational inequity and mitigating rate volatility.

The Board notes that the EDDVAR disposition threshold of \$0.001/kWh has been exceeded. The Board approves the disposition on a final basis a debit balance of \$753,759, representing principal as at December 31, 2010 and carrying costs to April 30, 2012, over a two year period, from May 1, 2012 to April 30, 2014. The Board is of the view that a two year disposition period appropriately balances intergeneration equity and rate smoothing objectives. The Board also notes that North Bay will have the

capability, as of May 1, 2012, to dispose of the GA sub-account by means of a separate rate rider that applies to non-RPP customer only. The Board directs the disposition of the GA sub-account by means of a separate rate rider to non-RPP customers only.

The table below identifies the principal and interest amounts approved for disposition for Group 1 Accounts.

**Table 3**

<b>Account Name</b>	<b>Account Number</b>	<b>Principal Balance A</b>	<b>Interest Balance B</b>	<b>Total Claim C = A + B</b>
LV Variance Account	1550	\$30,070	\$924	\$30,994
RSVA - Wholesale Market Service Charge	1580	-\$749,839	-\$18,492	-\$768,331
RSVA - Retail Transmission Network Charge	1584	\$590,978	\$15,488	\$606,466
RSVA - Retail Transmission Connection Charge	1586	\$320,707	\$8,748	\$329,455
RSVA - Power (excluding Global Adjustment)	1588	-\$56,643	\$245	-\$56,398
RSVA - Power – Global Adjustment Sub-Account	1588	\$561,975	\$16,620	\$578,595
Recovery of Regulatory Asset Balances	1590	\$0	\$0	\$0
Disposition and Recovery of Regulatory Balances (2008)	1595	-\$666,077	\$699,055	\$32,978
Disposition and Recovery of Regulatory Balances (2009)	1595	\$0	\$0	\$0
<b>Group 1 Total</b>		<b>\$31,171</b>	<b>\$722,588</b>	<b>\$753,759</b>

For accounting and reporting purposes, the respective balance of each Group 1 account approved for disposition shall be transferred to the applicable principal and interest carrying charge sub-accounts of Account 1595 pursuant to the requirements specified in Article 220, Account Descriptions, of the *Accounting Procedures Handbook for*

*Electricity Distributors.* The date of the journal entry to transfer the approved account balances to the sub-accounts of Account 1595 is the date on which disposition of the balances are effective in rates, which generally is the start of the rate year (e.g. May 1). This entry should be completed on a timely basis to ensure that these adjustments are included in the June 30, 2012 (3<sup>rd</sup> Quarter) RRR data reported.

### **Review and Disposition of Account 1521: Special Purpose Charge**

The Board authorized Account 1521, Special Purpose Charge Assessment ("SPC") Variance Account in accordance with Section 8 of *Ontario Regulation 66/10 (Assessments for Ministry of Energy and Infrastructure Conservation and Renewable Energy Program Costs)* (the "SPC Regulation"). Accordingly, any difference between (a) the amount remitted to the Minister of Finance for the distributor's SPC assessment and (b) the amounts recovered from customers on account of the assessment were to be recorded in "Sub-account 2010 SPC Assessment Variance" of Account 1521.

In accordance with Section 8 of the SPC Regulation, distributors are required to apply no later than April 15, 2012 for an order authorizing the disposition of any residual balance in sub-account 2010 SPC Assessment Variance. The Filing Requirements sets out the Board's expectation that requests for disposition of this account balance would be heard as part of the proceedings to set rates for the 2012 year.

North Bay requested the disposition of a residual debit balance of \$6,177.50 as at December 31, 2010, plus collections in 2011 and carrying costs until April 30, 2012 over a two year period.

Board staff submitted that despite the usual practice, the Board should authorize the disposition of Account 1521 as of December 31, 2010, plus the amounts recovered from customers in 2011, including interest, because the account balance does not require a prudence review, and electricity distributors are required by regulation to apply for disposition of this account. Board staff submitted that the \$6,177.50 debit balance in Account 1521 should be approved for disposition on a final basis.

The Board approves, on a final basis, North Bay's request for the disposition of the principal and interest balances in Account 1521 totaling \$6,177.50 over a two year period, May 1, 2012 to April 30, 2014. The Board directs North Bay to close Account 1521 as of May 1, 2012.

For accounting and reporting purposes, the balance of Account 1521 shall be transferred to the applicable principal and interest carrying charge sub-accounts of Account 1595 pursuant to the requirements specified in Article 220, Account Descriptions, of the *Accounting Procedures Handbook for Electricity Distributors*. The date of the journal entry to transfer the approved account balances to the sub-accounts of Account 1595 is the date on which disposition of the balances are effective in rates, which generally is the start of the rate year (e.g. May 1). This entry should be completed on a timely basis to ensure that these adjustments are included in the June 30, 2012 (3<sup>rd</sup> Quarter) RRR data reported.

### **Review and Disposition of Lost Revenue Adjustment Mechanism (“LRAM”)**

The Board’s *Guidelines for Electricity Distributor Conservation and Demand Management* (the “CDM Guidelines”) issued on March 28, 2008 outline the information that is required when filing an application for LRAM or SSM.

North Bay originally requested the recovery of an LRAM claim of \$187,545 over a two year period. The lost revenues include the effect of CDM programs delivered in 2008, 2009 and 2010 and the persisting energy savings between January 1, 2008 and April 30, 2012. North Bay used final 2010 OPA program results to calculate its LRAM amount.

In response to VECC interrogatory #2b, North Bay revised its LRAM claim from \$187,545 to \$97,210 since North Bay omitted to adjust the LRAM claim by the projected CDM kWh savings from its approved 2010 load forecast.

Board staff’s submission noted that North Bay’s rates were last rebased in 2010. Board staff noted that in its Decision and Order in the EB-2011-0174 proceeding, the Board disallowed LRAM claims for the rebasing year as well as persistence of prior year programs in and beyond the test year on the basis that these savings should have been incorporated into the applicant’s load forecast at the time of rebasing.

Board staff noted that in cases in which it was clear in the application or settlement agreement that an adjustment for CDM was not being incorporated into the load forecast specifically because of an expectation that an LRAM application would address the issue, and if this approach was accepted by the Board, then Board staff would agree that an LRAM application is appropriate. Board staff requested that North Bay highlight

in its reply submission whether the issue of an LRAM application was addressed in their cost of service application.

Board staff submitted that in the absence of the above information, North Bay should not be permitted to recover the requested persisting lost revenues from 2008 and 2009 CDM programs in 2010, the lost revenues from 2010 CDM programs, or the lost revenues from 2008-2010 CDM programs persisting from January 1, 2011 to April 30, 2012 as these amounts should have been built into North Bay's last approved load forecast.

Board staff supported the approval of the 2008 and 2009 lost revenues requested by North Bay as these lost revenues took place during IRM years and North Bay did not have an opportunity to recover these amounts. Board staff requested that North Bay provide an updated LRAM amount that only includes lost revenues from 2008 and 2009 CDM programs in the years 2008 and 2009 and the subsequent rate riders.

VECC submitted that the lost revenues from 2008 CDM programs are eligible for recovery in 2008 and 2009 but are not accruable in 2010 and beyond as the energy savings are assumed to be incorporated in the 2010 load forecast. VECC submitted that the LRAM claim should not include any lost revenue in 2010 from 2010 OPA CDM programs, persisting lost revenues from 2008 and 2009 CDM programs in 2010 and persisting lost revenues from 2008 to 2010 CDM programs over the period January 1, 2011 to April 30, 2012, as the rebasing year forecast is final and these savings should have been incorporated in the 2010 lost forecast. VECC further submitted that lost revenues for 2009 CDM program in 2009 are eligible for recovery as these savings occurred prior to rebasing.

In his submission, Mr. Rennick argued that LRAM claims penalize customers for their efforts to reduce consumption.

In its reply submission, North Bay stated that it should not be penalized for following provincial directive by promoting conservation and attaining higher than expected results. North Bay argued that while its 2010 load forecast included estimates for 2009 and 2010 CDM programs, it is unreasonable that Board staff would suggest that the savings in excess of that forecast should not be included in its LRAM claim. North Bay noted that it is unclear why the principles outlined in the new CDM guidelines would not be applied to North Bay's application, especially in light of North Bay's proactive stance towards conservation. North Bay submitted that the LRAM claim of \$97,210 is



accounting for the difference between the forecasted revenue loss embedded in rates and the actual revenue loss incurred by the utility and it is reasonable, just and appropriate.

The Board will approve an LRAM claim of \$40,383 reflecting lost revenues associated with CDM programs delivered in 2008 and 2009, when North Bay was under IRM and did not previously recover these amounts. The Board approves a two year disposition period, from May 1, 2012 to April 30, 2014. The Board will not approve LRAM arising from persistence from 2008 and 2009 programs in 2010, as these amounts were reflected in North Bay's 2010 load forecast. The Board will not approve lost revenues from 2008 – 2010 CDM programs persisting from January 1, 2011 to April 30, 2012, as these amounts, absent specific language in the Board EB-2009-0270 Decision or Settlement Agreement are assumed to be reflected in North Bay's 2010 load forecast. The Board will not approve an LRAM recovery associated with the January 1 to April 30, 2010 period, as this claim was not tested during the proceeding and is not consistent with the Board's practice.

### **Review and Disposition of Account 1562 Deferred Payments in Lieu of Taxes**

In 2001, the Board approved regulatory payments in lieu of tax proxy approach for rate applications coupled with a true-up mechanism filed under the RRR to account for changes in tax legislation and rules and to true-up between certain proxy amounts used to set rates and the actual amount of taxes paid. The variances resulting from the true-up were tracked in Account 1562 for the period 2001 through April 30, 2006.

On November 28, 2008, pursuant to sections 78, 19 (4) and 21 (5) of the *Ontario Energy Board Act, 1998*, the Board commenced a Combined Proceeding (EB-2008-0381) on its own motion to determine the accuracy of the final account balances with respect to Account 1562 Deferred Payments in Lieu of Taxes ("Deferred PILs") (for the period October 1, 2001 to April 30, 2006) for certain electricity distributors that filed 2008 and 2009 distribution rate applications.

The Notice in the Combined Proceeding included a statement of the Board's expectation that the decision resulting from the Combined Proceeding would be used to determine the final account balances with respect to Account 1562 Deferred PILs for the remaining distributors. In its decision and order, the Board stated that, "[e]ach remaining distributor will be expected to apply for final disposition of Account 1562 with

its next general rates application (either IRM or cost of service).”<sup>1</sup>

North Bay applied to dispose of a debit balance in Account 1562 of \$1,776,381 including carrying charges projected to April 30, 2012 over a two-year period.

#### 2001 Fourth Quarter and 2002 PILs Entitlement

In interrogatory #5a), Board staff asked why North Bay believed that its entitlement to the 2001 and 2002 PILs proxy should begin prior to May 1, 2002. North Bay’s response to this interrogatory was:

“NBHDL, as with the majority of LDCs in the province, became taxable (via PILS) on October 1, 2001. Through the natural cycle of rate setting in the industry, distribution rates including recovery of PILS were not approved until May 1, 2002 (effective date).

North Bay Hydro has replicated the schedule approved through the combined proceeding decision (EB-2008-0381). In the combined proceeding the applicants commenced the Q4 2001 entitlements in October 2001 and 2002 entitlements in January 2002.”

Board staff submitted that North Bay should not record the 2001 fourth quarter and 2002 PILs proxies or entitlements for the period prior to the effective date of May 1, 2002. Board staff submitted that North Bay should file the revised PILs reconciliation worksheet, continuity schedule and EDDVAR continuity schedule.

Board staff noted that North Bay had proposed unbundled rates to be effective on the market opening date of May 1, 2002. North Bay voluntarily remained on a bundled rate structure until May 1, 2002 and in order to mitigate customer impact, North Bay voluntarily requested that the unbundled rate impact including the 2001 and 2002 PILs proxies not take effect until May 1, 2002. Accordingly, North Bay was not eligible to start collecting PILs from its customers until May 1, 2002. Board staff submitted that the proxy recognition in the continuity schedule should be based on the number of months between May 1, 2001 and the next rate change approved by the Board which will result in a lower proxy that reflects the number of months of collection from ratepayers

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<sup>1</sup> EB-2008-0381 Account 1562 Deferred PILs Combined Proceeding, Decision and Order, p. 28

Write-down of Capital Property and Loss of Disposal of Assets

In its submission, Board staff noted that in the 2002 tax year, North Bay reported on its tax return a write-down of capital property of \$540,755. Board staff submitted that since a write-down of assets is accelerated depreciation, this should not true-up to ratepayers under the established Board methodology. Board staff also noted that North Bay chose not to file an application to reduce the fixed asset value in rate base. As such, North Bay continued to recover a higher return from these written down assets during the period 2002 to May 1, 2006. Board staff further noted its understanding that North Bay's shareholders continued to receive a benefit of the asset in rate base from 2004 to 2006 and that North Bay did not file an application to recover the loss on the asset that was sold to a third party.

Board staff submitted that the write-down of capital property of \$540,755 in 2002 and the loss of disposal of assets of \$144,597 in 2004 should not true-up to ratepayers. Board staff submitted that North Bay should move the transactions to TAXREC3 in the 2002 and 2004 SIMPIL models respectively and that North Bay should re-file the corrected 2002 and 2004 SIMPIL models, PILs continuity schedule and EDDVAR continuity schedule.

Mr. Rennick stated that there appears to be no compelling reason to treat PILs outlays any differently than other expenditures. Mr. Rennick further stated that the PILs amount included in rates is not an "approved" amount in the same manner as other revenues and expenses. Estimating PILs payable and including it in rates is solely to provide LDCs with the funds to pay and does not give North Bay authority to collect that amount regardless of the results of operations for the taxation year. Therefore any subsequent recovery from ratepayers based on the estimated PILs amounts should not be considered in any calculation regarding variances. Mr. Rennick noted that the Board quotes the Electricity Distribution Rates Handbook as indicating that "the incorporation of PILs will be treated as a pass through". The treatment used by North Bay in this application and condoned by the Board fails to do that since it does not compare the actual expense to the amounts collected. Mr. Rennick further noted that this is not a pass through of PILS as imagined by the Board in 2001 and as such should not be allowed as a charge to ratepayers.

The Board agrees with the submissions of Board staff and finds that:

North Bay requested and was granted an effective date for reflecting PILs in rates as of May 1, 2002. Accordingly, while North Bay may have had a PILs liability for this period, it specifically requested a delay in passing PILs related costs on to customers through rates in order to mitigate the rates it charged its customers. No deferral account was requested or approved. The Board disagrees with North Bay's assertion that the entitlement commences upon becoming subject to taxation and not with rate approval in this case since North Bay specifically requested and was granted a delay implementing PILs in rates. The Board finds that since North Bay requested and the Board granted an effective date of rate change of May 1, 2002, North Bay should not record the 2001 4<sup>th</sup> quarter and 2002 PILs proxies or entitlements for the period prior to the effective date of May 1, 2002.

The Board is of the view that the write-down of capital property of \$540,755 in 2002 as well as the loss on disposal of assets of \$144,597 in 2004 should not true-up to ratepayers. The Board notes that North Bay continued to receive, over the 2002 to 2006 period, depreciation and cost of capital (debt and equity) on each of these amounts as both remained in rate base until May 1, 2006, based on December 31, 2004 values which reflected the write-down.

The Board directs North Bay to move the write-down of capital property of \$540,755 in 2002, and loss on disposal of \$144,597 in 2004, to TAXREC3 in 2002 and 2004 SIMPIL models respectively. North Bay should re-file the corrected 2002 and 2004 SIMPIL models, PILs continuity schedules and EDDVAR continuity schedule.

Subject to making these above-noted adjustments, the Board approves the disposition of the balance in 1562, on a final basis, comprised of principal at May 1, 2006 and interest to April 30, 2012, over a two year period, May 1, 2012 to April 30, 2014.

With respect to the submissions of Mr. Rennick, while the Board considered the issues raised in his submissions, the Board is of the view that it would be inappropriate to reconsider a policy determination of the Board made at a date so far in the past. To do so in the manner suggested by Mr. Rennick would require the Board to engage in retroactive ratemaking, which is contrary to the legal principles upon which the Board performs its legislated mandate.

For accounting and reporting purposes, the balance of Account 1562 shall be transferred to the applicable principal and interest carrying charge sub-accounts of Account 1595 pursuant to the requirements specified in Article 220, Account Descriptions, of the *Accounting Procedures Handbook for Electricity Distributors*. The date of the journal entry to transfer the approved account balances to the sub-accounts of Account 1595 is the date on which disposition of the balances are effective in rates, which generally is the start of the rate year (e.g. May 1), and this entry should be completed on a timely basis to ensure that these adjustments are included in the June 30, 2012 (Quarter 3) RRR data reported.

## **IMPLEMENTATION**

The Board has made findings in this Decision which change the 2012 distribution rates from those proposed by North Bay.

The Board expects North Bay to file a draft Rate Order, including all relevant calculations showing the impact of this Decision on North Bay's determination of the final rates. Supporting documentation shall include, but not be limited to, filing completed versions of the 2012 IRM Rate Generator model, corrected 2002 and 2004 SIMPIL models, PILs continuity schedules to support the claim for disposition of account 1562 Deferred PILs. The LRAM calculations showing the derivation of the final rate riders to recover the approved LRAM amount should also be included in the draft Rate Order material.

A Rate Order will be issued after the steps set out below are completed.

## **THE BOARD ORDERS THAT:**

1. North Bay shall file with the Board, and shall also forward to intervenors, a draft Rate Order that includes revised models in Microsoft Excel format and a proposed Tariff of Rates and Charges reflecting the Board's findings in this Decision within 7 days from date of issuance of Decision and Order.
2. Board staff and intervenors shall file any comments on the draft Rate Order including the revised models and proposed rates with the Board and forward to North Bay within 7 days of the date of filing of the draft Rate Order.
3. North Bay shall file with the Board and forward to intervenors responses to any

comments on its draft Rate Order including the revised models and proposed rates within 4 days of the date of receipt of intervenor comments.

### **Cost Awards**

The Board will issue a separate decision on cost awards once the following steps are completed:

1. VECC shall submit their cost claims no later than **7 days** from the date of issuance of the final Rate Order.
2. North Bay shall file with the Board and forward to VECC any objections to the claimed costs within **21 days** from the date of issuance of the final Rate Order.
3. VECC shall file with the Board and forward to North Bay any responses to any objections for cost claims within **28 days** from the date of issuance of the final Rate Order.
4. North Bay shall pay the Board's costs incidental to this proceeding upon receipt of the Board's invoice.

All filings to the Board must quote file number **EB-2011-0187**, be made through the Board's web portal at, [www.errr.ontarioenergyboard.ca](http://www.errr.ontarioenergyboard.ca) and consist of two paper copies and one electronic copy in searchable / unrestricted PDF format. Filings must clearly state the sender's name, postal address and telephone number, fax number and e-mail address. Parties must use the document naming conventions and document submission standards outlined in the RESS Document Guideline found at [www.ontarioenergyboard.ca](http://www.ontarioenergyboard.ca). If the web portal is not available parties may email their document to the address below. Those who do not have internet access are required to submit all filings on a CD in PDF format, along with two paper copies. Those who do not have computer access are required to file 2 paper copies.


**DATED** at Toronto, April 4, 2012  
**ONTARIO ENERGY BOARD**

*Original signed by*

Kirsten Walli  
Board Secretary


## **APPENDIX “F”**


### **2012 RRR E2.1.5 – CUSTOMERS, DEMAND AND REVENUE**


 Performance Based Regulation Summary and Submit

 Labor

 Capital

 Supply and Delivery Information

 Customers, Demand and Revenue

 Utility Characteristics

 Incentive Rate Mechanism

Clicking Save or Apply will not automatically submit this filing. To SUBMIT this filing, scroll to the end of the page, select Yes in the Submit drop down then click the SAVE button.

## Customers, Demand and Revenues

Rate Class	Customers/Connections	Billed kW	Billed KWh	Revenues Account (4080)
Residential	21,073		200,614,425.00	6,256,428.00
General Service < 50 kW	2,645		84,948,671.00	2,105,635.00
General Service >= 50 kW	254	609,449	259,411,225.00	2,096,861.00
Large User				
Sub Transmission Customers				
Embedded Distributor(s)				
Street Lighting Connections	5,574	7,788	2,790,238.00	493,482.00
Sentinel Lighting Connections	425	2,345	487,759.00	56,128.00
Unmetered Scattered Load Connections	17		88,774.00	3,062.00
Total (Auto-Calculated)	29,988	619,562	548,341,092.00	11,011,596.00



## **APPENDIX “G”**

### **2014 IRM RATE GENERATOR MODEL**



# Incentive Regulation Model for 2014 Filers

Version 2.3

Utility Name North Bay Hydro Distribution Limited

Service Territory North Bay

Assigned EB Number EB-2013-0157

Name of Contact and Title Melissa Casson, Regulatory Manager

Phone Number 705-474-8100 xt: 300


Email Address mcasson@northbayhydro.com

We are applying for rates effective Thursday, May 01, 2014


Rate-Setting Method IRM 4

Please indicate in which Rate Year the Group 1 accounts were last cleared<sup>1</sup> 2010

## Notes

 Pale green cells represent input cells.

 Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.

 White cells contain fixed values, automatically generated values or formulae.

Note:

1. Rate year of application

*This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your IRM application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.*

*While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.*



# Incentive Regulation Model for 2014 Filers

**North Bay Hydro Distribution Limited - North Bay**

- |                                |                              |
|--------------------------------|------------------------------|
| 1. Information Sheet           | 8. Calculation of Def-Var RR |
| 2. Table of Contents           | 9. Rev2Cost_GDPIPI           |
| 3. Rate Class Selection        | 10. Other Charges & LF       |
| 4. Current Tariff Schedule     | 11. Proposed Rates           |
| 5. 2014 Continuity Schedule    | 12. Summary Sheet            |
| 6. Billing Det. for Def-Var    | 13. Final Tariff Schedule    |
| 7. Cost Allocation for Def-Var | 14. Bill Impacts             |



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Select the appropriate rate classes as they appear on your most recent Board-Approved Tariff of Rates and Charges, including the MicroFit Class.

How many classes are listed on your most recent Board-Approved Tariff of Rates and Charges?

8

Select Your Rate Classes from the **Blue Cells** below. Please ensure that a rate class is assigned to each shaded cell.

Rate Class Classification	
1	RESIDENTIAL
2	GENERAL SERVICE LESS THAN 50 KW
3	GENERAL SERVICE 50 TO 2,999 KW
4	GENERAL SERVICE 3,000 TO 4,999 KW
5	UNMETERED SCATTERED LOAD
6	SENTINEL LIGHTING
7	STREET LIGHTING
8	microFIT



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

For each class, Applicants are required to copy and paste the class descriptions (located directly under the class name) and the description of the applicability of those rates (description is found under the class name and directly under the word "APPLICATION"). By using the drop-down lists located under the column labeled "Rate Description", please select the descriptions of the rates and charges that **BEST MATCHES** the descriptions on your most recent Board-Approved Tariff of Rates and Charges. If the description is not found in the drop-down list, please enter the description in the green cells under the correct class exactly as it appears on the tariff. Please do not enter more than one "Service Charge" for each class for which a base monthly fixed charge applies.

## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES

### RESIDENTIAL Service Classification

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

#### MONTHLY RATES AND CHARGES - Delivery Component (If applicable, Effective Date MUST be included in rate description)

Service Charge	\$	14.44
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0129
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kWh	0.0009

[illegible]

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

### GENERAL SERVICE LESS THAN 50 KW Service Classification

This classification includes non residential accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES - Delivery Component** (If applicable, Effective Date MUST be included in rate description)

[illegible]

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

## GENERAL SERVICE 50 TO 2,999 KW Service Classification

This classification includes non residential accounts where 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 3,000 kW. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES - Delivery Component** (If applicable, Effective Date MUST be included in rate description)

[illegible]

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500



## GENERAL SERVICE 3,000 TO 4,999 KW Service Classification

This classification includes non residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 3,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES - Delivery Component** (If applicable, Effective Date MUST be included in rate description)

[illegible]


## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

## UNMETERED SCATTERED LOAD Service Classification

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

## MONTHLY RATES AND CHARGES - Delivery Component (If applicable, Effective Date MUST be included in rate description)

Service Charge (per connection)	\$	6.93
Distribution Volumetric Rate	\$/kWh	0.0160
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kWh	0.0014
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's Conditions of Service.

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

**MONTHLY RATES AND CHARGES - Delivery Component** (If applicable, Effective Date MUST be included in rate description)

[illegible]

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

## STREET LIGHTING Service Classification

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0012
Standard Supply Service - Administrative Charge (if applicable)	\$	0.2500

microFIT Service Classification

This classification applies to an electricity generation facility contracted under the Ontario Power Authority's micoFIT program and connected to the distribuor's distribution system. Further servicing details are available in the distributor's Condition of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule unless required by the Distributor's Licence or a Code or Order ofthe Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, beit under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to beinvoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Programs, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component (If applicable, Effective Date MUST be included in rate descripti

Service Charge	\$	5.40



Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	2008		2009									
		Closing Principal Balance as of Dec-31-08	Closing Interest Amounts as of Dec-31-08	Opening Principal Amounts as of Jan-1-09	Transactions Debit / (Credit) during 2009 excluding interest and adjustments <sup>2</sup>	Board-Approved Disposition during 2009	Adjustments during 2009 - other <sup>1</sup>	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Adjustments during 2009 - other <sup>1</sup>	Closing Interest Amounts as of Dec-31-09
<b>Group 1 Accounts</b>													
LV Variance Account	1550			0				0	0				0
RSVA - Wholesale Market Service Charge	1580			0				0	0				0
RSVA - Retail Transmission Network Charge	1584			0				0	0				0
RSVA - Retail Transmission Connection Charge	1586			0				0	0				0
RSVA - Power (excluding Global Adjustment)	1588			0				0	0				0
RSVA - Global Adjustment	1589			0				0	0				0
Recovery of Regulatory Asset Balances	1590			0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) <sup>5</sup>	1595			0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>5</sup>	1595			0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>5</sup>	1595			0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>5</sup>	1595			0				0	0				0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0	0	0
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0	0	0
RSVA - Global Adjustment	1589			0	0	0	0	0	0	0	0	0	0
Deferred Payments in Lieu of Taxes	1562			0				0	0				0
<b>Total of Group 1 and Account 1562</b>		0	0	0	0	0	0	0	0	0	0	0	0
<b>Special Purpose Charge Assessment Variance Account<sup>4</sup></b>	<b>1521</b>												
<b>LRAM Variance Account<sup>5</sup></b>	<b>1568</b>												
<b>Total including Accounts 1562 and 1568</b>		0	0	0	0	0	0	0	0	0	0	0	0

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related Board decision.

- <sup>1</sup> Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved disposed balances, please provide amounts for adjustments and include supporting documentations.
- <sup>2</sup> For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.
- <sup>3</sup> If the LDC's 2013 rate year begins January 1, 2014, the projected interest is recorded from January 1, 2013 to December 31, 2013 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision. If the LDC's 2014 rate year begins May 1, 2014 the projected interest is recorded from January 1, 2013 to April 30, 2014 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision.
- <sup>4</sup> Applicants that did not have the balance in Account 1521 cleared by the Board in the 2012 rate proceedings are expected to file to dispose of Account 1521 in the 2013 rate proceedings. No Account 1521 balance is to be filed for clearance in the 2013 rate proceedings for those distributors that had account 1521 cleared by the Board in the 2012 rate proceedings.

In accordance with section 8 of the Special Purpose Charge ("SPC") Regulation, Ontario Regulation 66/10, distributors were required to apply to the Board no later than April 15, 2012 for an order authorizing the distributor to clear the balance in Account 1521. As per the Board's April 23, 2010 letter, the Board stated that it expected that requests for disposition of the balance in Account 1521 were to be addressed as part of the proceedings to set rates for the 2012 rate year, except in cases where this approach would result in non-compliance with the timeline set out in section 8 of the SPC Regulation.

<sup>5</sup> Include Account 1595 as part of Group 1 accounts (lines 31, 32, 33 and 34) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.



Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-10	Transactions Debit / (Credit) during 2010 excluding interest and adjustments <sup>1</sup>	Board-Approved Disposition during 2010	Adjustments during 2010 - other <sup>1</sup>	Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10	Board-Approved Disposition during 2010	Adjustments during 2010 - other <sup>2</sup>	Closing Interest Amounts as of Dec-31-10
<b>Group 1 Accounts</b>											
LV Variance Account	1550	0			30,070	30,070	0			335	335
RSVA - Wholesale Market Service Charge	1580	0			(749,839)	(749,839)	0			(3,795)	(3,795)
RSVA - Retail Transmission Network Charge	1584	0			590,978	590,978	0			3,732	3,732
RSVA - Retail Transmission Connection Charge	1586	0			320,707	320,707	0			2,462	2,462
RSVA - Power (excluding Global Adjustment)	1588	0			(56,643)	(56,643)	0			1,356	1,356
RSVA - Global Adjustment	1589	0			561,975	561,975	0			5,605	5,605
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) <sup>5</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>5</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>5</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>5</sup>	1595	0				0	0				0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		0	0	0	697,248	697,248	0	0	0	9,695	9,695
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		0	0	0	135,273	135,273	0	0	0	4,090	4,090
RSVA - Global Adjustment	1589	0	0	0	561,975	561,975	0	0	0	5,605	5,605
Deferred Payments in Lieu of Taxes	1562	0				0	0				0
Total of Group 1 and Account 1562		0	0	0	697,248	697,248	0	0	0	9,695	9,695
Special Purpose Charge Assessment Variance Account <sup>4</sup>	1521										
LRAM Variance Account <sup>8</sup>	1568					0					0
Total including Accounts 1562 and 1568		0	0	0	697,248	697,248	0	0	0	9,695	9,695

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related Board decision.

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved disposed balances, please provide amounts for adjustments and include supporting documentations.  
For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.  
If the LDC's 2013 rate year begins January 1, 2014, the projected interest is recorded from January 1, 2013 to December 31, 2013 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision. If the LDC's 2014 rate year begins May 1, 2014 the projected interest is recorded from January 1, 2013 to April 30, 2014 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision.

Applicants that did not have the balance in Account 1521 cleared by the Board in the 2012 rate proceedings are expected to file to dispose of Account 1521 in the 2013 rate proceedings. No Account 1521 balance is to be filed for clearance in the 2013 rate proceedings for those distributors that had account 1521 cleared by the Board in the 2012 rate proceedings.

In accordance with section 8 of the Special Purpose Charge ("SPC") Regulation, Ontario Regulation 66/10, distributors were required to apply to the Board no later than April 15, 2012 for an order authorizing the distributor to clear the balance in Account 1521. As per the Board's April 23, 2010 letter, the Board stated that it expected that requests for disposition of the balance in Account 1521 were to be addressed as part of the proceedings to set rates for the 2012 rate year, except in cases where this approach would result in non-compliance with the timeline set out in section 8 of the SPC Regulation.

Include Account 1595 as part of Group 1 accounts (lines 31, 32, 33 and 34) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.





Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

Account Descriptions		2011									
		Opening Principal Amounts as of Jan-1-11	Transactions Debit / (Credit) during 2011 excluding interest and adjustments <sup>2</sup>	Board-Approved Disposition during 2011	Adjustments during 2011 - other <sup>1</sup>	Closing Principal Balance as of Dec-31-11	Opening Interest Amounts as of Jan-1-11	Interest Jan-1 to Dec-31-11	Board-Approved Disposition during 2011	Adjustments during 2011 - other <sup>2</sup>	Closing Interest Amounts as of Dec-31-11
<b>Group 1 Accounts</b>											
LV Variance Account	1550	30,070	6,529			36,599	335	471			806
RSVA - Wholesale Market Service Charge	1580	(749,839)	(608,432)			(1,358,271)	(3,795)	(15,520)			(19,315)
RSVA - Retail Transmission Network Charge	1584	590,978	280,301			879,279	3,732	12,001			15,733
RSVA - Retail Transmission Connection Charge	1586	320,707	145,417			466,125	2,462	5,963			8,425
RSVA - Power (excluding Global Adjustment)	1588	(56,643)	(234,831)			(291,474)	1,356	(318)			1,038
RSVA - Global Adjustment	1589	561,975	358,276			920,251	5,605	10,625			16,230
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) <sup>5</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>5</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>5</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>5</sup>	1595	0				0	0				0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		697,248	(44,739)	0	0	652,509	9,695	13,222	0	0	22,917
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		135,273	(403,015)	0	0	(267,742)	4,090	2,597	0	0	6,687
RSVA - Global Adjustment	1589	561,975	358,276	0	0	920,251	5,605	10,625	0	0	16,230
Deferred Payments in Lieu of Taxes	1562	0				0	0				0
Total of Group 1 and Account 1562		697,248	(44,739)	0	0	652,509	9,695	13,222	0	0	22,917
Special Purpose Charge Assessment Variance Account <sup>4</sup>	1521										
LRAM Variance Account <sup>8</sup>	1568					0					0
Total including Accounts 1562 and 1568		697,248	(44,739)	0	0	652,509	9,695	13,222	0	0	22,917

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related Board decision.

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved disposed balances, please provide amounts for adjustments and include supporting documentations.  
For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.  
If the LDC's 2013 rate year begins January 1, 2014, the projected interest is recorded from January 1, 2013 to December 31, 2013 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision. If the LDC's 2014 rate year begins May 1, 2014 the projected interest is recorded from January 1, 2013 to April 30, 2014 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision.

Applicants that did not have the balance in Account 1521 cleared by the Board in the 2012 rate proceedings are expected to file to dispose of Account 1521 in the 2013 rate proceedings. No Account 1521 balance is to be filed for clearance in the 2013 rate proceedings for those distributors that had account 1521 cleared by the Board in the 2012 rate proceedings.

In accordance with section 8 of the Special Purpose Charge ("SPC") Regulation, Ontario Regulation 66/10, distributors were required to apply to the Board no later than April 15, 2012 for an order authorizing the distributor to clear the balance in Account 1521. As per the Board's April 23, 2010 letter, the Board stated that it expected that requests for disposition of the balance in Account 1521 were to be addressed as part of the proceedings to set rates for the 2012 rate year, except in cases where this approach would result in non-compliance with the timeline set out in section 8 of the SPC Regulation.

Include Account 1595 as part of Group 1 accounts (lines 31, 32, 33 and 34) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.



Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

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Account Descriptions		Account Number	2012											
			Opening Principal Amounts as of Jan-1-12	Transactions Debit / (Credit) during 2012 excluding interest and adjustments 2	Board-Approved Disposition during 2012	Other 1 Adjustments during Q1 2012	Other 1 Adjustments during Q2 2012	Other 1 Adjustments during Q3 2012	Other 1 Adjustments during Q4 2012	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Adjustments during 2012 - other 1
Group 1 Accounts														
LV Variance Account	1550		36,599	15,363	30,070					21,892	806	349	924	231
RSVA - Wholesale Market Service Charge	1580		(1,358,271)	(739,114)	(749,839)					(1,347,546)	(19,315)	(18,027)	(18,492)	(18,850)
RSVA - Retail Transmission Network Charge	1584		879,279	83,763	590,978					372,064	15,733	8,436	15,468	8,681
RSVA - Retail Transmission Connection Charge	1586		466,125	70,322	320,707					215,740	8,425	4,322	8,748	3,999
RSVA - Power (excluding Global Adjustment)	1588		(291,474)	39,278	(56,643)					(195,553)	1,038	(3,428)	245	(2,636)
RSVA - Global Adjustment	1589		920,251	(138,851)	561,975					219,425	16,230	6,992	16,620	6,602
Recovery of Regulatory Asset Balances	1590		0							0	0			0
Disposition and Recovery/Refund of Regulatory Balances (2008) <sup>5</sup>	1595		0							0	0			0
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>5</sup>	1595		0							0	0			0
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>5</sup>	1595		0							0	0			0
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>5</sup>	1595		0							0	0			0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)			652,509	(669,238)	697,248	0	0	0	0	(713,977)	22,917	(1,355)	23,533	(1,972)
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)			(267,742)	(530,387)	135,273	0	0	0	0	(933,402)	6,687	(8,347)	6,913	(8,574)
RSVA - Global Adjustment	1589		920,251	(138,851)	561,975	0	0	0	0	219,425	16,230	6,992	16,620	6,602
Deferred Payments in Lieu of Taxes	1562		0							0	0			0
Total of Group 1 and Account 1562			652,509	(669,238)	697,248	0	0	0	0	(713,977)	22,917	(1,355)	23,533	(1,972)
Special Purpose Charge Assessment Variance Account <sup>4</sup>	1521													
LRAM Variance Account <sup>8</sup>	1568		0							0	0			0
Total including Accounts 1562 and 1568			652,509	(669,238)	697,248	0	0	0	0	(713,977)	22,917	(1,355)	23,533	(1,972)

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related Board decision.

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved disposed balances, please provide amounts for adjustments and include supporting documentations.  
For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.  
If the LDC's 2013 rate year begins January 1, 2014, the projected interest is recorded from January 1, 2013 to December 31, 2013 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision. If the LDC's 2014 rate year begins May 1, 2014 the projected interest is recorded from January 1, 2013 to April 30, 2014 on the December 31, 2012 balance adjusted for the disposed balances approved by the Board in the 2013 rate decision.

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In accordance with section 8 of the Special Purpose Charge ("SPC") Regulation, Ontario Regulation 66/10, distributors were required to apply to the Board no later than April 15, 2012 for an order authorizing the distributor to clear the balance in Account 1521. As per the Board's April 23, 2010 letter, the Board stated that it expected that requests for disposition of the balance in Account 1521 were to be addressed as part of the proceedings to set rates for the 2012 rate year, except in cases where this approach would result in non-compliance with the timeline set out in section 8 of the SPC Regulation.

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Please complete the following continuity schedule for the following Deferral / Variance Accounts. Enter information into green cells only.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2014 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2013 EDR process (CoS or IRM) you received approval for the December 31, 2011 balances, the starting point for your entries below should be the adjustment column BQ for principal and column BV for interest. This will allow for the correct starting point for the 2012 opening balance columns for both principal and interest.

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Account Descriptions	Account Number	2013				Projected Interest on Dec-31-12 Balances			2.1.7 RRR		Variance RRR vs. 2012 Balance  (Principal + Interest)
		Principal Disposition during 2013 - instructed by Board	Interest Disposition during 2013 - instructed by Board	Closing Principal Balances as of Dec 31-12 Adjusted for Dispositions during 2013	Closing Interest Balances as of Dec 31-12 Adjusted for Dispositions during 2013	Projected Interest from Jan 1, 2013 to December 31, 2013 on Dec 31 -12 balance adjusted for disposition during 2013 <sup>3</sup>	Projected Interest from January 1, 2013 to April 30, 2013 on Dec 31 -12 balance adjusted for disposition during 2013 <sup>3</sup>	Total Claim	As of Dec 31-12		
Group 1 Accounts											
LV Variance Account	1550	0	0	21,892	231		107	22,231	22,123	(0)	
RSVA - Wholesale Market Service Charge	1580	0	0	(1,347,546)	(18,850)		(6,603)	(1,372,998)	(1,366,395)	0	
RSVA - Retail Transmission Network Charge	1584	0	0	372,064	8,681		1,823	382,568	380,745	0	
RSVA - Retail Transmission Connection Charge	1586	0	0	215,740	3,999		1,057	220,796	219,739	0	
RSVA - Power (excluding Global Adjustment)	1588	0	0	(195,553)	(2,636)		(958)	(199,147)	(198,189)	(0)	
RSVA - Global Adjustment	1589	0	0	219,425	6,602		1,075	227,103	226,027	0	
Recovery of Regulatory Asset Balances	1590			0	0		0	0	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2008) <sup>5</sup>	1595			0	0		0	0	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>5</sup>	1595			0	0		0	0	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>5</sup>	1595			0	0		0	0	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>5</sup>	1595			0	0		0	0	0	0	
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		0	0	(713,977)	(1,972)	0	(3,498)	(719,448)	(715,949)	0	
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		0	0	(933,402)	(8,574)	0	(4,574)	(946,550)	(941,977)	(0)	
RSVA - Global Adjustment	1589	0	0	219,425	6,602		1,075	227,103	226,027	0	
Deferred Payments in Lieu of Taxes	1562			0	0	0	0	0	0	0	
Total of Group 1 and Account 1562		0	0	(713,977)	(1,972)	0	(3,498)	(719,448)	(715,949)	0	
Special Purpose Charge Assessment Variance Account <sup>4</sup>	1521										
LRAM Variance Account <sup>6</sup>	1568			0	0			0		0	
Total including Accounts 1562 and 1568		0	0	(713,977)	(1,972)	0	(3,498)	(719,448)	(715,949)	0	

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related Board decision.

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# Incentive Regulation Model for 2014 Filers

## North Bay Hydro Distribution Limited -

In the green shaded cells, enter the most recent Board Approved volumetric forecast. If there is a material difference between the latest Board-approved volumetric forecast and the most recent 12-month actual volumetric data, use the most recent 12-month actual data. Do not enter data for the MicroFit class.

Rate Class	Unit	Metered kWh	Metered kW	Billed kWh for Non-RPP Customers	Estimated kW for Non-RPP Customers	Distribution Revenue <sup>1</sup>	1590 Recovery Share Proportion*	1595 Recovery Share Proportion (2008) <sup>2</sup>	1595 Recovery Share Proportion (2009) <sup>2</sup>	1595 Recovery Share Proportion (2010) <sup>2</sup>	1595 Recovery Share Proportion (2011) <sup>2</sup>	1568 LRAM Variance Account Class Allocation (\$ amounts)
RESIDENTIAL	\$/kWh	200,614,425		15,612,518	0	6,302,766						
GENERAL SERVICE LESS THAN 50 KW	\$/kWh	84,948,671		11,040,817	0	2,114,489						
GENERAL SERVICE 50 TO 2,999 KW	\$/kW	223,688,453	540,969	223,688,453	540,969	2,430,269						
GENERAL SERVICE 3,000 TO 4,999 KW	\$/kW	35,722,772	68,480	35,722,772	68,480	114,986						
UNMETERED SCATTERED LOAD	\$/kWh	88,774			0	11,495						
SENTINEL LIGHTING	\$/kW	487,759	2,345	51,331	247	35,621						
STREET LIGHTING	\$/kW	2,790,238	7,788	2,790,238	7,788	284,721						
microFIT												
<b>Total</b>		<b>548,341,092</b>	<b>619,582</b>	<b>288,906,129</b>	<b>617,484</b>	<b>11,294,347</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0</b>
												Balance as per Sheet 5
												Variance
												0
												0

### Threshold Test

Total Claim (including Account 1521, 1562 and 1568)	(\$719,448)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$719,448)
Threshold Test (Total claim per kWh) <sup>3</sup>	(0.0013)

<sup>1</sup> For Account 1562, the allocation to customer classes should be performed on the basis of the test year distribution revenue allocation to customer classes found in the Applicant's Cost of Service application that was most recently approved at the time of disposition of the 1562 account balances

<sup>2</sup> Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

<sup>3</sup> The Threshold Test does not include the amount in 1521, 1562 nor 1568.



# Incentive Regulation Model for 2014 Filers

## North Bay Hydro Distribution Limited - North Bay

No input required. This worksheet allocates the deferral/variance account balances (Group 1, 1521, 1588 GA, 1562 and 1568) to the appropriate classes as per the EDDVAR Report dated July 31, 2009

### Allocation of Group 1 Accounts (including Accounts 1521, 1562, 1568)

Rate Class	% of Total kWh	% of Total non-RPP kWh	% of Total Distribution Revenue	1550	1580	1584	1586	1588*	1588 GA
RESIDENTIAL	36.6%	5.4%	55.8%	8,133	(502,321)	139,965	80,780	(72,859)	12,273
GENERAL SERVICE LESS THAN 50 KW	15.5%	3.8%	18.7%	3,444	(212,704)	59,267	34,206	(30,852)	8,679
GENERAL SERVICE 50 TO 2,999 KW	40.8%	77.4%	21.5%	9,069	(560,096)	156,063	90,071	(81,239)	175,836
GENERAL SERVICE 3,000 TO 4,999 KW	6.5%	12.4%	1.0%	1,448	(89,447)	24,923	14,384	(12,974)	28,081
UNMETERED SCATTERED LOAD	0.0%	0.0%	0.1%	4	(222)	62	36	(32)	0
SENTINEL LIGHTING	0.1%	0.0%	0.3%	20	(1,221)	340	196	(177)	40
STREET LIGHTING	0.5%	1.0%	2.5%	113	(6,987)	1,947	1,124	(1,013)	2,193
microFIT	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>22,231</b>	<b>(1,372,998)</b>	<b>382,568</b>	<b>220,796</b>	<b>(199,147)</b>	<b>227,103</b>

\* RSVA - Power (Excluding Global Adjustment)



# Incentive Regulation Model for 2014 Filers

## North Bay Hydro Distribution Limited -

**Input required at cell C15 only.** This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and associated rate riders for the global adjustment sub-account. Rate Riders will not be generated for the MicroFit class.

Please indicate the Rate Rider Recovery Period (in years)

1

Rate Class	Unit	Billed kWh	Billed kW	Balance of Accounts Allocated by kWh/kW (RPP) or Distribution	Deferral/Variance Account Rate Rider	Allocation of Balance in Account 1588 Global	Billed kWh or Estimated kW for Non-RPP	Global Adjustment Rate Rider
RESIDENTIAL	\$/kWh	200,614,425		(346,302)	(0.0017)	12,273	15,612,518	0.0008
GENERAL SERVICE LESS THAN 50 KW	\$/kWh	84,948,671		(146,639)	(0.0017)	8,679	11,040,817	0.0008
GENERAL SERVICE 50 TO 2,999 KW	\$/kW	223,688,453	540,969	(386,133)	(0.7138)	175,836	540,969	0.3250
GENERAL SERVICE 3,000 TO 4,999 KW	\$/kW	35,722,772	68,480	(61,665)	(0.9005)	28,081	68,480	0.4101
UNMETERED SCATTERED LOAD	\$/kWh	88,774		(153)	(0.0017)	0		0.0000
SENTINEL LIGHTING	\$/kW	487,759	2,345	(842)	(0.3591)	40	247	0.1635
STREET LIGHTING	\$/kW	2,790,238	7,788	(4,817)	(0.6185)	2,193	7,788	0.2816
microFIT								
<b>Total</b>		<b>548,341,092</b>	<b>619,582</b>	<b>(946,550)</b>		<b>227,103</b>	<b>27,270,819</b>	



# Incentive Regulation Model for 2014 Filers

## North Bay Hydro Distribution Limited -

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E.  
The Price Escalator has been set at the 2013 values and will be updated by Board staff. The Stretch Factor Value may be updated by Board staff.

Price Escalator	1.60%	Choose Stretch Factor Group	V
Productivity Factor	0.72%	Associated Stretch Factor Value	0.40%
Price Cap Index	0.48%		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL	14.44		0.0129		0.48%	14.51	0.0130
GENERAL SERVICE LESS THAN 50 KW	21.39		0.0165		0.48%	21.49	0.0166
GENERAL SERVICE 50 TO 2,999 KW	289.91		2.0677		0.48%	291.30	2.0776
GENERAL SERVICE 3,000 TO 4,999 KW	5763.41		1.0996		0.48%	5791.07	1.1049
UNMETERED SCATTERED LOAD	6.93		0.0160		0.48%	6.96	0.0161
SENTINEL LIGHTING	4.36		15.2239		0.48%	4.38	15.2970
STREET LIGHTING	4.81		25.7648		0.48%	4.83	25.8885
microFIT	5.40					5.40	





UNIT      RATE

## Transformer Allowance for Ownership - per kW of billing demand/month

\$	(0.60)
%	(1.00)

Primary Metering Allowance for transformer losses – applied to measured demand and energy

## APPLICATION

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

## Customer Administration

[illegible]



### Non-Payment of Account

[illegible]

%	1.50
%	19.56
\$	30.00
\$	65.00
\$	165.00
\$	30.00
\$	22.35

RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor’s Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

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.	1.37
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0480
Total Loss Factor – Secondary Metered Customer > 5,000 kW	N/A
Distribution Loss Factor - Primary Metered Customer < 5,000 kW	1.0375
Distribution Loss Factor - Primary Metered Customer > 5,000 kW	N/A



Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015

Applicable only for Non-RPP Customers

Retail Transmission Rate - Network Service Rate

Retail Transmission Rate - Line and Transformation Connection Service Rate

Smart Meter Disposition Rider

Smart Meter Incremental Revenue Requirement Rate Rider

Rate Rider for Tax Change (2014) - effective until April 30, 2015

\$/kWh	0.00080
\$/kWh	<b>0.00650</b>
\$/kWh	<b>0.00480</b>
\$	7.79000
\$	3.20000
\$/kWh	(0.00010)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate

Rural Rate Protection Charge

Standard Supply Service - Administrative Charge (if applicable)

\$/kWh	0.00440
\$/kWh	0.00120
\$	0.25

## GENERAL SERVICE 50 TO 2,999 KW SERVICE CLASSIFICATION

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge

Distribution Volumetric Rate

Low Voltage Service Rate

Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015

Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015

Applicable only for Non-RPP Customers

Retail Transmission Rate - Network Service Rate

Retail Transmission Rate - Line and Transformation Connection Service Rate

Rate Rider for Tax Change (2014) - effective until April 30, 2015

\$	291.30
\$/kW	2.07760
\$/kW	0.01390
\$/kW	(0.71380)
\$/kW	0.32500
\$/kW	<b>2.59440</b>
\$/kW	<b>1.88860</b>
\$/kW	(0.01690)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate

Rural Rate Protection Charge

Standard Supply Service - Administrative Charge (if applicable)

\$/kWh	0.00440
\$/kWh	0.00120
\$	0.25

### MONTHLY RATES AND CHARGES - Delivery Component

### MONTHLY RATES AND CHARGES - Regulatory Component

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

### MONTHLY RATES AND CHARGES - Delivery Component

## 11. Proposed Rates

\$ 0.25

\$/kW	(0.16040)
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\$ 0.25

\$/kW	(0.31880)
-------	-----------

\$ 0.25

\$ 5.40



## Incentive Regulation Model for 2014 Filers

### North Bay Hydro Distribution Limited - North Bay

The following table provides applicants with a class to class comparison of current vs. proposed rates.

#### Current Rates

Rate Description	Unit	Amount
<b>RESIDENTIAL</b>		
Service Charge	\$	14.44
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01290
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kWh	0.00090
Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kWh	0.00120
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) (2012) - effective until April 30, 2014	\$/kWh	0.00010
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00700
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00530
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

#### Proposed Rates

Rate Description	Unit	Amount
<b>RESIDENTIAL</b>		
Service Charge	\$	14.51
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01300
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kWh	0.00080
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00690
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00530
Smart Meter Disposition Rider	\$	1.28
Smart Meter Incremental Revenue Requirement Rate Rider	\$	1.37
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00010)
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25





## Incentive Regulation Model for 2014 Filers

### North Bay Hydro Distribution Limited - North Bay

The following table provides applicants with a class to class comparison of current vs. proposed rates.

#### Current Rates

##### GENERAL SERVICE LESS THAN 50 KW

Service Charge	\$	21.39
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01650
Low Voltage Service Rate	\$/kWh	0.00004

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kWh	0.00090
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Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kWh	0.00100
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Retail Transmission Rate - Network Service Rate	\$/kWh	0.00660
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Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
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Wholesale Market Service Rate	\$/kWh	0.00440
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Rural Rate Protection Charge	\$/kWh	0.00120
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Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
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##### GENERAL SERVICE 50 TO 2,999 KW

Service Charge	\$	289.91
Distribution Volumetric Rate	\$/kW	2.06770
Low Voltage Service Rate	\$/kW	0.01390

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kW	0.31880
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Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kW	0.18990
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Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM) (2012) - effective until April 30, 2014	\$/kW	0.00630
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Retail Transmission Rate - Network Service Rate	\$/kW	2.62080
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Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.88280
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Wholesale Market Service Rate	\$/kWh	0.00440
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Rural Rate Protection Charge	\$/kWh	0.00120
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Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
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#### Proposed Rates

##### GENERAL SERVICE LESS THAN 50 KW

Service Charge	\$	21.49
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01660
Low Voltage Service Rate	\$/kWh	0.00004

Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
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Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kWh	0.00080
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Retail Transmission Rate - Network Service Rate	\$/kWh	0.00650
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Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
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Smart Meter Disposition Rider	\$	7.79
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Smart Meter Incremental Revenue Requirement Rate Rider	\$	3.20
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Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00010)
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Wholesale Market Service Rate	\$/kWh	0.00440
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Rural Rate Protection Charge	\$/kWh	0.00120
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Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
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##### GENERAL SERVICE 50 TO 2,999 KW

Service Charge	\$	291.30
Distribution Volumetric Rate	\$/kW	2.07760
Low Voltage Service Rate	\$/kW	0.01390

Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.71380)
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Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kW	0.32500
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Retail Transmission Rate - Network Service Rate	\$/kW	2.59440
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Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.88860
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Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.01690)
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Wholesale Market Service Rate	\$/kWh	0.00440
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Rural Rate Protection Charge	\$/kWh	0.00120
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Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
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## Incentive Regulation Model for 2014 Filers

### North Bay Hydro Distribution Limited - North Bay

The following table provides applicants with a class to class comparison of current vs. proposed rates.

#### Current Rates

##### GENERAL SERVICE 3,000 TO 4,999 KW

Service Charge	\$	5,763.41
Distribution Volumetric Rate	\$/kW	1.09960
Low Voltage Service Rate	\$/kW	0.01540
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kW	0.48090
Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kW	0.13880
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.78000
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.08080
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

##### UNMETERED SCATTERED LOAD

Service Charge (per connection)	\$	6.93
Distribution Volumetric Rate	\$/kWh	0.01600
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kWh	0.00140
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00660
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

#### Proposed Rates

##### GENERAL SERVICE 3,000 TO 4,999 KW

Service Charge	\$	5,791.07
Distribution Volumetric Rate	\$/kW	1.10490
Low Voltage Service Rate	\$/kW	0.01540
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.90050)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kW	0.41010
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.75200
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.08730
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.01310)
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

##### UNMETERED SCATTERED LOAD

Service Charge (per connection)	\$	6.96
Distribution Volumetric Rate	\$/kWh	0.01610
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00650
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00020)
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



## Incentive Regulation Model for 2014 Filers

### North Bay Hydro Distribution Limited - North Bay

The following table provides applicants with a class to class comparison of current vs. proposed rates.

#### Current Rates

##### SENTINEL LIGHTING

Service Charge (per connection)	\$	4.36
Distribution Volumetric Rate	\$/kW	15.22390
Low Voltage Service Charge	\$/kW	0.01100
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kW	0.33640
Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kW	0.96720
Retail Transmission Rate - Network Service Rate	\$/kW	1.98640
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.48590
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

##### STREET LIGHTING

Service Charge (per connection)	\$	4.81
Distribution Volumetric Rate	\$/kW	25.76480
Low Voltage Service Rate	\$/kW	0.01080
Rate Rider for Disposition of Global Adjustment Sub-Account (2012) - effective until April 30, 2014 Applicable only for Non-RPP Customers	\$/kW	0.32650
Rate Rider for Disposition of Deferral/Variance Accounts (2012) - effective until April 30, 2014	\$/kW	1.36700
Retail Transmission Rate - Network Service Rate	\$/kW	1.97650
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.45540
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

##### microFIT

Service Charge	\$	5.40
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#### Proposed Rates

##### SENTINEL LIGHTING

Service Charge (per connection)	\$	4.38
Distribution Volumetric Rate	\$/kW	15.29700
Low Voltage Service Charge	\$/kW	0.01100
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.35910)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kW	0.16350
Retail Transmission Rate - Network Service Rate	\$/kW	1.96640
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.49050
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.16040)
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

##### STREET LIGHTING

Service Charge (per connection)	\$	4.83
Distribution Volumetric Rate	\$/kW	25.88850
Low Voltage Service Rate	\$/kW	0.01080
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.61850)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015 Applicable only for Non-RPP Customers	\$/kW	0.28160
Retail Transmission Rate - Network Service Rate	\$/kW	1.95660
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.45990
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.31880)
Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

##### microFIT

Service Charge	\$	5.40
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## Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

The following is a complete Tariff Schedule based on the information entered in this model. Pressing the button on the right hand side will transfer the tariff schedule to a new file.

### North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

#### RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	14.51
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01300
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	0.00080
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00690
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00530
Smart Meter Disposition Rider	\$	1.28
Smart Meter Incremental Revenue Requirement Rate Rider	\$	1.37
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00010)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



The following is a complete Tariff Schedule based on the information entered in this model. Pressing the button on the right hand side will transfer the tariff schedule to a new file.

## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

### GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification includes non residential accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	21.49
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01660
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kWh	0.00080
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00650
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
Smart Meter Disposition Rider	\$	7.79
Smart Meter Incremental Revenue Requirement Rate Rider	\$	3.20
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00010)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



The following is a complete Tariff Schedule based on the information entered in this model. Pressing the button on the right hand side will transfer the tariff schedule to a new file.

## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

### GENERAL SERVICE 50 TO 2,999 KW SERVICE CLASSIFICATION

This classification includes non residential accounts where 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 3,000 kW. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	291.30
Distribution Volumetric Rate	\$/kW	2.07760
Low Voltage Service Rate	\$/kW	0.01390
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.71380)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015	\$/kW	
Applicable only for Non-RPP Customers	\$/kW	0.32500
Retail Transmission Rate - Network Service Rate	\$/kW	2.59440
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.88860
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.01690)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



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## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

### GENERAL SERVICE 3,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification includes non residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 3,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

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It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5,791.07
Distribution Volumetric Rate	\$/kW	1.10490
Low Voltage Service Rate	\$/kW	0.01540
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.90050)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.41010
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.75200
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.08730
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.01310)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25





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## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2013-0157

### UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.96
Distribution Volumetric Rate	\$/kWh	0.01610
Low Voltage Service Rate	\$/kWh	0.00004
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kWh	(0.00170)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00650
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00480
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kWh	(0.00020)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25





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## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

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EB-2013-0157

### SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

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#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.38
Distribution Volumetric Rate	\$/kW	15.29700
Low Voltage Service Charge	\$/kW	0.01100
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.35910)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.16350
Retail Transmission Rate - Network Service Rate	\$/kW	1.96640
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.49050
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.16040)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



The following is a complete Tariff Schedule based on the information entered in this model. Pressing the button on the right hand side will transfer the tariff schedule to a new file.

## North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

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EB-2013-0157

### STREET LIGHTING SERVICE CLASSIFICATION

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

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It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.83
Distribution Volumetric Rate	\$/kW	25.88850
Low Voltage Service Rate	\$/kW	0.01080
Rate Rider for Deferral/Variance Account Disposition (2014) - effective until April 30, 2015	\$/kW	(0.61850)
Rate Rider for Global Adjustment Sub-Account Disposition (2014) - effective until April 30, 2015		
Applicable only for Non-RPP Customers	\$/kW	0.28160
Retail Transmission Rate - Network Service Rate	\$/kW	1.95660
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.45990
Rate Rider for Tax Change (2014) - effective until April 30, 2015	\$/kW	(0.31880)

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.00440
Rural Rate Protection Charge	\$/kWh	0.00120
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



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**North Bay Hydro Distribution Limited**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 01, 2014**

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2013-0157

**MICROFIT SERVICE CLASSIFICATION**

This classification applies to an electricity generation facility contracted under the Ontario Power Authority's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Condition of Service.

**APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

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It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Programs, the Global

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	5.40
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**MONTHLY RATES AND CHARGES - Regulatory Component**

MONTHLY RATES AND CHARGES - Regulatory Component



## Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

The following is a complete Tariff Schedule based on the information entered in this model. Pressing the button on the right hand side will transfer the tariff schedule to a new file.

### North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

This schedule supersedes and replaces all previously  
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EB-2013-0157

#### ALLOWANCES

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

#### SPECIFIC SERVICE CHARGES

##### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

##### Customer Administration

Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

##### Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	165.00
Service call - customer owned equipment	\$	30.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

#### RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

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



## Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

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### North Bay Hydro Distribution Limited TARIFF OF RATES AND CHARGES Effective and Implementation Date May 01, 2014

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		EB-2013-0157
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.	1.37
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

### LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0480
Total Loss Factor - Secondary Metered Customer > 5,000 kW	N/A
Distribution Loss Factor - Primary Metered Customer < 5,000 kW	1.0375
Distribution Loss Factor - Primary Metered Customer > 5,000 kW	N/A



# Incentive Regulation Model for 2014 Filers

North Bay Hydro Distribution Limited - North Bay

Rate Class **RESIDENTIAL**

Loss Factor **1.0480**

Consumption kWh **800**

**If Billed on a kW basis:**

Demand kW

Load Factor

	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 14.44	1	\$ 14.44	\$ 14.51	1	\$ 14.51	\$ 0.07	0.48%
Distribution Volumetric Rate	\$ 0.0129	800	\$ 10.32	\$ 0.0130	800	\$ 10.40	\$ 0.08	0.78%
Fixed Rate Riders	\$ -	1	\$ -	\$ 2.65	1	\$ 2.65	\$ 2.65	
Volumetric Rate Riders	0.0001	800	\$ 0.08	-0.0001	800	-\$ 0.08	-\$ 0.16	-200.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 24.84</b>			<b>\$ 27.48</b>	<b>\$ 2.64</b>	<b>10.63%</b>
Line Losses on Cost of Power	\$ 0.0839	38	\$ 3.22	\$ 0.0839	38	\$ 3.22	\$ -	0.00%
Total Deferral/Variance Account	0.0012	800	\$ 0.96	-0.0017	800	-\$ 1.36	-\$ 2.32	-241.67%
Rate Riders								
Low Voltage Service Charge	\$ 0.0000	800	\$ 0.03	\$ 0.0000	800	\$ 0.03	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 29.84</b>			<b>\$ 30.16</b>	<b>\$ 0.32</b>	<b>1.07%</b>
RTSR - Network	\$ 0.0070	838	\$ 5.87	\$ 0.0069	838	\$ 5.78	-\$ 0.08	-1.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	838	\$ 4.44	\$ 0.0053	838	\$ 4.44	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 40.16</b>			<b>\$ 40.39</b>	<b>\$ 0.24</b>	<b>0.59%</b>
Wholesale Market Service Charge (WMSA)	\$ 0.0044	838	\$ 3.69	\$ 0.0044	838	\$ 3.69	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0012	838	\$ 1.01	\$ 0.0012	838	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	\$ 0.0670	512	\$ 34.30	\$ 0.0670	512	\$ 34.30	\$ -	0.00%
TOU - Mid Peak	\$ 0.1040	144	\$ 14.98	\$ 0.1040	144	\$ 14.98	\$ -	0.00%
TOU - On Peak	\$ 0.1240	144	\$ 17.86	\$ 0.1240	144	\$ 17.86	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 117.84</b>			<b>\$ 118.07</b>	<b>\$ 0.24</b>	<b>0.20%</b>
HST	13%		\$ 15.32	13%		\$ 15.35	\$ 0.03	0.20%
<b>Total Bill (including HST)</b>			<b>\$ 133.16</b>			<b>\$ 133.42</b>	<b>\$ 0.27</b>	<b>0.20%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>-\$ 13.32</b>			<b>-\$ 13.34</b>	<b>-\$ 0.02</b>	<b>0.15%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 119.84</b>			<b>\$ 120.08</b>	<b>\$ 0.25</b>	<b>0.21%</b>

Note: For distributors who have a majority of customers on Tiered pricing, please provide a separate bill impact for such customers.

## **APPENDIX “H”**

### **2014 RTSR MODEL**



## RTSR Workform for Electricity Distributors (2014 Filers)

Utility Name	North Bay Hydro Distribution Limited
Service Territory	North Bay
Assigned EB Number	EB-2013-0157
Name and Title	Melissa Casson, Regulatory Manager
Phone Number	705-474-8100 xt: 300
Email Address	mcasson@northbayhydro.com
Date	30-Aug-13
Last COS Re-based Year	2010

**Note:** Drop-down lists are shaded blue; Input cells are shaded green.

*This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your COS/IRM application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.*

*While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.*





# RTSR Workform for Electricity Distributors (2014 Filers)

[1. Info](#)

[2. Table of Contents](#)

[3. Rate Classes](#)

[4. RRR Data](#)

[5. UTRs and Sub-Transmission](#)

[6. Historical Wholesale](#)

[7. Current Wholesale](#)

[8. Forecast Wholesale](#)

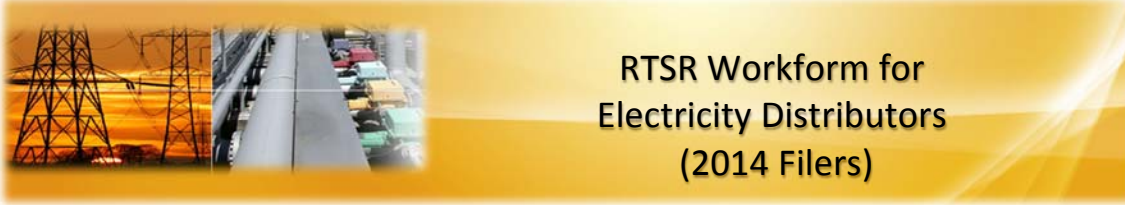
[9. Adj Network to Current WS](#)

[10. Adj Conn. to Current WS](#)

[11. Adj Network to Forecast WS](#)

[12. Adj Conn. to Forecast WS](#)

[13. Final 2013 RTS Rates](#)



# RTSR Workform for Electricity Distributors (2014 Filers)

1. Select the appropriate rate classes that appear on your most recent Board-Approved Tariff of Rates and Charges.
2. Enter the RTSR Network and Connection Rate as it appears on the Tariff of Rates and Charges

Rate Class	Unit	RTSR-Network		RTSR-Connection	
Residential	kWh	\$	0.0070	\$	0.0053
General Service Less Than 50 kW	kWh	\$	0.0066	\$	0.0048
General Service 50 to 2,999 kW	kW	\$	2.6208	\$	1.8828
General Service 3,000 to 4,999 kW	kW	\$	2.7800	\$	2.0808
Unmetered Scattered Load	kWh	\$	0.0066	\$	0.0048
Sentinel Lighting	kW	\$	1.9864	\$	1.4859
Street Lighting	kW	\$	1.9765	\$	1.4554
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					
Choose Rate Class					



## RTSR Workform for Electricity Distributors (2014 Filers)

In the green shaded cells, enter the most recent reported RRR billing determinants. Please ensure that billing determinants are non-loss adjusted.

Rate Class	Unit	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Load Factor	Loss Adjusted Billed kWh	Billed kW
Residential	kWh	200,614,425		1.0480		210,243,917	-
General Service Less Than 50 kW	kWh	84,948,671		1.0480		89,026,207	-
General Service 50 to 2,999 kW	kW	223,688,453	540,969		56.67%	223,688,453	540,969
General Service 3,000 to 4,999 kW	kW	35,722,772	68,480		71.50%	35,722,772	68,480
Unmetered Scattered Load	kWh	88,774		1.0480		93,035	-
Sentinel Lighting	kW	487,759	2,345		28.51%	487,759	2,345
Street Lighting	kW	2,790,238	7,788		49.11%	2,790,238	7,788



## RTSR Workform for Electricity Distributors (2014 Filers)

Uniform Transmission Rates	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW	\$ 3.57	\$ 3.63	\$ 3.63
Line Connection Service Rate	kW	\$ 0.80	\$ 0.75	\$ 0.75
Transformation Connection Service Rate	kW	\$ 1.86	\$ 1.85	\$ 1.85

Hydro One Sub-Transmission Rates	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW	\$ 2.65	\$ 3.18	\$ 3.18
Line Connection Service Rate	kW	\$ 0.64	\$ 0.70	\$ 0.70
Transformation Connection Service Rate	kW	\$ 1.50	\$ 1.63	\$ 1.63
Both Line and Transformation Connection Service Rate	kW	\$ 2.14	\$ 2.33	\$ 2.33

If needed , add extra host here (I)	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -

If needed , add extra host here (II)	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -

Hydro One Sub-Transmission Rate Rider 9A	Unit	Effective January 1, 2012	Effective January 1, 2013	Effective January 1, 2014
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
RSVA Transmission network - 4714 - which affects 1584	kW	\$ -	\$ 0.1465	\$ 0.1465
RSVA Transmission connection - 4716 - which affects 1586	kW	\$ -	\$ 0.0667	\$ 0.0667
RSVA LV - 4750 - which affects 1550	kW	\$ -	\$ 0.0475	\$ 0.0475
RARA 1 - 2252 - which affects 1590	kW	\$ -	\$ 0.0419	\$ 0.0419
RARA 1 - 2252 - which affects 1590 (2008)	kW	\$ -	-\$ 0.0270	-\$ 0.0270
RARA 1 - 2252 - which affects 1590 (2009)	kW	\$ -	-\$ 0.0006	-\$ 0.0006
Hydro One Sub-Transmission Rate Rider 9A	kW	\$ -	\$ 0.2750	\$ 0.2750
Transformer Allowance Credit (if applicable, enter as a negative value)	\$	Historical 2012	Current 2013	Forecast 2014



## RTSR Workform for Electricity Distributors (2014 Filers)

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data". For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

IESO				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	98,686	\$3.57	\$ 352,309	100,762	\$0.80	\$ 80,610	100,762	\$1.86	\$ 187,417				\$ 268,027
February	87,281	\$3.57	\$ 311,593	89,614	\$0.80	\$ 71,691	89,614	\$1.86	\$ 166,682				\$ 238,373
March	92,905	\$3.57	\$ 331,671	92,905	\$0.80	\$ 74,324	92,905	\$1.86	\$ 172,803				\$ 247,127
April	71,178	\$3.57	\$ 254,105	74,305	\$0.80	\$ 59,444	74,305	\$1.86	\$ 138,207				\$ 197,651
May	74,615	\$3.57	\$ 266,376	76,022	\$0.80	\$ 60,818	76,022	\$1.86	\$ 141,401				\$ 202,219
June	85,236	\$3.57	\$ 304,293	85,246	\$0.80	\$ 68,197	85,246	\$1.86	\$ 158,558				\$ 226,754
July	73,145	\$3.57	\$ 261,128	82,802	\$0.80	\$ 66,242	82,802	\$1.86	\$ 154,012				\$ 220,253
August	65,057	\$3.57	\$ 232,253	76,538	\$0.80	\$ 61,230	76,538	\$1.86	\$ 142,361				\$ 203,591
September	72,252	\$3.57	\$ 257,940	77,277	\$0.80	\$ 61,822	77,277	\$1.86	\$ 143,735				\$ 205,557
October	73,062	\$3.57	\$ 260,831	73,709	\$0.80	\$ 58,967	73,709	\$1.86	\$ 137,099				\$ 196,066
November	82,847	\$3.57	\$ 295,764	88,465	\$0.80	\$ 70,772	88,465	\$1.86	\$ 164,545				\$ 235,317
December	90,084	\$3.57	\$ 321,600	90,335	\$0.80	\$ 72,268	90,335	\$1.86	\$ 168,023				\$ 240,291
<b>Total</b>	966,348	\$ 3.57	\$ 3,449,862	1,007,980	\$ 0.80	\$ 806,384	1,007,980	\$ 1.86	\$ 1,874,843				\$ 2,681,227

Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,687	\$2.65	\$ 15,071	5,687	\$0.64	\$ 3,640	5,687	\$1.50	\$ 8,531				\$ 12,170
February	3,842	\$2.65	\$ 10,181	4,225	\$0.64	\$ 2,704	4,225	\$1.50	\$ 6,338				\$ 9,042
March	4,157	\$2.65	\$ 11,016	4,185	\$0.64	\$ 2,678	4,185	\$1.50	\$ 6,278				\$ 8,956
April	3,337	\$2.65	\$ 8,843	3,337	\$0.64	\$ 2,136	3,337	\$1.50	\$ 5,006				\$ 7,141
May	2,766	\$2.65	\$ 7,330	2,965	\$0.64	\$ 1,898	2,965	\$1.50	\$ 4,448				\$ 6,345
June	2,884	\$2.65	\$ 7,643	2,905	\$0.64	\$ 1,859	2,905	\$1.50	\$ 4,358				\$ 6,217
July	3,906	\$2.65	\$ 10,351	3,906	\$0.64	\$ 2,500	3,906	\$1.50	\$ 5,859				\$ 8,359
August	2,888	\$2.65	\$ 7,653	2,888	\$0.64	\$ 1,848	2,888	\$1.50	\$ 4,332				\$ 6,180
September	2,742	\$2.65	\$ 7,266	2,879	\$0.64	\$ 1,843	2,879	\$1.50	\$ 4,319				\$ 6,161
October	2,992	\$2.65	\$ 7,929	2,993	\$0.64	\$ 1,916	2,993	\$1.50	\$ 4,490				\$ 6,405
November	3,445	\$2.65	\$ 9,129	3,698	\$0.64	\$ 2,367	3,698	\$1.50	\$ 5,547				\$ 7,914
December	4,392	\$2.65	\$ 11,639	4,392	\$0.64	\$ 2,811	4,392	\$1.50	\$ 6,588				\$ 9,399
<b>Total</b>	43,038	\$ 2.65	\$ 114,051	44,060	\$ 0.64	\$ 28,198	44,060	\$ 1.50	\$ 66,090				\$ 94,288

Add Extra Host Here (I) (if needed)				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00					\$ -
February		\$0.00			\$0.00			\$0.00					\$ -
March		\$0.00			\$0.00			\$0.00					\$ -
April		\$0.00			\$0.00			\$0.00					\$ -
May		\$0.00			\$0.00			\$0.00					\$ -
June		\$0.00			\$0.00			\$0.00					\$ -
July		\$0.00			\$0.00			\$0.00					\$ -
August		\$0.00			\$0.00			\$0.00					\$ -
September		\$0.00			\$0.00			\$0.00					\$ -
October		\$0.00			\$0.00			\$0.00					\$ -
November		\$0.00			\$0.00			\$0.00					\$ -
December		\$0.00			\$0.00			\$0.00					\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



## RTSR Workform for Electricity Distributors (2014 Filers)

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data". For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

Add Extra Host Here (II) (if needed)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	104,373	\$3.52	\$ 367,380	106,449	\$0.79	\$ 84,249	106,449	\$1.84	\$ 195,948	\$ 280,197
February	91,123	\$3.53	\$ 321,774	93,839	\$0.79	\$ 74,395	93,839	\$1.84	\$ 173,020	\$ 247,415
March	97,062	\$3.53	\$ 342,687	97,090	\$0.79	\$ 77,002	97,090	\$1.84	\$ 179,081	\$ 256,083
April	74,515	\$3.53	\$ 262,949	77,642	\$0.79	\$ 61,580	77,642	\$1.84	\$ 143,213	\$ 204,792
May	77,381	\$3.54	\$ 273,705	78,987	\$0.79	\$ 62,715	78,987	\$1.85	\$ 145,848	\$ 208,564
June	88,120	\$3.54	\$ 311,935	88,151	\$0.79	\$ 70,056	88,151	\$1.85	\$ 162,915	\$ 232,971
July	77,051	\$3.52	\$ 271,479	86,708	\$0.79	\$ 68,741	86,708	\$1.84	\$ 159,871	\$ 228,612
August	67,945	\$3.53	\$ 239,907	79,426	\$0.79	\$ 63,079	79,426	\$1.85	\$ 146,693	\$ 209,771
September	74,994	\$3.54	\$ 265,206	80,156	\$0.79	\$ 63,664	80,156	\$1.85	\$ 148,054	\$ 211,718
October	76,054	\$3.53	\$ 268,760	76,702	\$0.79	\$ 60,883	76,702	\$1.85	\$ 141,588	\$ 202,471
November	86,292	\$3.53	\$ 304,893	92,163	\$0.79	\$ 73,139	92,163	\$1.85	\$ 170,092	\$ 243,231
December	94,476	\$3.53	\$ 333,239	94,727	\$0.79	\$ 75,079	94,727	\$1.84	\$ 174,611	\$ 249,690
<b>Total</b>	1,009,386	\$ 3.53	\$ 3,563,913	1,052,040	\$ 0.79	\$ 834,582	1,052,040	\$ 1.84	\$ 1,940,933	\$ 2,775,515
<b>Transformer Allowance Credit (if applicable)</b>										\$ -
<b>Total including deduction for Transformer Allowance Credit</b>										\$ 2,775,515



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when current 2013 Uniform Transmission Rates are applied against historical 2012 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	98,686	\$ 3.6300	\$ 358,230	100,762	\$ 0.7500	\$ 75,572	100,762	\$ 1.8500	\$ 186,410	\$ 261,981
February	87,281	\$ 3.6300	\$ 316,830	89,614	\$ 0.7500	\$ 67,211	89,614	\$ 1.8500	\$ 165,786	\$ 232,996
March	92,905	\$ 3.6300	\$ 337,245	92,905	\$ 0.7500	\$ 69,679	92,905	\$ 1.8500	\$ 171,874	\$ 241,553
April	71,178	\$ 3.6300	\$ 258,376	74,305	\$ 0.7500	\$ 55,729	74,305	\$ 1.8500	\$ 137,464	\$ 193,193
May	74,615	\$ 3.6300	\$ 270,852	76,022	\$ 0.7500	\$ 57,017	76,022	\$ 1.8500	\$ 140,641	\$ 197,657
June	85,236	\$ 3.6300	\$ 309,407	85,246	\$ 0.7500	\$ 63,935	85,246	\$ 1.8500	\$ 157,705	\$ 221,640
July	73,145	\$ 3.6300	\$ 265,516	82,802	\$ 0.7500	\$ 62,102	82,802	\$ 1.8500	\$ 153,184	\$ 215,285
August	65,057	\$ 3.6300	\$ 236,157	76,538	\$ 0.7500	\$ 57,404	76,538	\$ 1.8500	\$ 141,595	\$ 198,999
September	72,252	\$ 3.6300	\$ 262,275	77,277	\$ 0.7500	\$ 57,958	77,277	\$ 1.8500	\$ 142,962	\$ 200,920
October	73,062	\$ 3.6300	\$ 265,215	73,709	\$ 0.7500	\$ 55,282	73,709	\$ 1.8500	\$ 136,362	\$ 191,643
November	82,847	\$ 3.6300	\$ 300,735	88,465	\$ 0.7500	\$ 66,349	88,465	\$ 1.8500	\$ 163,660	\$ 230,009
December	90,084	\$ 3.6300	\$ 327,005	90,335	\$ 0.7500	\$ 67,751	90,335	\$ 1.8500	\$ 167,120	\$ 234,871
<b>Total</b>	966,348	\$ 3.63	\$ 3,507,843	1,007,980	\$ 0.75	\$ 755,985	1,007,980	\$ 1.85	\$ 1,864,763	\$ 2,620,748

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,687	\$ 3.3265	\$ 18,918	5,687	\$ 0.7667	\$ 4,360	5,687	\$ 1.6300	\$ 9,270	\$ 13,630
February	3,842	\$ 3.3265	\$ 12,780	4,225	\$ 0.7667	\$ 3,239	4,225	\$ 1.6300	\$ 6,887	\$ 10,126
March	4,157	\$ 3.3265	\$ 13,828	4,185	\$ 0.7667	\$ 3,209	4,185	\$ 1.6300	\$ 6,822	\$ 10,030
April	3,337	\$ 3.3265	\$ 11,101	3,337	\$ 0.7667	\$ 2,558	3,337	\$ 1.6300	\$ 5,439	\$ 7,998
May	2,766	\$ 3.3265	\$ 9,201	2,965	\$ 0.7667	\$ 2,273	2,965	\$ 1.6300	\$ 4,833	\$ 7,106
June	2,884	\$ 3.3265	\$ 9,594	2,905	\$ 0.7667	\$ 2,227	2,905	\$ 1.6300	\$ 4,735	\$ 6,962
July	3,906	\$ 3.3265	\$ 12,993	3,906	\$ 0.7667	\$ 2,995	3,906	\$ 1.6300	\$ 6,367	\$ 9,362
August	2,888	\$ 3.3265	\$ 9,607	2,888	\$ 0.7667	\$ 2,214	2,888	\$ 1.6300	\$ 4,707	\$ 6,922
September	2,742	\$ 3.3265	\$ 9,121	2,879	\$ 0.7667	\$ 2,207	2,879	\$ 1.6300	\$ 4,693	\$ 6,900
October	2,992	\$ 3.3265	\$ 9,953	2,993	\$ 0.7667	\$ 2,295	2,993	\$ 1.6300	\$ 4,879	\$ 7,173
November	3,445	\$ 3.3265	\$ 11,460	3,698	\$ 0.7667	\$ 2,835	3,698	\$ 1.6300	\$ 6,028	\$ 8,863
December	4,392	\$ 3.3265	\$ 14,610	4,392	\$ 0.7667	\$ 3,367	4,392	\$ 1.6300	\$ 7,159	\$ 10,526
<b>Total</b>	43,038	\$ 3.33	\$ 143,166	44,060	\$ 0.77	\$ 33,781	44,060	\$ 1.63	\$ 71,818	\$ 105,599

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when current 2013 Uniform Transmission Rates are applied against historical 2012 transmission units.

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	104,373	\$3.61	\$ 377,148	106,449	\$0.75	\$ 79,932	106,449	\$1.84	\$ 195,680	\$ 275,611
February	91,123	\$3.62	\$ 329,610	93,839	\$0.75	\$ 70,450	93,839	\$1.84	\$ 172,673	\$ 243,122
March	97,062	\$3.62	\$ 351,073	97,090	\$0.75	\$ 72,887	97,090	\$1.84	\$ 178,696	\$ 251,583
April	74,515	\$3.62	\$ 269,477	77,642	\$0.75	\$ 58,287	77,642	\$1.84	\$ 142,904	\$ 201,191
May	77,381	\$3.62	\$ 280,054	78,987	\$0.75	\$ 59,290	78,987	\$1.84	\$ 145,474	\$ 204,763
June	88,120	\$3.62	\$ 319,000	88,151	\$0.75	\$ 66,162	88,151	\$1.84	\$ 162,440	\$ 228,602
July	77,051	\$3.61	\$ 278,510	86,708	\$0.75	\$ 65,096	86,708	\$1.84	\$ 159,550	\$ 224,647
August	67,945	\$3.62	\$ 245,764	79,426	\$0.75	\$ 59,618	79,426	\$1.84	\$ 146,303	\$ 205,920
September	74,994	\$3.62	\$ 271,396	80,156	\$0.75	\$ 60,165	80,156	\$1.84	\$ 147,655	\$ 207,820
October	76,054	\$3.62	\$ 275,168	76,702	\$0.75	\$ 57,576	76,702	\$1.84	\$ 141,240	\$ 198,817
November	86,292	\$3.62	\$ 312,194	92,163	\$0.75	\$ 69,184	92,163	\$1.84	\$ 169,688	\$ 238,872
December	94,476	\$3.62	\$ 341,615	94,727	\$0.75	\$ 71,119	94,727	\$1.84	\$ 174,279	\$ 245,397
<b>Total</b>	1,009,386	\$ 3.62	\$ 3,651,009	1,052,040	\$ 0.75	\$ 789,766	1,052,040	\$ 1.84	\$ 1,936,581	\$ 2,726,347
Transformer Allowance Credit (if applicable)										\$ -
Total including deduction for Transformer Allowance Credit										\$ 2,726,347





## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when forecasted 2014 Uniform Transmission Rates are applied against historical 2012 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	98,686	\$ 3.6300	\$ 358,230	100,762	\$ 0.7500	\$ 75,572	100,762	\$ 1.8500	\$ 186,410	\$ 261,981
February	87,281	\$ 3.6300	\$ 316,830	89,614	\$ 0.7500	\$ 67,211	89,614	\$ 1.8500	\$ 165,786	\$ 232,996
March	92,905	\$ 3.6300	\$ 337,245	92,905	\$ 0.7500	\$ 69,679	92,905	\$ 1.8500	\$ 171,874	\$ 241,553
April	71,178	\$ 3.6300	\$ 258,376	74,305	\$ 0.7500	\$ 55,729	74,305	\$ 1.8500	\$ 137,464	\$ 193,193
May	74,615	\$ 3.6300	\$ 270,852	76,022	\$ 0.7500	\$ 57,017	76,022	\$ 1.8500	\$ 140,641	\$ 197,657
June	85,236	\$ 3.6300	\$ 309,407	85,246	\$ 0.7500	\$ 63,935	85,246	\$ 1.8500	\$ 157,705	\$ 221,640
July	73,145	\$ 3.6300	\$ 265,516	82,802	\$ 0.7500	\$ 62,102	82,802	\$ 1.8500	\$ 153,184	\$ 215,285
August	65,057	\$ 3.6300	\$ 236,157	76,538	\$ 0.7500	\$ 57,404	76,538	\$ 1.8500	\$ 141,595	\$ 198,999
September	72,252	\$ 3.6300	\$ 262,275	77,277	\$ 0.7500	\$ 57,958	77,277	\$ 1.8500	\$ 142,962	\$ 200,920
October	73,062	\$ 3.6300	\$ 265,215	73,709	\$ 0.7500	\$ 55,282	73,709	\$ 1.8500	\$ 136,362	\$ 191,643
November	82,847	\$ 3.6300	\$ 300,735	88,465	\$ 0.7500	\$ 66,349	88,465	\$ 1.8500	\$ 163,660	\$ 230,009
December	90,084	\$ 3.6300	\$ 327,005	90,335	\$ 0.7500	\$ 67,751	90,335	\$ 1.8500	\$ 167,120	\$ 234,871
<b>Total</b>	966,348	\$ 3.63	\$ 3,507,843	1,007,980	\$ 0.75	\$ 755,985	1,007,980	\$ 1.85	\$ 1,864,763	\$ 2,620,748

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,687	\$ 3.3265	\$ 18,918	5,687	\$ 0.7667	\$ 4,360	5,687	\$ 1.6300	\$ 9,270	\$ 13,630
February	3,842	\$ 3.3265	\$ 12,780	4,225	\$ 0.7667	\$ 3,239	4,225	\$ 1.6300	\$ 6,887	\$ 10,126
March	4,157	\$ 3.3265	\$ 13,828	4,185	\$ 0.7667	\$ 3,209	4,185	\$ 1.6300	\$ 6,822	\$ 10,030
April	3,337	\$ 3.3265	\$ 11,101	3,337	\$ 0.7667	\$ 2,558	3,337	\$ 1.6300	\$ 5,439	\$ 7,998
May	2,766	\$ 3.3265	\$ 9,201	2,965	\$ 0.7667	\$ 2,273	2,965	\$ 1.6300	\$ 4,833	\$ 7,106
June	2,884	\$ 3.3265	\$ 9,594	2,905	\$ 0.7667	\$ 2,227	2,905	\$ 1.6300	\$ 4,735	\$ 6,962
July	3,906	\$ 3.3265	\$ 12,993	3,906	\$ 0.7667	\$ 2,995	3,906	\$ 1.6300	\$ 6,367	\$ 9,362
August	2,888	\$ 3.3265	\$ 9,607	2,888	\$ 0.7667	\$ 2,214	2,888	\$ 1.6300	\$ 4,707	\$ 6,922
September	2,742	\$ 3.3265	\$ 9,121	2,879	\$ 0.7667	\$ 2,207	2,879	\$ 1.6300	\$ 4,693	\$ 6,900
October	2,992	\$ 3.3265	\$ 9,953	2,993	\$ 0.7667	\$ 2,295	2,993	\$ 1.6300	\$ 4,879	\$ 7,173
November	3,445	\$ 3.3265	\$ 11,460	3,698	\$ 0.7667	\$ 2,835	3,698	\$ 1.6300	\$ 6,028	\$ 8,863
December	4,392	\$ 3.3265	\$ 14,610	4,392	\$ 0.7667	\$ 3,367	4,392	\$ 1.6300	\$ 7,159	\$ 10,526
<b>Total</b>	43,038	\$ 3.33	\$ 143,166	44,060	\$ 0.77	\$ 33,781	44,060	\$ 1.63	\$ 71,818	\$ 105,599

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to calculate the expected billing when forecasted 2014 Uniform Transmission Rates are applied against historical 2012 transmission units.

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	104,373	\$ 3.61	\$ 377,148	106,449	\$ 0.75	\$ 79,932	106,449	\$ 1.84	\$ 195,680	\$ 275,611
February	91,123	\$ 3.62	\$ 329,610	93,839	\$ 0.75	\$ 70,450	93,839	\$ 1.84	\$ 172,673	\$ 243,122
March	97,062	\$ 3.62	\$ 351,073	97,090	\$ 0.75	\$ 72,887	97,090	\$ 1.84	\$ 178,696	\$ 251,583
April	74,515	\$ 3.62	\$ 269,477	77,642	\$ 0.75	\$ 58,287	77,642	\$ 1.84	\$ 142,904	\$ 201,191
May	77,381	\$ 3.62	\$ 280,054	78,987	\$ 0.75	\$ 59,290	78,987	\$ 1.84	\$ 145,474	\$ 204,763
June	88,120	\$ 3.62	\$ 319,000	88,151	\$ 0.75	\$ 66,162	88,151	\$ 1.84	\$ 162,440	\$ 228,602
July	77,051	\$ 3.61	\$ 278,510	86,708	\$ 0.75	\$ 65,096	86,708	\$ 1.84	\$ 159,550	\$ 224,647
August	67,945	\$ 3.62	\$ 245,764	79,426	\$ 0.75	\$ 59,618	79,426	\$ 1.84	\$ 146,303	\$ 205,920
September	74,994	\$ 3.62	\$ 271,396	80,156	\$ 0.75	\$ 60,165	80,156	\$ 1.84	\$ 147,655	\$ 207,820
October	76,054	\$ 3.62	\$ 275,168	76,702	\$ 0.75	\$ 57,576	76,702	\$ 1.84	\$ 141,240	\$ 198,817
November	86,292	\$ 3.62	\$ 312,194	92,163	\$ 0.75	\$ 69,184	92,163	\$ 1.84	\$ 169,688	\$ 238,872
December	94,476	\$ 3.62	\$ 341,615	94,727	\$ 0.75	\$ 71,119	94,727	\$ 1.84	\$ 174,279	\$ 245,397
<b>Total</b>	1,009,386	\$ 3.62	\$ 3,651,009	1,052,040	\$ 0.75	\$ 789,766	1,052,040	\$ 1.84	\$ 1,936,581	\$ 2,726,347
Transformer Allowance Credit (if applicable)										\$ -
Total including deduction for Transformer Allowance Credit										\$ 2,726,347



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to re-align the current RTS Network Rates to recover current wholesale network costs.

Rate Class	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR Network
Residential	kWh	\$ 0.0070	210,243,917	-	\$ 1,471,707	39.9%	\$ 1,456,910	<b>\$0.0069</b>
General Service Less Than 50 kW	kWh	\$ 0.0066	89,026,207	-	\$ 587,573	15.9%	\$ 581,665	<b>\$0.0065</b>
General Service 50 to 2,999 kW	kW	\$ 2.6208	223,688,453	540,969	\$ 1,417,772	38.4%	\$ 1,403,517	<b>\$2.5944</b>
General Service 3,000 to 4,999 kW	kW	\$ 2.7800	35,722,772	68,480	\$ 190,374	5.2%	\$ 188,460	<b>\$2.7520</b>
Unmetered Scattered Load	kWh	\$ 0.0066	93,035	-	\$ 614	0.0%	\$ 608	<b>\$0.0065</b>
Sentinel Lighting	kW	\$ 1.9864	487,759	2,345	\$ 4,658	0.1%	\$ 4,611	<b>\$1.9664</b>
Street Lighting	kW	\$ 1.9765	2,790,238	7,788	\$ 15,393	0.4%	\$ 15,238	<b>\$1.9566</b>
					<b>\$ 3,688,091</b>			



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR Connection
Residential	kWh	\$ 0.0053	210,243,917	-	\$ 1,114,293	41.0%	\$ 1,117,750	<b>\$0.0053</b>
General Service Less Than 50 kW	kWh	\$ 0.0048	89,026,207	-	\$ 427,326	15.7%	\$ 428,652	<b>\$0.0048</b>
General Service 50 to 2,999 kW	kW	\$ 1.8828	223,688,453	540,969	\$ 1,018,537	37.5%	\$ 1,021,697	<b>\$1.8886</b>
General Service 3,000 to 4,999 kW	kW	\$ 2.0808	35,722,772	68,480	\$ 142,493	5.2%	\$ 142,935	<b>\$2.0873</b>
Unmetered Scattered Load	kWh	\$ 0.0048	93,035	-	\$ 447	0.0%	\$ 448	<b>\$0.0048</b>
Sentinel Lighting	kW	\$ 1.4859	487,759	2,345	\$ 3,484	0.1%	\$ 3,495	<b>\$1.4905</b>
Street Lighting	kW	\$ 1.4554	2,790,238	7,788	\$ 11,335	0.4%	\$ 11,370	<b>\$1.4599</b>
					<b>\$ 2,717,914</b>			



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to update the re-align RTS Network Rates to recover forecast wholesale network costs.

Rate Class	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR Network
Residential	kWh	\$0.0069	210,243,917	-	1,456,909.98	39.9%	\$ 1,456,910	<b>\$0.0069</b>
General Service Less Than 50 kW	kWh	\$0.0065	89,026,207	-	\$ 581,665	15.9%	\$ 581,665	<b>\$0.0065</b>
General Service 50 to 2,999 kW	kW	\$2.5944	223,688,453	540,969	\$ 1,403,517	38.4%	\$ 1,403,517	<b>\$2.5944</b>
General Service 3,000 to 4,999 kW	kW	\$2.7520	35,722,772	68,480	\$ 188,460	5.2%	\$ 188,460	<b>\$2.7520</b>
Unmetered Scattered Load	kWh	\$0.0065	93,035	-	\$ 608	0.0%	\$ 608	<b>\$0.0065</b>
Sentinel Lighting	kW	\$1.9664	487,759	2,345	\$ 4,611	0.1%	\$ 4,611	<b>\$1.9664</b>
Street Lighting	kW	\$1.9566	2,790,238	7,788	\$ 15,238	0.4%	\$ 15,238	<b>\$1.9566</b>
					<b>\$ 3,651,009</b>			



## RTSR Workform for Electricity Distributors (2014 Filers)

The purpose of this sheet is to update the re-aligned RTS Connection Rates to recover forecast wholesale connection costs.

Rate Class	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Loss Adjusted Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR Connection
Residential	kWh	\$ 0.0053	210,243,917	-	\$ 1,117,750	41.0%	\$ 1,117,750	\$ 0.0053
General Service Less Than 50 kW	kWh	\$ 0.0048	89,026,207	-	\$ 428,652	15.7%	\$ 428,652	\$ 0.0048
General Service 50 to 2,999 kW	kW	\$ 1.8886	223,688,453	540,969	\$ 1,021,697	37.5%	\$ 1,021,697	\$ 1.8886
General Service 3,000 to 4,999 kW	kW	\$ 2.0873	35,722,772	68,480	\$ 142,935	5.2%	\$ 142,935	\$ 2.0873
Unmetered Scattered Load	kWh	\$ 0.0048	93,035	-	\$ 448	0.0%	\$ 448	\$ 0.0048
Sentinel Lighting	kW	\$ 1.4905	487,759	2,345	\$ 3,495	0.1%	\$ 3,495	\$ 1.4905
Street Lighting	kW	\$ 1.4599	2,790,238	7,788	\$ 11,370	0.4%	\$ 11,370	\$ 1.4599
					<b>\$ 2,726,347</b>			



## RTSR Workform for Electricity Distributors (2014 Filers)

For Cost of Service Applicants, please enter the following Proposed RTS rates into your rates model.

For IRM applicants, please enter these rates into the 2013 IRM Rate Generator, Sheet 11 "Proposed Rates", column I.  
Please note that the rate descriptions for the RTSRs are transferred automatically from Sheet 4 to Sheet 11, Column A.

Rate Class	Unit	Proposed RTSR Network		Proposed RTSR Connection	
Residential	kWh	\$	0.0069	\$	0.0053
General Service Less Than 50 kW	kWh	\$	0.0065	\$	0.0048
General Service 50 to 2,999 kW	kW	\$	2.5944	\$	1.8886
General Service 3,000 to 4,999 kW	kW	\$	2.7520	\$	2.0873
Unmetered Scattered Load	kWh	\$	0.0065	\$	0.0048
Sentinel Lighting	kW	\$	1.9664	\$	1.4905
Street Lighting	kW	\$	1.9566	\$	1.4599

## **APPENDIX “I”**

### **2014 SHARED TAX SAVINGS MODEL**





# Incentive Regulation Shared Tax Savings Model for 2014 Filers

Version 1.1

Utility Name	North Bay Hydro Distribution Limited
Service Territory Name	North Bay
Assigned EB Number	EB-2013-0157
Name and Title	Melissa Casson
Phone Number	705-474-8100 xt: 300
Email Address	<a href="mailto:mcasson@northbayhydro.com">mcasson@northbayhydro.com</a>
Date	Friday, August 30, 2013
Last COS Re-based Year	2010

**Note:** Drop-down lists are shaded blue; Input cells are shaded green.

*This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your IRM application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.*

*While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.*



# Incentive Regulation Shared Tax Savings Model for 2014 Filers

- 1. Info**
- 2. Table of Contents**
- 3. Re-Based Billing Determinants and Rates**
- 4. Re-Based Revenue from Rates**
- 5. Z-Factor Tax Changes**
- 6. Calculation of Tax Change Variable Rate Rider**



## Incentive Regulation Shared Tax Savings Model for 2014 Filers

Enter your 2013 Base Monthly Fixed Charge and Distribution Volumetric Charge into columns labeled "Rate ReBal Base Service Charge" and "Rate ReBal Base Distribution Volumetric Rate kWh/kW" respectively.

**Last COS Re-based Year was in 2010**

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	21,075	214,923,813		14.44	0.0129	
GSLT50	General Service Less Than 50 kW	Customer	kWh	2,645	85,026,017		21.39	0.0165	
GSGT50	General Service 50 to 2,999 kW	Customer	kW	287	221,440,020	638,330	289.91		2.0677
GSGT50	General Service 3,000 to 4,999 kW	Customer	kW	2	38,784,125	74,106	5,763.41		1.0996
USL	Unmetered Scattered Load	Connection	kWh	76	337,294		6.93	0.0160	
Sen	Sentinel Lighting	Connection	kW	509	505,803	1,382	4.36		15.2239
SL	Street Lighting	Connection	kW	5,680	2,721,605	7,658	4.81		25.7648
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



## Incentive Regulation Shared Tax Savings Model for 2014 Filers

Calculating Re-Based Revenue from rates. No input required.

**Last COS Re-based Year was in 2010**

Rate Class	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F	Service Charge Revenue G = A * D * 12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requirement from Rates J = G + H + I
Residential	21,075	214,923,813	0	14.44	0.0129	0.0000	3,651,807	2,772,517	0	6,424,324
General Service Less Than 50 kW	2,645	85,026,017	0	21.39	0.0165	0.0000	678,942	1,402,929	0	2,081,871
General Service 50 to 2,999 kW	287	221,440,020	638,330	289.91	0.0000	2.0677	997,406	0	1,319,874	2,317,280
General Service 3,000 to 4,999 kW	2	38,784,125	74,106	5,763.41	0.0000	1.0996	126,564	0	81,487	208,051
Unmetered Scattered Load	76	337,294	0	6.93	0.0160	0.0000	6,320	5,397	0	11,717
Sentinel Lighting	509	505,803	1,382	4.36	0.0000	15.2239	26,627	0	21,034	47,661
Street Lighting	5,680	2,721,605	7,658	4.81	0.0000	25.7648	327,850	0	197,316	525,167
							5,815,516	4,180,843	1,619,711	11,616,071



## Incentive Regulation Shared Tax Savings Model for 2014 Filers

This worksheet calculates the tax sharing amount.

Step 1: Press the Update Button (this will clear all input cells and reveal your latest cost of service re-basing year).

Step 2: In the green input cells below, please enter the information related to the last Cost of Service Filing.

### Summary - Sharing of Tax Change Forecast Amounts

For the 41516 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

\$ -

#### 1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2010	2014
Taxable Capital	\$ 44,104,715	\$ 44,104,715
Deduction from taxable capital up to \$15,000,000	\$ 15,000,000	\$ 15,000,000
Net Taxable Capital	\$ 29,104,715	\$ 29,104,715
Rate	0.150%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ 21,649	\$ -

#### 2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2010	2014
Regulatory Taxable Income	\$ 2,313,637	\$ 2,313,637
Corporate Tax Rate	28.72%	24.99%
Tax Impact	\$ 664,477	\$ 578,114
<b>Grossed-up Tax Amount</b>	<b>\$ 664,477</b>	<b>\$ 578,114</b>

Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ 21,649	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 664,477	\$ 578,114
<b>Total Tax Related Amounts</b>	<b>\$ 686,126</b>	<b>\$ 578,114</b>
Incremental Tax Savings		-\$ 108,012
Sharing of Tax Savings (50%)		-\$ 54,006



## Incentive Regulation Shared Tax Savings Model for 2014 Filers

This worksheet calculates a tax change volumetric rate rider. No input required. The outputs in column Q and S are to be entered into Sheet 11 "Proposed Rates" of the 2014 IRM Rate Generator Model. Rate description should be entered as "Rate Rider for Tax Change".

Rate Class	Total Revenue \$ by Rate Class A	Total Revenue % by Rate Class B = A / \$H	Total Z-Factor Tax Change\$ by Rate Class C = \$I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	\$6,424,324	55.31%	-\$29,868	214,923,813	0	-\$0.0001	
General Service Less Than 50 kW	\$2,081,871	17.92%	-\$9,679	85,026,017	0	-\$0.0001	
General Service 50 to 2,999 kW	\$2,317,280	19.95%	-\$10,774	221,440,020	638,330		-\$0.0169
General Service 3,000 to 4,999 kW	\$208,051	1.79%	-\$967	38,784,125	74,106		-\$0.0131
Unmetered Scattered Load	\$11,717	0.10%	-\$54	337,294	0	-\$0.0002	
Sentinel Lighting	\$47,661	0.41%	-\$222	505,803	1,382		-\$0.1604
Street Lighting	\$525,167	4.52%	-\$2,442	2,721,605	7,658		-\$0.3188
	<u>\$11,616,071</u> H	<u>100.00%</u>	<u>-\$54,006</u> I				

## **APPENDIX “J”**

### **PRUDENCE REVIEW OF SMART METER COSTS – APPLICATION FOR RECOVERY OF SMART METER CAPITAL AND OM&A COSTS**

## **ONTARIO ENERGY BOARD**

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

**AND IN THE MATTER OF an Application by North Bay Hydro Distribution Limited  
for an Order or Orders approving rates for Smart Meter cost recovery  
to be implemented on May 1, 2014.**

### **APPLICATION**

North Bay Hydro Distribution Ltd. (NBHDL) hereby makes application to the Ontario Energy Board for an Order or Orders effective May 1, 2014 seeking recovery of smart meter capital and OM&A costs related to minimum functionality. The cost recovery is based on actual audited costs incurred to the end of 2012, actual costs to June 2013 and forecasted costs for the remainder of 2013 and 2014. NBHDL is requesting a Smart Meter Disposition Rate Rider (per metered customer per month) of \$1.28 for one year (May 1, 2014 to April 30, 2015) for Residential customers and a Smart Meter Disposition Rate Rider (per metered customer per month) of \$7.79 for one year (May 1, 2014 to April 30, 2015) for General Service <50kW customers. NBHDL is also requesting a Smart Meter Incremental Revenue Requirement Rate Rider to commence May 1, 2014 in the amount of \$1.37 (per metered customer per month) for Residential Customers and \$3.20 (per metered customer per month) for General Service <50kW customers.

NBHDL is specifically requesting the following:

1. Smart Meter Disposition Rate Rider (per metered customer per month) of \$1.28 for one year (May 1, 2014 to April 30, 2015) for Residential customers and a Smart Meter Disposition Rate Rider (per metered customer per month) of \$7.79 for one year (May 1, 2014 to April 30, 2015) for General Service <50kW customers. This Rate Rider reflects the Net Deferred Revenue Requirement of \$574,853 being the difference between the Deferred Incremental Revenue Requirement from 2006 to 2013 of \$2,207,161 including interest and the SMFA Revenues collected from 2006 to 2013 of \$1,632,308 including interest to 2014;
2. Smart Meter Incremental Revenue Requirement Rate Rider to commence May 1, 2014 in the amount of \$1.37 (per metered customer per month) for Residential Customers and \$3.20 (per metered customer per month) for General Service <50kW customers. This Rate Rider reflects the 2014 Incremental Revenue Requirement in the amount of \$451,412; and



3. NBHDL is not requesting recovery of the stranded meter costs but continues to include these in rate base for rate-making purposes, as recommended by the Board in its Decision with Reasons in the Smart Meter Combined Proceeding (EB-2007-0063). NBHDL will seek recovery of the stranded meter costs at the time of the next Cost of Service Application.

The Application for recovery of smart meter costs includes the following parts:

- Manager's Summary of the Application
- Smart Meter Model - version 4.0

### **Manager's Summary**

This application is being filed by NBHDL for smart meter cost recovery for the implementation of smart meters in accordance with Provincial policy directives. The cost recovery is based on actual audited costs incurred to the end of 2012, actual costs to June 2013 and forecasted costs for the remainder of 2013 and 2014.

#### **1. Collaboration of LDCs:**

NBHDL participated with District 9 Utilities to deploy smart meters in a cost effective manner. The collaborative initiative enabled LDC's to meet provincial requirements to install smart meters and convert appropriate customers to time-of-use rates. As part of the collaborative effort 7 LDCs entered into a professional services agreement with Util-Assist Inc., an Ontario consulting firm specializing in metering solutions and technologies, to assist with the development of the project plan, RFPs, evaluations, award of contract, project monitoring, training, problem solving and reporting. Util-Assist Inc. commenced their activities in 2007 and continues to work with NBHDL today.

The 7 LDCs which form District 9 represent a customer base of approximately 80,000 customers. The members included in the District 9 consortium are as follows:

Chapleau Public Utilities Corporation	Hearst Power Distribution Ltd.
Espanola Regional Hydro Distribution Corp.	North Bay Hydro Distribution Inc.
Northern Ontario Wires Inc.	Great Lakes Power Limited (now Algoma Power Inc.)
PUC Distribution Inc.	

This collaborative effort on smart meter deployment is not unique. The Northeastern District LDC's purchase materials as a consortium and share best practices and operating experiences on a diverse range of daily issues.

## 2. Status of Implementation of Smart Meters

NBHDL has installed a total of 23,197 meters as of June 30, 2013 which represents 98% of total RPP eligible meters. This application seeks the recovery of the revenue requirements associated with smart meter capital and OM&A summarized in Table #1. The capital amount reflects the smart meter capital incurred from 2006 to 2013. The OM&A value represents incremental smart meter costs that were incurred mainly from 2007 to 2011 along with \$2,991 in 2012. NBHDL incurred smart meter OM&A costs in 2012 and has on-going and forecasted costs related to smart meters throughout 2013 and 2014, however, NBHDL has absorbed these costs in the normal business operations of the company and is not seeking cost recovery for these costs.

By the end of 2011, NBHDL had transitioned the majority of customers to smart meters and implemented TOU billing; from management's perspective smart meters had become a part of daily routine operations and the only remaining incremental costs associated with the transition were those related to capital such as the purchase of three phase smart meters. NBHDL quickly transitioned off the manual meter reading process in order to utilize the technology deployed and worked hard to ensure there was no duplication of costs as this would be an unnecessary cost burden for the customer. Once satisfied that the technology deployed was operating reliably, NBHDL implemented new processes and absorbed these changes and costs as part of distribution operations. From NBHDL's viewpoint there were minimal true incremental costs after 2011.

**Table #1: Smart Meter Capital & OM&A**

	<b>Total Actual</b>
<b>Minimum Functionality - Capital</b>	<b>\$3,429,679</b>
<b>Minimum functionality - OM&amp;A</b>	<b>\$412,537</b>
<b>Beyond Minimum functionality - OM&amp;A</b>	<b>\$0</b>
<b>TOTAL</b>	<b>\$3,842,216</b>

### **3.Recovery of Smart Meter Funding:**

Since 2006 NBHDL has been collecting funds associated with smart meter implementation. The basis for the recovery is outlined below:

- In the **2006** Decision and Order (EB-2005-0397), the OEB ordered that, in accordance with the Generic Decision (EB-2005-0529) a monthly fixed charge of \$0.31 per metered customer per month effective May 1, 2006 was billed and the proceeds were credited in OEB Account 1555, Smart Meter Capital and Recovery Offset Variance Account.
- In the **2007** Decision and Order (EB-2007-0561), NBHDL received approval to charge \$0.26 per metered customer per month as a smart metering funding charge for the 2007 IRM rate year.
- In the **2008** Decision and Order (EB-2007- 0794), NBHDL received approval to continue the \$0.26 per metered customer per month smart metering funding charge for the 2008 IRM rate year.
- In the **2009** Decision and Order (EB-2008-0202), NBHDL received approval to increase the smart meter funding adder to \$1.47 per metered customer per month.
- In its **2010** Decision and Order (EB-2009-0270), NBHDL received approval to continue the smart meter funding adder of \$1.47 per metered customer per month.
- In its **2011** Decision and Order (EB-2010-0102), NBHDL received approval from the Board to continue the 1.47 per metered customer per month smart meter funding adder.

### **4.Project Specifics:**

#### **a.AMI Selection:**

NBHDL was an active participant in the London RFP smart meter procurement process through which Sensus Metering Systems Inc. was identified as the preferred vendor by the Fairness Commissioner. The Fairness Commissioner Attestation Letter is provided in Appendix 1. As a named distributor in the London Hydro RFP, on June 28, 2008 the government authorized NBHDL via Regulation 427/06 to proceed with “metering activities pursuant to the Request for Proposal (RFP) for Advanced Metering Infrastructure (AMI) – Phase I Smart Meter Deployment issued August 14, 2007 by London Hydro. Inc.”. Protracted legal/contract negotiation between Sensus Metering Systems Inc. and several Ontario LDCs took place throughout 2009. In early October 2009, NBHDL finalized the details of the Automated Metering Infrastructure Sales and Services Agreement with Sensus Metering Systems Inc. Under the terms of this agreement Sensus provides software and professional services to provide an automated metering infrastructure (AMI) system including meters, tower gateway base stations (TGB), head-end communications and meter-data-collection servers. Sensus was also contracted, at least in the initial project phase, to provide AMI system operation and meter data collection services through

an option identified in the Sales and Services Agreement. This option provides ongoing maintenance and support of NBHDL's AMI system.

**b.Util-Assist – Consulting Assistance:**

NBHDL became a participant in the Ontario Utilities Smart Meter (OUSM) working group in early 2005 along with several other District 9 members. The intent of the working group was to allow member utilities the opportunity to educate themselves in the areas of AMI technology, AMI implementation and back office integration. The OUSM Working Group, which was facilitated by Util-Assist, grew to include over 50 members. NBHDL continued to work with the OUSM working group through 2007.

By mid- 2006 District 9 members, who decided to share system infrastructure as much possible, recognized they required consulting service(s) for AMI system selection and implementation. An RFP, based on the group's requirements, was issued and awarded to Util-Assist for services beginning in 2007.

In early 2007, NBHDL entered into a professional services agreement with Util-Assist, an Ontario consulting firm specializing in metering solutions and technologies. In mid-2008, with Util-Assist's support, various preliminary project activities were undertaken. Most critically, the processing of Requests for Proposal for mass installation of residential smart meters and the supply and support of an operational data store (ODS) for the Sensus metering system was issued and evaluated culminating in the selection of successful vendors. Util-Assist was actively involved in the implementation and rollout phases of the mass deployment contract and the ODS contract negotiation through the end of 2009 and into Q1 and Q2 2010.

Util-Assist's services were expanded in 2009 to include project management assistance and training services related to NBHDL's internal preparations and readiness for Meter Data Management Repository (MDM/R) enrolment. Util-Assist also worked closely with Sensus to evolve their collector system to handle the geographic challenges of NBHDL's service territory. Util-Assist helped with MDM/R integration in 2011 and continues to work with NBHDL today on process efficiency improvements.

### c. Sensus Collector Deployment:

In the early days of the smart meter project, Sensus surveyed NBHDL's service territory and provided a layout of the recommended number and location for tower gateway base stations (TGBs). The initial configuration specified 2 TGBs and 2 repeaters. When this system was deployed there was considerable trouble communicating with meters consistently throughout the service area.

The following cross section of NBHDL's service territory provides some appreciation of the terrain challenges:



NBHDL uses the Read Interval Success (RIS) parameter to benchmark performance. NBHDL expended considerable time and effort to get Sensus to improve the performance of their collector system. The rough terrain of the Canadian Shield was a real challenge for Sensus.

As per the following chart it took almost three years to identify and solve performance issues:

<b>Date/Milestone</b>	<b>Installed Infrastructure</b>	<b>RIS</b>	<b>Gap</b>
Initial Contract and RF Study – Oct. 2009	2 TGB Gateways 2 FNP Repeaters	0%	Early deployment – Mandate date 1.5 years away. Early tuning showing potential gaps
July 2011	2 TGB Gateways 1 FRP Remote Portal 9 FNP Repeaters	95.05%	Continued Tuning of Network – Well below SLA, estimate over 1000 meters not readable and not of TOU quality
September 2011	2 TGB Gateways 1 FRP Remote Portal 9 FNP Repeaters	95.17%	New RF Study Requested – <u>not</u> meeting SLA, estimate 840 meters not readable and not of TOU quality – continued tuning
May 2012	2 TGB Gateways 1 Metro (Pole mount TGB) 9 FNP Repeaters	98.91%	Replaced Feronia FRP with a metro unit – Barely meeting SLA, estimate 540 meters not readable and not of TOU quality
October 2012	2 TGB Gateways 3 Metro (Pole mount TGB) 9 FNP Repeaters	99.45%	Installed 2 new Metro units on Wilson and Peninsula roads. Meeting SLA – nearly all meters TOU quality – continued tuning
July 2013 (Current State)	2 TGB Gateways 3 Metro (Pole mount TGB) 9 FNP Repeaters	99.85%	Meeting SLA – nearly all meters TOU quality – continued tuning – adding 3 phase meters

Fortunately through this period technology evolved and Sensus developed a more portable TGB which became known as a Metro. This technology became the solution in rugged terrain. Some of the Metro locations were in remote areas and the electrical distribution grid had to be extended in some situations to provide service.

Based on performance data from the MDM/R, NBHDL's ODS and Sensus, NBHDL requires a RIS threshold of 99% plus to minimize estimations performed by the MDM/R. Based on experience, if RIS drops below 98%, NBHDL loses TOU quality billing data on remote meters resulting in cascading problems with routine billing processes. Over the past six months the collector system has stabilized and performed very reliably.

NBHDL could have settled with the original collector configuration which would have meant that over 1,000 residential customers would have remained on fixed pricing which would require manual meter reading. In addition, there would have to be a considerable amount of estimating to fill the time of use periods where interval data was missing which would have resulted in further manual intervention and subjective assignment of consumption data into the time of use periods.

#### **d. Residential and Commercial Deployment of Sensus Smart Meters:**

NBHDL researched the effort required and costs associated with the mass deployment and concluded that the most cost-effective approach to install the required meters was to utilize a third-party contractor. NBHDL staff was used on difficult installations where there were access problems, safety concerns or significant customer issues. Trilliant received the contract to perform the mass installation as a result of the 2008 District 9 RFP process. This contract was subsequently purchased by Olameter. The following timelines were experienced:

- Installations commenced in June 2009 with a scheduled completion date of December 2009. Due to good weather, efficient processes, a highly competent installation team and single phase meter availability, NBHDL was able to complete the mass installation. In 2010 and 2011 NBHDL staff installed single phase network meters in apartments and some commercial facilities and transformer rated single phase meters in General Services <50kw customers.
- In 2011 the focus switched from meter installation to working with Sensus and Util-Assist to overcome communication problems with Sensus' collector system. It took until late 2012 to determine how to improve the performance of their collector system.
- During Q2 2011 approval was given to Sensus to begin the Remote Meter Application (RMA) exchange process. This process exchanged any meters which had not communicated with the system over an extended period of time. NBHDL had taken extensive steps to track

which meters were in a non-communicating state. The meters were returned to Sensus to have warranty work performed.

- During late summer and early fall 2012, NBHDL worked with Sensus to install the necessary components to improve communication reliability.
- In late 2012 and early 2013 Sensus received Measurement Canada certification for 3 phase smart metering required to extend time of use pricing to certain eligible General Service <50kw customers. This metering became available in quantities in early 2013 and NBHDL is currently in the process of completing the installation with approximately 350 remaining. The installation of the 3 phase meters allows NBHDL the ability to extend time of use pricing to all eligible customers, fulfilling Provincial policy. Sensus did have an earlier version of the 3 phase smart meter however there were considerable communication and integration problems; NBHDL decided to wait to deploy until operational issues were resolved.

Since the bulk deployment in 2009, installations and/or exchanges have been completed by internal staff. This is due to the need for infrastructure upgrades, appointment scheduling and meter availability.

#### **e. Data Collection Services/FlexNet and FlexWare Systems:**

The data captured by the smart meter is relayed through Metro's and TGBs to Sensus' FlexWare software, on the Regional Network Interface (RNI), which Sensus currently hosts on NBHDL's behalf. In one situation a FNP had to be connected by phone line to NBHDL's office which is then routed to the RNI. This customization was required because of poor cellular reception in more rugged areas of NBHDL's service territory. The RNI is shared by District 9 participating LDC's in a further effort to collaborate and control costs. This network was used extensively in 2010 and 2011 to "fine tune" the system and to change meter communication modes when required. This helped to improve the ability of smart meters to communicate regularly with the AMI system.

#### **f. Annual Security Audit:**

With the mass deployment of AMI systems, security of the AMI network has become critical to prevent LDC's from becoming susceptible to new levels of security breaches, to ensure customer privacy and acceptance of the network. By installing network infrastructure in the field, there is a requirement for additional security measures in order to ensure that utility data and equipment are kept secure from manipulation or other forms of control. The Minimum Functional Specification for an Advanced Metering Infrastructure (AMI) released in July 2007 identified the need for security within the AMI network - Section 2.11 Security and Authentication: "The AMI shall have security features to prevent unauthorized access to the AMI and meter data and to ensure authentication to all AMI elements." Also, in November of 2009 the Information and Privacy



Commissioner of Ontario released the report Smart Privacy for the Smart Grid which identified areas of concern to be addressed in the area of smart meter and smart grid devices.

Security of the network and ensuring that customer data is protected at all times resulted in the development of governance standards requiring extensive security measures such as NERC (North American Electric Reliability Corporation). The NERC reliability standards are developed by the electricity industry using a balanced, open, fair and inclusive process managed by the NERC Standards Committee.

For many Ontario LDCs, including NBHDL, completing a security audit at a NERC, NIST or comparable level would be a cost-prohibitive exercise. Leveraging the power of working collaboratively, NBHDL joined a consortium of Ontario Sensus AMI Utilities in the issuance of the April 2010 "Smart Meter Network Security Audit Services" Request for Proposal. Bell WorldTech was the successful bidder of this contract.

Going forward NBHDL has budgeted for an annual security audit, as this is a prudent approach to satisfy due diligence requirements for protection of customer data and verify system integrity.

#### **g.Operation Data Store (ODS):**

NBHDL participated with other District 9 utilities in an ODS Request for Proposal Process in Q4 of 2008. A comprehensive evaluation process was undertaken by the group and the Harris MeterSense product was recommended. NBHDL opted to not proceed with an ODS at that time primarily because NBHDL did not have the Harris CIS system which is tightly integrated with the MeterSense ODS product. NBHDL also felt it prudent to postpone the implementation of an additional new system until staff had an opportunity to become familiar with the AMI network and gain experience with the management of AMI data. This approach allowed NBHDL time to better understand if the existing resource level could maintain billing standards or whether automation could better support the new tasks required for the implementation of time of use rates.

As NBHDL completed the full deployment the AMI system, the need for automation was confirmed to handle the large number of exceptions generated each day by the new technology. The MDM/R is very specific in its format requirements for meter data. The AMI and Flexnet system does not always collect data in the format required by the MDM/R. This creates an exception which must be resolved in order to allow the MDM/R to operate efficiently and not reject data on a significant scale. Exceptions can be resolved with manual intervention by billing or IT staff or through automation. Each month approximately 1,500-2,000 exceptions must be resolved for NBHDL to bill customers; one staff member can resolve 60-100 exceptions per month and it became readily apparent an ODS was required to automate the exception handling

process. Additionally, the AMI only stores 60 days of data as per the Ministry of Energy's Functional Specification. The ODS provides a cost effective means to manage exceptions with the MDM/R and AMI network as well as a tool set to store operational data.

In 2011, after completing a thorough evaluation process, NBHDL selected the Savage Data ODS product. The Savage ODS is widely deployed by Ontario LDC's and is a more cost effective solution than MeterSense. Savage Data is also based in North Bay resulting in excellent customer service opportunities. The Savage Data ODS was implemented in Q2 of 2011.

NBHDL fully supports the IESO MDM/R system and was committed to facilitating enrolment as quickly as possible with the MDM/R.

### **5. Business Process Redesign**

Throughout the latter half of 2010, the Util-Assist training team delivered a series of education sessions covering the MDM/R design specifications, meter read data, VEE and other billing processes, and the design of a testing/cutover strategy. LDCs have widely recognized that a number of business processes, including new account setup, meter installations, meter changes, move-in/move-out and final billing all require scrutiny and procedural modifications to ensure that MDM/R integrations are optimized. Actual business process redesign is an ongoing process to find more efficient and reliable processes and this work continues today.

### **6. System Changes**

NBHDL's CIS was updated to include a smart meter module to allow TOU billing and communication with the MDM/R. CIS technicians took almost 6 months to ensure the module was capable of performing all required functions and the costs of the new module were shared amongst utilities using the same CIS platform as NBHDL. Despite these difficulties NBHDL was able to meet regulatory timelines.

### **7. Integration with MDM/R**

To assist with the integration to the provincial MDM/R staff attended relevant IESO training sessions as well as further training sessions provided by Util-Assist. Registration paperwork and integration project plans were filed with the IESO on October 8, 2010. AS2 connectivity software to facilitate data integration with the MDM/R was selected and installed in May 2011 and connectivity testing was scheduled with the IESO for June, 2011.

NBHDL received notification from IESO that Unit Testing had been successfully completed on August 19<sup>th</sup>, 2011. NBHDL officially passed System Integration Testing (SIT) on September 2<sup>st</sup> 2011 and started Qualification Testing (QT) on September 8<sup>th</sup> 2011. QT was completed on October 7, 2011 and cutover to production was attained on October 19<sup>th</sup>, 2011.

## **8. Transition to Time of Use Pricing**

In mid-2009, the Ontario Government articulated an expectation that 1 million RPP customers would be billed using TOU pricing by the summer of 2010, rising to 3.6 million customers by June 2011. On June 24, 2010, the Ontario Energy Board issued a proposed determination regarding mandated time-of-use pricing for regulated price plan customers (Board File No. EB-2010-0218), suggesting that distributor-specific TOU dates would be the most appropriate approach, as it allows for the deadline to logically follow MDM/R enrolment activities.

In a letter dated August 4, 2010, the OEB provided direction to all LDCs on mandated dates by which each distributor must bill those of its RPP customers that have eligible TOU meters using TOU pricing. NBHDL's mandated date for time-of-use billing was September, 2011 for all residential and general service <50kW customers. Despite the communication challenges with the smart meter collection system NBHDL was able to persevere and transition the majority of customers to time of use billing for September 2011 consumption. NBHDL staff made every effort to meet this date to avoid the deferral request issue.

## **9. Customer Education**

In the fall of 2009, NBHDL held information sessions for customers to acquaint them with installation of smart meters and TOU pricing. Also in 2009 there were several articles in local media including radio, newspaper and television on issues associated with smart meters and TOU pricing. At that time most smart meters had been deployed and NBHDL had not yet converted to TOU rates. A control group of customers were identified and had bills calculated based on fixed and TOU pricing; in most cases there was very little difference in the electricity bill component and this information was used to allay concerns about peak pricing. Retailers attempted to capitalize on customer confusion around TOU pricing and NBHDL did its best to provide accurate and unbiased information. Presentations were made to local community and customer groups and NBHDL also visited customers directly to help smooth the transition. Following installation, NBHDL provided customers with a letter and a booklet outlining how smart meters would work and energy conservation tips and techniques.

In 2010 and 2011, NBHDL held information sessions with business customers to provide information on bill impacts at home and also at small businesses. Working with the local library, NBHDL made optical meter scanners with in-home display units available so customers could monitor consumption through the time of use periods.

## **10. Web Presentment**

Web presentment of customer TOU consumption within 24 hours of availability is critical if customers are to take control of electricity consumption patterns over the longer term. Customers

are paying the costs of the provincially mandated smart meter system and must be provided tools to derive benefit. NBHDL initially worked through the D9 group to consider various web presentment service providers however, in the end, NBHDL opted to use a considerably lower cost option made available through a local service provider who also had access to and was familiar with NBHDL's CIS. The web presentment tool is being operationalized over the summer of 2013.

## **11. Agreements**

The following agreements were necessary for the deployment of smart meters and transition to TOU rates:

- **Sensus Advanced Metering Infrastructure Sales and Services Agreement**
  - o This is a 15 year agreement for the provision of smart meters, infrastructure to communicate with smart meters, and transmission of data to the MDM/R. Under the terms of this agreement NBHDL has selected Option B2 whereby NBHDL owns the meters, TGB's, FNP's and Metro's. Sensus owns the RNI and operates and maintains the network. Sensus provides full FlexNet functionality, data services including hourly reads for all meters and collecting other relevant information available from the meter. Under the terms of this agreement Sensus must meet specific performance parameters on meter availability and successful collection of interval data.
  - o NBHDL can select other options including owning and operating the RNI and only licensing the Flexnet network or NBHDL may own the RNI while Sensus operates and maintains the Flexnet network. A similar agreement was entered into by all participating LDC's. The legal costs for developing this agreement were shared amongst the participants.
- **Olameter Smart Meter Installation Services**
  - o NBHDL contracted Olameter for project management and installation of approximately 20,000 single phase non-transformer rated smart meters by December 25, 2009. This included capturing of information, including meter numbers, out reads and in reads and input to NBHDL CIS and return of removed meters for disposal.
  - o Olameter was responsible for installing, or the attempt to install, smart meters on single phase, self-contained meter applications, at all NBHDL electric customer sites. Transformer rated installations and poly phase meter installations were bypassed by Olameter. Field activities encountered of this type were reported to NBHDL for re-dispatch to NBHDL crews.

- NBHDL provided meter seals and other security hardware to be placed on the smart meter by Olameter.
- Each Meter installer was responsible for communications with customers to gain access to the meter. Meter installers were provided with communications materials that were distributed to customers as part of the meter installation process. NBHDL provided all marketing and customer information pieces and notices to be used in the project.
- Olameter was responsible for performing the following tasks while meeting or exceeding LDC's safety policies, customer interaction policies and timing requirements:
  - Customer contact
  - Customer information
  - Appointment management
  - Customer complaints and claims administration
  - Providing courteous call centre services for both NBHDL and Olameter installers

- **Bell Wurldtech security Audit Agreement**

- Bell/Wurldtech's agreement is to complete a security audit of the Sensus AMI systems for consortium members (D9 group plus additional customers in Ontario) with Sensus technology in place, and to then work with Sensus towards the implementation of viable countermeasures to resolve all security concerns. The Bell WurldTech contract is for a two year term commencing in 2012, with year one focusing on testing to identify vulnerabilities and associated remediation activity by the AMI Vendor. Year two focuses on the testing to validate that remediation measures applied did indeed mitigate the vulnerabilities.

- **Savage Data ODS Services**

- The agreement with Savage Data for the provision of ODS services is for three years. Savage provides an AMI interface to Sensus, dashboard showing AMI performance, fully functional Validation Estimating & Editing, Reporting, and archiving of data beyond the 60 day RNI storage window. The ODS also provides the automated correction for the vast majority of meter exception errors and data resubmission/back-fills.

- **Util Assist**

The Util-Assist service agreement(s) are multi-faceted and included:

- Util-Assist managed the RFP process for the supply and install of smart meters on behalf of District 9 members.
- Util-Assist supported various preliminary project activities including processing the RFP for the supply and support of an ODS for the Sensus metering system.
- Util-Assist provided project management assistance and training services related to NBHDL's internal preparations and readiness for MDM/R enrolment.
- Util-Assist was contracted to work closely with Sensus to evolve their collector system to handle the geographic challenges of NBHDL's service territory.
- Util-Assist provided assistance with MDM/R integration in 2011.
- Util-Assist continues to work with NBHDL today on process efficiency improvements.

**12. Justification for Functionality that Exceeds Minimum Functionality:**

The installed meters and systems do not exceed the minimum functionality as specified in O. Reg. 425/06.

**13. Cost Variance:**

Table #1 is reproduced below. This table summarizes the Capital and OM&A costs relating to minimum functionality. Table #2 provides the total cost per unit by category and in total cost. In the 2009 Decision and Order (EB-2008-0202), NBHDL received approval to increase the smart meter funding adder to \$1.47 per metered customer per month. A summary comparison of actual costs to the budget provided in EB-2008-0202 is set out in Table #3 below and Table #4 provides a further breakdown of costs compared to budget.

NBHDL notes that the budget utilized in the 2009 IRM application was developed in the early stages of the smart meter transition and there were many unknown variables at the time; the information used was the best available. NBHDL used the budget as a foundation for assessing costs, however, the timeframe between budget development and actual deployment existed in a dynamic environment and costs decisions were made based on the operational requirements.

**Table #1: Smart Meter Capital & OM&A**

	<b>Total Actual</b>
<b>Minimum Functionality - Capital</b>	<b>\$3,429,679</b>
<b>Minimum functionality - OM&amp;A</b>	<b>\$412,537</b>
<b>Beyond Minimum functionality - OM&amp;A</b>	<b>\$0</b>
<b>TOTAL</b>	<b>\$3,842,216</b>

**Table #2: Smart Meter Capital & OM&A Cost / Unit**

	<b>Total Actual</b>	<b># of Meters</b>	<b>Cost per Unit</b>
<b>Capital</b>	<b>\$3,429,679</b>	<b>23,921</b>	<b>\$143.38</b>
<b>OM&amp;A</b>	<b>\$412,537</b>	<b>23,921</b>	<b>\$17.25</b>
<b>TOTAL</b>	<b>\$3,842,216</b>	<b>23,921</b>	<b>\$160.62</b>

**Table #3: Smart Meter Capital & OM&A Actual vs. Budget**

<b>Rate Filing</b>	<b>Total Actual</b>	<b>Total Budget</b>	<b>Variance</b>
<b>Minimum Functionality - Capital</b>	<b>\$3,429,679</b>	<b>\$3,622,611</b>	<b>(\$192,932)</b>
<b>Minimum functionality - OM&amp;A</b>	<b>\$412,537</b>	<b>\$1,070,670</b>	<b>(\$658,133)</b>
<b>Beyond Minimum Functionality – Capital</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Beyond Minimum functionality - OM&amp;A</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTAL</b>	<b>\$3,842,216</b>	<b>\$4,693,282</b>	<b>(\$851,066)</b>

**Table #4: Budget to Actual Cost Comparison 2006 to 2014**

Rate Filing	Total Actual	Total Budget	Variance
1.1 Advanced Metering Communication Device (AMCD)	\$2,747,534	\$2,935,551	(\$188,017)
1.2 Advanced Metering Regional Collector (AMRC) (includes LAN)	\$294,133	\$268,871	\$25,262
1.3 Advanced Metering Control Computer (AMCC)	\$84,163	\$68,577	\$15,587
1.4 Wide Area Network (WAN)	\$0	\$0	\$0
1.5 Other AMI Capital Costs Related To Minimum Functionality	\$303,849	\$349,613	(\$45,763)
1.6 Capital Costs Beyond Minimum Functionality	\$0	\$0	\$0
<b>TOTAL SMART METER CAPITAL COSTS</b>	<b>\$3,429,679</b>	<b>\$3,622,611</b>	<b>(\$192,932)</b>
2.1 Advanced Metering Communication Device (AMCD)	\$7,616	\$17,680	(\$10,064)
2.2 Advanced Metering Regional Collector (AMRC) (includes LAN)	\$19,750	\$5,651	\$14,099
2.3 Advanced Metering Control Computer (AMCC)	\$189,126	\$931,111	(\$741,985)
2.4 Wide Area Network (WAN)	\$17,590	\$0	\$17,590
2.5 Other AMI OM&A Costs Related To Minimum Functionality	\$178,455	\$116,228	\$62,227
2.6 OM&A Costs Beyond Minimum Functionality	\$0	\$0	\$0
<b>TOTAL SMART METER OM&amp;A COSTS</b>	<b>\$412,537</b>	<b>\$1,070,670</b>	<b>(\$658,133)</b>
<b>TOTAL SMART METER COSTS</b>	<b>\$3,842,216</b>	<b>\$4,693,282</b>	<b>(\$851,065)</b>

**a. Minimum Functionality - Capital Cost Analysis:**

Actual capital costs incurred for the minimum functionality totaled \$3,429,679 as set out in Table #3 above. Capital costs include items such as meters and associated installation costs, FlexNet collectors, software costs, professional fees, and equipment costs related to communication issues. NBHDL budgeted capital costs of \$3,622,611 resulting in an under budget variance of \$192,932. The costs related to 1.1 Advanced Metering Communications Device (AMCD) represent (\$188,017) of the budget variance and are a result of the following factors:

In addition to meter costs, the budget included costs related to warranty replacement and meter inventory. NBHDL's meter vendor has covered all warranty costs to date and as such there are no costs included in actual or forecasted data. Subsequent to the installation of smart meters, NBHDL determined that it would not stock excessive inventory due to the speed at which the meters become stale dated upon leaving the manufacturer.



The installation costs included in the budget were based on estimates at a per meter basis; however, NBHDL was billed by the 3<sup>rd</sup> party contractor at a lower rate resulting in reduced actual costs. NBHDL also used internal staffing resources for the installation of GS<50kW meters. The installation costs also anticipated costs for meter rings and rental space for meter inventory and scrapping and these costs were not incurred by NBHDL during the implementation.

The budget also included costs related to workforce automation that did not occur.

While the other categories within capital have variances, these costs offset to a minimal impact on the total capital budget variance. Overall the capital costs incurred by NBHDL were directly attributable to the requirement to install smart meters and the company prudently controlled all incremental capital purchases.

**b. Minimum Functionality - Operations and Maintenance Cost Analysis:**

As set out in Table #3 above, Operating and Maintenance costs related to minimum functionality total \$412,537. OM&A costs include maintenance costs, TGB fees, software and WAN maintenance, customer communication costs, staff training, administration and audit fees. NBHDL budgeted costs of \$1,070,670 resulting in an under budget variance of \$658,133, but a significant component of the variance (\$741,985) relates to the inclusion of anticipated Smart Meter Entity MDM/R costs and licensing fees that were based over four years in the 2009 application. The following summarizes the material variances by category:

**2.3 Advanced Metering Control Computer (AMCC) Operating Costs:**

Budgeted costs included \$528,725 in software fees anticipated for the Smart Meter Entity MDM/R. As stated above, the budget was prepared in the early stages of the smart meter deployment and these charges are those currently covered by the Smart Meter Entity Charge of \$.79/metered customer for the Residential and General Service Less Than 50 kW classes as calculated by the IESO.

The software licensing fees for both the TGB's and meters were included in the budget application for the period of 2009 through 2012. As discussed above, NBHDL only included incremental OM&A costs in the deferral accounts during the primary transition years and as such these fees (charged by Sensus) were included in the deferral accounts for 2010 and 2011 only resulting in an under budget variance of \$201,193. In addition, the actual annual cost was significantly lower than budget resulting in additional under budget variance of \$89,552.

NBHDL incurred additional offsetting costs of \$77,485 that were required to support the software conversion.

## 2.5 Other AMI OM&A Costs Related to Minimum Functionality:

Other OM&A Costs total \$178,455 vs. a budget of \$116,228, resulting in an over budget variance of \$62,227. Costs related to business process redesign and customer communication were over budget by \$67,551 and included the costs of the smart meter media campaign and open house for customers as well as a TOU campaign that included bill stuffers and event participation in the community.

All costs that were incurred by NBHDL were monitored closely to ensure that they were necessary for both a successful roll out of smart meters and ultimately a smooth transition for both NBHDL and the customer to TOU rates.

### **c. Beyond Minimum Functionality – OM&A Cost Analysis:**

NBHDL did not incur OM&A costs beyond minimum functionality related to the MDM/R and TOU implementation. NBHDL only included costs deemed incremental and necessary for the smart meter implementation in the deferral accounts.

### **d. Stranded Meter Costs**

NBHDL is not seeking disposition of its stranded meter costs in this Application. NBHDL continues to recover these costs by including the net book value of stranded meters in its rate base for rate-making purposes, as recommended by the Board in its Decision with Reasons in the Combined Proceeding.

## **14. Smart Meter Rate Rider:**

NBHDL has completed the Smart Meter Model - version 4.0. A copy of the Model is filed with this Application. The model provides the calculation of the Revenue Requirement as a result of the costs incurred by NBHDL. This model provides for the Smart Meter Disposition Rider and the Smart Meter Incremental Revenue Requirement Rate Rider based on all metered customers pay the same amount. The model also provides the calculation of the rate rider on a rate class basis. The rate class allocation method outlined in the Model was used to calculate the Disposition Rate Rider and the Incremental Revenue Requirement Rate Rider.

NBHDL is therefore requesting a one year Smart Meter Disposition Rate Rider of \$1.28 per Residential customer per month and a one year Smart Meter Disposition Rate Rider of \$7.79 per General Service Less Than 50kW customer per month. The calculations of these riders are detailed in the Smart Meter Model - version 4.0, tab 10A. Cost\_Alloc\_SMDR.

NBHDL is also requesting a Smart Meter Incremental Revenue Requirement Rate Rider of \$1.37 per Residential customer per month and \$3.20 per General Service Less Than 50kw customer per month. The calculations of these riders are detailed in the Smart Meter Model - version 4.0, tab 10B. Cost\_Alloc\_SMIR. With regards to rate class allocation NBHDL has determined the average installation cost of a Residential smart meter is \$96.90 and the average installation cost of a General Service < 50 kW smart meter is \$226.01. When these values are applied to 21,045 installed Residential smart meters and 2,629 installed General Service < 50 kW smart meter the resulting rate class weighed smart meter costs are 77% Residential and 23% General Service < 50 kW. The 77%/23% split is used in the calculation of the rate class riders for the Smart Meter Disposition Rate Rider and the Smart Meter Incremental Revenue Requirement Rate Rider.

Regarding revenue from the smart meter funding adder, NBHDL has recorded these revenues by rate class. The Residential class collected 86.67% of the revenue and the General Service < 50 kW class collected 11.19%. As a result, 2.14% was collected from other classes. For the purposes of calculating the Smart Meter Disposition Rate Rider by rate class the 2.14% of revenue from the smart meter funding adder was split evenly between the Residential and General Service < 50 kW classes. This means along with 86.67% of the revenue being allocated to the Residential class another 1.07% was also allocated to this class. Similarly, another 1.07% was allocated to the General Service < 50 kW class in addition to the 11.19%. The resulting 87.74% for the Residential class and 12.26% for the General Service < 50 kW class is used to allocate the smart meter funding adder revenue in the calculation of the rate class riders for the Smart Meter Disposition Rate Rider.

Once these Rate Riders are applied, Residential customers will see an increase of 1.0% on distribution rates and a .2% increase as a total bill impact. General Service <50kW customers will see an increase of 8.7% on the distribution rates and a 1.9% increase as a total bill impact.

## **15. Appendices**

**Appendix 1 Attestation Letter of the Fairness Commissioner**

**Appendix 2 Smart Meter Model – Version 4.0 – an Excel version of this model is also filed separately through the RESS filing system**

## **Conclusion**

NBHDL has worked collaboratively with District 9 LDCs and other LDCs across the Province of Ontario to fulfill the Provincial government's Smart Meter Mandate and assist in creating a culture of conservation. NBHDL has achieved economies of scale where possible and has acted prudently in obtaining best possible pricing. NBHDL submits all costs incurred are justified as set out throughout this Application and respectfully requests recovery through the Rate Riders as submitted.

**All of which is respectfully submitted,**

*Original signed by*

**Todd Wilcox  
Chief Operating Officer  
North Bay Hydro Distribution Ltd.  
705-474-8100 xt: 305  
twilcox@northbayhydro.com**

**APPENDIX “1”**

**ATTESTATION LETTER OF FAIRNESS COMMISSIONER**



# PRP International, Inc.

## *Fairness Advisory Services*

August 15, 2009

Mr. Dave Miller  
Substations & Metering  
Services Supervisor  
North Bay Hydro Distribution Limited  
74 Commerce Crescent, Box 3240  
North Bay, ON P1B 8Y5

Dear Mr. Miller:

Subject: Confirmation of the Fairness Commissioner  
North Bay Hydro Distribution Limited  
– KTI/Sensus Limited Contract Award  
Advanced Metering Infrastructure RFP, August 2007  
London Hydro & Consortium of LDCs Smartmetering Project

PRP International, Inc. is pleased to submit its Confirming Letter of the Fairness Commissioner for the noted negotiations and contracting phase of the LH AMI Request for Proposal (RFP) procurement. This judgment is being provided for the information and use of North Bay Hydro Distribution Limited (“NBHDL”), in its administration of the contract awarded to its #1 ranked Proponent, KTI/Sensus Limited.

*“It is the judgment of PRP International, Inc., as the Fairness Commissioner engaged by NBHDL for the phase of negotiations and contract award pursuant to the Fairness Protocols issued August 2008, that the successful conclusion of negotiations and contract between North Bay Hydro Distribution Limited and KTI/Sensus Limited, were undertaken in accordance with the principle for such negotiations and contract award set out in the RFP, issued August 14, 2007.”*

A backgrounder and summary of the Fairness Protocols is attached and forms part of this Confirming Letter.

Yours truly,

Peter Sorensen  
President  
Attachment: Negotiations and Contract Phase Backgrounder

203 - 8 Queen Street, Summerside, PEI C1N 0A6  
Direct telephone: 902.436.3930 Fax: 604-677-5409  
Email: [fairness@telus.net](mailto:fairness@telus.net)

## **BACKGROUNDER TO FAIRNESS CONFIRMATION / ATTESTATION**

### **Advanced Metering Infrastructure Procurement**

#### **TO WHOM IT MAY CONCERN:**

##### **Background:**

- A Request for Proposal procurement transaction was conducted by London Hydro Inc., as the lead sponsoring Local Distribution Company (LDC) and with a consortia of another 63 LDCs, during the period August 2007 to July, 2008;
- The evaluation and selection phase of the RFP provided for the determination of the #1 and #2 ranked Proponents for each LDC;
- RFP Provision 7.5.14<sup>1</sup> provides the framework (principle) for negotiations and contracting based on the principle of “first right to negotiation and execution of a contract” being accorded to the ranked order of Proponents commencing with the highest ranked Proponent and proceeding in a consecutive order thereafter; and
- Each LDC was provided the evaluation results for their #1 and #2 ranked Proponents supported by the Attestation Letter of the Fairness Commissioner as to those rankings.

##### **Fairness Coverage Objective:**

Normally, fairness coverage terminates with the determination of the ranked Proponents following the evaluation and selection phase of the RFP; however, certain LDCs expressed a wish to secure additional fairness coverage during the subsequent phase of negotiations and contract award. The objective for this second phase fairness coverage is to assure that LDCs undertook a phase of negotiations and contracting that meets the RFP provisions of consecutive negotiations where required, e.g. with their top two ranked Proponents and in the event of unsuccessful negotiations with the #1 ranked Proponent, a subsequent contract award to the next ranked Proponent would be on an equitable basis as was the requirements in the negotiations with the #1 ranked Proponent.

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##### **7.5.14 Final Contract Negotiations**

Any conditions and provisions that a bidder seeks shall be a part of this proposal. Notwithstanding, nothing herein shall be interpreted to prohibit London Hydro from introducing or modifying contract terms and conditions during negotiation of the final contract.

London Hydro has scheduled no more than two weeks for contract negotiations (if necessary), and expects the successful bidder to maintain a prompt and responsive negotiation to accomplish and complete final contract agreement within that time period. If contract negotiations exceed an interval acceptable to London Hydro, London Hydro retains the option to terminate negotiations and continue to the next apparent successful bidder, at the sole discretion of London Hydro. Said interval shall in no event be less than three weeks.

<sup>1</sup>

## **BACKGROUNDER TO FAIRNESS CONFIRMATION / ATTESTATION**

### **Advanced Metering Infrastructure Procurement**

#### **Fairness Protocols:**

- A Fairness Protocol was developed and issued to all LDCs, in August 2008 that set forth the best practices for fair consecutive-based negotiations and contract award.
  - The fundamental principle of the Protocol was the requirement for the LDC to establish the negotiations agenda for their top ranked Proponents and submit a copy to the Fairness Commissioner prior to engagement of their #1 ranked Proponent, i.e. the agenda would demonstrate a common statement of work, a LDC standard for pass/fail in their negotiations and the negotiation issues would only differ to the extent of the respective Proponent's technical solution being offered.

#### **Form of Fairness Confirmation / Attestation<sup>2</sup>:**

1. A confirmation of fair negotiations and contract award would be issued if the LDC's #1 ranked Proponent was awarded a contract; the original Attestation Letter remains in effect.
2. An Attestation of fair negotiations and contract award would be issued if the LDC determined that their #1 Proponent was to be set aside and the LDC successfully contracted with their next ranked Proponent, e.g. their #2; the original Attestation Letter is thus superseded by the Negotiations and Contract Award Attestation Letter.

#### **Local Distribution Company:**

##### **North Bay Hydro Distribution Limited**

Mr. Dave Miller  
Substations & Metering  
Services Supervisor  
North Bay Hydro Distribution Ltd.  
74 Commerce Crescent, Box 3240  
North Bay, ON P1B 8Y5

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#### <sup>2</sup> **Conditions on the rendering of this Confirmation / Attestation.**

- The two Negotiations Agenda were provided by NBHDL, via its agent Util-Assist;
- Fairness Commissioner undertook no direct participation or oversight in the negotiations between NBHDL and their #1 ranked Proponent;
- The successful contract award was based on the NBHDL criteria and no independent analysis nor any comparison with the evaluation results of the RFP process was carried out by the Fairness Commissioner; and
- The confirmation of the Fairness Commissioner was based on the progress report(s) provided by NBHDL, via its agent Util-Assist.



## **APPENDIX “2”**

### **SMART METER MODEL – VERSION 4.0**



## Smart Meter Model for Electricity Distributors (2014 Filers)

Version 4.00

Utility Name	North Bay Hydro Distribution Limited
Assigned EB Number	EB-2013-0157
Name and Title	Melissa Casson, Regulatory Manager
Phone Number	705-474-8100 xt: 300
Email Address	mcasson@northbayhydro.com
Date	30-Aug-13
Last COS Re-based Year	2010

**Note:** Drop-down lists are shaded blue; Input cells are shaded green.

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.

While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results. The use of any models and spreadsheets does not automatically imply Board approval. The onus is on the distributor to prepare, document and support its application. Board-issued Excel models and spreadsheets are offered to assist parties in providing the necessary information so as to facilitate an expeditious review of an application. The onus remains on the applicant to ensure the accuracy of the data and the results.



## Smart Meter Model for Electricity Distributors (2014 Filers)

Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.

For 2014, distributors that have completed their deployments by the end of 2013 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2014, distributors should enter the forecasted OM&A for 2014 for all smart meters in service.

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
<b>Smart Meter Capital Cost and Operational Expense Data</b>										
<b>Smart Meter Installation Plan</b>										
<b>Actual/Planned number of Smart Meters installed during the Calendar Year</b>										
Residential	0	0	0	18,050	3,005	23		174		21252
General Service < 50 kW	0	0	0		1,583	160	100	826		2669
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)	0	0	0	18050	4588	183	100	1000	0	23921
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed	0.00%	0.00%	0.00%	75.46%	94.64%	95.40%	95.82%	100.00%	0.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed	0	0	0	0	0	0	0	0	0	0
Other (please identify)	0	0	0	0	0	0	0	0	0	0
Total Number of Smart Meters installed or planned to be installed	0	0	0	18050	4588	183	100	1000	0	23921
<b>1 Capital Costs</b>										
<b>1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)</b>										
<div>Asset Type</div> <div>Asset type must be selected to enable calculations</div>										
1.1.1 Smart Meters (may include new meters and modules, etc.)	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter				1,650,599	294,265		30,481	478,828		\$ 2,454,173
1.1.2 Installation Costs (may include socket kits, labour, vehicle, benefits, etc.)				208,465	51,385	22,827		7,694		\$ 290,370
1.1.3a Workforce Automation Hardware (may include fieldwork handhelds, barcode hardware, etc.)					2,700	290				\$ 2,990
1.1.3b Workforce Automation Software (may include fieldwork handhelds, barcode hardware, etc.)										\$ -
<b>Total Advanced Metering Communications Devices (AMCD)</b>	\$ -	\$ -	\$ -	\$ 1,859,064	\$ 348,350	\$ 23,117	\$ 30,481	\$ 486,522	\$ -	\$ 2,747,534
<b>1.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)</b>										
Asset Type										
1.2.1 Collectors	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Smart Meter				289,648	2,621	1,285	579			\$ 294,133
1.2.2 Repeaters (may include radio licence, etc.)										\$ -
1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.)										\$ -
<b>Total Advanced Metering Regional Collector (AMRC) (includes LAN)</b>	\$ -	\$ -	\$ -	\$ 289,648	\$ 2,621	\$ 1,285	\$ 579	\$ -	\$ -	\$ 294,133
<b>1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)</b>										
Asset Type										
1.3.1 Computer Hardware	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
Computer Hardware				2,333	1,930			4,774		\$ 9,037
1.3.2 Computer Software				29,953	1,242	30,288	13,644			\$ 75,126
1.3.3 Computer Software Licences & Installation (includes hardware and software) (may include AS/400 disk space, backup and recovery computer, UPS, etc.)										\$ -
<b>Total Advanced Metering Control Computer (AMCC)</b>	\$ -	\$ -	\$ -	\$ 32,286	\$ 3,171	\$ 30,288	\$ 13,644	\$ 4,774	\$ -	\$ 84,163
<b>1.4 WIDE AREA NETWORK (WAN)</b>										
Asset Type										
1.4.1 Activation Fees										\$ -
<b>Total Wide Area Network (WAN)</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



## Electricity Distributors (2014 Filers)

Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.

For 2014, distributors that have completed their deployments by the end of 2013 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2014, distributors should enter the forecasted OM&A for 2014 for all smart meters in service.

		2006	2007	2008	2009	2010	2011	2012	2013	2014	Total
		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
<b>Smart Meter Capital Cost and Operational Expense Data</b>											
<b>Asset Type</b>											
<b>1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY</b>		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
1.5.1 Customer Equipment <i>(including repair of damaged equipment)</i>	Smart Meter					5,897					\$ 5,897
1.5.2 AMI Interface to CIS	Smart Meter					16,401					\$ 16,401
1.5.3 Professional Fees	Smart Meter	6,521	29,892	29,618	37,932	34,067	15,800				\$ 153,830
1.5.4 Integration	Smart Meter						30,750				\$ 30,750
1.5.5 Program Management	Smart Meter				31,077		34,500				\$ 65,577
1.5.6 Other AMI Capital	Other Equipment							31,395			\$ 31,395
<b>Total Other AMI Capital Costs Related to Minimum Functionality</b>		\$ 6,521	\$ 29,892	\$ 29,618	\$ 69,009	\$ 56,365	\$ 81,050	\$ 31,395	\$ -	\$ -	\$ 303,849
<b>Total Capital Costs Related to Minimum Functionality</b>		\$ 6,521	\$ 29,892	\$ 29,618	\$ 2,250,006	\$ 410,507	\$ 135,740	\$ 76,099	\$ 491,296	\$ -	\$ 3,429,679
<b>Asset Type</b>											
<b>1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY</b>		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
<i>(Please provide a descriptive title and identify nature of beyond minimum functionality costs)</i>											
1.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06											\$ -
1.6.2 Costs for deployment of smart meters to customers other than residential and small general service											\$ -
1.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.											\$ -
<b>Total Capital Costs Beyond Minimum Functionality</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Smart Meter Capital Costs</b>		\$ 6,521	\$ 29,892	\$ 29,618	\$ 2,250,006	\$ 410,507	\$ 135,740	\$ 76,099	\$ 491,296	\$ -	\$ 3,429,679
<b>2 OM&amp;A Expenses</b>											
<b>2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)</b>		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
2.1.1 Maintenance <i>(may include meter reverification costs, etc.)</i>					3,988		637	2,991			\$ 7,616
2.1.2 Other <i>(please specify)</i>											\$ -
<b>Total Incremental AMCD OM&amp;A Costs</b>		\$ -	\$ -	\$ -	\$ 3,988	\$ -	\$ 637	\$ 2,991	\$ -	\$ -	\$ 7,616
<b>2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)</b>											
2.2.1 Maintenance							19,750				\$ 19,750
2.2.2 Other <i>(please specify)</i>											\$ -
<b>Total Incremental AMRC OM&amp;A Costs</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,750	\$ -	\$ -	\$ -	\$ 19,750
<b>2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)</b>											
2.3.1 Hardware Maintenance <i>(may include server support, etc.)</i>											\$ -
2.3.2 Software Maintenance <i>(may include maintenance support, etc.)</i>						81,928	107,198				\$ 189,126
2.3.2 Other <i>(please specify)</i>											\$ -
<b>Total Incremental AMCC OM&amp;A Costs</b>		\$ -	\$ -	\$ -	\$ -	\$ 81,928	\$ 107,198	\$ -	\$ -	\$ -	\$ 189,126
<b>2.4 WIDE AREA NETWORK (WAN)</b>											
2.4.1 WAN Maintenance					8,363	6,402	2,824				\$ 17,590
2.4.2 Other <i>(please specify)</i>											\$ -
<b>Total Incremental AMRC OM&amp;A Costs</b>		\$ -	\$ -	\$ -	\$ 8,363	\$ 6,402	\$ 2,824	\$ -	\$ -	\$ -	\$ 17,590



## Electricity Distributors (2014 Filers)

Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.

For 2014, distributors that have completed their deployments by the end of 2013 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2014, distributors should enter the forecasted OM&A for 2014 for all smart meters in service.

		2006	2007	2008	2009	2010	2011	2012	2013	2014	Total
		Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	
<b>Smart Meter Capital Cost and Operational Expense Data</b>											
<b>2.5 OTHER AMI OM&amp;A COSTS RELATED TO MINIMUM FUNCTIONALITY</b>											
2.5.1	Business Process Redesign				24,781						\$ 24,781
2.5.2	Customer Communication (may include project communication, etc.)			1,390	50,886	11,640	13,406				\$ 77,322
2.5.3	Program Management						388				\$ 388
2.5.4	Change Management (may include training, etc.)		7,734	272	5,594	891	5,334				\$ 19,825
2.5.5	Administration Costs				29,714		16,693				\$ 46,407
2.5.6	Other AMI Expenses <i>(please specify)</i>						9,732				\$ 9,732
<b>Total Other AMI OM&amp;A Costs Related to Minimum Functionality</b>		\$ -	\$ 7,734	\$ 1,662	\$ 110,974	\$ 12,531	\$ 45,553	\$ -	\$ -	\$ -	\$ 178,455
<b>TOTAL OM&amp;A COSTS RELATED TO MINIMUM FUNCTIONALITY</b>		\$ -	\$ 7,734	\$ 1,662	\$ 123,325	\$ 100,862	\$ 175,963	\$ 2,991	\$ -	\$ -	\$ 412,537
<b>2.6 OM&amp;A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY</b> <i>(Please provide a descriptive title and identify nature of beyond minimum functionality costs)</i>											
2.6.1	Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	Forecast	\$ -
2.6.2	Costs for deployment of smart meters to customers other than residential and small general service										\$ -
2.6.3	Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.										\$ -
<b>Total OM&amp;A Costs Beyond Minimum Functionality</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Smart Meter OM&amp;A Costs</b>		\$ -	\$ 7,734	\$ 1,662	\$ 123,325	\$ 100,862	\$ 175,963	\$ 2,991	\$ -	\$ -	\$ 412,537
<b>3 Aggregate Smart Meter Costs by Category</b>											
3.1	<b>Capital</b>										
3.1.1	Smart Meter	\$ 6,521	\$ 29,892	\$ 29,618	\$ 2,217,720	\$ 407,336	\$ 105,453	\$ 31,060	\$ 486,522	\$ -	\$ 3,314,121
3.1.2	Computer Hardware	\$ -	\$ -	\$ -	\$ 2,333	\$ 1,930	\$ -	\$ -	\$ 4,774	\$ -	\$ 9,037
3.1.3	Computer Software	\$ -	\$ -	\$ -	\$ 29,953	\$ 1,242	\$ 30,288	\$ 13,644	\$ -	\$ -	\$ 75,126
3.1.4	Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.5	Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,395	\$ -	\$ -	\$ 31,395
3.1.6	Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3.1.7	<b>Total Capital Costs</b>	\$ 6,521	\$ 29,892	\$ 29,618	\$ 2,250,006	\$ 410,507	\$ 135,740	\$ 76,099	\$ 491,296	\$ -	\$ 3,429,679
3.2	<b>OM&amp;A Costs</b>										
3.2.1	<b>Total OM&amp;A Costs</b>	\$ -	\$ 7,734	\$ 1,662	\$ 123,325	\$ 100,862	\$ 175,963	\$ 2,991	\$ -	\$ -	\$ 412,537



## Smart Meter Model for Electricity Distributors (2014 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Cost of Capital</b>									
<b>Capital Structure<sup>1</sup></b>									
Deemed Short-term Debt Capitalization					4.0%	4.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	50.0%	50.0%	53.3%	56.7%	56.0%	56.0%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	50.0%	50.0%	46.7%	43.3%	40.0%	40.0%	40.0%	40.0%	40.0%
Preferred Shares									
<b>Total</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Cost of Capital Parameters</b>									
Deemed Short-term Debt Rate					2.07%	2.07%	2.07%	2.07%	2.07%
Long-term Debt Rate (actual/embedded/deemed) <sup>2</sup>	6.25%	6.25%	5.00%	5.00%	4.96%	4.96%	4.96%	4.96%	4.96%
Target Return on Equity (ROE)	9.0%	9.00%	9.00%	9.00%	9.85%	9.85%	9.85%	9.85%	9.85%
Return on Preferred Shares									
<b>WACC</b>	7.63%	7.63%	6.87%	6.73%	6.80%	6.80%	6.80%	6.80%	6.80%
<b>Working Capital Allowance</b>									
Working Capital Allowance Rate ( <i>% of the sum of Cost of Power + controllable expenses</i> )	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
<b>Taxes/PILs</b>									
Aggregate Corporate Income Tax Rate	36.12%	36.12%	33.50%	33.00%	28.72%	28.25%	24.79%	26.50%	26.50%
Capital Tax (until July 1st, 2010)	0.30%	0.225%	0.225%	0.225%	0.075%	0.00%	0.00%	0.00%	0.00%



## Smart Meter Model for Electricity Distributors (2014 Filers)

### Depreciation Rates

(expressed as expected useful life in years)

Smart Meters - years  
- rate (%)

Computer Hardware - years  
- rate (%)

Computer Software - years  
- rate (%)

Tools & Equipment - years  
- rate (%)

Other Equipment - years  
- rate (%)

	2006	2007	2008	2009	2010	2011	2012	2013	2014
Smart Meters - years	15	15	15	15	15	15	15	15	15
- rate (%)	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Computer Hardware - years	5	5	5	5	5	5	5	5	5
- rate (%)	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Computer Software - years	5	5	5	5	5	5	5	5	5
- rate (%)	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Tools & Equipment - years									
- rate (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other Equipment - years	45	45	45	45	45	45	45	45	45
- rate (%)	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%

### CCA Rates

Smart Meters - CCA Class

Smart Meters - CCA Rate

Computer Equipment - CCA Class

Computer Equipment - CCA Rate

General Equipment - CCA Class

General Equipment - CCA Rate

Applications Software - CCA Class

Applications Software - CCA Rate

Smart Meters - CCA Class	47	47	47	47	47	47	47	47	47
Smart Meters - CCA Rate	8%	8%	8%	8%	8%	8%	8%	8%	8%
Computer Equipment - CCA Class	52	52	52	52	52	52	52	52	52
Computer Equipment - CCA Rate	100%	100%	100%	100%	100%	100%	100%	100%	100%
General Equipment - CCA Class	8	8	8	8	8	8	8	8	8
General Equipment - CCA Rate	20%	20%	20%	20%	20%	20%	20%	20%	20%
Applications Software - CCA Class									
Applications Software - CCA Rate									

### Assumptions

<sup>1</sup> Planned smart meter installations occur evenly throughout the year.

<sup>2</sup> Fiscal calendar year (January 1 to December 31) used.

<sup>3</sup> Amortization is done on a straight line basis and has the "half-year" rule applied.



## Smart Meter Model for Electricity Distributors (2014 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Net Fixed Assets - Smart Meters</b>									
<b>Gross Book Value</b>									
Opening Balance		\$ 6,521	\$ 36,413	\$ 66,031	\$ 2,283,751	\$ 2,691,087	\$ 2,796,539	\$ 2,827,599	\$ 3,314,121
Capital Additions during year (from Smart Meter Costs)	\$ 6,521	\$ 29,892	\$ 29,618	\$ 2,217,720	\$ 407,336	\$ 105,453	\$ 31,060	\$ 486,522	\$ -
Retirements/Removals (if applicable)									
Closing Balance	\$ 6,521	\$ 36,413	\$ 66,031	\$ 2,283,751	\$ 2,691,087	\$ 2,796,539	\$ 2,827,599	\$ 3,314,121	\$ 3,314,121
<b>Accumulated Depreciation</b>									
Opening Balance		-\$ 217	-\$ 1,648	-\$ 5,063	-\$ 83,389	-\$ 249,217	-\$ 432,138	-\$ 619,609	-\$ 824,333
Amortization expense during year	-\$ 217	-\$ 1,431	-\$ 3,415	-\$ 78,326	-\$ 165,828	-\$ 182,921	-\$ 187,471	-\$ 204,724	-\$ 220,941
Retirements/Removals (if applicable)									
Closing Balance	-\$ 217	-\$ 1,648	-\$ 5,063	-\$ 83,389	-\$ 249,217	-\$ 432,138	-\$ 619,609	-\$ 824,333	-\$ 1,045,275
<b>Net Book Value</b>									
Opening Balance	\$ -	\$ 6,303	\$ 34,765	\$ 60,968	\$ 2,200,362	\$ 2,441,870	\$ 2,364,401	\$ 2,207,990	\$ 2,489,788
Closing Balance	\$ 6,303	\$ 34,765	\$ 60,968	\$ 2,200,362	\$ 2,441,870	\$ 2,364,401	\$ 2,207,990	\$ 2,489,788	\$ 2,268,846
Average Net Book Value	\$ 3,152	\$ 20,534	\$ 47,866	\$ 1,130,665	\$ 2,321,116	\$ 2,403,135	\$ 2,286,196	\$ 2,348,889	\$ 2,379,317
<b>Net Fixed Assets - Computer Hardware</b>									
<b>Gross Book Value</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 2,333	\$ 4,263	\$ 4,263	\$ 4,263	\$ 9,037
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 2,333	\$ 1,930	\$ -	\$ -	\$ 4,774	\$ -
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	\$ 2,333	\$ 4,263	\$ 4,263	\$ 4,263	\$ 9,037	\$ 9,037
<b>Accumulated Depreciation</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	-\$ 233	-\$ 893	-\$ 1,746	-\$ 2,598	-\$ 3,928
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 233	-\$ 660	-\$ 853	-\$ 853	-\$ 1,330	-\$ 1,807
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	-\$ 233	-\$ 893	-\$ 1,746	-\$ 2,598	-\$ 3,928	-\$ 5,736
<b>Net Book Value</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 2,100	\$ 3,370	\$ 2,517	\$ 1,665	\$ 5,109
Closing Balance	\$ -	\$ -	\$ -	\$ 2,100	\$ 3,370	\$ 2,517	\$ 1,665	\$ 5,109	\$ 3,302
Average Net Book Value	\$ -	\$ -	\$ -	\$ 1,050	\$ 2,735	\$ 2,944	\$ 2,091	\$ 3,387	\$ 4,205
<b>Net Fixed Assets - Computer Software (including Applications Software)</b>									
<b>Gross Book Value</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 29,953	\$ 31,194	\$ 61,482	\$ 75,126	\$ 75,126
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 29,953	\$ 1,242	\$ 30,288	\$ 13,644	\$ -	\$ -
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	\$ 29,953	\$ 31,194	\$ 61,482	\$ 75,126	\$ 75,126	\$ 75,126
<b>Accumulated Depreciation</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	-\$ 2,995	-\$ 9,110	-\$ 18,378	-\$ 32,038	-\$ 47,063
Amortization expense during year	\$ -	\$ -	\$ -	-\$ 2,995	-\$ 6,115	-\$ 9,268	-\$ 13,661	-\$ 15,025	-\$ 15,025
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	-\$ 2,995	-\$ 9,110	-\$ 18,378	-\$ 32,038	-\$ 47,063	-\$ 62,089
<b>Net Book Value</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 26,957	\$ 22,084	\$ 43,104	\$ 43,087	\$ 28,062
Closing Balance	\$ -	\$ -	\$ -	\$ 26,957	\$ 22,084	\$ 43,104	\$ 43,087	\$ 28,062	\$ 13,037
Average Net Book Value	\$ -	\$ -	\$ -	\$ 13,479	\$ 24,521	\$ 32,594	\$ 43,096	\$ 35,575	\$ 20,550





## Smart Meter Model for Electricity Distributors (2014 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Net Fixed Assets - Tools and Equipment</b>									
<b>Gross Book Value</b>									
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Accumulated Depreciation</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Book Value</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Fixed Assets - Other Equipment</b>									
<b>Gross Book Value</b>									
Opening Balance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,395	\$ 31,395
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,395	\$ -	\$ -
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,395	\$ 31,395	\$ 31,395
<b>Accumulated Depreciation</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 349	\$ 1,046
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 349	\$ 698	\$ 698
Retirements/Removals (if applicable)									
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 349	\$ 1,046	\$ 1,744
<b>Net Book Value</b>									
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,046	\$ 30,348
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,046	\$ 30,348	\$ 29,651
Average Net Book Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,523	\$ 30,697	\$ 29,999



## Smart Meter Model for Electricity Distributors (2014 Filers)

	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Average Net Fixed Asset Values (from Sheet 4)</b>									
Smart Meters	\$ 3,152	\$ 20,534	\$ 47,866	\$ 1,130,665	\$ 2,321,116	\$ 2,403,135	\$ 2,286,196	\$ 2,348,889	\$ 2,379,317
Computer Hardware	\$ -	\$ -	\$ -	\$ 1,050	\$ 2,735	\$ 2,944	\$ 2,091	\$ 3,387	\$ 4,205
Computer Software	\$ -	\$ -	\$ -	\$ 13,479	\$ 24,521	\$ 32,594	\$ 43,096	\$ 35,575	\$ 20,550
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,523	\$ 30,697	\$ 29,999	\$ 29,999
<b>Total Net Fixed Assets</b>	<b>\$ 3,152</b>	<b>\$ 20,534</b>	<b>\$ 47,866</b>	<b>\$ 1,145,193</b>	<b>\$ 2,348,372</b>	<b>\$ 2,438,673</b>	<b>\$ 2,346,905</b>	<b>\$ 2,418,548</b>	<b>\$ 2,434,072</b>
<b>Working Capital</b>									
Operating Expenses (from Sheet 2)	\$ -	\$ 7,734	\$ 1,662	\$ 123,325	\$ 100,862	\$ 175,963	\$ 2,991	\$ -	\$ -
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ 1,160	\$ 249	\$ 18,499	\$ 15,129	\$ 26,394	\$ 449	\$ -	\$ -
<b>Incremental Smart Meter Rate Base</b>	<b>\$ 3,152</b>	<b>\$ 21,694</b>	<b>\$ 48,115</b>	<b>\$ 1,163,692</b>	<b>\$ 2,363,501</b>	<b>\$ 2,465,068</b>	<b>\$ 2,347,354</b>	<b>\$ 2,418,548</b>	<b>\$ 2,434,072</b>
<b>Return on Rate Base</b>									
<b>Capital Structure</b>									
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 94,540	\$ 98,603	\$ 93,894	\$ 96,742	\$ 97,363
Deemed Long Term Debt	\$ 1,576	\$ 10,847	\$ 25,646	\$ 659,813	\$ 1,323,560	\$ 1,380,438	\$ 1,314,518	\$ 1,354,387	\$ 1,363,080
Equity	\$ 1,576	\$ 10,847	\$ 22,470	\$ 503,879	\$ 945,400	\$ 986,027	\$ 938,942	\$ 967,419	\$ 973,629
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Capitalization</b>	<b>\$ 3,152</b>	<b>\$ 21,694</b>	<b>\$ 48,115</b>	<b>\$ 1,163,692</b>	<b>\$ 2,363,501</b>	<b>\$ 2,465,068</b>	<b>\$ 2,347,354</b>	<b>\$ 2,418,548</b>	<b>\$ 2,434,072</b>
<b>Return on</b>									
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 1,957	\$ 2,041	\$ 1,944	\$ 2,003	\$ 2,015
Deemed Long Term Debt	\$ 98	\$ 678	\$ 1,282	\$ 32,991	\$ 65,649	\$ 68,470	\$ 65,200	\$ 67,178	\$ 67,609
Equity	\$ 142	\$ 976	\$ 2,022	\$ 45,349	\$ 93,122	\$ 97,124	\$ 92,486	\$ 95,291	\$ 95,902
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Return on Capital</b>	<b>\$ 240</b>	<b>\$ 1,654</b>	<b>\$ 3,305</b>	<b>\$ 78,340</b>	<b>\$ 160,728</b>	<b>\$ 167,634</b>	<b>\$ 159,629</b>	<b>\$ 164,471</b>	<b>\$ 165,527</b>
<b>Operating Expenses</b>	<b>\$ -</b>	<b>\$ 7,734</b>	<b>\$ 1,662</b>	<b>\$ 123,325</b>	<b>\$ 100,862</b>	<b>\$ 175,963</b>	<b>\$ 2,991</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Amortization Expenses (from Sheet 4)</b>									
Smart Meters	\$ 217	\$ 1,431	\$ 3,415	\$ 78,326	\$ 165,828	\$ 182,921	\$ 187,471	\$ 204,724	\$ 220,941
Computer Hardware	\$ -	\$ -	\$ -	\$ 233	\$ 660	\$ 853	\$ 853	\$ 1,330	\$ 1,807
Computer Software	\$ -	\$ -	\$ -	\$ 2,995	\$ 6,115	\$ 9,268	\$ 13,661	\$ 15,025	\$ 15,025
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 349	\$ 698	\$ 698
<b>Total Amortization Expense in Year</b>	<b>\$ 217</b>	<b>\$ 1,431</b>	<b>\$ 3,415</b>	<b>\$ 81,555</b>	<b>\$ 172,602</b>	<b>\$ 193,041</b>	<b>\$ 202,333</b>	<b>\$ 221,777</b>	<b>\$ 238,472</b>
<b>Incremental Revenue Requirement before Taxes/PILs</b>	<b>\$ 458</b>	<b>\$ 10,820</b>	<b>\$ 8,382</b>	<b>\$ 283,219</b>	<b>\$ 434,191</b>	<b>\$ 536,639</b>	<b>\$ 364,954</b>	<b>\$ 386,248</b>	<b>\$ 403,998</b>
<b>Calculation of Taxable Income</b>									
Incremental Operating Expenses	\$ -	\$ 7,734	\$ 1,662	\$ 123,325	\$ 100,862	\$ 175,963	\$ 2,991	\$ -	\$ -
Amortization Expense	\$ 217	\$ 1,431	\$ 3,415	\$ 81,555	\$ 172,602	\$ 193,041	\$ 202,333	\$ 221,777	\$ 238,472
Interest Expense	\$ 98	\$ 678	\$ 1,282	\$ 32,991	\$ 67,606	\$ 70,511	\$ 67,144	\$ 69,180	\$ 69,624
<b>Net Income for Taxes/PILs</b>	<b>\$ 142</b>	<b>\$ 976</b>	<b>\$ 2,022</b>	<b>\$ 45,349</b>	<b>\$ 93,122</b>	<b>\$ 97,124</b>	<b>\$ 92,486</b>	<b>\$ 95,291</b>	<b>\$ 95,902</b>
<b>Grossed-up Taxes/PILs (from Sheet 7)</b>	<b>\$ 74.52</b>	<b>\$ 480.18</b>	<b>\$ 890.76</b>	<b>\$ 13,508.19</b>	<b>\$ 24,798.89</b>	<b>\$ 30,382.81</b>	<b>\$ 27,583.97</b>	<b>\$ 39,789.27</b>	<b>\$ 47,413.21</b>
<b>Revenue Requirement, including Grossed-up Taxes/PILs</b>	<b>\$ 532</b>	<b>\$ 11,300</b>	<b>\$ 9,272</b>	<b>\$ 296,727</b>	<b>\$ 458,990</b>	<b>\$ 567,021</b>	<b>\$ 392,538</b>	<b>\$ 426,037</b>	<b>\$ 451,412</b>



## Smart Meter Model for Electricity Distributors (2014 Filers)

### For PILs Calculation

#### UCC - Smart Meters

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Audited Actual	2013 Forecast	2014 Forecast
Opening UCC	\$ -	\$ 6,260.03	\$ 34,455.68	\$ 60,132.39	\$ 2,184,333.39	\$ 2,400,628.81	\$ 2,309,813.04	\$ 2,154,845.51	\$ 2,449,518.95
Capital Additions	\$ 6,520.86	\$ 29,892.14	\$ 29,617.88	\$ 2,217,720.41	\$ 407,335.51	\$ 105,452.64	\$ 31,059.91	\$ 486,521.96	\$ -
Retirements/Removals (if applicable)									
UCC Before Half Year Rule	\$ 6,520.86	\$ 36,152.17	\$ 64,073.56	\$ 2,277,852.80	\$ 2,591,668.90	\$ 2,506,081.45	\$ 2,340,872.95	\$ 2,641,367.47	\$ 2,449,518.95
Half Year Rule (1/2 Additions - Disposals)	\$ 3,260.43	\$ 14,946.07	\$ 14,808.94	\$ 1,108,860.21	\$ 203,667.76	\$ 52,726.32	\$ 15,529.96	\$ 243,260.98	\$ -
Reduced UCC	\$ 3,260.43	\$ 21,206.10	\$ 49,264.62	\$ 1,168,992.59	\$ 2,388,001.15	\$ 2,453,355.13	\$ 2,325,342.99	\$ 2,398,106.49	\$ 2,449,518.95
CCA Rate Class	47	47	47	47	47	47	47	47	47
CCA Rate	8%	8%	8%	8%	8%	8%	8%	8%	8%
CCA	\$ 260.83	\$ 1,696.49	\$ 3,941.17	\$ 93,519.41	\$ 191,040.09	\$ 196,268.41	\$ 186,027.44	\$ 191,848.52	\$ 195,961.52
Closing UCC	\$ 6,260.03	\$ 34,455.68	\$ 60,132.39	\$ 2,184,333.39	\$ 2,400,628.81	\$ 2,309,813.04	\$ 2,154,845.51	\$ 2,449,518.95	\$ 2,253,557.43

#### UCC - Computer Equipment

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Audited Actual	2013 Forecast	2014 Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ 16,143.03	\$ 1,585.60	\$ 15,143.78	\$ 6,821.98	\$ 2,387.22
Capital Additions Computer Hardware	\$ -	\$ -	\$ -	\$ 2,333.40	\$ 1,929.62	\$ -	\$ -	\$ 4,774.43	\$ -
Capital Additions Computer Software	\$ -	\$ -	\$ -	\$ 29,952.65	\$ 1,241.58	\$ 30,287.55	\$ 13,643.95	\$ -	\$ -
Retirements/Removals (if applicable)									
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 32,286.05	\$ 19,314.23	\$ 31,873.15	\$ 28,787.73	\$ 11,596.41	\$ 2,387.22
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ 16,143.03	\$ 1,585.60	\$ 15,143.78	\$ 6,821.98	\$ 2,387.22	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 16,143.03	\$ 17,728.63	\$ 16,729.38	\$ 21,965.75	\$ 9,209.19	\$ 2,387.22
CCA Rate Class	52	52	52	52	52	52	52	52	52
CCA Rate	100%	100%	100%	100%	100%	100%	100%	100%	100%
CCA	\$ -	\$ -	\$ -	\$ 16,143.03	\$ 17,728.63	\$ 16,729.38	\$ 21,965.75	\$ 9,209.19	\$ 2,387.22
Closing UCC	\$ -	\$ -	\$ -	\$ 16,143.03	\$ 1,585.60	\$ 15,143.78	\$ 6,821.98	\$ 2,387.22	\$ -

#### UCC - General Equipment

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Audited Actual	2013 Forecast	2014 Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,255.19	\$ 22,604.15
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,394.65	\$ -	\$ -
Retirements/Removals (if applicable)									
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,394.65	\$ 28,255.19	\$ 22,604.15
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,697.33	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,697.33	\$ 28,255.19	\$ 22,604.15
CCA Rate Class	8	8	8	8	8	8	8	8	8
CCA Rate	20%	20%	20%	20%	20%	20%	20%	20%	20%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,139.47	\$ 5,651.04	\$ 4,520.83
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,255.19	\$ 22,604.15	\$ 18,083.32



## Smart Meter Model for Electricity Distributors (2014 Filers)

### For PILs Calculation

#### UCC - Smart Meters

#### UCC - Applications Software

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Audited Actual	2013 Forecast	2014 Forecast
	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Audited Actual	2013 Forecast	2014 Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retirements/Removals (if applicable)									
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	0	0	0	0	0	0	0	0	0
CCA Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%
CCA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



## Smart Meter Model for Electricity Distributors (2014 Filers)

### PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 Audited Actual	2013 Forecast	2014 Forecast
<b>INCOME TAX</b>									
Net Income	\$ 141.83	\$ 976.24	\$ 2,022.29	\$ 45,349.09	\$ 93,121.93	\$ 97,123.67	\$ 92,485.75	\$ 95,290.78	\$ 95,902.42
Amortization	\$ 217.36	\$ 1,431.13	\$ 3,414.80	\$ 81,554.68	\$ 172,602.27	\$ 193,041.08	\$ 202,333.48	\$ 221,776.87	\$ 238,471.72
CCA - Smart Meters	-\$ 260.83	-\$ 1,696.49	-\$ 3,941.17	-\$ 93,519.41	-\$ 191,040.09	-\$ 196,268.41	-\$ 186,027.44	-\$ 191,848.52	-\$ 195,961.52
CCA - Computers	\$ -	\$ -	\$ -	\$ 16,143.03	\$ 17,728.63	\$ 16,729.38	\$ 21,965.75	\$ 9,209.19	\$ 2,387.22
CCA - Applications Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,139.47	\$ 5,651.04	\$ 4,520.83
Change in taxable income	\$ 98.36	\$ 710.88	\$ 1,495.92	\$ 17,241.33	\$ 56,955.48	\$ 77,166.97	\$ 83,686.57	\$ 110,358.91	\$ 131,504.58
Tax Rate (from Sheet 3)	36.12%	36.12%	33.50%	33.00%	28.72%	28.25%	24.79%	26.50%	26.50%
Income Taxes Payable	\$ 35.53	\$ 256.77	\$ 501.13	\$ 5,689.64	\$ 16,357.61	\$ 21,799.67	\$ 20,745.90	\$ 29,245.11	\$ 34,848.71
<b>ONTARIO CAPITAL TAX</b>									
Smart Meters	\$ 6,303.50	\$ 34,764.51	\$ 60,967.59	\$ 2,200,361.93	\$ 2,441,869.50	\$ 2,364,401.27	\$ 2,207,989.89	\$ 2,489,787.82	\$ 2,268,846.40
Computer Hardware	\$ -	\$ -	\$ -	\$ 2,100.06	\$ 3,370.04	\$ 2,517.43	\$ 1,664.83	\$ 5,109.21	\$ 3,301.72
Computer Software (Including Application Software)	\$ -	\$ -	\$ -	\$ 26,957.39	\$ 22,084.28	\$ 43,104.23	\$ 43,087.43	\$ 28,062.28	\$ 13,037.13
Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,045.82	\$ 30,348.16	\$ 29,650.50
Rate Base	\$ 6,303.50	\$ 34,764.51	\$ 60,967.59	\$ 2,229,419.38	\$ 2,467,323.82	\$ 2,410,022.93	\$ 2,283,787.96	\$ 2,553,307.48	\$ 2,314,835.76
Less: Exemption									
Deemed Taxable Capital	\$ 6,303.50	\$ 34,764.51	\$ 60,967.59	\$ 2,229,419.38	\$ 2,467,323.82	\$ 2,410,022.93	\$ 2,283,787.96	\$ 2,553,307.48	\$ 2,314,835.76
Ontario Capital Tax Rate (from Sheet 3)	0.300%	0.225%	0.225%	0.225%	0.075%	0.000%	0.000%	0.000%	0.000%
Net Amount (Taxable Capital x Rate)	\$ 18.91	\$ 78.22	\$ 137.18	\$ 5,016.19	\$ 1,850.49	\$ -	\$ -	\$ -	\$ -
Change in Income Taxes Payable	\$ 35.53	\$ 256.77	\$ 501.13	\$ 5,689.64	\$ 16,357.61	\$ 21,799.67	\$ 20,745.90	\$ 29,245.11	\$ 34,848.71
Change in OCT	\$ 18.91	\$ 78.22	\$ 137.18	\$ 5,016.19	\$ 1,850.49	\$ -	\$ -	\$ -	\$ -
PILs	\$ 54.44	\$ 334.99	\$ 638.31	\$ 10,705.83	\$ 18,208.11	\$ 21,799.67	\$ 20,745.90	\$ 29,245.11	\$ 34,848.71
<b>Gross Up PILs</b>									
Tax Rate	36.12%	36.12%	33.50%	33.00%	28.72%	28.25%	24.79%	26.50%	26.50%
Change in Income Taxes Payable	\$ 55.61	\$ 401.96	\$ 753.58	\$ 8,492.00	\$ 22,948.39	\$ 30,382.81	\$ 27,583.97	\$ 39,789.27	\$ 47,413.21
Change in OCT	\$ 18.91	\$ 78.22	\$ 137.18	\$ 5,016.19	\$ 1,850.49	\$ -	\$ -	\$ -	\$ -
PILs	\$ 74.52	\$ 480.18	\$ 890.76	\$ 13,508.19	\$ 24,798.89	\$ 30,382.81	\$ 27,583.97	\$ 39,789.27	\$ 47,413.21



# Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the funding adder revenues.

## Account 1555 - Sub-account Funding Adder Revenues

Interest Rates		Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder (from Tariff)
2006 Q1				Jan-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q2	4.14%	4.68%		Feb-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q3	4.59%	5.05%		Mar-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q4	4.59%	4.72%		Apr-06	2006	Q2	\$ -		4.14%	\$ -	\$ -		\$ 0.31
2007 Q1	4.59%	4.72%		May-06	2006	Q2	\$ -	\$ 220.52	4.14%	\$ -	\$ 220.52		\$ 0.31
2007 Q2	4.59%	4.72%		Jun-06	2006	Q2	\$ 220.52	\$ 6,111.02	4.14%	\$ 0.76	\$ 6,332.30		\$ 0.31
2007 Q3	4.59%	5.18%		Jul-06	2006	Q3	\$ 6,331.54	\$ 10,232.86	4.59%	\$ 24.22	\$ 16,588.62		\$ 0.31
2007 Q4	5.14%	5.18%		Aug-06	2006	Q3	\$ 16,564.40	\$ 9,311.38	4.59%	\$ 63.36	\$ 25,939.14		\$ 0.31
2008 Q1	5.14%	5.18%		Sep-06	2006	Q3	\$ 25,875.78	\$ 10,091.99	4.59%	\$ 98.97	\$ 36,066.74		\$ 0.31
2008 Q2	4.08%	5.18%		Oct-06	2006	Q4	\$ 35,967.77	\$ 8,298.04	4.59%	\$ 137.58	\$ 44,403.39		\$ 0.31
2008 Q3	3.35%	5.43%		Nov-06	2006	Q4	\$ 44,265.81	\$ 9,358.41	4.59%	\$ 169.32	\$ 53,793.54		\$ 0.31
2008 Q4	3.35%	5.43%		Dec-06	2006	Q4	\$ 53,624.22	\$ 9,839.83	4.59%	\$ 205.11	\$ 63,669.16	\$ 64,163.37	\$ 0.31
2009 Q1	2.45%	6.61%		Jan-07	2007	Q1	\$ 63,464.05	\$ 8,603.18	4.59%	\$ 242.75	\$ 72,309.98		\$ 0.31
2009 Q2	1.00%	6.61%		Feb-07	2007	Q1	\$ 72,067.23	\$ 7,467.87	4.59%	\$ 275.66	\$ 79,810.76		\$ 0.31
2009 Q3	0.55%	5.67%		Mar-07	2007	Q1	\$ 79,535.10	\$ 8,326.97	4.59%	\$ 304.22	\$ 88,166.29		\$ 0.31
2009 Q4	0.55%	4.66%		Apr-07	2007	Q2	\$ 87,862.07	\$ 6,873.71	4.59%	\$ 336.07	\$ 95,071.85		\$ 0.31
2010 Q1	0.55%	4.34%		May-07	2007	Q2	\$ 94,735.78	\$ 7,220.92	4.59%	\$ 362.36	\$ 102,319.06		\$ 0.26
2010 Q2	0.55%	4.34%		Jun-07	2007	Q2	\$ 101,956.70	\$ 6,910.76	4.59%	\$ 389.98	\$ 109,257.44		\$ 0.26
2010 Q3	0.89%	4.66%		Jul-07	2007	Q3	\$ 108,867.46	\$ 5,419.14	4.59%	\$ 416.42	\$ 114,703.02		\$ 0.26
2010 Q4	1.20%	4.01%		Aug-07	2007	Q3	\$ 114,286.60	\$ 7,095.74	4.59%	\$ 437.15	\$ 121,819.49		\$ 0.26
2011 Q1	1.47%	4.29%		Sep-07	2007	Q3	\$ 121,382.34	\$ 5,657.08	4.59%	\$ 464.29	\$ 127,503.71		\$ 0.26
2011 Q2	1.47%	4.29%		Oct-07	2007	Q4	\$ 127,039.42	\$ 5,844.45	5.14%	\$ 544.15	\$ 133,428.02		\$ 0.26
2011 Q3	1.47%	4.29%		Nov-07	2007	Q4	\$ 132,883.87	\$ 6,624.30	5.14%	\$ 569.19	\$ 140,077.36		\$ 0.26
2011 Q4	1.47%	3.92%		Dec-07	2007	Q4	\$ 139,508.17	\$ 5,766.06	5.14%	\$ 597.56	\$ 145,871.79	\$ 86,749.98	\$ 0.26
2012 Q1	1.47%	3.92%		Jan-08	2008	Q1	\$ 145,274.23	\$ 6,058.72	5.14%	\$ 622.26	\$ 151,955.21		\$ 0.26
2012 Q2	1.47%	3.51%		Feb-08	2008	Q1	\$ 151,332.95	\$ 7,276.25	5.14%	\$ 648.21	\$ 159,257.41		\$ 0.26
2012 Q3	1.47%	3.51%		Mar-08	2008	Q1	\$ 158,609.20	\$ 5,450.77	5.14%	\$ 679.38	\$ 164,739.35		\$ 0.26
2012 Q4	1.47%	3.23%		Apr-08	2008	Q2	\$ 164,059.97	\$ 6,223.18	4.08%	\$ 557.80	\$ 170,840.95		\$ 0.26
2013 Q1	1.47%	3.23%		May-08	2008	Q2	\$ 170,283.15	\$ 6,824.95	4.08%	\$ 578.96	\$ 177,687.06		\$ 0.26
2013 Q2	1.47%	3.23%		Jun-08	2008	Q2	\$ 177,108.10	\$ 5,443.99	4.08%	\$ 602.17	\$ 183,154.26		\$ 0.26
2013 Q3	1.47%	3.23%		Jul-08	2008	Q3	\$ 182,552.09	\$ 6,234.01	3.35%	\$ 509.62	\$ 189,295.72		\$ 0.26
2013 Q4	1.47%	3.23%		Aug-08	2008	Q3	\$ 188,786.10	\$ 6,931.10	3.35%	\$ 527.03	\$ 196,244.23		\$ 0.26
2014 Q1	1.47%	3.23%		Sep-08	2008	Q3	\$ 195,717.20	\$ 5,584.31	3.35%	\$ 546.38	\$ 201,847.89		\$ 0.26
2014 Q2	1.47%	3.23%		Oct-08	2008	Q4	\$ 201,301.51	\$ 6,177.09	3.35%	\$ 561.97	\$ 208,040.57		\$ 0.26
2014 Q3	1.47%	3.23%		Nov-08	2008	Q4	\$ 207,478.60	\$ 6,241.48	3.35%	\$ 579.21	\$ 214,299.29		\$ 0.26
2014 Q4	1.47%	3.23%		Dec-08	2008	Q4	\$ 213,720.08	\$ 6,635.05	3.35%	\$ 596.64	\$ 220,951.77	\$ 82,090.53	\$ 0.26
				Jan-09	2009	Q1	\$ 220,355.13	\$ 6,509.95	2.45%	\$ 449.89	\$ 227,314.97		\$ 0.26
				Feb-09	2009	Q1	\$ 226,865.08	\$ 6,595.20	2.45%	\$ 463.18	\$ 233,923.46		\$ 0.26
				Mar-09	2009	Q1	\$ 233,460.28	\$ 6,273.91	2.45%	\$ 476.65	\$ 240,210.84		\$ 0.26
				Apr-09	2009	Q2	\$ 239,734.19	\$ 6,149.34	1.00%	\$ 199.78	\$ 246,083.31		\$ 0.26
				May-09	2009	Q2	\$ 245,883.53	\$ 7,396.29	1.00%	\$ 204.90	\$ 253,484.72		\$ 1.47
				Jun-09	2009	Q2	\$ 253,279.82	\$ 28,113.09	1.00%	\$ 211.07	\$ 281,603.98		\$ 1.47
				Jul-09	2009	Q3	\$ 281,392.91	\$ 42,793.25	0.55%	\$ 128.97	\$ 324,315.13		\$ 1.47
				Aug-09	2009	Q3	\$ 324,186.16	\$ 27,452.38	0.55%	\$ 148.59	\$ 351,787.13		\$ 1.47
				Sep-09	2009	Q3	\$ 351,638.54	\$ 39,691.70	0.55%	\$ 161.17	\$ 391,491.41		\$ 1.47
				Oct-09	2009	Q4	\$ 391,330.24	\$ 35,451.07	0.55%	\$ 179.36	\$ 426,960.67		\$ 1.47
				Nov-09	2009	Q4	\$ 426,781.31	\$ 34,829.81	0.55%	\$ 195.61	\$ 461,806.73		\$ 1.47
				Dec-09	2009	Q4	\$ 461,611.12	\$ 74,670.39	0.55%	\$ 211.57	\$ 536,493.08	\$ 318,957.12	\$ 1.47
				Jan-10	2010	Q1	\$ 536,281.51	\$ 1,857.79	0.55%	\$ 245.80	\$ 534,669.52		\$ 1.47
				Feb-10	2010	Q1	\$ 534,423.72	\$ 34,764.01	0.55%	\$ 244.94	\$ 569,432.67		\$ 1.47
				Mar-10	2010	Q1	\$ 569,187.73	\$ 33,074.43	0.55%	\$ 260.88	\$ 602,523.04		\$ 1.47
				Apr-10	2010	Q2	\$ 602,262.16	\$ 38,537.04	0.55%	\$ 276.04	\$ 641,075.24		\$ 1.47
				May-10	2010	Q2	\$ 640,799.20	\$ 30,682.79	0.55%	\$ 293.70	\$ 671,775.69		\$ 1.47
				Jun-10	2010	Q2	\$ 671,481.99	\$ 35,167.31	0.55%	\$ 307.76	\$ 706,957.06		\$ 1.47
				Jul-10	2010	Q3	\$ 706,649.30	\$ 35,453.26	0.89%	\$ 524.10	\$ 742,626.66		\$ 1.47
				Aug-10	2010	Q3	\$ 742,102.56	\$ 35,725.83	0.89%	\$ 550.39	\$ 778,378.78		\$ 1.47
				Sep-10	2010	Q3	\$ 777,828.39	\$ 35,256.16	0.89%	\$ 576.89	\$ 813,661.44		\$ 1.47
				Oct-10	2010	Q4	\$ 813,084.55	\$ 34,118.34	1.20%	\$ 813.08	\$ 848,015.97		\$ 1.47
				Nov-10	2010	Q4	\$ 847,202.89	\$ 40,885.64	1.20%	\$ 847.20	\$ 888,935.73		\$ 1.47
				Dec-10	2010	Q4	\$ 888,088.53	\$ 78,346.92	1.20%	\$ 888.09	\$ 967,323.54	\$ 435,982.81	\$ 1.47
				Jan-11	2011	Q1	\$ 966,435.45	\$ 35,291.73	1.47%	\$ 1,183.88	\$ 1,002,911.06		\$ 1.47
				Feb-11	2011	Q1	\$ 1,001,727.18	\$ 34,899.16	1.47%	\$ 1,227.12	\$ 1,037,853.46		\$ 1.47
				Mar-11	2011	Q1	\$ 1,036,626.34	\$ 32,078.82	1.47%	\$ 1,269.87	\$ 1,069,975.03		\$ 1.47
				Apr-11	2011	Q2	\$ 1,068,705.16	\$ 40,335.59	1.47%	\$ 1,309.16	\$ 1,110,349.91		\$ 1.47
				May-11	2011	Q2	\$ 1,109,040.75	\$ 31,928.99	1.47%	\$ 1,358.57	\$ 1,142,328.31		\$ 1.47





# Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the funding adder revenues.

## Account 1555 - Sub-account Funding Adder Revenues

Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Closing Balance	Annual amounts	Board Approved Smart Meter Funding Adder (from Tariff)
			Jun-11	2011	Q2	\$ 1,140,969.74	\$ 38,568.47	1.47%	\$ 1,397.69	\$ 1,180,935.90		\$ 1.47
			Jul-11	2011	Q3	\$ 1,179,538.21	\$ 33,171.57	1.47%	\$ 1,444.93	\$ 1,214,154.71		\$ 1.47
			Aug-11	2011	Q3	\$ 1,212,709.78	\$ 32,760.01	1.47%	\$ 1,485.57	\$ 1,246,955.36		\$ 1.47
			Sep-11	2011	Q3	\$ 1,245,469.79	\$ 35,830.61	1.47%	\$ 1,525.70	\$ 1,282,826.10		\$ 1.47
			Oct-11	2011	Q4	\$ 1,281,300.40	\$ 34,567.87	1.47%	\$ 1,569.59	\$ 1,317,437.86		\$ 1.47
			Nov-11	2011	Q4	\$ 1,315,868.27	\$ 35,402.00	1.47%	\$ 1,611.94	\$ 1,352,882.21		\$ 1.47
			Dec-11	2011	Q4	\$ 1,351,270.27	\$ 35,069.43	1.47%	\$ 1,655.31	\$ 1,387,995.01	\$ 436,943.58	\$ 1.47
			Jan-12	2012	Q1	\$ 1,386,339.70	\$ 35,327.25	1.47%	\$ 1,698.27	\$ 1,423,365.22		\$ 1.47
			Feb-12	2012	Q1	\$ 1,421,666.95	\$ 35,296.08	1.47%	\$ 1,741.54	\$ 1,458,704.57		\$ 1.47
			Mar-12	2012	Q1	\$ 1,456,963.03	\$ 34,611.72	1.47%	\$ 1,784.78	\$ 1,493,359.53		\$ 1.47
			Apr-12	2012	Q2	\$ 1,491,574.75	\$ 35,274.42	1.47%	\$ 1,827.18	\$ 1,528,676.35		\$ 1.47
			May-12	2012	Q2	\$ 1,526,849.17	\$ 29.87	1.47%	\$ 1,870.39	\$ 1,528,689.69		\$ -
			Jun-12	2012	Q2	\$ 1,526,819.30	\$ 71.09	1.47%	\$ 1,870.35	\$ 1,528,760.74		\$ -
			Jul-12	2012	Q3	\$ 1,526,890.39	\$ 11.86	1.47%	\$ 1,870.44	\$ 1,528,772.69		\$ -
			Aug-12	2012	Q3	\$ 1,526,902.25	\$ 15.75	1.47%	\$ 1,870.46	\$ 1,528,788.46		\$ -
			Sep-12	2012	Q3	\$ 1,526,918.00	\$ 48.46	1.47%	\$ 1,870.47	\$ 1,528,740.01		\$ -
			Oct-12	2012	Q4	\$ 1,526,869.54	\$ 85.07	1.47%	\$ 1,870.42	\$ 1,528,654.89		\$ -
			Nov-12	2012	Q4	\$ 1,526,784.47	\$ 48.99	1.47%	\$ 1,870.31	\$ 1,528,703.77		\$ -
			Dec-12	2012	Q4	\$ 1,526,833.46	\$ 0.34	1.47%	\$ 1,870.37	\$ 1,528,703.49	\$ 162,508.40	\$ -
			Jan-13	2013	Q1	\$ 1,526,833.12	\$ 1.47	1.47%	\$ 1,870.37	\$ 1,528,704.96		\$ -
			Feb-13	2013	Q1	\$ 1,526,834.59	\$ 1.27	1.47%	\$ 1,870.37	\$ 1,528,703.69		\$ -
			Mar-13	2013	Q1	\$ 1,526,833.32	\$ 16.11	1.47%	\$ 1,870.37	\$ 1,528,719.80		\$ -
			Apr-13	2013	Q2	\$ 1,526,849.43	\$ 7.35	1.47%	\$ 1,870.39	\$ 1,528,727.17		\$ -
			May-13	2013	Q2	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Jun-13	2013	Q2	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Jul-13	2013	Q3	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Aug-13	2013	Q3	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Sep-13	2013	Q3	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Oct-13	2013	Q4	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Nov-13	2013	Q4	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Dec-13	2013	Q4	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18	\$ 22,468.36	\$ -
			Jan-14	2014	Q1	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Feb-14	2014	Q1	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Mar-14	2014	Q1	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Apr-14	2014	Q2	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			May-14	2014	Q2	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Jun-14	2014	Q2	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Jul-14	2014	Q3	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Aug-14	2014	Q3	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Sep-14	2014	Q3	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Oct-14	2014	Q4	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Nov-14	2014	Q4	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18		\$ -
			Dec-14	2014	Q4	\$ 1,526,856.78	\$ -	1.47%	\$ 1,870.40	\$ 1,528,727.18	\$ 22,444.80	\$ -
Total Funding Adder Revenues Collected							\$ 1,526,856.78		\$ 105,452.17	\$ 1,632,308.95	\$ 1,632,308.95	



## Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.

### Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
2006 Q1	0.00%	0.00%	Jan-06	2006	Q1	\$ -	\$ -	\$ 18.11	\$ 18	0.00%	\$ -	\$ -
2006 Q2	4.14%	4.68%	Feb-06	2006	Q1	\$ 18	\$ -	\$ 18.11	\$ 36	0.00%	\$ -	\$ -
2006 Q3	4.59%	5.05%	Mar-06	2006	Q1	\$ 36	\$ -	\$ 18.11	\$ 54	0.00%	\$ -	\$ -
2006 Q4	4.59%	4.72%	Apr-06	2006	Q2	\$ 54	\$ -	\$ 18.11	\$ 72	4.14%	\$ 0	\$ 0
2007 Q1	4.59%	4.72%	May-06	2006	Q2	\$ 72	\$ -	\$ 18.11	\$ 91	4.14%	\$ 0	\$ 0
2007 Q2	4.59%	4.72%	Jun-06	2006	Q2	\$ 91	\$ -	\$ 18.11	\$ 109	4.14%	\$ 0	\$ 1
2007 Q3	4.59%	5.18%	Jul-06	2006	Q3	\$ 109	\$ -	\$ 18.11	\$ 127	4.59%	\$ 0	\$ 1
2007 Q4	5.14%	5.18%	Aug-06	2006	Q3	\$ 127	\$ -	\$ 18.11	\$ 145	4.59%	\$ 0	\$ 2
2008 Q1	5.14%	5.18%	Sep-06	2006	Q3	\$ 145	\$ -	\$ 18.11	\$ 163	4.59%	\$ 1	\$ 2
2008 Q2	4.08%	5.18%	Oct-06	2006	Q4	\$ 163	\$ -	\$ 18.11	\$ 181	4.59%	\$ 1	\$ 3
2008 Q3	3.35%	5.43%	Nov-06	2006	Q4	\$ 181	\$ -	\$ 18.11	\$ 199	4.59%	\$ 1	\$ 4
2008 Q4	3.35%	5.43%	Dec-06	2006	Q4	\$ 199	\$ -	\$ 18.11	\$ 217	4.59%	\$ 1	\$ 4
2009 Q1	2.45%	6.61%	Jan-07	2007	Q1	\$ 217	\$ -	\$ 119.26	\$ 337	4.59%	\$ 1	\$ 5
2009 Q2	1.00%	6.61%	Feb-07	2007	Q1	\$ 337	\$ -	\$ 119.26	\$ 456	4.59%	\$ 1	\$ 6
2009 Q3	0.55%	5.67%	Mar-07	2007	Q1	\$ 456	\$ -	\$ 119.26	\$ 575	4.59%	\$ 2	\$ 8
2009 Q4	0.55%	4.66%	Apr-07	2007	Q2	\$ 575	\$ -	\$ 119.26	\$ 694	4.59%	\$ 2	\$ 10
2010 Q1	0.55%	4.34%	May-07	2007	Q2	\$ 694	\$ -	\$ 119.26	\$ 814	4.59%	\$ 3	\$ 13
2010 Q2	0.55%	4.34%	Jun-07	2007	Q2	\$ 814	\$ -	\$ 119.26	\$ 933	4.59%	\$ 3	\$ 16
2010 Q3	0.89%	4.66%	Jul-07	2007	Q3	\$ 933	\$ 4,022.43	\$ 119.26	\$ 5,075	4.59%	\$ 4	\$ 20
2010 Q4	1.20%	4.01%	Aug-07	2007	Q3	\$ 5,075	\$ 362.42	\$ 119.26	\$ 5,556	4.59%	\$ 19	\$ 39
2011 Q1	1.47%	4.29%	Sep-07	2007	Q3	\$ 5,556	\$ 1,528.86	\$ 119.26	\$ 7,204	4.59%	\$ 21	\$ 60
2011 Q2	1.47%	4.29%	Oct-07	2007	Q4	\$ 7,204	\$ 528.97	\$ 119.26	\$ 7,853	5.14%	\$ 31	\$ 91
2011 Q3	1.47%	4.29%	Nov-07	2007	Q4	\$ 7,853	\$ 915.68	\$ 119.26	\$ 8,888	5.14%	\$ 34	\$ 125
2011 Q4	1.47%	3.92%	Dec-07	2007	Q4	\$ 8,888	\$ 375.97	\$ 119.26	\$ 9,383	5.14%	\$ 38	\$ 163
2012 Q1	1.47%	3.92%	Jan-08	2008	Q1	\$ 9,383	\$ -	\$ 284.57	\$ 9,667	5.14%	\$ 40	\$ 203
2012 Q2	1.47%	3.51%	Feb-08	2008	Q1	\$ 9,667	\$ 111.10	\$ 284.57	\$ 10,063	5.14%	\$ 41	\$ 245
2012 Q3	1.47%	3.51%	Mar-08	2008	Q1	\$ 10,063	\$ 160.95	\$ 284.57	\$ 10,509	5.14%	\$ 43	\$ 288
2012 Q4	1.47%	3.23%	Apr-08	2008	Q2	\$ 10,509	\$ -	\$ 284.57	\$ 10,793	4.08%	\$ 36	\$ 323
2013 Q1	1.47%	3.23%	May-08	2008	Q2	\$ 10,793	\$ -	\$ 284.57	\$ 11,078	4.08%	\$ 37	\$ 360
2013 Q2	1.47%	3.23%	Jun-08	2008	Q2	\$ 11,078	\$ -	\$ 284.57	\$ 11,362	4.08%	\$ 38	\$ 398
2013 Q3	1.47%	3.23%	Jul-08	2008	Q3	\$ 11,362	\$ 1,390.32	\$ 284.57	\$ 13,037	3.35%	\$ 32	\$ 429
2013 Q4	1.47%	3.23%	Aug-08	2008	Q3	\$ 13,037	\$ -	\$ 284.57	\$ 13,322	3.35%	\$ 36	\$ 466
2014 Q1	1.47%	3.23%	Sep-08	2008	Q3	\$ 13,322	\$ -	\$ 284.57	\$ 13,606	3.35%	\$ 37	\$ 503
2014 Q2	1.47%	3.23%	Oct-08	2008	Q4	\$ 13,606	\$ -	\$ 284.57	\$ 13,891	3.35%	\$ 38	\$ 541
2014 Q3	1.47%	3.23%	Nov-08	2008	Q4	\$ 13,891	\$ -	\$ 284.57	\$ 14,175	3.35%	\$ 39	\$ 580
2014 Q4	1.47%	3.23%	Dec-08	2008	Q4	\$ 14,175	\$ -	\$ 284.57	\$ 14,460	3.35%	\$ 40	\$ 619
			Jan-09	2009	Q1	\$ 14,460	\$ 421.57	\$ 366.84	\$ 15,248	2.45%	\$ 30	\$ 649
			Feb-09	2009	Q1	\$ 15,248	\$ 5,775.27	\$ 366.84	\$ 21,390	2.45%	\$ 31	\$ 680
			Mar-09	2009	Q1	\$ 21,390	\$ 1,772.74	\$ 366.84	\$ 23,530	2.45%	\$ 44	\$ 724
			Apr-09	2009	Q2	\$ 23,530	\$ 20,458.42	\$ 366.84	\$ 44,355	1.00%	\$ 20	\$ 743
			May-09	2009	Q2	\$ 44,355	\$ 18,689.13	\$ 458.81	\$ 63,503	1.00%	\$ 37	\$ 780
			Jun-09	2009	Q2	\$ 63,503	\$ 25,950.44	\$ 1,778.71	\$ 91,232	1.00%	\$ 53	\$ 833
			Jul-09	2009	Q3	\$ 91,232	\$ 21,079.86	\$ 1,963.34	\$ 114,276	0.55%	\$ 42	\$ 875
			Aug-09	2009	Q3	\$ 114,276	\$ 4,849.14	\$ 3,963.96	\$ 123,089	0.55%	\$ 52	\$ 927
			Sep-09	2009	Q3	\$ 123,089	\$ 4,598.75	\$ 6,570.57	\$ 134,258	0.55%	\$ 56	\$ 984
			Oct-09	2009	Q4	\$ 134,258	\$ 12,130.78	\$ 12,640.45	\$ 159,029	0.55%	\$ 62	\$ 1,045
			Nov-09	2009	Q4	\$ 159,029	\$ 3,273.88	\$ 22,039.55	\$ 184,343	0.55%	\$ 73	\$ 1,118
			Dec-09	2009	Q4	\$ 184,343	\$ 4,324.86	\$ 30,671.92	\$ 219,339	0.55%	\$ 84	\$ 1,203
			Jan-10	2010	Q1	\$ 219,339	\$ 11,497.66	\$ 13,262.28	\$ 244,099	0.55%	\$ 101	\$ 1,303
			Feb-10	2010	Q1	\$ 244,099	\$ 11.40	\$ 13,293.22	\$ 257,404	0.55%	\$ 112	\$ 1,415
			Mar-10	2010	Q1	\$ 257,404	\$ 17,291.69	\$ 13,299.05	\$ 287,995	0.55%	\$ 118	\$ 1,533
			Apr-10	2010	Q2	\$ 287,995	\$ 5,143.60	\$ 13,338.72	\$ 306,477	0.55%	\$ 132	\$ 1,665
			May-10	2010	Q2	\$ 306,477	\$ 1,965.11	\$ 13,498.87	\$ 321,941	0.55%	\$ 140	\$ 1,806
			Jun-10	2010	Q2	\$ 321,941	\$ 19,529.76	\$ 14,359.90	\$ 355,831	0.55%	\$ 148	\$ 1,953
			Jul-10	2010	Q3	\$ 355,831	\$ 3,676.51	\$ 14,622.81	\$ 366,777	0.89%	\$ 264	\$ 2,217
			Aug-10	2010	Q3	\$ 366,777	\$ 37.44	\$ 14,529.43	\$ 381,344	0.89%	\$ 272	\$ 2,489
			Sep-10	2010	Q3	\$ 381,344	\$ 17,545.00	\$ 15,080.79	\$ 413,970	0.89%	\$ 283	\$ 2,772
			Oct-10	2010	Q4	\$ 413,970	\$ 2,542.53	\$ 15,283.41	\$ 426,711	1.20%	\$ 414	\$ 3,186
			Nov-10	2010	Q4	\$ 426,711	\$ 441.00	\$ 15,831.42	\$ 442,983	1.20%	\$ 427	\$ 3,613
			Dec-10	2010	Q4	\$ 442,983	\$ 33,618.08	\$ 16,202.37	\$ 492,803	1.20%	\$ 443	\$ 4,056
			Jan-11	2011	Q1	\$ 492,803	\$ 18,928.75	\$ 15,550.26	\$ 527,282	1.47%	\$ 604	\$ 4,659
			Feb-11	2011	Q1	\$ 527,282	\$ 4,144.45	\$ 15,573.53	\$ 547,000	1.47%	\$ 646	\$ 5,305





# Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.

## Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	OM&A Expenses	Amortization / Depreciation Expense	Closing Balance (Principal)	(Annual) Interest Rate	Interest (on opening balance)	Cumulative Interest
			Mar-11	2011	Q1	\$ 547,000	\$ 1,750.00	\$ 15,655.55	\$ 564,406	1.47%	\$ 670	\$ 5,975
			Apr-11	2011	Q2	\$ 564,406	\$ 20,197.28	\$ 15,818.62	\$ 600,422	1.47%	\$ 691	\$ 6,667
			May-11	2011	Q2	\$ 600,422	\$ 18,690.60	\$ 15,842.33	\$ 634,955	1.47%	\$ 736	\$ 7,402
			Jun-11	2011	Q2	\$ 634,955	\$ 5,114.36	\$ 15,946.52	\$ 656,016	1.47%	\$ 778	\$ 8,180
			Jul-11	2011	Q3	\$ 656,016	\$ 9,122.06	\$ 16,094.07	\$ 681,232	1.47%	\$ 804	\$ 8,984
			Aug-11	2011	Q3	\$ 681,232	\$ 5,712.07	\$ 16,124.83	\$ 703,069	1.47%	\$ 835	\$ 9,818
			Sep-11	2011	Q3	\$ 703,069	\$ 24,859.48	\$ 16,264.16	\$ 744,192	1.47%	\$ 861	\$ 10,679
			Oct-11	2011	Q4	\$ 744,192	\$ 20,065.96	\$ 16,419.63	\$ 780,678	1.47%	\$ 912	\$ 11,591
			Nov-11	2011	Q4	\$ 780,678	\$ 18,982.43	\$ 16,717.03	\$ 816,377	1.47%	\$ 956	\$ 12,547
			Dec-11	2011	Q4	\$ 816,377	\$ 28,395.60	\$ 17,034.54	\$ 861,808	1.47%	\$ 1,000	\$ 13,547
			Jan-12	2012	Q1	\$ 861,808	\$ -	\$ 16,632.08	\$ 878,440	1.47%	\$ 1,056	\$ 14,603
			Feb-12	2012	Q1	\$ 878,440	\$ -	\$ 16,632.08	\$ 895,072	1.47%	\$ 1,076	\$ 15,679
			Mar-12	2012	Q1	\$ 895,072	\$ -	\$ 16,632.08	\$ 911,704	1.47%	\$ 1,096	\$ 16,776
			Apr-12	2012	Q2	\$ 911,704	\$ -	\$ 16,632.08	\$ 928,336	1.47%	\$ 1,117	\$ 17,892
			May-12	2012	Q2	\$ 928,336	\$ -	\$ 16,632.08	\$ 944,968	1.47%	\$ 1,137	\$ 19,030
			Jun-12	2012	Q2	\$ 944,968	\$ -	\$ 16,751.65	\$ 961,720	1.47%	\$ 1,158	\$ 20,187
			Jul-12	2012	Q3	\$ 961,720	\$ 2,991	\$ 16,761	\$ 981,472	1.47%	\$ 1,178	\$ 21,365
			Aug-12	2012	Q3	\$ 981,472	\$ -	\$ 16,753	\$ 998,224	1.47%	\$ 1,202	\$ 22,568
			Sep-12	2012	Q3	\$ 998,224	\$ -	\$ 16,772	\$ 1,014,996	1.47%	\$ 1,223	\$ 23,790
			Oct-12	2012	Q4	\$ 1,014,996	\$ -	\$ 17,033	\$ 1,032,029	1.47%	\$ 1,243	\$ 25,034
			Nov-12	2012	Q4	\$ 1,032,029	\$ -	\$ 16,767	\$ 1,048,797	1.47%	\$ 1,264	\$ 26,298
			Dec-12	2012	Q4	\$ 1,048,797	\$ -	\$ 18,340	\$ 1,067,137	1.47%	\$ 1,285	\$ 27,583
			Jan-13	2013	Q1	\$ 1,067,137	\$ -	\$ 17,091	\$ 1,084,228	1.47%	\$ 1,307	\$ 28,890
			Feb-13	2013	Q1	\$ 1,084,228	\$ -	\$ 17,091	\$ 1,101,319	1.47%	\$ 1,328	\$ 30,218
			Mar-13	2013	Q1	\$ 1,101,319	\$ -	\$ 18,735	\$ 1,120,055	1.47%	\$ 1,349	\$ 31,567
			Apr-13	2013	Q2	\$ 1,120,055	\$ -	\$ 18,746	\$ 1,138,800	1.47%	\$ 1,372	\$ 32,939
			May-13	2013	Q2	\$ 1,138,800	\$ -	\$ 18,753	\$ 1,157,554	1.47%	\$ 1,395	\$ 34,334
			Jun-13	2013	Q2	\$ 1,157,554	\$ -	\$ 18,753	\$ 1,176,307	1.47%	\$ 1,418	\$ 35,753
			Jul-13	2013	Q3	\$ 1,176,307	\$ -	\$ 18,770	\$ 1,195,076	1.47%	\$ 1,441	\$ 37,193
			Aug-13	2013	Q3	\$ 1,195,076	\$ -	\$ 18,770	\$ 1,213,846	1.47%	\$ 1,464	\$ 38,657
			Sep-13	2013	Q3	\$ 1,213,846	\$ -	\$ 18,770	\$ 1,232,616	1.47%	\$ 1,487	\$ 40,144
			Oct-13	2013	Q4	\$ 1,232,616	\$ -	\$ 18,770	\$ 1,251,385	1.47%	\$ 1,510	\$ 41,654
			Nov-13	2013	Q4	\$ 1,251,385	\$ -	\$ 18,770	\$ 1,270,155	1.47%	\$ 1,533	\$ 43,187
			Dec-13	2013	Q4	\$ 1,270,155	\$ -	\$ 18,770	\$ 1,288,924	1.47%	\$ 1,556	\$ 44,743
			Jan-14	2014	Q1	\$ 1,288,924	\$ -	\$ 19,842	\$ 1,308,766	1.47%	\$ 1,579	\$ 46,322
			Feb-14	2014	Q1	\$ 1,308,766	\$ -	\$ 19,842	\$ 1,328,608	1.47%	\$ 1,603	\$ 47,925
			Mar-14	2014	Q1	\$ 1,328,608	\$ -	\$ 19,842	\$ 1,348,449	1.47%	\$ 1,628	\$ 49,553
			Apr-14	2014	Q2	\$ 1,348,449	\$ -	\$ 19,842	\$ 1,368,291	1.47%	\$ 1,652	\$ 51,205
			May-14	2014	Q2	\$ 1,368,291	\$ -	\$ 19,842	\$ 1,388,133	1.47%	\$ 1,676	\$ 52,881
			Jun-14	2014	Q2	\$ 1,388,133	\$ -	\$ 19,842	\$ 1,407,974	1.47%	\$ 1,700	\$ 54,581
			Jul-14	2014	Q3	\$ 1,407,974	\$ -	\$ 19,842	\$ 1,427,816	1.47%	\$ 1,725	\$ 56,306
			Aug-14	2014	Q3	\$ 1,427,816	\$ -	\$ 19,842	\$ 1,447,658	1.47%	\$ 1,749	\$ 58,055
			Sep-14	2014	Q3	\$ 1,447,658	\$ -	\$ 19,842	\$ 1,467,499	1.47%	\$ 1,773	\$ 59,829
			Oct-14	2014	Q4	\$ 1,467,499	\$ -	\$ 19,842	\$ 1,487,341	1.47%	\$ 1,798	\$ 61,626
			Nov-14	2014	Q4	\$ 1,487,341	\$ -	\$ 19,842	\$ 1,507,183	1.47%	\$ 1,822	\$ 63,448
			Dec-14	2014	Q4	\$ 1,507,183	\$ -	\$ 19,842	\$ 1,527,024	1.47%	\$ 1,846	\$ 65,295
							\$ 412,537	\$ 1,114,487	\$ 1,527,024		\$ 65,295	\$ 65,295



## Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the interest on OM&A and amortization/depreciation expense, in the absence of monthly data.

Year	OM&A (from Sheet 5)	Amortization Expense (from Sheet 5)	Cumulative OM&A and Amortization Expense	Average Cumulative OM&A and Amortization Expense	Average Annual Prescribed Interest Rate for Deferral and Variance Accounts (from Sheets 8A and 8B)	Simple Interest on OM&A and Amortization Expenses
2006	\$ -	\$ 217.36	\$ 217.36	\$ 108.68	4.37%	\$ 4.74
2007	\$ 7,734.33	\$ 1,431.13	\$ 9,382.82	\$ 4,800.09	4.73%	\$ 226.92
2008	\$ 1,662.37	\$ 3,414.80	\$ 14,459.99	\$ 11,921.40	3.98%	\$ 474.47
2009	\$ 123,324.84	\$ 81,554.68	\$ 219,339.50	\$ 116,899.75	1.14%	\$ 1,329.73
2010	\$ 100,861.70	\$ 172,602.27	\$ 492,803.47	\$ 356,071.49	0.80%	\$ 2,839.67
2011	\$ 175,963.01	\$ 193,041.08	\$ 861,807.56	\$ 677,305.52	1.47%	\$ 9,956.39
2012	\$ 2,990.84	\$ 202,333.48	\$ 1,067,131.88	\$ 964,469.72	1.47%	\$ 14,177.70
2013	\$ -	\$ 221,776.87	\$ 1,288,908.75	\$ 1,178,020.31	1.47%	\$ 17,316.90
2014	\$ -	\$ 238,471.72	\$ 1,527,380.47	\$ 1,408,144.61	1.47%	\$ 20,699.73
<b>Cumulative Interest to 2012</b>						\$ 29,009.64
<b>Cumulative Interest to 2013</b>						\$ 46,326.54
<b>Cumulative Interest to 2014</b>						\$ 67,026.27

# Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the Smart Meter Disposition Rider and the Smart Meter Incremental Revenue Requirement Rate Rider, if applicable. This worksheet also calculates any new Smart Meter Funding Adder that a distributor may wish to request. However, please note that in many 2011 IRM decisions, the Board noted that current funding adders will cease on April 30, 2011 and that the Board's expectation is that distributors will file for a final review of prudence at the earliest opportunity. The Board also noted that the SMFA is a tool designed to provide advance funding and to mitigate the anticipated rate impact of smart meter costs when recovery of those costs is approved by the Board. The Board observed that the SMFA was not intended to be compensatory (return on and of capital) on a cumulative basis over the term the SMFA was in effect. The SMFA was initially designed to fund future investment, and not fully fund prior capital investment. Distributors that seek a new SMFA should provide evidence to support its proposal. This would include documentation of where the distributor is with respect to its smart meter deployment program, and reasons as to why the distributor's circumstances are such that continuation of the SMFA is warranted. Press the "UPDATE WORKSHEET" button after choosing the applicable adders/riders.

Check if  
applicable

☐

Smart Meter Funding Adder (SMFA)

☒

Smart Meter Disposition Rider (SMDR)

☒

Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

The SMDR is calculated based on costs to December 31, 2011

The SMIRR is calculated based on the incremental revenue requirement associated with the recovery of capital related costs to December 31, 2012 and associated OM&A.

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ 532.21	\$ 11,299.81	\$ 9,272.49	\$ 296,727.47	\$ 458,990.36	\$ 567,021.37	\$ 392,537.75	\$ 426,037.06	\$ 451,411.54	\$ 2,162,418.53
Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)	\$ 4.28	\$ 158.63	\$ 456.43	\$ 583.34	\$ 2,852.84	\$ 9,491.83	\$ 14,035.52	\$ 17,160.38		\$ 44,743.25
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ 4.28	\$ 158.63	\$ 456.43	\$ 583.34	\$ 2,852.84	\$ 9,491.83	\$ 14,035.52	\$ 17,160.38	\$ 20,551.39	\$ 44,743.25
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)										
SMFA Revenues (from Sheet 8)	\$ 63,464.05	\$ 81,810.18	\$ 75,080.90	\$ 315,926.38	\$ 430,153.94	\$ 419,904.25	\$ 140,493.42	\$ 23.66	\$ -	\$ 1,526,856.78
SMFA Interest (from Sheet 8)	\$ 699.32	\$ 4,939.80	\$ 7,009.63	\$ 3,030.74	\$ 5,828.87	\$ 17,039.33	\$ 22,014.98	\$ 22,444.70	\$ 22,444.80	\$ 105,452.17
Net Deferred Revenue Requirement	-\$ 63,626.88	-\$ 75,291.54	-\$ 72,361.61	-\$ 21,646.31	\$ 25,860.39	\$ 139,569.63	\$ 244,064.87	\$ 420,729.08	\$ 428,966.74	\$ 574,852.83
Number of Metered Customers (average for 2014 test year) - Number of metered customers for which smart meter were deployed as part of program). Residential and GS < 50 kW customer classes and any other metered classes involved (e.g. GS 50 to 4999 kW for which interval meters were upgraded to utilize AMI and ODS assets)									23921	

## Calculation of Smart Meter Disposition Rider (per metered customer per month)

Years for collection or refunding	1	
Deferred Incremental Revenue Requirement from 2006 to December 31, 2013 plus Interest on OM&A and Amortization	\$ 2,207,161.78	
SMFA Revenues collected from 2006 to 2014 test year (inclusive) Plus Simple Interest on SMFA Revenues	\$ 1,632,308.95	
Net Deferred Revenue Requirement	\$ 574,852.83	
SMDR	May 1, 2014 to April 30, 2015	\$ 2.00
Check: Forecasted SMDR Revenues	\$ 574,104.00	Match

## Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)

Incremental Revenue Requirement for 2014	\$ 451,411.54	
SMIRR	\$ 1.57	
Check: Forecasted SMIRR Revenues	\$ 450,671.64	Match



This worksheet calculates the class-specific SMDRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.

#### Class-specific SMDRs

Revenue Requirement for Historical Years	2006	2007	2008	2009	2010	2011	2012	2013	Total 2006 to 2013	Explanation / Allocator Check Row # SMDR/SMIRR apply to class	Residential	GS < 50 kW	GS 50 to 4999 kW	Other (please specify)	Total
											X	X			2
											%	%	%	%	
Return on Capital	\$ 240.32	\$ 1,654.18	\$ 3,304.57	\$ 78,339.76	\$ 160,727.51	\$ 167,634.47	\$ 159,629.47	\$ 164,470.92	\$ 736,001.20	Weighted Meter Cost - Capital Allocated per class	77.29%	22.71%			100%
Depreciation/Amortization expense and related interest	\$ 217.36	\$ 1,431.13	\$ 3,414.80	\$ 81,554.68	\$ 172,602.27	\$ 193,041.08	\$ 202,333.48	\$ 221,776.87		Weighted Meter Cost - Capital Allocated per class	77%	23%	0%	0%	100%
	\$ 4.28	\$ 24.77	\$ 306.99	\$ 232.20	\$ 1,800.62	\$ 4,965.56	\$ 13,831.07	\$ 17,160.38	\$ 914,697.55		\$ 568,874.72	\$ 167,126.47	\$ -	\$ -	
Operating Expenses and related interest	\$ -	\$ 7,734.33	\$ 1,662.37	\$ 123,324.84	\$ 100,861.70	\$ 175,963.01	\$ 2,990.84	\$ -		Number of Smart Meters installed by Class	#	#	#	#	
	\$ 4.28	\$ 158.63	\$ 149.45	\$ 351.13	\$ 1,052.21	\$ 4,526.27	\$ 204.45	\$ -	\$ 418,983.50	Allocated per class	21,252	2,669	0	0	
Revenue Requirement before Taxes/PILs	\$ 4.28	\$ 7,892.96	\$ 1,811.82	\$ 123,675.97	\$ 101,913.91	\$ 180,489.28	\$ 3,195.29	\$ -	\$ 2,069,682.25		\$ 372,235.17	\$ 46,748.34	\$ -	\$ -	\$ -
										Revenue Requirement before PILs	79.63%	20.37%	0.00%	0.00%	100%
Grossed-up Taxes/PILs	\$ 74.52	\$ 480.18	\$ 890.76	\$ 13,508.19	\$ 24,798.89	\$ 30,382.81	\$ 27,583.97	\$ 39,789.27	\$ 137,508.58		\$ 1,648,103.73	\$ 421,578.51	\$ -	\$ -	\$ -
Total Revenue Requirement plus interest on OM&A and depreciation expense									\$ 2,207,190.83	Percentage of costs allocated to each class	\$ 1,757,602.87	\$ 449,587.96	\$ -	\$ -	
									\$ 29.05	Percentage of costs for classes with SMDR/SMIRR	79.63%	20.37%	0.00%	0.00%	
											79.63%	20.37%	0.00%	0.00%	
											%	%	%	%	
										SMFA Revenues directly attributable to class	86.67%	11.19%	0.00%	0.00%	98%
										Residual SMFA Revenues (from other metered classes) attributed evenly	86.67%	11.19%	0.00%	0.00%	97.86%
										Total	1.07%	1.07%	0.00%	0.00%	
											87.74%	12.26%	0.00%	0.00%	
SMFA Revenues plus interest expense									\$ 1,632,308.95		\$ 1,432,218.89	\$ 200,090.06	\$ -	\$ -	
Net Deferred Revenue Requirement to be recovered via SMDR									\$ 574,881.88		\$ 325,383.98	\$ 249,497.90	\$ -	\$ -	
Average number of metered customers by class (2014), for customer classes with smart meters deployed									Average number of customers (2014)		21252	2669	0	0	
Number of Years for SMDR recovery									1 years		1	1	1	1	
Smart Meter Disposition Rider (\$/month per metered customer in the customer class)											\$ 1.28	\$ 7.79			
Estimated SMDR Revenues									\$ 575,928.84		\$ 326,430.72	\$ 249,498.12	\$ -	\$ -	
									-\$ 1,046.96						



## Smart Meter Model for Electricity Distributors (2014 Filers)

This worksheet calculates the class-specific SMIRRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.

Class-specific SMDRs

### Revenue Requirement for 2013

	2014	Explanation / Allocator Check Row if SMDR/SMIRR apply to class	Residential	GS < 50 kW	GS 50 to 4999 kW	Other (please specify)	Total
			X	X			2
			%	%	%	%	
Return on Capital	\$ 165,526.61	Weighted Meter Cost - Capital Allocated per class	\$ 127,939.88	\$ 37,586.73	\$ 0.00%	\$ 0.00%	100%
Depreciation/Amortization expense	\$ 238,471.72	Weighted Meter Cost - Capital Allocated per class	\$ 184,321.07	\$ 54,150.64	\$ 0.00%	\$ 0.00%	100%
Operating Expenses	\$ -	Number of Smart Meters installed by Class	# 21,252	# 2,669	# -	# -	
	\$ -	Allocated per class	\$ -	\$ -	\$ -	\$ -	
Revenue Requirement before Taxes/PILs	\$ 403,998.32		\$ 312,260.95	\$ 91,737.37	\$ -	\$ -	\$ -
		Revenue Requirement before PILs	77.29%	22.71%	0.00%	0.00%	100%
Grossed-up Taxes/PILs	\$ 47,413.21		\$ 36,646.92	\$ 10,766.29	\$ -	\$ -	
Total Revenue Requirement for 2013	\$ 451,411.54		\$ 348,907.87	\$ 102,503.66	\$ -	\$ -	
	\$ -	Percentage of costs allocated to each class	77.29%	22.71%	0.00%	0.00%	
		Percentage of costs for classes with SMDR/SMIRR	77.29%	22.71%	0.00%	0.00%	
Average number of metered customers by class (2013)			21,252	2,669	-	-	
The SMIRR is recovered as an annualized rate until the effective date of the distributor's next rebased rates resulting from a cost of service application	1 year		1	1	1	1	1
Smart Meter Incremental Revenue Requirement Rate Rider (\$/month per metered customer in the customer class)			\$ 1.37	\$ 3.20			
Estimated SMIRR Revenues	\$ 451,872.48		\$ 349,382.88	\$ 102,489.60	\$ -	\$ -	