

October 12, 2012

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

Dear Ms. Walli:

Re: 2013 IRM Application
EB-2012-0151

Please find enclosed, Norfolk's 2013 IRM Rate application. The application includes:

- Manager's Summary documenting and explaining all rate adjustments applied for,
- 2013 Rate Generator model,
- 2013 IRM Tax Sharing model,
- 2013 IRM RTSR model,
- 2012 Board approved Tariff Sheet,
- 2013 Tariff Sheet with proposed rates from the Rate Generator Model,
- 2013 Bill Impacts reflecting the change in proposed rates.
- LRAM 3rd Party Review

The application is being submitted through the Board's web portal (PDF) in addition to an electronic copy on CD sent by courier along with two paper copies.

Sincerely,



Jody McEachran
Chief Financial Officer
Norfolk Power Distribution Inc.
519-426-4440 x2264
jmceachran@norfolkpower.on.ca

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

AND IN THE MATTER OF an Application by Norfolk Power Distribution Inc. to the Ontario Energy Board for an Order or Orders approving or fixing just and reasonable rates and other service charges for the distribution of electricity as of May 1, 2013.

1.0 APPLICATION

1. Introduction

- (a) The Applicant is Norfolk Power Distribution Inc. (referred to in this Application as the “Applicant” or “Norfolk”). The Applicant is a corporation incorporated pursuant to the *Ontario Business Corporations Act* with its head office in the Town of Simcoe. The Applicant carries on the business of distributing electricity within certain areas of the County of Norfolk.
- (b) The Applicant hereby applies to the Ontario Energy Board (the “OEB”) pursuant to Section 78 of the *Ontario Energy Board Act, 1998 (the “OEB Act”)* for approval of its proposed distribution rates and other charges, effective May 1, 2013, as set out in this Application.
- (c) The Applicant has followed Chapter 3 of the Filing Requirements For Electricity Transmission and Distribution Applications, revised June 28, 2012.

2. Proposed Effective Date of Rate Order

The Applicant requests a Rate Order effective May 1, 2013 in accordance with the Filing Requirements. In the event a Decision and Order for this Application is

unavailable for implementation of rates as of May 1 2013, Norfolk requests that the Board declare the current Distribution Rates and Specific Service Charges as interim until the decided implementation date of the approved 2013 distribution rates.

3. Relief Sought

- (a) The Applicant applies for an Order or Orders approving the proposed distribution rates and other charges set out in Appendix C – 2013 Tariff Sheet of Proposed Rates and Charges.
- (b) The proposed distribution rates and other charges set out in this application are supported by written evidence including:
 - Manager's Summary
 - Appendix A - 2012 Tariff Sheet
 - Appendix B - 2013 Tariff Sheet of Proposed Rates and Charges
 - Appendix C - 2013 Bill Impacts from the Rate Generator Model
 - Appendix D – LRAM Third Party Review
 - Appendix E - 2013 IRM Rate Generator Model
 - Appendix F - 2013 IRM Tax Sharing Model
 - Appendix G - 2013 RTSR Model
- (c) The Applicant intends to publish the Board's Notice of Application in the Simcoe Reformer, a newspaper of paid circulation of 6,500.

4. Form of Hearing Requested

The Applicant requests that this Application be conducted by way of a written hearing.

5. Contact Information


Applicant's Name: Norfolk Power Distribution Inc.

Applicant's Address for Service: PO Box 588
70 Victoria St
Simcoe, ON
N3Y 4N6

Attention: Jody McEachran
Telephone: 519-426-4440 x2264
Fax: 519-426-6509
E-mail: jmceachran@norfolkpower.on.ca

DATED at London, Ontario, this 12th day of October, 2012.

All of which is respectfully submitted,



Jody McEachran
Chief Financial Officer
Norfolk Power Distribution Inc.

MANAGER'S SUMMARY

Norfolk has followed the methodology and directions set out in Chapter 3 of the Filing Requirements for Electricity Transmission and Distribution Applications, dated June 28, 2012. Norfolk has calculated the proposed rates using the models issued by the Board including the 2013 IRM Rate Generator Model, 2013 IRM Tax Sharing Model, and the 2013 IRM RTSR Model.

2012 TARIFF SHEET

Norfolk has provided a copy of the latest 2012 Tariff Sheet from EB-2011-0272 which was issued on May 24, 2012 in Appendix A.

RATE GENERATOR MODEL

2.0 PRICE CAP INDEX ADJUSTMENT

Norfolk has completed the model using the default values for the Price Cap Index as follows:

Price Cap Index

Price Escalator (GDP-IPI)	2.00%
Less Productivity Factor	0.72%
Less Stretch Factor	0.40%
Price Cap Index	0.88%

Norfolk understands Board Staff will update the GDP-IPI and Stretch Factor when the respective information is available, in order to calculate the actual price cap index adjustment for final distribution rates for this application. Norfolk also understands it will have an opportunity to comment on the accuracy of the Board Staff's update as part of the draft Rate Order process and will do so at that time.

3.0 DEFERRAL AND VARIANCE ACCOUNT RATE RIDERS

Group 1 Accounts

Norfolk has completed the continuity schedule for Deferral / Variance accounts as provided in the rate generator model. As part of its 2012 Cost of Service Application (EB-2011-0272), Norfolk was approved for disposition of these accounts as of December 31, 2010 and has completed the continuity schedule provided on that basis.

Based on the December 31, 2011 ending balances and projected interest until April 30, 2013, Norfolk requests disposition of Group 1 accounts for a total of (\$632,932).

Account 1521 Special Purpose Charge Assessment

In its 2012 application (EB-2011-0272) Norfolk applied for recovery of account 1521 for an amount of \$1,441, (\$760 principle and \$681 interest). Norfolk was approved for this amount. However following the application Norfolk realized it had erred in its calculations and should have applied for recovery of \$13,848 (\$13,178 principle and \$670 interest). Norfolk recognizes these accounts were approved for final disposition and therefore will write off the variance of \$12,407.

As such Norfolk has completed 'Tab 5. Continuity Schedule' of the rate generator model by including the full amounts of \$13,178 principle and \$670 interest in columns BZ and CA relating to 2012 amounts approved for disposition in order to avoid the inclusion of these balances in the 2013 Claim. For greater clarity, refer to Table 1:

Table 1: Correction of Special Purpose Charge

Account 1521	Column BZ, Row 44	Column CA, Row 44
Account Descriptions	Principal Disposition during 2012 - instructed by Board	Interest Disposition during 2012 - instructed by Board
Actual Board Approved Amount as per EB-2011-0272	\$760	\$681
Remainder to be written off by Norfolk	\$12,418	-\$11
Total amount entered in Model	\$13,178	\$670

Norfolk's total claim for disposition of deferral and variance accounts is (\$632,932) which surpasses the threshold test for the Group 1 Accounts.

Table 2: Threshold Test

Threshold Test	
Total Claim (including Account 1521, 1562 and 1568)	(617,242)
Total Claim for Threshold Test (All Group 1 Accounts)	(632,932)
Threshold Test (Total claim per kWh)	(\$.0017)

Account 1568: LRAMVA

Norfolk has included in Account 1568 of Tab 5 '2013 Continuity Schedule' of the 2013 IRM Rate Generator Model a variance \$15,691 as a result of 2011 CDM related activities. In 2011 there were no CDM program activities included in the load forecast underpinning Norfolk's rates.

Norfolk notes that it has not reported any amount in this account in its 2011 RRR filing, creating a variance in the 2013 Continuity Schedule of the 2013 IRM Rate Generator Model of \$15,391. Norfolk proposes to revise the RRR filing when the Decision related to this application is issued.

Full detailed CDM activities and interest charges related to the amount claimed in Account 1568 is available in Appendix D.

4.0 SHARED TAX SAVINGS

The completion of the 2013 IRM Tax Sharing Model for Norfolk indicates that 2013 tax sharing amount is a recovery of \$55,333. In completion of the model Norfolk used the information from its EB-2011-0272 approved Settlement Agreement (Appendix F – 2012 PILS (Updated)). Using the billing determinants approved in the same 2012 Cost of Service application the 2013 IRM Tax Sharing Model calculates the rate riders to recover these amounts as summarized in Table 3.

Table 3: Shared Tax Savings Rate Riders

Shared Tax Savings Rate Riders	
Rate Class	Rate Rider (\$)
Residential	0.0002
General Service Less Than 50 kW	0.0002
General Service 50 to 4,999 kW	0.0252
Unmetered Scattered Load	0.2482
Sentinel Lighting	0.0782
Street Lighting	0.0002

The model did not calculate a rate rider for Norfolk's Embedded Distributor as Norfolk does not have a distribution volumetric rate for this customer class.

5.0 RETAIL TRANSMISSION SERVICE RATES

Norfolk has completed the 2013 RTSR Model and followed the guidelines provided in G-2008-0001 Electricity Distribution Retail Transmission Service Rates which were revised on June 28, 2012. In completing the model, Norfolk used the billing determinants as reported in its 2011 RRR filings as well as the 2011 actual amounts billed (Units and Dollars). The resultant rates are summarized in Table 4.

Table 4: Proposed RTSR Network and Connection Charges

Rate Class	Unit	Proposed RTSR Network	Proposed RTSR Connection
Residential	kWh	\$0.0066	\$0.0033
General Service Less Than 50 kW	kWh	\$0.0060	\$0.0028
General Service 50 to 4,999 kW	kW	\$2.4408	\$1.1396
Unmetered Scattered Load	kWh	\$0.0060	\$0.0028
Sentinel Lighting	kW	\$1.8502	\$0.8994
Street Lighting	kW	\$1.8409	\$0.8810
Embedded Distributor	kWh	\$ -	\$ -

Norfolk understands Board Staff will adjust the 2013 RTSR Model and Rate Generator model to reflect any change to the Uniform Transmission Rates effective January 1, 2013, when this information becomes available. Norfolk understands it will have the opportunity to comment on the accuracy of these updates as part of the draft Rate Order process.

RTSR – Embedded Distributor

In its 2012 COS Application (EB-2011-0272) Norfolk requested, and was approved for, Retail Transmission Service Rates for its Embedded Distributor class. The five customers within this class are five primary meter points, each owned by Hydro One. Subsequent to the approval of the rate application, Hydro One clarified with Norfolk that because Norfolk does not own the assets upstream of these PME's, Norfolk is not charged

a transmission rate and therefore should not be charging Hydro One RTSR rates. Norfolk therefore requests approval to remove the RTSR rates from the Board Approved Embedded Distributor Tariff of Rates and Charges.

6.0 REVENUE TO COST ADJUSTMENT RATIOS

Norfolk does not have any outstanding revenue-to-cost ratio adjustments previously approved by the Board.

7.0 LRAM and LRAMVA RECOVERY

Norfolk submits the following application for the approval and recovery of historical Lost Revenue Mechanism (LRAM) amounts related to 2011 lost revenues persisting from Conservation and Demand Management (CDM) activities between January 1 2005 and December 31 2010. Previous LRAM claims submitted by Norfolk (EB-2011-0049 and EB-2011-0272) included all lost revenue before January 1 2011 from 2005-2010 CDM programs.

The submitted application is also for the approval and recovery of historical Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) amounts related to lost revenue from 2011 CDM activities between January 1 2011 and December 31 2011. No previous LRAMVA (or LRAM) claims related to 2011 CDM activities have been submitted.

The requested LRAM claim is \$95,375, including carrying charges of \$2,669.

The requested LRAMVA claim is \$15,691, including carrying charges of \$439.

For CDM programs delivered within the 2011-2014 term, the Board established LRAMVA Account 1568 to capture the variance between the Board-approved CDM forecast and the actual results at the customer rate class level. LDCs are to compare the

Board-approved forecasted CDM-related load forecast reductions to actual CDM results. The variance calculated from this comparison shall be recorded in separate sub-accounts for the applicable customer rate classes. Since the load forecast underpinning 2011 rates did not include energy savings from programs launched in 2011, Norfolk is filing an LRAMVA claim on all 2011 energy savings related to CDM programs launched in 2011.

Apart from an LDC being able to file an LRAMVA claim on the variance between CDM related load forecast reductions and actual CDM results, the principles behind LRAM and LRAMVA, as well as the inputs to their calculation and the sources of calculation inputs, are the same.

Both LRAM and LRAMVA claims have been prepared in accordance with the Guidelines for Electricity Distributor Conservation and Demand Management (“CDM Guidelines”) (EB-2012-0003) – April 26, 2012. LRAMVA claims and their associated rate riders are separated from LRAM rate riders in order to track LRAMVA amounts under the Board established Account 1568 as directed in the CDM Guidelines.

Verification and Evaluation of Results for LRAM and LRAMVA claims

Norfolk engaged IndEco Strategic Consulting Inc. to review its CDM program results and aid in the calculation of recovery amounts using OEB guidelines for LRAM and LRAMVA claims. IndEco referred to section 3.4.1 of the Filing Requirements for Electricity Transmission and Distribution Applications (OEB 2012) and Section 13 of the OEB Guidelines for Electricity Distributor Conservation and Demand Management released April 26, 2012, when verifying and evaluating results.

IndEco reported that the values provided in this application are considered valid. The full report prepared by IndEco is available as Appendix D.

LRAM claim

It is requested that the LRAM claim be recovered through a rate rider over a one-year period beginning May 1 2013. Total amount for recovery is \$95,375, including carrying charges of \$2,669. Amounts for LRAM recovery are summarized in Table 5.

Table 5: Summary of Requested LRAM Amounts

	Lost revenue	Carrying charges	Total
Residential	\$57,053	\$1,643	\$58,695
GS < 50 kW	\$26,895	\$774	\$27,669
GS 50 to 4,999 kW	\$8,758	\$252	\$9,010
Total	\$92,706	\$2,669	\$95,375

LRAM Amounts

The requested LRAM amounts are derived from persistent savings in 2011 from Ontario Power Authority (OPA) and third tranche programs. Between the current LRAM claim and Norfolk's previous LRAM claims, all lost revenues from 2005-2010 CDM programs are accounted for up to Norfolk's 2012 cost of service application. This is shown in Table 6 below.

Table 6: History of LRAM Claims

Program	2005	2006	2007	2008	2009	2010	2011	2012 - Cost of Service
2005 Third Tranche programs	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2006 Third Tranche programs		EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2007 Third Tranche programs			EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2008 Third Tranche programs				EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2006 OPA programs		EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2007 OPA programs			EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2008 OPA programs				EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2009 OPA programs					EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2010 OPA programs						EB-2011-0272	Proposed LRAM claim	In load forecast

None of the load reductions estimated was factored into the load forecast underpinning Norfolk rates prior to 2012. The calculation of the load reduction is based on the energy and demand savings and the lifespan of the technology by rate class. The reduction in demand related to these programs after December 31 2011 has been incorporated into the rate forecast for May 1, 2012 onward.

Recovery of LRAM amounts

Norfolk requests recovery of the LRAM amounts by way of volumetric rate riders over a one-year period, effective May 1 2013, with the foregone revenue from each customer class allocated to that class for recovery.

Table 7 sets the corresponding amounts by class, as well as the corresponding rate rider based on forecasted 2012 volume.

Table 7: LRAM Amounts and Proposed Rate Riders by Class

	LRAM	Carrying charges	Total	Unit	2012 Forecasted Billed kWh / kW	Proposed Rate Rider
Residential	\$57,053	\$1,643	\$58,695	kWh	149,120,393	\$0.00039
GS < 50	\$26,895	\$774	\$27,669	kWh	61,992,882	\$0.00045
GS > 50	\$8,758	\$252	\$9,010	kW	344,556	\$0.02615
Total	\$92,706	\$2,669	\$95,375			

Impact on customer bills has been included in the Rate Generator Model and summarized in the applicant's Manager's Summary.

LRAMVA Claim

It is requested that the LRAMVA claim for 2011 energy savings from CDM programs launched in 2011 be recovered through a rate rider over a one-year period beginning May 1 2013. Total amount for recovery is \$15,691, including carrying charges of \$439. Amounts for LRAMVA recovery are summarized in Table 8.

Table 8: Summary of Requested LRAMVA Amounts

	Lost revenue	Carrying charges	Total
Residential	\$8,120	\$234	\$8,354
GS < 50 kW	\$5,644	\$162	\$5,806
GS 50 to 4,999 kW	\$1,487	\$43	\$1,530
Total	\$15,252	\$439	\$15,691

NOTES:

1. Carrying charges were calculated using OEB approved rates.

LRAMVA Amounts

The requested LRAMVA amounts are derived from first year savings from OPA programs launched in 2011. Estimated reductions in demand related to 2011 programs have been incorporated into the load forecast for May 1, 2012 onward; however, at a later date, Norfolk may choose to file an LRAMVA claim based on the variance between forecasted and actual savings from 2011 CDM programs in 2012 and beyond.

Recovery of LRAMVA amounts

Norfolk requests recovery of the LRAMVA amounts by way of volumetric rate riders over a one-year period, effective May 1 2013, as calculated in the 2013 IRM Rate Generator Model.

8.0 MicroFIT FIXED MONTHLY CHARGE

On September 20th 2012 the board issued a letter to all distributors RE: Update to Fixed Monthly charge for MicroFIT Generator Service Classification Board File Numbers EB-2009-0326 and EB-2010-0219. In that letter the board determined that all distributors shall reflect the updated province-wide fixed monthly charge for all electricity distributors related to the MicroFIT Generator Service Classification as \$5.40 per month effective with the implementation of their 2013 cost of service based or incentive

regulation based applications. As part of this application, Norfolk requests an increase in its fixed monthly charge to microFIT customers to \$5.40. The 2013 IRM Rate Generator Model has been updated to reflect this request.

Norfolk currently has 84 microFIT connections and therefore the total impact of this change is an increase in revenue of \$151.20 per year.

9.0 2013 TARIFF OF RATES AND CHARGES

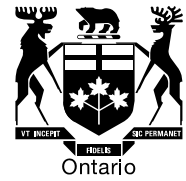
Norfolk has set out at Appendix B a copy of the proposed 2013 Tariff of Rates and Charges, by rate class.

10.0 BILL IMPACTS

Norfolk has set out at Appendix C a copy of the 2013 Bill Impacts for each customer class as calculated in the 2013 IRM Rate Generator Model. The following table summarizes the impact on rates by rate class.

Rate Class	Total Bill Impact
Residential	-0.96%
General Service Less Than 50 kW	-0.63%
General Service 50 to 4,999 kW	-1.52%
Unmetered Scattered Load	-1.04%
Sentinel Lighting	-2.27%
Street Lighting	-2.11%
Embedded Distributor	0.88%

APPENDIX A: 2012 TARIFF SHEET



EB-2011-0272

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 Norfolk Power
Distribution Inc. for an order approving or fixing just and
reasonable rates and other charges for the distribution of
electricity to be effective May 1, 2012.

BEFORE: Karen Taylor
Presiding Member

Ken Quesnelle
Member

Revised RATE ORDER
May 24, 2012

Norfolk Power Distribution Inc. ("Norfolk Power") filed an application with the Ontario Energy Board (the "Board"), received on August 26, 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 Norfolk Power charges for electricity distribution, to be effective May 1, 2012. The Board assigned File Number EB-2011-0272 to the application.

The Board issued its rate order in this proceeding on April 4, 2012. Subsequently, Norfolk Power informed the Board that it had discovered two typographical errors in the Tariff of Rates and Charges issued with this order.

Specifically, the Rate Rider for Global Adjustment Sub-Account disposition was designated as a \$/kW rate for both the GENERAL SERVICE 50 to 4,999 kW class and the SENTINEL LIGHTING class. This designation should have been \$/kWh for both classes.

As a result, the Board has revised the Tariff of Rates and Charges for Norfolk Power.

THE BOARD ORDERS THAT:

1. The revised Tariff of Rates and Charges set out in Appendix A, is effective May 1, 2012 and will apply to electricity consumed or estimated to have been consumed on and after May 1, 2012.
2. The Tariff of Rates and Charges set out in Appendix "A" of this Order supersedes all previous Tariff of Rates and Charges approved by the Ontario Energy Board for the Norfolk Power Distribution Inc. service area, and is final in all respects.
3. Norfolk Power Distribution Inc. shall notify its customers of the rate changes no later than with the first bill reflecting the new rates.

DATED at Toronto, May 24, 2012

ONTARIO ENERGY BOARD

Original signed by

Kirsten Walli
Board Secretary

APPENDIX A

TO Revised RATE ORDER

Norfolk Power Distribution Inc.

EB-2011-0272

DATED: May 24, 2012

Norfolk Power Distribution Inc.

Revised TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012

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

EB-2011-0272

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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	20.77
Rate Rider for Recovery of Residual Historical Smart Meter Costs – effective until April 30, 2016	\$	0.10
Rate Rider for Recovery of Smart Meter Stranded Assets – effective until April 30, 2016	\$	0.93
Distribution Volumetric Rate	\$/kWh	0.0217
Low Voltage Service Rate	\$/kWh	0.0009
Rate Rider for Global Adjustment Sub-Account Disposition – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0033
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	0.0003
Rate Rider for Disposition of PILs Deferral/Variance Account (2012) – effective until April 30, 2013	\$/kWh	0.0006
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – effective until April 30, 2013	\$/kWh	0.00004
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0069
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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

EB-2011-0272

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum 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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	49.74
Rate Rider for Recovery of Residual Historical Smart Meter Costs – effective until April 30, 2016	\$	3.42
Rate Rider for Recovery of Smart Meter Stranded Assets – effective until April 30, 2016	\$	0.93
Distribution Volumetric Rate	\$/kWh	0.0155
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Global Adjustment Sub-Account Disposition – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0033
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	(0.0002)
Rate Rider for Disposition of PILs Deferral/Variance Account (2012) – effective until April 30, 2013	\$/kWh	0.0004
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – effective until April 30, 2013	\$/kWh	0.0001
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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

EB-2011-0272

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	244.38
Rate Rider for Recovery of Residual Historical Smart Meter Costs – effective until April 30, 2016	\$	(1.03)
Rate Rider for Recovery of Smart Meter Stranded Assets – effective until April 30, 2016	\$	0.93
Distribution Volumetric Rate	\$/kW	3.9413
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider for Global Adjustment Sub-Account Disposition – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0033
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kW	(0.3243)
Rate Rider for Disposition of PILs Deferral/Variance Account (2012) – effective until April 30, 2013	\$/kW	0.0627
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – effective until April 30, 2013	\$/kW	0.0003
Retail Transmission Rate – Network Service Rate	\$/kW	2.5546
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2460

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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

Standard Supply Service – Administrative Charge (if applicable)

\$

EB-2011-0272
0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

**This schedule supersedes and replaces all previously
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EB-2011-0272

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Customer)	\$	15.42
Distribution Volumetric Rate	\$/kWh	0.0087
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	(0.0001)
Rate Rider for Disposition of PILs Deferral/Variance Account (2012) – effective until April 30, 2013	\$/kWh	0.0005
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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approved schedules of Rates, Charges and Loss Factors**

EB-2011-0272

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are 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.

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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	6.50
Distribution Volumetric Rate	\$/kW	19.3402
Low Voltage Service Rate	\$/kW	0.2407
Rate Rider for Global Adjustment Sub-Account Disposition – effective until April 30, 2013		
Applicable only for Non-RPP Customers	\$/kWh	0.0033
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kW	1.1141
Rate Rider for Disposition of PILs Deferral/Variance Account (2012) – effective until April 30, 2013	\$/kW	0.6495
Retail Transmission Rate – Network Service Rate	\$/kW	1.9364
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9833

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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EB-2011-0272

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be 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.

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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	1.96
Distribution Volumetric Rate	\$/kW	7.3914
Low Voltage Service Rate	\$/kW	0.2358
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kW	0.0688
Rate Rider for Disposition of PILs Deferral/Variance Account (2012) – effective until April 30, 2013	\$/kW	0.2043
Retail Transmission Rate – Network Service Rate	\$/kW	1.9267
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9632

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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EB-2011-0272

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, and provided electricity by means of Norfolk Power Distribution Inc.'s distribution facilities. 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 Global Adjustment, the Ontario Energy Benefit and the HST.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	613.91
Rate Rider for Deferral/Variance Account Disposition (2012) – effective until April 30, 2013	\$/kWh	(0.0012)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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EB-2011-0272

microFIT GENERATOR 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 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	\$	5.25
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Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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EB-2011-0272

ALLOWANCES

Transformer Allowance for Ownership - General Service 50 to 4,999 kW customers - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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EB-2011-0272

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.

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Customer Administration		
Arrears Certificate	\$	15.00
Statement of Account	\$	15.00
Pulling post-dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income tax letter	\$	15.00
Notification Charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned Cheque charge (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
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
Collection of account charge – no disconnection – after regular hours	\$	165.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect at pole – after regular hours	\$	415.00
Install / remove load control device – during regular hours	\$	65.00
Install / remove load control device – after regular hours	\$	185.00
Service call – customer-owned equipment	\$	30.00
Service call – after regular hours	\$	165.00
Specific Charge for Access to the Power Poles – per pole/year	\$	22.35

Norfolk Power Distribution Inc.
Revised TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012

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

EB-2011-0272

RETAIL SERVICE CHARGES (if applicable)

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.

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

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

LOSS FACTORS

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	1.0564
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0564
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0464
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0464

Appendix B – 2013 Tariff Sheet of Proposed Rates and Charges

Norfolk Power Distribution Ltd.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 01, 2013

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

EB-2012-0151

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 service work 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, an 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,

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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	20.95
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0009
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	0.10
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0004
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Ltd.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 01, 2013

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EB-2012-0151

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum 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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	50.18
Distribution Volumetric Rate	\$/kWh	0.0156
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	3.42
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0005
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Ltd.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 01, 2013

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EB-2012-0151

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 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.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	246.53
Distribution Volumetric Rate	\$/kW	3.9760
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3237)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kW	(0.6615)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4408
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.1396
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	(1.03)
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kW	0.0262
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Ltd.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 01, 2013

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EB-2012-0151

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	15.56
Distribution Volumetric Rate	\$/kWh	0.0088
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0009)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Ltd.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 01, 2013

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approved schedules of Rates, Charges and Loss Factors

EB-2012-0151

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are 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.

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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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.56
Distribution Volumetric Rate	\$/kW	19.5104
Low Voltage Service Rate	\$/kW	0.2407
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3438)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8502
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8994

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Ltd.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 01, 2013

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

EB-2012-0151

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the 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

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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.98
Distribution Volumetric Rate	\$/kW	7.4564
Low Voltage Service Rate	\$/kW	0.2358
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3002)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kW	(0.6052)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8409
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8810

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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EB-2012-0151

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, and provided electricity by means of Norfolk Power Distribution Inc.'s distribution facilities. 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

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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	619.31
Retail Transmission Rate - Network Service Rate	\$/kWh	
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Norfolk Power Distribution Ltd.
TARIFF OF RATES AND CHARGES
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EB-2012-0151

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 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

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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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EB-2012-0151

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

Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Pulling Post Dated Cheques	\$	15.00
Duplicate Invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income Tax Letter	\$	15.00
Notification charge	\$	15.00
Account History	\$	15.00
Credit Reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
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

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EB-2012-0151

SPECIFIC SERVICE CHARGES (continued)

Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Collection of account charge – no disconnection – after regular hours	\$	165.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect at pole – after regular hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Service call – customer owned equipment	\$	30.00
Service call – after regular hours	\$	165.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

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EB-2012-0151

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

LOSS FACTORS

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	1.0564
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0564
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0464
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0464

Appendix C – 2013 Bill Impacts

Residential

Consumption 800 kWh
RPP Tier One 600 kWh
Load Factor
Loss Factor 1.0564

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	600.00	0.0750	45.00	600.00	0.0750	45.00	0.00	0.00%	35.12%	
Energy Second Tier (kWh)	245.12	0.0880	21.57	245.12	0.0880	21.57	0.00	0.00%	16.83%	
TOU - Off Peak	540.88	0.0650	35.16	540.88	0.0650	35.16	0.00	0.00%		27.09%
TOU - Mid Peak	152.12	0.1000	15.21	152.12	0.1000	15.21	0.00	0.00%		11.72%
TOU - On Peak	152.12	0.1170	17.80	152.12	0.1170	17.80	0.00	0.00%		13.72%
Service Charge	1	20.77	20.77	1	20.95	20.95	0.18	0.87%	16.35%	16.14%
Service Charge Rate Rider(s)	1	1.03	1.03	1	1.03	1.03	0.00	0.00%	0.80%	0.79%
Distribution Volumetric Rate	800	0.0217	17.36	800	0.0219	17.52	0.16	0.92%	13.67%	13.50%
Low Voltage Volumetric Rate	800	0.0009	0.72	800	0.0009	0.72	0.00	0.00%	0.56%	0.55%
Distribution Volumetric Rate Rider(s)	800	0.0009	0.75	800	(0.0004)	(0.33)	(1.08)	(143.62)%	-0.26%	-0.25%
Total: Distribution			40.63			39.89	(0.74)	(1.82)%	31.13%	30.74%
Retail Transmission Rate - Network Service Rate	845.12	0.0069	5.83	845.12	0.0066	5.58	(0.25)	-4.29%	4.35%	4.30%
Retail Transmission Rate - Line and Transformation Connection Service Rate	845.12	0.0036	3.04	845.12	0.0033	2.79	(0.25)	-8.22%	2.18%	2.15%
Total: Retail Transmission			8.87			8.37	(0.50)	(5.64)%	6.53%	6.45%
Sub-Total: Delivery (Distribution and Retail Transmission)			49.50			48.26	(1.24)	(2.51)%	37.66%	37.19%
Wholesale Market Service Rate	845.12	0.0052	4.39	845.12	0.0052	4.39	0.00	0.00%	3.43%	3.39%
Rural Rate Protection Charge	845.12	0.0011	0.93	845.12	0.0011	0.93	0.00	0.00%	0.73%	0.72%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.19%
Sub-Total: Regulatory			5.57			5.57	0.00	0.00%	4.35%	4.30%
Debt Retirement Charge (DRC)	800.00	0.00700	5.60	800.00	0.0070	5.60	0.00	0.00%	4.37%	4.32%
Total Bill on RPP (before taxes)			127.24			126.00	(1.24)	(0.97)%	98.33%	
HST		13%	16.54		13%	16.38	(0.16)	(0.97)%	12.78%	
Total Bill (including HST)			143.78			142.38	(1.40)	(0.97)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(14.38)		(10%)	(14.24)	0.14	(0.97)%	-11.11%	
Total Bill on RPP (including OCEB)			129.40			128.14	(1.26)	(0.97)%	100.00%	
Total Bill on TOU (before taxes)			128.84			127.60	(1.24)	(0.96)%		98.33%
HST		13%	16.75		13%	16.59	(0.16)	(0.96)%		12.78%
Total Bill (including HST)			145.59			144.19	(1.40)	(0.96)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(14.56)		(10%)	(14.42)	0.14	(0.96)%		-11.11%
Total Bill on TOU (including OCEB)			131.03			129.77	(1.26)	(0.96)%		100.00%

General Service Less Than 50 kW

Consumption 2,000 kWh
RPP Tier One 750 kWh
Load Factor
Loss Factor 1.0564

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	750.00	0.0750	56.25	750.00	0.0750	56.25	0.00	0.00%	17.90%	
Energy Second Tier (kWh)	1,362.80	0.0880	119.93	1,362.80	0.0880	119.93	0.00	0.00%	38.17%	
TOU - Off Peak	1,352.19	0.0650	87.89	1,352.19	0.0650	87.89	0.00	0.00%		28.50%
TOU - Mid Peak	380.30	0.1000	38.03	380.30	0.1000	38.03	0.00	0.00%		12.33%
TOU - On Peak	380.30	0.1170	44.50	380.30	0.1170	44.50	0.00	0.00%		14.43%
Service Charge	1	49.74	49.74	1	50.18	50.18	0.44	0.88%	15.97%	16.27%
Service Charge Rate Rider(s)	1	4.35	4.35	1	4.35	4.35	0.00	0.00%	1.38%	1.41%
Distribution Volumetric Rate	2000	0.0155	31.00	2,000	0.0156	31.20	0.20	0.65%	9.93%	10.12%
Low Voltage Volumetric Rate	2000	0.0008	1.60	2,000	0.0008	1.60	0.00	0.00%	0.51%	0.52%
Distribution Volumetric Rate Rider(s)	2000	0.0003	0.60	2,000	(0.0004)	(0.70)	(1.30)	(216.67)%	-0.22%	-0.23%
Total: Distribution			87.29			86.63	(0.66)	(0.76)%	27.57%	28.09%
Retail Transmission Rate - Network Service Rate	2,112.80	0.0063	13.31	2,112.80	0.0060	12.68	(0.63)	-4.73%	4.04%	4.11%
Retail Transmission Rate - Line and Transformation Connection Service Rate	2,112.80	0.0031	6.55	2,112.80	0.0028	5.92	(0.63)	-9.62%	1.88%	1.92%
Total: Retail Transmission			19.86			18.60	(1.26)	(6.34)%	5.92%	6.03%
Sub-Total: Delivery (Distribution and Retail Transmission)			107.15			105.23	(1.92)	(1.79)%	33.49%	34.13%
Wholesale Market Service Rate	2,112.80	0.0052	10.99	2,112.80	0.0052	10.99	0.00	0.00%	3.50%	3.56%
Rural Rate Protection Charge	2,112.80	0.0011	2.32	2,112.80	0.0011	2.32	0.00	0.00%	0.74%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			13.56			13.56	0.00	0.00%	4.32%	4.40%
Debt Retirement Charge (DRC)	2,000.00	0.00700	14.00	2,000.00	0.0070	14.00	0.00	0.00%	4.46%	4.54%
Total Bill on RPP (before taxes)			310.89			308.97	(1.92)	(0.62)%	98.33%	
HST		13%	40.42		13%	40.17	(0.25)	(0.62)%	12.78%	
Total Bill (including HST)			351.31			349.14	(2.17)	(0.62)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(35.13)		(10%)	(34.91)	0.22	(0.62)%	-11.11%	
Total Bill on RPP (including OCEB)			316.18			314.22	(1.95)	(0.62)%	100.00%	
Total Bill on TOU (before taxes)			305.13			303.21	(1.92)	(0.63)%		98.33%
HST		13%	39.67		13%	39.42	(0.25)	(0.63)%		12.78%
Total Bill (including HST)			344.80			342.63	(2.17)	(0.63)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(34.48)		(10%)	(34.26)	0.22	(0.63)%		-11.11%
Total Bill on TOU (including OCEB)			310.32			308.36	(1.95)	(0.63)%		100.00%

General Service 50 to 4,999 kW

Consumption 47,246 kWh
 RPP Tier One 750 kWh
 Load Factor 65%
 Loss Factor 1.0564

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	49,910.25	0.0750	3,743.27	49,910.25	0.0750	3,743.27	0.00	0.00%	69.12%	
Energy Second Tier (kWh)	0.00	0.0880	0.00	0.00	0.0880	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	31,942.56	0.0650	2,076.27	31,942.56	0.0650	2,076.27	0.00	0.00%		36.41%
TOU - Mid Peak	8,983.85	0.1000	898.38	8,983.85	0.1000	898.38	0.00	0.00%		15.75%
TOU - On Peak	8,983.85	0.1170	1,051.11	8,983.85	0.1170	1,051.11	0.00	0.00%		18.43%
Service Charge	1	244.38	244.38	1	246.53	246.53	2.15	0.88%	4.55%	4.32%
Service Charge Rate Rider(s)	1	(0.10)	(0.10)	1	(0.10)	(0.10)	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	100	3.9413	394.13	100	3.9760	397.60	3.47	0.88%	7.34%	6.97%
Low Voltage Volumetric Rate	100	0.3050	30.50	100	0.3050	30.50	0.00	0.00%	0.56%	0.53%
Distribution Volumetric Rate Rider(s)	100	(0.2580)	(25.80)	100	(0.9591)	(95.91)	(70.11)	271.72%	-1.77%	-1.68%
Total: Distribution			643.11			578.63	(64.48)	(10.03)%	10.68%	10.15%
Retail Transmission Rate - Network Service Rate	100.00	2.5546	255.46	100.00	2.4408	244.08	(11.38)	-4.45%	4.51%	4.28%
Retail Transmission Rate - Line and Transformation Connection Service Rate	100.00	1.246	124.60	100.00	1.1396	113.96	(10.64)	-8.54%	2.10%	2.00%
Total: Retail Transmission			380.06			358.04	(22.02)	(5.79)%	6.61%	6.28%
Sub-Total: Delivery (Distribution and Retail Transmission)			1,023.17			936.67	(86.50)	(8.45)%	17.29%	16.42%
Wholesale Market Service Rate	49,910.25	0.0052	259.53	49,910.25	0.0052	259.53	0.00	0.00%	4.79%	4.55%
Rural Rate Protection Charge	49,910.25	0.0011	54.90	49,910.25	0.0011	54.90	0.00	0.00%	1.01%	0.96%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%	0.00%
Sub-Total: Regulatory			314.68			314.68	0.00	0.00%	5.81%	5.52%
Debt Retirement Charge (DRC)	47,245.60	0.00700	330.72	47,245.60	0.0070	330.72	0.00	0.00%	6.11%	5.80%
Total Bill on RPP (before taxes)			5,411.84			5,325.34	(86.50)	(1.60)%	98.33%	
HST		13%	703.54		13%	692.29	(11.25)	(1.60)%	12.78%	
Total Bill (including HST)			6,115.38			6,017.63	(97.74)	(1.60)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(611.54)		(10%)	(601.76)	9.77	(1.60)%	-11.11%	
Total Bill on RPP (including OCEB)			5,503.84			5,415.87	(87.97)	(1.60)%	100.00%	
Total Bill on TOU (before taxes)			5,694.33			5,607.83	(86.50)	(1.52)%		98.33%
HST		13%	740.26		13%	729.02	(11.25)	(1.52)%		12.78%
Total Bill (including HST)			6,434.59			6,336.85	(97.74)	(1.52)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(643.46)		(10%)	(633.68)	9.77	(1.52)%		-11.11%
Total Bill on TOU (including OCEB)			5,791.13			5,703.16	(87.97)	(1.52)%		100.00%

Unmetered Scattered Load

Consumption 500 kWh
RPP Tier One 750 kWh
Load Factor
Loss Factor 1.0564

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	528.20	0.0750	39.62	528.20	0.0750	39.62	0.00	0.00%	54.67%	
Energy Second Tier (kWh)	0.00	0.0880	0.00	0.00	0.0880	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	338.05	0.0650	21.97	338.05	0.0650	21.97	0.00	0.00%		29.10%
TOU - Mid Peak	95.08	0.1000	9.51	95.08	0.1000	9.51	0.00	0.00%		12.59%
TOU - On Peak	95.08	0.1170	11.12	95.08	0.1170	11.12	0.00	0.00%		14.73%
Service Charge	1	15.42	15.42	1	15.56	15.56	0.14	0.91%	21.47%	20.61%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	500	0.0087	4.35	500	0.0088	4.40	0.05	1.15%	6.07%	5.83%
Low Voltage Volumetric Rate	500	0.0008	0.40	500	0.0008	0.40	0.00	0.00%	0.55%	0.53%
Distribution Volumetric Rate Rider(s)	500	0.0004	0.20	500	(0.0009)	(0.45)	(0.65)	(325.00)%	-0.62%	-0.60%
Total: Distribution			20.37			19.91	(0.46)	(2.26)%	27.48%	26.37%
Retail Transmission Rate - Network Service Rate	528.20	0.0063	3.33	528.20	0.0060	3.17	(0.16)	-4.80%	4.37%	4.20%
Retail Transmission Rate - Line and Transformation Connection Service Rate	528.20	0.0031	1.64	528.20	0.0028	1.48	(0.16)	-9.76%	2.04%	1.96%
Total: Retail Transmission			4.97			4.65	(0.32)	(6.44)%	6.42%	6.16%
Sub-Total: Delivery (Distribution and Retail Transmission)			25.34			24.56	(0.78)	(3.08)%	33.89%	32.53%
Wholesale Market Service Rate	528.20	0.0052	2.75	528.20	0.0052	2.75	0.00	0.00%	3.79%	3.64%
Rural Rate Protection Charge	528.20	0.0011	0.58	528.20	0.0011	0.58	0.00	0.00%	0.80%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.35%	0.33%
Sub-Total: Regulatory			3.58			3.58	0.00	0.00%	4.94%	4.74%
Debt Retirement Charge (DRC)	500.00	0.00700	3.50	500.00	0.0070	3.50	0.00	0.00%	4.83%	4.64%
Total Bill on RPP (before taxes)			72.03			71.25	(0.78)	(1.08)%	98.33%	
HST		13%	9.36		13%	9.26	(0.10)	(1.08)%	12.78%	
Total Bill (including HST)			81.39			80.51	(0.88)	(1.08)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(8.14)		(10%)	(8.05)	0.09	(1.08)%	-11.11%	
Total Bill on RPP (including OCEB)			73.25			72.46	(0.79)	(1.08)%	100.00%	
Total Bill on TOU (before taxes)			75.02			74.24	(0.78)	(1.04)%		98.33%
HST		13%	9.75		13%	9.65	(0.10)	(1.04)%		12.78%
Total Bill (including HST)			84.77			83.89	(0.88)	(1.04)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(8.48)		(10%)	(8.39)	0.09	(1.04)%		-11.11%
Total Bill on TOU (including OCEB)			76.30			75.50	(0.79)	(1.04)%		100.00%

Sentinel Lighting

Consumption	108 kWh	0.3 kW
RPP Tier One	750 kWh	
Load Factor	49%	
Loss Factor	1.0564	

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	114.36	0.0750	8.58	114.36	0.0750	8.58	0.00	0.00%	35.87%	
Energy Second Tier (kWh)	0.00	0.0880	0.00	0.00	0.0880	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	73.19	0.0650	4.76	73.19	0.0650	4.76	0.00	0.00%		19.36%
TOU - Mid Peak	20.58	0.1000	2.06	20.58	0.1000	2.06	0.00	0.00%		8.38%
TOU - On Peak	20.58	0.1170	2.41	20.58	0.1170	2.41	0.00	0.00%		9.80%
Service Charge	1	6.50	6.50	1	6.56	6.56	0.06	0.92%	27.44%	26.70%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	0	19.3402	5.80	0	19.5104	5.85	0.05	0.88%	24.48%	23.82%
Low Voltage Volumetric Rate	0	0.2407	0.07	0	0.2407	0.07	0.00	0.00%	0.30%	0.29%
Distribution Volumetric Rate Rider(s)	0	1.7669	0.53	0	(0.3438)	(0.10)	(0.63)	(119.46)%	-0.43%	-0.42%
Total: Distribution			12.90			12.38	(0.52)	(4.03)%	51.78%	50.39%
Retail Transmission Rate - Network Service Rate	0.30	1.9364	0.58	0.30	1.8502	0.56	(0.02)	-3.45%	2.34%	2.28%
Retail Transmission Rate - Line and Transformation Connection Service Rate	0.30	0.9833	0.29	0.30	0.8994	0.27	(0.02)	-6.90%	1.13%	1.10%
Total: Retail Transmission			0.87			0.83	(0.04)	(4.60)%	3.47%	3.38%
Sub-Total: Delivery (Distribution and Retail Transmission)			13.77			13.21	(0.56)	(4.07)%	55.25%	53.76%
Wholesale Market Service Rate	114.36	0.0052	0.59	114.36	0.0052	0.59	0.00	0.00%	2.49%	2.42%
Rural Rate Protection Charge	114.36	0.0011	0.13	114.36	0.0011	0.13	0.00	0.00%	0.53%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.05%	1.02%
Sub-Total: Regulatory			0.97			0.97	0.00	0.00%	4.06%	3.95%
Debt Retirement Charge (DRC)	108.25	0.00700	0.76	108.25	0.0070	0.76	0.00	0.00%	3.17%	3.08%
Total Bill on RPP (before taxes)			24.07			23.51	(0.56)	(2.33)%	98.33%	
HST		13%	3.13		13%	3.06	(0.07)	(2.33)%	12.78%	
Total Bill (including HST)			27.20			26.57	(0.63)	(2.33)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(2.72)		(10%)	(2.66)	0.06	(2.33)%	-11.11%	
Total Bill on RPP (including OCEB)			24.48			23.91	(0.57)	(2.33)%	100.00%	
Total Bill on TOU (before taxes)			24.72			24.16	(0.56)	(2.27)%		98.33%
HST		13%	3.21		13%	3.14	(0.07)	(2.27)%		12.78%
Total Bill (including HST)			27.93			27.30	(0.63)	(2.27)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(2.79)		(10%)	(2.73)	0.06	(2.27)%		-11.11%
Total Bill on TOU (including OCEB)			25.14			24.57	(0.57)	(2.27)%		100.00%

Street Lighting

Consumption	66 kWh	0.2 kW
RPP Tier One	- kWh	
Load Factor	45%	
Loss Factor	1.0564	

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	69.74	0.0750	5.23	69.74	0.0750	5.23	0.00	0.00%	50.08%	
Energy Second Tier (kWh)	0.00	0.0880	0.00	0.00	0.0880	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	44.64	0.0650	2.90	44.64	0.0650	2.90	0.00	0.00%		26.74%
TOU - Mid Peak	12.55	0.1000	1.26	12.55	0.1000	1.26	0.00	0.00%		11.57%
TOU - On Peak	12.55	0.1170	1.47	12.55	0.1170	1.47	0.00	0.00%		13.54%
Service Charge	1	1.96	1.96	1	1.98	1.98	0.02	1.02%	18.96%	18.25%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	0	7.3914	1.48	0	7.4564	1.49	0.01	0.88%	14.28%	13.74%
Low Voltage Volumetric Rate	0	0.2358	0.05	0	0.2358	0.05	0.00	0.00%	0.45%	0.43%
Distribution Volumetric Rate Rider(s)	0	0.2731	0.05	0	(0.9054)	(0.18)	(0.24)	(431.53)%	-1.73%	-1.67%
Total: Distribution			3.54			3.34	(0.20)	(5.65)%	31.98%	30.78%
Retail Transmission Rate - Network Service Rate	0.20	1.9267	0.39	0.20	1.8409	0.37	(0.02)	-5.13%	3.54%	3.41%
Retail Transmission Rate - Line and Transformation Connection Service Rate	0.20	0.9632	0.19	0.20	0.8810	0.18	(0.01)	-5.26%	1.72%	1.66%
Total: Retail Transmission			0.58			0.55	(0.03)	(5.17)%	5.27%	5.07%
Sub-Total: Delivery (Distribution and Retail Transmission)			4.12			3.89	(0.23)	(5.58)%	37.24%	35.85%
Wholesale Market Service Rate	69.74	0.0052	0.36	69.74	0.0052	0.36	0.00	0.00%	3.47%	3.34%
Rural Rate Protection Charge	69.74	0.0011	0.08	69.74	0.0011	0.08	0.00	0.00%	0.73%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.39%	2.30%
Sub-Total: Regulatory			0.69			0.69	0.00	0.00%	6.60%	6.35%
Debt Retirement Charge (DRC)	66.02	0.00700	0.46	66.02	0.0070	0.46	0.00	0.00%	4.42%	4.26%
Total Bill on RPP (before taxes)			10.50			10.27	(0.23)	(2.19)%	98.33%	
HST		13%	1.37		13%	1.34	(0.03)	(2.19)%	12.78%	
Total Bill (including HST)			11.87			11.61	(0.26)	(2.19)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(1.19)		(10%)	(1.16)	0.03	(2.19)%	-11.11%	
Total Bill on RPP (including OCEB)			10.68			10.44	(0.23)	(2.19)%	100.00%	
Total Bill on TOU (before taxes)			10.90			10.67	(0.23)	(2.11)%		98.33%
HST		13%	1.42		13%	1.39	(0.03)	(2.11)%		12.78%
Total Bill (including HST)			12.32			12.06	(0.26)	(2.11)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(1.23)		(10%)	(1.21)	0.03	(2.11)%		-11.11%
Total Bill on TOU (including OCEB)			11.09			10.85	(0.23)	(2.11)%		100.00%

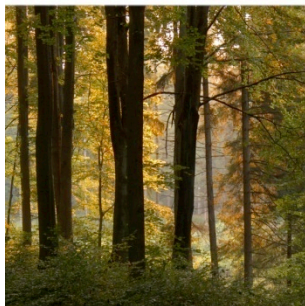
Embedded Distributor

Consumption 500,000 kWh
RPP Tier One - kWh
Load Factor 0%
Loss Factor 1.0564

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL						
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
Energy First Tier (kWh)	0.00	0.0750	0.00	0.00	0.0750	0.00	0.00	0.00%	0.00%	
Energy Second Tier (kWh)	0.00	0.0880	0.00	0.00	0.0880	0.00	0.00	0.00%	0.00%	
TOU - Off Peak	338,048.00	0.0650	21,973.12	338,048.00	0.0650	21,973.12	0.00	0.00%		3487.28%
TOU - Mid Peak	95,076.00	0.1000	9,507.60	95,076.00	0.1000	9,507.60	0.00	0.00%		1508.92%
TOU - On Peak	95,076.00	0.1170	11,123.89	95,076.00	0.1170	11,123.89	0.00	0.00%		1765.44%
Service Charge	1	613.91	613.91	1	619.31	619.31	5.40	0.88%	98.29%	98.29%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	0		0.00	0		0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Volumetric Rate	0		0.00	0		0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	0	(0.0012)	0.00	0	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total: Distribution			613.91			619.31	5.40	0.88%	98.29%	98.29%
Retail Transmission Rate - Network Service Rate	0.00	0.0063	0.00	0.00		0.00	0.00	0.00%	0.00%	0.00%
Retail Transmission Rate - Line and Transformation Connection Service Rate	0.00	0.0031	0.00	0.00		0.00	0.00	0.00%	0.00%	0.00%
Total: Retail Transmission			0.00			0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Delivery (Distribution and Retail Transmission)			613.91			619.31	5.40	0.88%	98.29%	98.29%
Wholesale Market Service Rate	0.00	0.0052	0.00	0.00	0.0052	0.00	0.00	0.00%	0.00%	0.00%
Rural Rate Protection Charge	0.00	0.0011	0.00	0.00	0.0011	0.00	0.00	0.00%	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%	0.04%
Sub-Total: Regulatory			0.25			0.25	0.00	0.00%	0.04%	0.04%
Debt Retirement Charge (DRC)	0.00	0.00700	0.00	0.00	0.0070	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on RPP (before taxes)			614.16			619.56	5.40	0.88%	98.33%	
HST		13%	79.84		13%	80.54	0.70	0.88%	12.78%	
Total Bill (including HST)			694.00			700.10	6.10	0.88%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(69.40)		(10%)	(70.01)	(0.61)	0.88%	-11.11%	
Total Bill on RPP (including OCEB)			624.60			630.09	5.49	0.88%	100.00%	
Total Bill on TOU (before taxes)			614.16			619.56	5.40	0.88%		98.33%
HST		13%	79.84		13%	80.54	0.70	0.88%	12.78%	
Total Bill (including HST)			694.00			700.10	6.10	0.88%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(69.40)		(10%)	(70.01)	(0.61)	0.88%		-11.11%
Total Bill on TOU (including OCEB)			624.60			630.09	5.49	0.88%		100.00%

Appendix D – LRAM Third Party Review

Norfolk Power Distribution Inc. LRAM and LRAMVA



Third party review:

Norfolk Power Distribution Inc. LRAM and
LRAMVA claims



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

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IndEco report B2816

9 October 2012

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Executive summary

IndEco Strategic Consulting Inc. (IndEco) acted as third party reviewer by examining the participant rates, equipment specifications, and calculations that enter into the energy savings associated with NPDI's CDM portfolio. The review was completed as detailed in the OEB *Guidelines for Electricity Distributor Conservation and Demand Management* released April 26, 2012.

This third party review includes lost revenue from CDM for the period between January 1 2011 and December 31 2011 for NPDI's CDM programs launched between 2005 and 2011.

A previous LRAM claim submitted by NPDI (found within rates case EB-2011-0049) included all lost revenue before January 1 2011 from 2005-2009 CDM programs. A second LRAM claim submitted by NPDI (found within rates case EB-2011-0272) and approved as part of a settlement agreement, covered lost revenue from 2010 programs between January 1 2010 and December 31 2010.

This claim is for lost revenues that occurred in 2011. The treatment of energy savings and lost revenue associated with 2005-2010 CDM programs (for LRAM), and energy savings lost revenue associated with 2011 CDM programs (for LRAMVA) are treated separately in this report.

NPDI has advised that savings resulting from programs and energy savings included in this report were not incorporated into its load forecasts nor were part of any LRAM (or LRAMVA) claim previously approved by the OEB.

Lost revenues are calculated using estimated energy savings or monthly peak demand savings using the best available and most current input assumptions.

For 2005-2010 programs (whose associated lost revenues will be claimed through LRAM), these net savings totalled over 3.0 GWh in the residential rate class and 1.9 GWh in the GS < 50 kW rate class. Savings in the GS 50 to 4999 kW rate class totalled approximately 2.4 MW-months, respectively. IndEco concludes that NPDI's lost revenue associated with these programs in 2011 was \$95,375, including carrying charges of \$2,609.

For 2011 programs (whose associated lost revenues will be claimed through LRAMVA), these net savings totalled over 0.4 GWh in the residential rate class and 0.4 GWh in the GS < 50 kW rate class. Savings in the GS 50 to 4999 kW rate class totalled approximately 0.4 MW-months, respectively. IndEco concludes that NPDI's lost revenue associated with these programs in 2011 was \$15,691, including carrying charges of \$439.

Introduction

What is the lost revenue adjustment mechanism (LRAM)

LRAM is designed to ensure that a local distribution company (LDC) does not have a disincentive to promote energy efficiency and energy conservation by compensating the LDC for revenues lost as a result of its conservation initiatives. The LRAM calculation requires information on what the electricity use would have been in the absence of the LDC initiatives, and what it was with the LDC initiative.

Some of the inputs to the calculation include: hours the equipment is used, wattage rating of the old and new equipment, and lifetime of the equipment if it is less than the period over which the LRAM is being claimed. Also required are the number of participants, or pieces of equipment installed, and an estimate of the free-rider rate, which is the fraction of the savings that would have occurred anyway, in the absence of the program.

These savings are estimated for each rate class, and revenue losses are determined by multiplying those losses by the cost of distribution per unit for each rate class. Carrying charges are calculated using deferral and variance account interest rates prescribed by the OEB.¹

The OEB Filing Requirements for Electricity Transmission and Distribution Applications (OEB 2012) state that LRAM claims filed beyond an LDC's 2012 rate application are only for "persisting historical CDM impacts realised after 2010 for those LDCs whose load forecast has not been updated as part of a cost of service application."

The calculation of lost revenues in this third party report were done following the guidance provided for LRAM claims from persistent savings from pre-2011 CDM activities found in section 3.4.4 of the Filing Requirements for Electricity Transmission and Distribution Applications (OEB 2012) and in section 13.6 of the *OEB Guidelines for Electricity Distributor Conservation and Demand Management* released April 26, 2012.

What is the lost revenue adjustment mechanism (LRAMVA)

In the early days of offering CDM programs, energy savings and demand reductions associated with CDM were not incorporated into load forecasts, so any impact of these programs was incremental. As CDM become more established, it became appropriate to incorporate the impact of CDM programs into load forecasts, and to reduce the need for after the fact adjustments. For CDM programs delivered within the 2011-2014 term, the Board established Account 1568 as the LRAMVA to capture the variance between the Board-approved CDM

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

forecast and the actual results at the customer rate class level. The LDC is to compare the Board-approved forecasted CDM related load forecast reductions to the actual CDM results. The variance calculated from this comparison shall be recorded in separate sub-accounts for the applicable customer rate classes.

Apart from an LDC being able to file an LRAMVA claim on the variance between CDM related load forecast reductions and actual CDM results, the principles behind LRAM and LRAMVA, as well as the inputs to their calculation and the sources of calculation inputs are the same.

Because Norfolk Power did not incorporate CDM into its forecast until 2012, there is no difference between LRAM and LRAMVA for the current forecast period, but results are reported separately because of the accounting processes.

Sources of information for LRAM and LRAMVA

Although input data requirements are sometimes measured, they sometimes are values from published sources, or assumptions provided by the Ontario Energy Board, or other reputable agencies. For some types of programs, such as large scale distribution of compact fluorescent bulbs, it would be impractical to measure the hours each bulb is used, for example, and therefore these published sources provide an average value that is typical for this equipment type.

In some cases, estimated values for a particular component of the calculation are available from multiple sources. In these cases, information is taken from the sources highest in the information hierarchy. The information hierarchy (from greatest to least confidence) for LRAM and LRAMVA calculations is:

- 1 Information or results from an OPA conducted or sponsored evaluation of the specific program (e.g. OPA 2012)
- 2 Information or results from a third-party evaluation of the specific program
- 3 Information or results from a site-specific assessment of the application of the technology, including on-site measurement or survey of the specific customer
- 4 Manufacturer specifications for energy use/demand of the specific technology installed
- 5 Information from the OPA's most current measures and assumptions lists (OPA 2011a, OPA 2011b)
- 6 Information from earlier OPA measures and assumptions lists
- 7 Information from the OEB's TRC guide list of measures and assumptions (OEB 2008b).

Scope

Scope of lost revenue claimed under LRAM

This review examines the measures, energy savings, and equipment specifications for programs launched in the third tranche between 2005 and 2008, as well as under contract to the OPA between 2006 and 2010. NPDI has confirmed that none of the energy savings included in this report were included in any load forecast prior to 2012. Lost revenues considered in this document are based on persistent energy savings from these programs between January 1 2011 and December 31 2011. Lost revenues from CDM savings occurring before January 1 2011 were claimed in two previous LRAM claims (EB-2011-0049 and EB-2011-0272). Energy savings beyond December 31 2011 from these programs are included in NPDI's 2012 load forecast.

The calculation of lost revenues have been done following the guidance provided for LRAM claims from persistent savings from pre-2011 CDM activities provided in section 3.4.4 of the Filing Requirements for Electricity Transmission and Distribution Applications (OEB 2012).

Table 1. History of LRAM claims for programs for which an LRAM is currently being proposed

Program	2005	2006	2007	2008	2009	2010	2011	2012 - Cost of service year
2005 Third Tranche programs	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2006 Third Tranche programs		EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2007 Third Tranche programs			EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2008 Third Tranche programs				EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2006 OPA programs		EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2007 OPA programs			EB-2011-0049	EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2008 OPA programs				EB-2011-0049	EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2009 OPA programs					EB-2011-0049	EB-2011-0049	Proposed LRAM claim	In load forecast
2010 OPA programs						EB-2011-0272	Proposed LRAM claim	In load forecast

Scope of lost revenue claimed under LRAMVA

This review examines the measures, energy savings, and equipment specifications for programs launched under contract to the OPA in 2011. NPDI has confirmed that none of the energy savings included in this report were included in any load forecast prior to 2012. Lost revenues considered in this document are based on first year energy savings from 2011 programs between January 1 2011 and December 31 2011. Lost revenues from CDM savings beyond December 31 2011 arising from variance between forecasted and actual 2011 CDM program results are not being considered in the proposed LRAMVA claim.

The calculation of lost revenues have been done following the guidance provided for LRAMVA claims from 2011-2014 CDM activities provided in section 3.4.3 of the Filing Requirements for Electricity Transmission and Distribution Applications (OEB 2012).

Table 2. Proposed LRAMVA claim period

Program	2007	2008	2009	2010	2011	2012 - Cost of service year
2011 OPA programs					Proposed LRAMVA claim	Estimated in load forecast (subject to LRAMVA variance adjustment)

Input sources

Calculation inputs

IndEco finds that appropriate measure specifications were used to calculate prescriptive program energy savings.

Inputs for calculating lost revenue for proposed LRAM claim

For the calculation of LRAM claims, prescriptive measures used values provided by the 2011 OPA Measures and Assumptions lists (OPA 2011a and OPA 2011b).

Exceptions to the sources of prescriptive measure input assumptions used in the calculation of LRAM claims are as follows:

- The '2006-2009 Final OPA CDM results Norfolk Power Distribution Inc.', and the '2010 Final OPA CDM Results Norfolk Power Distribution Inc.', were used as sources of inputs for OPA funded CDM programs. These evaluated results have been adopted in accordance with Board recommendations the Board would consider an evaluation by the OPA, or a third party designated by the OPA, to be sufficient. OPA advises that these estimates are prepared in a manner consistent with OPA current practice, and are the same values used to report progress against provincial conservation targets.

Custom measures were substantiated through documentation such as invoices of equipment type, wattage, and savings provided by program-specific evaluations. All custom inputs remain unchanged from NPDI's previous board-approved LRAM claims within rates cases EB-2011-0049 and EB-2011-0272.

A summary list of the input sources used for the calculation of the lost revenues that form the basis of the proposed LRAM claim is provided in Table 3.

Table 3 – Source of information used for the calculation of lost revenues for programs associated with proposed LRAM claim

Funding source	Rate class	Program	Source of LRAM inputs (see References section)
Third Tranche	GS < 50 kW and GS > 50 kW	2005 Energy Audits for Major Customers	OPA 2011b and program-specific evaluation
	Residential	2005 Energy Star Window Program	Program-specific evaluation
	Residential	2005 Water Heater Replacement Program	Program-specific evaluation
	Residential	2005 Lighten Your Electricity Bill	OPA 2011a
	GS < 50 kW and GS > 50 kW	2006 Energy Audits for Major Customers	OPA 2011a, OPA 2011b and program-specific evaluation
	Residential	2006 CFL Education and Giveaway	OPA 2011a

Funding source	Rate class	Program	Source of LRAM inputs (see References section)
	Residential	2006 LED Light Exchange	OPA 2011a
	Residential	2006 Every Kilowatt Counts	OPA 2010
	Residential	2007 Water Heater Replacement Program	Program-specific evaluation
	GS < 50 kW	2007 Norfolk Power Facility Lighting Program	OPA 2011b
	Residential	2007 CFL Education and Giveaway	OPA 2011a
	Residential	2007 LED Light Exchange	OPA 2011a
	Residential	2007 Every Kilowatt Counts	OPA 2010
	Residential	2007 Energy Star Appliance Rebate Program	OPA 2011a
	Residential	2007 Res Customer Program - Education	OPA 2011a
	Residential	2008 CFL Education and Giveaway	OPA 2011a
	Residential	2008 Energy Star Appliance Rebate Program	OPA 2011a
	Residential	2008 Res Customer Program - Education	OPA 2011a
OPA	Residential	2006 Cool Savings Rebate Program	OPA 2010
	Residential	2006 Secondary Fridge Retirement Pilot	OPA 2010
	Residential	2007 Great Refrigerator Roundup	OPA 2010
	Residential	2007 Cool Savings Rebate Program	OPA 2010
	Residential, GS < 50 kW and GS > 50 kW	2007 peaksaver	OPA 2010
	Residential	2007 Summer Savings	OPA 2010
	Residential	2007 Social Housing - Pilot	OPA 2010
	GS < 50 kW and GS > 50 kW	2007 ERIP	OPA 2010
	Residential	2008 Great Refrigerator Roundup	OPA 2010
	Residential	2008 Cool Savings Rebate Program	OPA 2010
	Residential	2008 Summer Sweepstakes	OPA 2010
	Residential	2008 Every Kilowatt Counts - PSE	OPA 2010
	Residential, GS < 50 kW and GS > 50 kW	2008 peaksaver	OPA 2010
	GS < 50 kW and GS > 50 kW	2008 ERIP	OPA 2010
	Residential	2008 High Performance New Construction	OPA 2010
	Residential	2009 Great Refrigerator Roundup	OPA 2010
	Residential	2009 Cool Savings Rebate Program	OPA 2010
	Residential	2009 Every Kilowatt Counts - PSE	OPA 2010
	Residential, GS < 50 kW and GS > 50 kW	2009 peaksaver	OPA 2010
	GS < 50 kW and GS > 50 kW	2009 ERIP	OPA 2010
	GS < 50 kW	2009 High Performance New Construction	OPA 2010
	GS < 50 kW	2009 Power Savings Blitz	OPA 2010

Funding source	Rate class	Program	Source of LRAM inputs (see References section)
	Residential	2010 Great Refrigerator Roundup	OPA 2011c
	Residential	2010 Cool Savings Rebate Program	OPA 2011c
	Residential	2010 Every Kilowatt Counts - PSE	OPA 2011c
	Residential, GS < 50 kW	2010 peaksaver	OPA 2011c
	GS < 50 kW and GS > 50 kW	2010 ERIP	OPA 2011c
	GS < 50 kW	2010 High Performance New Construction	OPA 2011c
	GS < 50 kW	2010 Power Savings Blitz	OPA 2011c

The measure inputs used to calculate lost revenues can be found in Table 14 in Appendix A.

Inputs for calculating lost revenue for proposed LRAMVA claim

The '2011 Final Annual Report Data Norfolk Power Distribution Inc.' report was used as the source of inputs for 2011 OPA funded CDM programs. These evaluated results have been adopted in accordance with Board recommendations that the Board would consider an evaluation by the OPA, or a third party designated by the OPA, to be sufficient. OPA advises that these estimates are prepared in a manner consistent with OPA current practice, and are the same values used to report progress against provincial conservation targets.

Table 4 lists the sources of inputs used for calculating lost revenue associated with the proposed LRAMVA claim.

Table 4 – Source of information used for the calculation of lost revenues for programs associated with proposed LRAMVA claim

Funding source	Rate class	Program	Source of LRAMVA inputs (see References section)
OPA	Residential	2011 Appliance Retirement	OPA 2012
	Residential	2011 Appliance Exchange	OPA 2012
	Residential	2011 HVAC Incentives	OPA 2012
	Residential	2011 Conservation Instant Coupon Booklet	OPA 2012
	Residential	2011 Bi-Annual Retailer Event	OPA 2012
	Residential	2011 Residential New Construction	OPA 2012
	GS < 50 kW	2011 Efficiency: Equipment Replacement C&I	OPA 2012
	GS < 50 kW	2011 Direct Install Lighting	OPA 2012
	GS 50 - 4999 kW	2011 Efficiency: Equipment Replacement Industrial	OPA 2012
	GS < 50 kW and GS 50 - 4999 kW	2011 Pre-2011 ERIP completed in 2011	OPA 2012
	GS < 50 kW	2011 Pre-2011 HPNC completed in 2011	OPA 2012

The measure inputs used to calculate lost revenues can be found in Table 15 in Appendix A.

Energy savings and lost revenues

Table 5 and Table 7 show the net and gross energy savings or demand reductions of each program by rate class for lost revenue associated with the proposed LRAM claim.

Table 6 and Table 8 show the net and gross energy savings or demand reductions of each program by rate class for lost revenue associated with the proposed LRAMVA claim.

Energy savings were converted to lost revenues by using NPD distribution rates. Distribution rates are in Table 9.

The total lost revenues are presented in Table 10 and in Table 11 for the proposed LRAM and LRAMVA claims, respectively.

Table 16 and Table 17 show the quarterly breakdown of lost revenue and carrying charges for which LRAM and LRAMVA will be claimed, respectively.

Table 5 – Net energy savings and demand savings by rate class for programs associated with LRAM claim

Rate class	Program	Units	2010	2011	2012	kWh total	kW-mo total
Residential	2005 Energy Star Window Program	kWh	0	3,485	0	3,485	
	2005 Lighten Your Electricity Bill	kWh	0	84,249	0	84,249	
	2005 Water Heater Replacement	kWh	0	27,822	0	27,822	
	2006 CFL Education and Giveaway	kWh	0	28,499	0	28,499	
	2006 Cool Savings Rebate Program	kWh	0	32,592	0	32,592	
	2006 Every Kilowatt Counts	kWh	0	160,629	0	160,629	
	2006 LED Light Exchange	kWh	0	11,813	0	11,813	
	2006 Secondary Fridge Retirement	kWh	0	19,450	0	19,450	
	2007 CFL Education and Giveaway	kWh	0	248,360	0	248,360	
	2007 Cool Savings Rebate Program	kWh	0	104,710	0	104,710	
	2007 Energy Star Appliance Rebate	kWh	0	1,064	0	1,064	
	2007 Every Kilowatt Counts	kWh	0	452,407	0	452,407	
	2007 Great Refrigerator Roundup	kWh	0	75,039	0	75,039	
	2007 LED Light Exchange	kWh	0	23,625	0	23,625	
	2007 Res Customer Program -	kWh	0	1,552	0	1,552	
	2007 Social Housing - Pilot	kWh	0	41,273	0	41,273	
	2007 Water Heater Replacement	kWh	0	22,391	0	22,391	
	2008 CFL Education and Giveaway	kWh	0	93,135	0	93,135	
	2008 Cool Savings Rebate Program	kWh	0	74,747	0	74,747	
	2008 Energy Star Appliance Rebate	kWh	0	20,048	0	20,048	
	2008 Every Kilowatt Counts - PSE	kWh	0	409,422	0	409,422	
	2008 Great Refrigerator Roundup	kWh	0	171,096	0	171,096	
	2008 peaksaver	kWh	0	2,032	0	2,032	
	2008 Res Customer Program -	kWh	0	1,552	0	1,552	
	2008 Summer Sweepstakes	kWh	0	149,622	0	149,622	
	2009 Cool Savings Rebate Program	kWh	0	101,514	0	101,514	

Rate class	Program	Units	2010	2011	2012	kWh total	kW-mo total
	2009 Every Kilowatt Counts - PSE	kWh	0	169,193	0	169,193	
	2009 Great Refrigerator Roundup	kWh	0	139,048	0	139,048	
	2009 peaksaver	kWh	0	877	0	877	
	2010 Cool Savings Rebate	kWh	0	103,533	0	103,533	
	2010 Every Kilowatt Counts - PSE	kWh	0	66,644	0	66,644	
	2010 Great Refrigerator Roundup	kWh	0	161,247	0	161,247	
	2010 peaksaver	kWh	0	95	0	95	
Residential total			0	3,002,765	0	3,002,765	
GS <50 kW	2007 ERIP	kWh	0	13,775	0	13,775	
	2007 Norfolk Power Facility Lighting	kWh	0	29,267	0	29,267	
	2008 ERIP	kWh	0	5,789	0	5,789	
	2008 HPNC	kWh	0	824	0	824	
	2008 peaksaver	kWh	0	287	0	287	
	2009 ERIP	kWh	0	236,200	0	236,200	
	2009 HPNC	kWh	0	25,132	0	25,132	
	2009 peaksaver	kWh	0	124	0	124	
	2009 Power Savings Blitz	kWh	0	1,200,662	0	1,200,662	
	2010 ERIP	kWh	0	2,886	0	2,886	
	2010 HPNC	kWh	0	84,847	0	84,847	
	2010 MEER	kWh	0	11,517	0	11,517	
	2010 peaksaver	kWh	0	285	0	285	
	2010 Power Savings Blitz	kWh	0	323,617	0	323,617	
GS < 50 kW total			0	1,935,212	0	1,935,212	
GS 50 - 4999 kW	2005 Energy Audits for Major Customers	kW-mo	0	50	0		50
	2006 Energy Audits for Major Customers	kW-mo	0	565	0		565
	2007 ERIP	kW-mo	0	238	0		238
	2007 peaksaver	kW-mo	0	1	0		1
	2008 ERIP	kW-mo	0	39	0		39
	2008 peaksaver	kW-mo	0	43	0		43
	2009 ERIP	kW-mo	0	1,410	0		1,410
	2009 peaksaver	kW-mo	0	44	0		44
	2010 ERIP	kW-mo	0	25	0		25
GS 50 - 4999 kW total			0	2,415	0		2,415
Portfolio total						4,937,977	2,415

1. Rates for general service rate class of customers rated at greater than 50 kW are on a monthly demand basis (kW), not an energy one (kWh). Lost revenue results when the customer's monthly peak demand is lower than it otherwise would be as a result of the CDM initiatives. These are measured in kW-month, which is the reduction within one month of the peak kilowatt demand. Excluded are peak demand reductions associated with demand response programs, which are not anticipated to impact on revenues.
2. The years 2010 and 2012 are included in the table to indicate that no energy or demand savings from years other than 2011 were included in calculating lost revenue.

Table 6 – Net energy savings and demand savings by rate class for programs associated with LRAMVA claim

Rate class	Program	Units	2010	2011	2012	kWh total	kW-mo total
Residential	2011 Appliance Exchange	kWh	0	2,667	0	2,667	
	2011 Appliance Retirement	kWh	0	82,647	0	82,647	
	2011 Bi-Annual Retailer Event	kWh	0	102,715	0	102,715	
	2011 Conservation Instant Coupon	kWh	0	68,005	0	68,005	
	2011 HVAC Incentives	kWh	0	170,611	0	170,611	
	2011 Residential New Construction	kWh	0	743	0	743	
Residential total			0	427,388	0	427,388	
GS <50 kW	2011 Direct Install Lighting	kWh	0	302,840	0	302,840	
	2011 EERI C&I	kWh	0	69,107	0	69,107	
	2011 Pre-2011 HPNC in 2011	kWh	0	970	0	970	
	2011 Pre-2011 ERIP in 2011	kWh	0	33,113	0	33,113	
GS < 50 kW total			0	406,030	0	406,030	
GS 50 - 4999 kW	2011 Pre-2011 ERIP in 2011	kW-mo	0	241	0		241
	2011 EERI Industrial	kW-mo	0	169	0		169
GS 50 - 4999 kW total			0	410	0		410
Portfolio total						833,418	410

1. Programs identified as “Pre-2011” refer to projects whose applications were submitted in 2010 but were completed in 2011. Savings from these programs are not double counted elsewhere in the calculation of NPDI’s lost revenue. Including these programs under NPDI’s proposed LRAMVA claim (as opposed to its LRAM claim) is consistent with the OPA’s treatment of these programs as 2011 programs under the current 2011-2014 framework.

Table 7 – Gross energy savings and demand savings by rate for programs associated with LRAM claim

Rate class	Program	Units	2010	2011	2012	kWh total	kW-mo total
Residential	2005 Energy Star Window Program	kWh	0	4,978	0	4,978	
	2005 Lighten Your Electricity Bill	kWh	0	120,356	0	120,356	
	2005 Water Heater Replacement	kWh	0	27,822	0	27,822	
	2006 CFL Education and Giveaway	kWh	0	40,713	0	40,713	
	2006 Cool Savings Rebate Program	kWh	0	36,213	0	36,213	
	2006 Every Kilowatt Counts	kWh	0	178,476	0	178,476	
	2006 LED Light Exchange	kWh	0	16,875	0	16,875	
	2006 Secondary Fridge Retirement	kWh	0	21,611	0	21,611	
	2007 CFL Education and Giveaway	kWh	0	354,800	0	354,800	
	2007 Cool Savings Rebate Program	kWh	0	199,321	0	199,321	
	2007 Energy Star Appliance Rebate	kWh	0	1,519	0	1,519	
	2007 Every Kilowatt Counts	kWh	0	639,044	0	639,044	
	2007 Great Refrigerator Roundup	kWh	0	154,855	0	154,855	
	2007 LED Light Exchange	kWh	0	33,750	0	33,750	
	2007 Res Customer Program -	kWh	0	2,218	0	2,218	
	2007 Social Housing - Pilot	kWh	0	41,273	0	41,273	
	2007 Water Heater Replacement	kWh	0	22,391	0	22,391	
	2008 CFL Education and Giveaway	kWh	0	133,050	0	133,050	
	2008 Cool Savings Rebate Program	kWh	0	139,389	0	139,389	

Rate class	Program	Units	2010	2011	2012	kWh total	kW-mo total
	2008 Energy Star Appliance Rebate	kWh	0	28,639	0	28,639	
	2008 Every Kilowatt Counts - PSE	kWh	0	1,014,768	0	1,014,768	
	2008 Great Refrigerator Roundup	kWh	0	315,195	0	315,195	
	2008 peaksaver	kWh	0	2,258	0	2,258	
	2008 Res Customer Program -	kWh	0	2,218	0	2,218	
	2008 Summer Sweepstakes	kWh	0	191,823	0	191,823	
	2009 Cool Savings Rebate Program	kWh	0	237,593	0	237,593	
	2009 Every Kilowatt Counts - PSE	kWh	0	435,097	0	435,097	
	2009 Great Refrigerator Roundup	kWh	0	256,523	0	256,523	
	2009 peaksaver	kWh	0	975	0	975	
	2010 Cool Savings Rebate	kWh	0	147,904	0	147,904	
	2010 Every Kilowatt Counts - PSE	kWh	0	95,206	0	95,206	
	2010 Great Refrigerator Roundup	kWh	0	230,353	0	230,353	
	2010 peaksaver	kWh	0	104	0	104	
Residential total			0	5,127,310	0	5,127,310	
GS <50 kW	2007 ERIP	kWh	0	15,305	0	15,305	
	2007 Norfolk Power Facility Lighting	kWh	0	29,267	0	29,267	
	2008 ERIP	kWh	0	5,789	0	5,789	
	2008 HPNC	kWh	0	1,177	0	1,177	
	2008 peaksaver	kWh	0	319	0	319	
	2009 ERIP	kWh	0	284,578	0	284,578	
	2009 HPNC	kWh	0	35,903	0	35,903	
	2009 peaksaver	kWh	0	138	0	138	
	2009 Power Savings Blitz	kWh	0	1,263,855	0	1,263,855	
	2010 ERIP	kWh	0	4,123	0	4,123	
	2010 HPNC	kWh	0	121,210	0	121,210	
	2010 MEER	kWh	0	15,635	0	15,635	
	2010 peaksaver	kWh	0	313	0	313	
	2010 Power Savings Blitz	kWh	0	462,309	0	462,309	
GS < 50 kW total			0	2,239,921	0	2,239,921	
GS 50 - 4999 kW	2005 Energy Audits for Major Customers	kW-mo	0	100	0		100
	2006 Energy Audits for Major Customers	kW-mo	0	642	0		642
	2007 ERIP	kW-mo	0	264	0		264
	2007 peaksaver	kW-mo	0	1	0		1
	2008 ERIP	kW-mo	0	39	0		39
	2008 peaksaver	kW-mo	0	48	0		48
	2009 ERIP	kW-mo	0	1,699	0		1,699
	2009 peaksaver	kW-mo	0	49	0		49
	2010 ERIP	kW-mo	0	35	0		35
GS 50 - 4999 kW total			0	2,877	0		2,877
Portfolio total			0			7,367,231	2,877

Table 8 – Gross energy savings and demand savings by rate class for programs associated with LRAMVA claim

Rate class	Program	Units	2010	2011	2012	kWh total	kW-mo total
Residential	2011 Appliance Exchange	kWh	0	5,503	0	5,503	
	2011 Appliance Retirement	kWh	0	173,121	0	173,121	
	2011 Bi-Annual Retailer Event	kWh	0	102,715	0	102,715	
	2011 Conservation Instant Coupon	kWh	0	68,005	0	68,005	
	2011 HVAC Incentives	kWh	0	424,631	0	424,631	
	2011 Residential New Construction	kWh	0	1,260	0	1,260	
Residential total			0	775,235	0	775,235	
GS <50 kW	2011 Direct Install Lighting	kWh	0	4,237,849	0	4,237,849	
	2011 EERI C&I	kWh	0	290,651	0	290,651	
	2011 Pre-2011 HPNC in 2011	kWh	0	1,941	0	1,941	
	2011 Pre-2011 ERIP in 2011	kWh	0	77,944	0	77,944	
GS < 50 kW total			0	4,608,385	0	4,608,385	
GS 50 - 4999 kW	2011 Pre-2011 ERIP in 2011	kW-mo	0	558	0		558
	2011 EERI Industrial	kW-mo	0	626	0		626
GS 50 - 4999 kW total			0	1,184	0		1,184
Portfolio total			0			5,383,620	1,184

Table 9 – Distribution rates per rate class

Rate Class	Units	2011
Residential	\$/kWh	0.0190
GS < 50 kW	\$/kWh	0.0139
GS 50 to 4999 kW	\$/kW-mo	3.6285

Table 10 – Summary of requested LRAM amounts from 2011 lost revenue reported in 2013¹

Rate class	Program	Launch Year	2010	2011	2012
Residential	Energy Star Window Program	2005	0	\$68	0
Residential	Lighten Your Electricity Bill	2005	0	\$1,647	0
Residential	Water Heater Replacement Program	2005	0	\$544	0
Residential	CFL Education and Giveaway	2006	0	\$557	0
Residential	Cool Savings Rebate	2006	0	\$637	0
Residential	Every Kilowatt Counts	2006	0	\$3,140	0
Residential	LED Light Exchange	2006	0	\$231	0
Residential	Secondary Fridge Retirement Pilot	2006	0	\$380	0
Residential	CFL Education and Giveaway	2007	0	\$4,855	0
Residential	Cool Savings Rebate	2007	0	\$2,047	0
Residential	Energy Star Appliance Rebate Program	2007	0	\$21	0
Residential	Every Kilowatt Counts	2007	0	\$8,843	0

Rate class	Program	Launch Year	2010	2011	2012
Residential	Great Refrigerator Roundup	2007	0	\$1,467	0
Residential	LED Light Exchange	2007	0	\$462	0
Residential	Lighten Your Electricity Bill	2007	0	\$30	0
Residential	Social Housing - Pilot	2007	0	\$807	0
Residential	Water Heater Replacement Program	2007	0	\$438	0
Residential	CFL Education and Giveaway	2008	0	\$1,821	0
Residential	Cool Savings Rebate	2008	0	\$1,461	0
Residential	Energy Star Appliance Rebate Program	2008	0	\$392	0
Residential	Every Kilowatt Counts - PSE	2008	0	\$8,003	0
Residential	Great Refrigerator Roundup	2008	0	\$3,344	0
Residential	Lighten Your Electricity Bill	2008	0	\$30	0
Residential	Peaksaver	2008	0	\$40	0
Residential	Summer Sweepstakes	2008	0	\$2,925	0
Residential	Cool Savings Rebate	2009	0	\$1,984	0
Residential	Every Kilowatt Counts - PSE	2009	0	\$3,307	0
Residential	Great Refrigerator Roundup	2009	0	\$2,718	0
Residential	Peaksaver	2009	0	\$17	0
Residential	Cool Savings Rebate	2010	0	\$2,024	0
Residential	Every Kilowatt Counts - PSE	2010	0	\$1,303	0
Residential	Great Refrigerator Roundup	2010	0	\$3,152	0
Residential	Peaksaver	2010	0	\$2	0
Residential total			0	\$58,695	0
GS < 50 kW	ERIP	2007	0	\$197	0
GS < 50 kW	Norfolk Power Facility Lighting Program	2007	0	\$419	0
GS < 50 kW	ERIP	2008	0	\$78	0
GS < 50 kW	High Performance New Construction	2008	0	\$12	0
GS < 50 kW	peaksaver	2008	0	\$4	0
GS < 50 kW	ERIP	2009	0	\$3,378	0
GS < 50 kW	High Performance New Construction	2009	0	\$359	0
GS < 50 kW	peaksaver	2009	0	\$2	0
GS < 50 kW	Power Savings Blitz	2009	0	\$17,170	0
GS < 50 kW	ERIP	2010	0	\$41	0
GS < 50 kW	High Performance New Construction	2010	0	\$1,213	0
GS < 50 kW	Multifamily Energy Efficiency Rebates	2010	0	\$165	0
GS < 50 kW	peaksaver	2010	0	\$4	0
GS < 50 kW	Power Savings Blitz	2010	0	\$4,628	0
GS < 50 kW total			0	\$27,669	0
GS 50 - 4999 kW	Energy Audits for Major Customers	2005	0	\$187	0
GS 50 - 4999 kW	Energy Audits for Major Customers	2006	0	\$2,109	0
GS 50 - 4999 kW	ERIP	2007	0	\$889	0
GS 50 - 4999 kW	peaksaver	2007	0	\$2	0
GS 50 - 4999 kW	ERIP	2008	0	\$144	0
GS 50 - 4999 kW	peaksaver	2008	0	\$161	0

Rate class	Program	Launch Year	2010	2011	2012
GS 50 - 4999 kW	ERIP	2009	0	\$5,264	0
GS 50 - 4999 kW	peaksaver	2009	0	\$164	0
GS 50 - 4999 kW	ERIP	2010	0	\$92	0
GS 50 - 4999 kW total			0	\$9,010	0
Total Lost revenue				\$95,375	

1. LRAM amounts for are for persistent energy (or demand) reductions in 2011. Carrying charges are included.
2. 2010 and 2012 are included in this table only to show that no lost revenue from years other than 2011 is being claimed.

Table 11 – Summary of requested LRAMVA amounts from 2011 lost revenue reported in 2013¹

Rate class	Program	Launch Year	2010	2011	2012
Residential	Appliance Exchange	2011	0	\$52	0
Residential	Appliance Retirement	2011	0	\$1,615	0
Residential	Bi-Annual Retailer Event	2011	0	\$2,008	0
Residential	Conservation Instant Coupon Booklet	2011	0	\$1,329	0
Residential	HVAC Incentives	2011	0	\$3,335	0
Residential	Residential New Construction	2011	0	\$15	0
Residential total			0	\$8,354	0
GS < 50 kW	Direct Install Lighting	2011	0	\$4,331	0
GS < 50 kW	Efficiency: Equipment Replacement C&I	2011	0	\$988	0
GS < 50 kW	Pre-2011 ERIP completed in 2011	2011	0	\$474	0
GS < 50 kW	Pre-2011 HPNC completed in 2011	2011	0	\$14	0
GS < 50 kW total			0	\$5,806	0
GS 50 - 4999 kW	Efficiency: Equipment Replacement Industrial	2011	0	\$631	0
GS 50 - 4999 kW	Pre-2011 ERIP completed in 2011	2011	0	\$899	0
GS 50 - 4999 kW total			0	\$1,530	0
Total Lost revenue				\$15,691	

1. LRAMVA amounts for are for first year energy (or demand) reductions in 2011. Carrying charges are included.
2. 2010 and 2012 are included in this table only to show that no lost revenue from years other than 2011 is being claimed.

Findings

LRAM findings

IndEco has reviewed the input values associated with persistent energy savings in 2011 from 2005-2010 CDM programs. NPDI realized lost revenues of \$95,375 because of reduced sales of electricity and demand occurring as a result of its 2005-2010 CDM programs in 2011.

These losses are allocated by rate class as shown in Table 12. Where an LDC is entitled to make a claim for lost revenues, the OEB has prescribed rates at which carrying charges may be levied for these claims. These carrying charges are also presented in Table 12.

Table 12 – Lost revenues by rate class with carrying charges that form the basis of NPDI's LRAM claim

Rate class	Lost revenue	Carrying charges	Total
Residential	\$57,053	\$1,643	\$58,695
GS < 50 kW	\$26,895	\$774	\$27,669
GS 50 to 4999 kW	\$8,758	\$252	\$9,010
Total	\$92,706	\$2,669	\$95,375

LRAMVA findings

IndEco has reviewed the input values associated with first year energy savings in 2011 from 2011 CDM programs that will form the basis of a proposed LRAMVA claim. NPDI realized lost revenues of \$15,691 because of reduced sales of electricity and demand occurring as a result of its 2011 CDM programs in 2011.

These losses are allocated by rate class as shown in Table 13. Where an LDC is entitled to make a claim for lost revenues, the OEB has prescribed rates at which carrying charges may be levied for these claims. These carrying charges are also presented in Table 13.

Table 13 – Lost revenues by rate class with carrying charges that form the basis of NPDI's LRAMVA claim

Rate class	Lost revenue	Carrying charges	Total
Residential	\$8,120	\$234	\$8,354
GS < 50 kW	\$5,644	\$162	\$5,806
GS 50 to 4999 kW	\$1,487	\$43	\$1,530
Total	\$15,252	\$439	\$15,691

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Appendix A. Inputs used for lost revenue savings calculations

Table 14 – Lost revenue inputs and contribution to the total lost revenues for all measures in NPDI's proposed LRAM claim

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2005 Energy Star Window Program	Energy Star Windows	185	30%	26.91	0.0080	Norfolk analysis
2005 Water Heater Replacement Program	40 Gallon Efficient Tanks	104	0%	219.00	0.0250	Norfolk analysis
2005 Water Heater Replacement Program	60 Gallon Efficient Tanks	24	0%	210.24	0.0240	Norfolk analysis
2005 Lighten Your Electricity Bill	15W CFL	1,338	30%	44.35	0.0014	2011 OPA M&A List
2005 Lighten Your Electricity Bill	Pstat - Space Heating	20	30%	2,151.00	0.1757	2011 OPA M&A List
2005 Lighten Your Electricity Bill	Pstat - Space Cooling	52	30%	203.00	0.1758	2011 OPA M&A List
2005 Lighten Your Electricity Bill	Outdoor Timer	32	30%	20.20	0.0000	2011 OPA M&A List
2005 Lighten Your Electricity Bill	Indoor Timer	8	30%	64.40	0.0100	2011 OPA M&A List
2005 Lighten Your Electricity Bill	Indoor Timer for AC	7	30%	108.80	0.1700	2006 SeeLine
2005 Lighten Your Electricity Bill	Ceiling Fan	45	30%	122.58	0.0038	2011 OPA M&A List
2006 CFL Education and Giveaway	15W CFL	918	30%	44.35	0.0014	2011 OPA M&A List
2006 LED Light Exchange	Seasonal LED Lights - 5W	2,500	30%	13.50	0.0000	2011 OPA M&A List
2007 Norfolk Power Facility	2Lamp - T8 23W	152	0%			2011 Quasi Prescriptive

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
Lighting Program						M&A List
2007 Norfolk Power Facility Lighting Program	4Lamp - T8 32W	108	0%			2011 Quasi Prescriptive M&A List
2007 CFL Education and Giveaway	15W CFL	8,000	30%	44.35	0.0014	2011 OPA M&A List
2007 LED Light Exchange	Seasonal LED Lights - 5W	2,500	30%	13.50	0.0000	2011 OPA M&A List
2007 Energy Star Appliance Rebate Program	Energy Star Dishwasher	1	30%	23.00	0.0062	2011 OPA M&A List
2007 Energy Star Appliance Rebate Program	Energy Star Freezer	4	30%	45.81	0.0064	2011 OPA M&A List
2007 Energy Star Appliance Rebate Program	Energy Star Refrigerator	2	30%	112.80	0.0157	2011 OPA M&A List
2007 Energy Star Appliance Rebate Program	Energy Star Front Load Washer	6	30%	181.27	0.0203	2011 OPA M&A List
2007 Res Customer Program - Education	15W CFL	50	30%	44.35	0.0014	2011 OPA M&A List
2007 Water Heater Replacement Program	40 Gallon Efficient Tanks	84	0%	219.00	0.0250	Norfolk analysis
2007 Water Heater Replacement Program	60 Gallon Efficient Tanks	19	0%	210.24	0.0240	Norfolk analysis
2008 CFL Education and Giveaway	15W CFL	3,000	30%	44.35	0.0014	2011 OPA M&A List
2008 Energy Star Appliance Rebate Program	Energy Star Dishwasher	38	30%	23.00	0.0062	2011 OPA M&A List
2008 Energy Star Appliance Rebate Program	Energy Star Freezer	15	30%	45.81	0.0064	2011 OPA M&A List
2008 Energy Star Appliance Rebate Program	Energy Star Refrigerator	44	30%	112.80	0.0157	2011 OPA M&A List
2008 Energy Star Appliance	Energy Star Front Load	122	30%	181.27	0.0203	2011 OPA M&A List

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
Rebate Program	Washer					
2008 Res Customer Program - Education	15W CFL	50	30%	44.35	0.0014	2011 OPA M&A List
2006 Every Kilowatt Counts	Electric Timers	130	10%	183.00	0.0000	OPA 2009 and OPA 2006b
2006 Every Kilowatt Counts	Programmable Thermostats	57	10%	216.00	0.0500	OPA 2009 and OPA 2006b
2006 Every Kilowatt Counts	Energy Star® Ceiling Fans	43	10%	141.00	0.0140	OPA 2009 and OPA 2006b
2006 Every Kilowatt Counts	Seasonal Light Emitting Diode Light String	1,660	10%	30.75	0.0000	OPA 2009 and OPA 2006a
2006 Every Kilowatt Counts	Programmable Thermostats	109	10%	522.09	0.1177	OPA 2009 and OPA 2006a
2006 Every Kilowatt Counts	Dimmers	87	10%	139.00	0.0000	OPA 2009 and OPA 2006a
2006 Every Kilowatt Counts	Indoor Motion Sensors	31	10%	209.00	0.0000	OPA 2009 and OPA 2006a
2006 Every Kilowatt Counts	Programmable Baseboard Thermostats	7	10%	1,466.30	0.0000	OPA 2009 and OPA 2006a
2006 Cool Savings Rebate Program	Energy Star® Air Conditioner	50	10%	351.00	0.3590	OPA 2009
2006 Cool Savings Rebate Program	Programmable Thermostats	38	10%	159.00	0.1630	OPA 2009
2006 Cool Savings Rebate Program	Air Conditioner Tune-Up	34	10%	369.00	0.0378	OPA 2009
2006 Secondary Fridge Retirement Pilot	Refrigerator Retirement	17	10%	1,200.00	0.2720	OPA 2009
2006 Secondary Fridge Retirement Pilot	Freezer Retirement	1	10%	900.00	0.2040	OPA 2009

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2007 Great Refrigerator Roundup	Refrigerator	205	52%	744.70	0.0706	OPA 2009
2007 Great Refrigerator Roundup	Freezer	61	50%	515.40	0.0660	OPA 2009
2007 Great Refrigerator Roundup	Small Refrigerator	3	62%	490.00	0.0452	OPA 2009
2007 Great Refrigerator Roundup	Small Freezer	2	62%	338.50	0.0425	OPA 2009
2007 Great Refrigerator Roundup	Window Air Conditioner	2	57%	240.20	0.5616	OPA 2009
2007 Cool Savings Rebate Program	ENERGY STAR® Central Air Conditioner	115	43%	152.20	0.1662	OPA 2009
2007 Cool Savings Rebate Program	Programmable Thermostat	163	73%	54.62	0.0291	OPA 2009
2007 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor	180	41%	831.85	0.4934	OPA 2009
2007 Cool Savings Rebate Program	Central Air Conditioning Tune Up	97	84%	235.48	0.2567	OPA 2009
2007 Every Kilowatt Counts	15 W CFL	8,241	22%	43.00	0.0013	OPA 2009
2007 Every Kilowatt Counts	20 W+ CFLs	1,342	22%	62.10	0.0019	OPA 2009
2007 Every Kilowatt Counts	Project Porchlight CFLs	1,734	24%	43.00	0.0013	OPA 2009
2007 Every Kilowatt Counts	Energy Star Ceiling Fan	66	45%	89.80	0.0028	OPA 2009
2007 Every Kilowatt Counts	Solar Lights	1,058	87%	32.80	0.0000	OPA 2009
2007 Every Kilowatt Counts	Outdoor Motion Sensor	106	45%	159.80	0.0000	OPA 2009
2007 Every Kilowatt Counts	Dimmer Switch	67	45%	23.70	0.0007	OPA 2009
2007 Every Kilowatt Counts	Energy Star Light Fixtures	32	45%	122.90	0.0056	OPA 2009
2007 Every Kilowatt Counts	SLEDs	2,183	51%	13.70	0.0000	OPA 2009

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2007 Every Kilowatt Counts	T8	63	23%	37.20	0.0012	OPA 2009
2007 Every Kilowatt Counts	Programmable Thermostat	65	45%	75.10	0.0000	OPA 2009
2007 Every Kilowatt Counts	Power Bar with Timer	29	23%	72.40	0.0063	OPA 2009
2007 Every Kilowatt Counts	Lighting Control Devices	339	45%	72.20	0.0185	OPA 2009
2007 peaksaver	Residential Programmable Thermostat	3	10%	0.00	0.6300	OPA 2009
2007 Social Housing - Pilot	Custom Retrofit Projects	34	0%	1,229.34	0.1446	OPA 2009
2007 ERIP	Custom Retrofit Projects	1	10%	76,527.29	27.5498	OPA 2009
2008 Great Refrigerator Roundup	Refrigerator	323	45%	775.00	0.0794	OPA 2009
2008 Great Refrigerator Roundup	Freezer	85	48%	740.00	0.0846	OPA 2009
2008 Great Refrigerator Roundup	Room Air Conditioner	10	64%	197.00	0.1995	OPA 2009
2008 Cool Savings Rebate Program	2007 Efficient Furnace with Electronically Commutable Motor	32	46%	836.70	0.4961	OPA 2009
2008 Cool Savings Rebate Program	2007 ENERGYSTAR® Central Air Conditioner	15	48%	155.26	0.1698	OPA 2009
2008 Cool Savings Rebate Program	2007 Programmable Thermostat	25	54%	53.71	0.0277	OPA 2009
2008 Cool Savings Rebate Program	2008 Efficient Furnace with Electronically Commutable Motor	115	46%	819.22	0.4853	OPA 2009
2008 Cool Savings Rebate Program	2008 ENERGYSTAR® Central Air Conditioner	76	48%	125.26	0.1370	OPA 2009
2008 Cool Savings Rebate Program	2008 Programmable Thermostat	98	54%	53.71	0.0277	OPA 2009

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2008 Every Kilowatt Counts - PSE	Energy Star® Qualified Compact Fluorescent Floods (Indoor & Outdoor)	1,467	63%	87.62	0.0028	OPA 2009
2008 Every Kilowatt Counts - PSE	Energy Star® Qualified Light Fixtures	2,277	67%	133.48	0.0042	OPA 2009
2008 Every Kilowatt Counts - PSE	Heavy Duty Timers	52	67%	301.20	0.0173	OPA 2009
2008 Every Kilowatt Counts - PSE	T8 Fluorescent Fixtures	414	67%	37.20	0.0010	OPA 2009
2008 Every Kilowatt Counts - PSE	ENERGY STAR Decorative CFLs	5,285	61%	30.38	0.0010	OPA 2009
2008 Every Kilowatt Counts - PSE	ENERGY STAR Dimmable CFLs	341	62%	97.80	0.0031	OPA 2009
2008 Every Kilowatt Counts - PSE	Power Bars with Timers	24	59%	53.30	0.0042	OPA 2009
2008 Every Kilowatt Counts - PSE	Programmable Thermostats - Baseboard	144	53%	63.66	0.0000	OPA 2009
2008 Every Kilowatt Counts - PSE	Energy Star® Qualified Compact Fluorescent Light Bulbs	3,128	48%	52.96	0.0022	OPA 2009
2008 Every Kilowatt Counts - PSE	Lighting Control Devices	445	55%	102.23	0.0030	OPA 2009
2008 Every Kilowatt Counts - PSE	Pipe Wrap	2,918	53%	38.00	0.0030	OPA 2009
2008 Every Kilowatt Counts - PSE	Keep Cool – Dehumidifier	1	65%	499.80	0.2900	OPA 2009
2008 Every Kilowatt Counts - PSE	Keep Cool – Room Air Conditioner	1	58%	140.70	0.1420	OPA 2009
2008 Every Kilowatt Counts - PSE	Rewards for Recycling – Dehumidifier	27	56%	499.80	0.2900	OPA 2009

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2008 Every Kilowatt Counts - PSE	Rewards for Recycling – Room Air Conditioner	30	56%	140.70	0.1420	OPA 2009
2008 Every Kilowatt Counts - PSE	Rewards for Recycling - Halogen Lamp	24	52%	275.20	0.0090	OPA 2009
2008 peaksaver	Residential Programmable Thermostat	71	10%	17.30	0.8650	OPA 2009
2008 peaksaver	Residential Air Conditioner Switch	74	10%	17.30	0.8650	OPA 2009
2008 peaksaver	Commercial Programmable Thermostat	2	10%	74.00	3.7000	OPA 2009
2008 ERIP	Custom Retrofit Projects	1	Custom	Custom	Custom	OPA 2009
2008 High Performance New Construction	Custom New Construction Project	1	30%	1,176.50	1.3938	OPA 2009
2008 Summer Sweepstakes	Households	1	22%	191,822.88	77.4272	OPA 2009
2005 Energy Audits for Major Customers	Installation of PStats for HVAC rooftop units AC	1	50%	10,000.00	8.3333	Norfolk 2005a, participant survey and 2011 OPA Quasi-prescr M&A list
2006 Energy Audits for Major Customers	15W CFL	6	0%	56.16	0.0450	Norfolk 2006a, participant survey and 2011 OPA M&A list
2006 Energy Audits for Major Customers	15W CFL	17	0%	42.12	0.0450	Norfolk 2006a, participant survey and 2011 OPA M&A list
2006 Energy Audits for Major Customers	15W CFL	13	0%	42.12	0.0450	Norfolk 2006a, participant survey and 2011 OPA M&A list
2006 Energy Audits for Major Customers	15W CFL	3	0%	42.12	0.0450	Norfolk 2006a, participant survey and

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
						2011 OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 3 Lamps	9	50%	102.20	0.0700	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	1	50%	87.60	0.0200	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	3	50%	87.60	0.0200	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	5	50%	87.60	0.0200	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	40	50%	87.60	0.0200	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	40	50%	87.60	0.0200	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	13	50%	87.60	0.0200	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	T5 fixture, 4' 28W – 1 Lamp	13	50%	87.60	0.0200	Norfolk 2006a,

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
Customers	Lamp					participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	2 foot, 1 tube, T16, electronic ballast	2	50%	30.66	0.0070	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	2 foot, 1 tube, T16, electronic ballast (Note 1)	2	50%	30.66	0.0070	Norfolk 2006a, participant survey and 2011 Quasi-pres OPA M&A list
2006 Energy Audits for Major Customers	Replace "jackshaft" type boiler controls on the 3 boilers	1	50%	22,788.00	2.6100	Norfolk 2006a and participant survey and Jackshaft ref
2006 Energy Audits for Major Customers	HWH Reduced Digester Flaring	1	0%	91,657.00	42.0000	Norfolk 2006a and participant survey
2006 Energy Audits for Major Customers	Sewage Pump Optimization	1	75%	65,664.00	6.2500	Norfolk 2006a and participant survey
2009 Great Refrigerator Roundup	Bottom Freezer Fridge - Not Replaced - Not Running (0% of the time)	1.000	46%	256,523.09	75.5674	OPA final 2009 program results
2009 Cool Savings Rebate Program	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC)	34.465	42%	112.69	0.1232	OPA final 2009 program results
2009 Cool Savings Rebate Program	Energy Star® 14.5 SEER (Tier 1) Central Air Conditioner (CAC) with change in behaviour	5.378	42%	316.89	0.3465	OPA final 2009 program results
2009 Cool Savings Rebate Program	Energy Star® 15.0 SEER (Tier 2) Central Air	90.560	42%	176.79	0.1933	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
	Conditioner (CAC)					
2009 Cool Savings Rebate Program	Energy Star® 15.0 SEER (Tier 2) Central Air Conditioner (CAC) with change in behaviour	14.132	42%	366.25	0.4004	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, AHRI Matched CAC & Furnace, Continuous Fan, No change	7.691	60%	2,773.49	1.6582	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, AHRI Matched CAC & Furnace, Non-continuous Fan, No change	31.602	60%	324.17	0.1829	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, AHRI Matched CAC & Furnace, Continuous Fan, Change from non-continuous	2.507	60%	91.05	0.0544	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Unmatched CAC & Furnace, Continuous Fan, No change	13.574	60%	2,822.51	1.6875	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Unmatched CAC & Furnace, Non-continuous Fan, No change	55.777	60%	373.20	0.2106	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Unmatched CAC & Furnace, Continuous Fan, Change from non-continuous	4.428	60%	140.08	0.0837	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Heating only, Continuous Fan, No change	2.225	60%	1,534.82	0.8368	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Heating only, Non-continuous Fan, No change	9.139	60%	324.17	0.1767	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed before 1980, Heating only, Continuous Fan, Change from non-continuous	0.724	60%	192.10	0.1047	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, AHRI Matched CAC & Furnace, Continuous Fan, No change	9.030	60%	2,866.54	1.7138	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, AHRI Matched CAC & Furnace, Non-continuous Fan, No change	37.096	60%	207.11	0.1168	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, AHRI Matched CAC & Furnace, Continuous Fan, Change from non-continuous	2.945	60%	(49.03)	(0.0293)	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Unmatched CAC & Furnace, Continuous Fan, No change	15.937	60%	2,926.57	1.7497	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Unmatched CAC & Furnace, Non-continuous Fan, No change	65.477	60%	267.14	0.1507	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Unmatched CAC & Furnace, Continuous Fan, Change from non-continuous	5.198	60%	11.01	0.0066	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Heating only, Continuous Fan, No change	2.613	60%	1,569.84	0.8559	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Heating only, Non-continuous Fan, No change	10.728	60%	207.11	0.1129	OPA final 2009 program results
2009 Cool Savings Rebate Program	Furnace with Electronically Commutated Motor (ECM), Home constructed after 1980, Heating only, Continuous Fan, Change from non-continuous	0.851	60%	76.04	0.0415	OPA final 2009 program results
2009 Cool Savings Rebate Program	Programmable Thermostat - Central Air Conditioning (CAC) & Gas heating	71.961	61%	30.10	0.0261	OPA final 2009 program results
2009 Cool Savings Rebate Program	Programmable Thermostat - Energy Star® Central Air Conditioning (CAC) & Gas Heating	96.447	61%	25.65	0.0222	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Cool Savings Rebate Program	Programmable Thermostat - Gas Heating only	20.563	61%	9.35	0.0000	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Lighting	9.973	0%	40.02	0.0012	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Cooling or Heating	3.608	0%	100.05	0.0866	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Water heating	4.882	0%	141.08	0.0109	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Appliances	6.840	0%	75.90	0.0075	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Insulation of other weatherization	10.093	0%	75.04	0.0285	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Windows	7.880	0%	100.05	0.0853	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Roof products	3.814	0%	50.03	0.0043	OPA final 2009 program results
2009 Cool Savings Rebate Program	Participant Spillover - Other products	4.232	0%	50.03	0.0043	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Compact Fluorescent - Spring Campaign - Participant Rebated	379.683	31%	23.17	0.0007	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Decorative CFLs - Spring Campaign - Participant Rebated	900.383	23%	25.84	0.0008	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Fixtures - Spring Campaign - Participant Rebated	73.282	47%	115.75	0.0036	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Every Kilowatt Counts - PSE	ENERGY STAR Ceiling Fans - Spring Campaign - Participant Rebated	31.531	24%	71.49	0.0022	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Heavy Duty Pool and Spa Timers - Spring Campaign - Participant Rebated	11.925	24%	454.07	0.0601	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Clotheslines - Spring Campaign - Participant Rebated	30.454	45%	77.27	0.0086	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Pipe Wrap - Spring Campaign - Participant Rebated	25.100	22%	8.07	0.0006	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Water Blanket - Spring Campaign - Participant Rebated	3.316	20%	52.47	0.0041	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Window Air Conditioner - Spring Campaign - Participant Promoted	31.218	33%	96.40	0.0976	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Dehumidifiers - Spring Campaign - Participant Promoted	29.599	32%	284.00	0.0246	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Programmable Thermostat - Spring Campaign - Participant Promoted	72.610	55%	137.80	0.0502	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Solar Power Products - Spring Campaign - Participant Promoted	189.619	40%	4.80	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts -	Control Products - Spring	94.347	47%	72.20	0.0014	OPA final 2009 program

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
PSE	Campaign - Participant Promoted					results
2009 Every Kilowatt Counts - PSE	Installed CFLs - Spring Campaign - Participant Spillover	34.686	87%	101.42	0.0031	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Installed a new energy efficient appliance - Refrigerator - Spring Campaign - Participant Spillover	25.205	86%	64.86	0.0066	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Installed a new energy efficient appliance - Clothes washing machine - Spring Campaign - Participant Spillover	15.031	88%	122.34	0.0137	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Added ceiling/attic/wall/basement insulation - Spring Campaign - Participant Spillover	15.031	88%	394.00	0.1038	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Installed Programmable Thermostat - Spring Campaign - Participant Spillover	14.800	87%	308.36	0.0218	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Compact Fluorescent - Spring Campaign - Non-Participant Rebated	289.080	65%	22.41	0.0007	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Decorative CFLs - Spring Campaign -	143.500	60%	26.18	0.0008	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
	Non-Participant Rebated					
2009 Every Kilowatt Counts - PSE	ENERGY STAR Fixtures - Spring Campaign - Non-Participant Rebated	135.181	59%	67.68	0.0021	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Ceiling Fans - Spring Campaign - Non-Participant Rebated	39.515	86%	71.49	0.0022	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Heavy Duty Pool and Spa Timers - Spring Campaign - Non-Participant Rebated	24.957	86%	454.07	0.0601	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Clotheslines - Spring Campaign - Non-Participant Rebated	91.507	86%	77.27	0.0086	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Pipe Wrap - Spring Campaign - Non-Participant Rebated	212.131	86%	8.07	0.0006	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Water Blanket - Spring Campaign - Non-Participant Rebated	31.196	86%	52.47	0.0041	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Window Air Conditioner - Spring Campaign - Non-Participant Promoted	51.993	57%	96.40	0.0976	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Dehumidifiers - Spring Campaign - Non-Participant Promoted	62.391	56%	284.00	0.0246	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Programmable Thermostat - Spring Campaign - Non-Participant Promoted	97.747	71%	137.80	0.0502	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Every Kilowatt Counts - PSE	Solar Power Products - Spring Campaign - Non-Participant Promoted	634.313	61%	4.80	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Control Products - Spring Campaign - Non-Participant Promoted	218.370	66%	72.20	0.0014	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Compact Fluorescent - Autumn Campaign - Participant Rebated	1,718.235	31%	25.50	0.0008	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Specialty CFLs - Autumn Campaign - Participant Rebated	694.834	29%	20.81	0.0006	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Fixtures - Autumn Campaign - Participant Rebated	82.925	30%	119.07	0.0037	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Weatherstripping - adhesive foam or V-strip - Autumn Campaign - Participant Rebated	76.827	43%	15.29	0.0010	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Weatherstripping - door frame kits - Autumn Campaign - Participant Rebated	50.300	47%	17.14	0.0011	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Programmable Thermostat - Autumn Campaign - Participant Rebated	33.364	33%	32.15	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Pipe Wrap - Autumn Campaign - Participant Rebated	28.724	55%	6.58	0.0005	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Every Kilowatt Counts - PSE	Water Blanket - Autumn Campaign - Participant Rebated	6.381	37%	55.77	0.0043	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Lighting/Appliance Controls - Autumn Campaign - Participant Rebated	58.252	28%	21.44	0.0007	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Holiday LED Lights - Autumn Campaign - Participant Promoted	204.570	41%	13.70	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Dimmer Switches - Autumn Campaign - Participant Promoted	86.203	50%	23.70	0.0007	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Solar Powered Products - Autumn Campaign - Participant Promoted	167.259	48%	5.54	0.0004	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Installed a new energy efficient appliance – Refrigerator - Autumn Campaign - Participant Spillover	34.738	75%	64.86	0.0066	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Added ceiling/attic/wall/basement insulation - Autumn Campaign - Participant Spillover	27.876	78%	394.00	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Replaced my old furnace with a high efficiency furnace - Autumn	24.874	80%	351.98	0.1919	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
	Campaign - Participant Spillover					
2009 Every Kilowatt Counts - PSE	Installed a new energy efficient appliance - Clothes washing machine - Autumn Campaign - Participant Spillover	22.730	81%	141.79	0.0490	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Compact Fluorescent - Autumn Campaign - Non-Participant Rebated	1,564.982	86%	23.68	0.0007	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Specialty CFLs - Autumn Campaign - Non-Participant Rebated	497.122	85%	29.97	0.0009	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	ENERGY STAR Fixtures - Autumn Campaign - Non-Participant Rebated	138.571	76%	36.46	0.0011	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Weatherstripping - adhesive foam or V-strip - Autumn Campaign - Non-Participant Rebated	539.559	93%	14.51	0.0009	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Weatherstripping - door frame kits - Autumn Campaign - Non-Participant Rebated	411.382	94%	17.31	0.0011	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Programmable Thermostat - Autumn Campaign - Non-Participant Rebated	81.410	83%	83.24	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Pipe Wrap - Autumn Campaign - Non-	381.935	89%	6.16	0.0005	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
	Participant Rebated					
2009 Every Kilowatt Counts - PSE	Water Blanket - Autumn Campaign - Non-Participant Rebated	47.634	78%	39.70	0.0031	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Lighting/Appliance Controls - Autumn Campaign - Non-Participant Rebated	407.917	90%	42.45	0.0012	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Energy Star Qualified Holiday LED Lights - Autumn Campaign - Non-Participant Promoted	667.737	65%	13.70	0.0000	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Dimmer Switches - Autumn Campaign - Non-Participant Promoted	210.454	73%	23.70	0.0007	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Solar Powered Products - Autumn Campaign - Non-Participant Promoted	337.766	58%	4.62	0.0003	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Working Room Air Conditioner Retirement - Rewards for Recycling Campaign - Incented	16.282	62%	31.88	0.0323	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Working Room Dehumidifier Retirement - Rewards for Recycling Campaign - Incented	14.804	53%	300.28	0.3040	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Working Halogen Torchiere Retirement - Rewards for Recycling Campaign - Incented	4.976	49%	58.42	0.0018	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 Every Kilowatt Counts - PSE	Recycled Second Refrigerator - Rewards for Recycling Campaign - Spillover	3.413	64%	1,238.09	0.1268	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Recycled Additional Room Air Conditioner - Rewards for Recycling Campaign - Spillover	2.844	64%	30.01	0.0304	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Recycled Central Air Conditioner - Rewards for Recycling Campaign - Spillover	2.654	64%	72.00	0.0787	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Recycled Additional Room Dehumidifier - Rewards for Recycling Campaign - Spillover	2.970	64%	309.22	0.3131	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Installed Energy Star® Windows - Rewards for Recycling Campaign - Spillover	4.677	82%	1,530.11	0.0875	OPA final 2009 program results
2009 Every Kilowatt Counts - PSE	Installed Energy Star® CFL Bulbs - Rewards for Recycling Campaign - Spillover	15.737	82%	44.57	0.0014	OPA final 2009 program results
2009 peaksaver	Residential Air Conditioner - Switch	64.925	10%	5.66	0.6586	OPA final 2009 program results
2009 peaksaver	Residential Air Conditioner - Thermostat	131.847	10%	5.65	0.6586	OPA final 2009 program results
2009 peaksaver	Commercial Air Conditioner - Switch	0.999	10%	5.65	0.9567	OPA final 2009 program results

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2009 peaksaver	Commercial Air Conditioner - Thermostat	4.994	10%	5.65	0.9567	OPA final 2009 program results
2009 ERIP	Custom measures	1	17%	1,422,890.13	176.9686	OPA final 2009 program results
2009 High Performance New Construction	Custom measures	1	30%	35,903.34	15.7478	OPA final 2009 program results
2009 Power Savings Blitz	Custom measures	1	5%	1,263,855.19	323.9537	OPA final 2009 program results
2010 Cool Savings Rebate	All measures	1	30%	147,904.07		OPA final 2010 program results
2010 Every Kilowatt Counts - PSE	All measures	1	30%	95,205.80		OPA final 2010 program results
2010 Great Refrigerator Roundup	All measures	1	30%	230,352.76		OPA final 2010 program results
2010 peaksaver	All measures	160	9%	2.43	0.6160	OPA final 2010 program results
2010 ERIP	All projects	1	30%	20,617.33	3.6546	OPA final 2010 program results
2010 High Performance New Construction	Custom	1	30%	145,998.77	64.0345	OPA final 2010 program results
2010 Multifamily Energy Efficiency Rebates	Custom	0	26%	75,154.64	6.1340	OPA final 2010 program results
2010 Power Savings Blitz	All projects	1	30%	462,309.31		OPA final 2010 program results
2010 peaksaver	All measures	4	9%	7.13	0.7040	OPA final 2010 program results

Table 15 – Lost revenue inputs and contribution to the total lost revenues for all measures in NPD's proposed LRAMVA claim

Program	Measure	Units	Free rider rate	Gross Unit energy savings (kWh)	Gross unit demand savings (kW)	Input source
2011 Appliance Exchange	WAC Exchange	11.6	52%	156.91	0.1755	OPA final 2011 program results
2011 Appliance Exchange	Dehumidifier Exchange	6.8	52%	546.50	0.3065	OPA final 2011 program results
2011 Appliance Retirement	Window Air Conditioner - Home Pickup	4.0	38%	161.93	0.1811	OPA final 2011 program results
2011 Appliance Retirement	Dehumidifier - Home Pickup	2.7	38%	463.87	0.2602	OPA final 2011 program results
2011 Appliance Retirement	Freezer - Home Pickup	47.6	53%	878.02	0.1192	OPA final 2011 program results
2011 Appliance Retirement	Fridge - Home Pickup	134.0	53%	953.53	0.1254	OPA final 2011 program results
2011 Appliance Retirement	Freezer Replacement - Retailer Pickup	0.5	22%	219.80	0.0298	OPA final 2011 program results
2011 Appliance Retirement	Fridge Replacement - Retailer Pickup	6.3	22%	223.44	0.0294	OPA final 2011 program results
2011 Appliance Retirement	Window Air Conditioner - Home Pickup	0.0	38%	161.93	0.1811	OPA final 2011 program results
2011 Appliance Retirement	Dehumidifier - Home Pickup	0.0	38%	463.87	0.2602	OPA final 2011 program results
2011 Appliance Retirement	Freezer - Home Pickup	0.1	53%	878.02	0.1192	OPA final 2011 program results
2011 Appliance Retirement	Fridge - Home Pickup	0.1	53%	953.53	0.1254	OPA final 2011 program results
2011 Bi-Annual Retailer Event	3 pipe wraps for hot water pipes	62.4312	133%	6.76	0.0006	OPA final 2011 program results
2011 Bi-Annual Retailer Event	ENERGY STAR qualified ceiling fans	5.6657	116%	51.58	0.0024	OPA final 2011 program results

2011 Bi-Annual Retailer Event	ES indoor light fixtures 1 or 2 sockets	35.0429	102%	70.16	0.0032	OPA final 2011 program results
2011 Bi-Annual Retailer Event	ES indoor light fixtures 3+ sockets	42.9385	102%	70.16	0.0032	OPA final 2011 program results
2011 Bi-Annual Retailer Event	ES specialty CFL lgt bulbs 1-2 pks	217.2371	101%	28.75	0.0013	OPA final 2011 program results
2011 Bi-Annual Retailer Event	ES specialty CFL lgt bulbs multipks 3+	496.3357	101%	28.75	0.0013	OPA final 2011 program results
2011 Bi-Annual Retailer Event	ES standard spiral CFL lgt bulbs 1-3pks	388.2887	108%	27.16	0.0013	OPA final 2011 program results
2011 Bi-Annual Retailer Event	ES standard spiral CFL lgt bulbs 4+ pks	1504.4455	108%	27.16	0.0013	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Heavy-duty outdoor timers	17.4306	127%	454.07	0.0365	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Indoor mt sensors/dim switch/timers 1pks	83.1193	145%	25.98	0.0012	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Indoor mt sensors/dim switch/timers 2+pk	53.4765	145%	25.98	0.0012	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Insulation blankets for elect water htrs	2.2020	139%	75.67	0.0086	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Outdoor umbrella stnd or clothesline kts	9.5838	119%	88.53	0.0802	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Power bars with timer or auto-shutoff	10.6988	134%	16.94	0.0010	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Prog therms electric bsbrd htr 1/dbl pks	14.2884	121%	63.15	0.0000	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Prog therms electric bsbrd htr 3+ pks	0.5138	121%	63.15	0.0000	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Weatherstripping (door frame kits)	45.3	95%	29.40	0.0003	OPA final 2011 program results
2011 Bi-Annual Retailer Event	Weatherstripping (foam or V-strip packs)	52.9628	93%	18.44	0.0002	OPA final 2011 program results
2011 Conservation Instant	3 pipe wraps for hot water	21.4	133%	6.76	0.0006	OPA final 2011 program

Coupon Booklet	pipes					results
2011 Conservation Instant Coupon Booklet	ENERGY STAR qualified ceiling fans	3.9	116%	51.58	0.0024	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	ES indoor light fixtures 1 or 2 sockets	13.4	102%	70.16	0.0032	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	ES indoor light fixtures 3+ sockets	57.5	102%	70.16	0.0032	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	ES specialty CFL lgt bulbs 1-2 pks	73.3	101%	28.75	0.0013	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	ES specialty CFL lgt bulbs multipks 3+	339.7	101%	28.75	0.0013	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	ES standard spiral CFL lgt bulbs 1-3pks	125.3	108%	27.16	0.0013	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	ES standard spiral CFL lgt bulbs 4+ pks	1001.1	108%	27.16	0.0013	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Heavy-duty outdoor timers	20.6	127%	454.07	0.0365	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Indoor mt sensors/dim switch/timers 1pks	21.1	145%	25.98	0.0012	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Indoor mt sensors/dim switch/timers 2+pk	43.3	145%	25.98	0.0012	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Insulation blankets for elect water htrs	2.6	139%	75.67	0.0086	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Outdoor umbrella stnd or clothesline kts	7.7	119%	88.53	0.0802	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Power bars with timer or auto-shutoff	9.5	134%	16.94	0.0010	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Prog therms electric bsbrd htr 1/dbl pks	13.0	121%	63.15	0.0000	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Prog therms electric bsbrd htr 3+ pks	4.9	121%	63.15	0.0000	OPA final 2011 program results
2011 Conservation Instant Coupon Booklet	Weatherstripping (door frame kits)	9.2766	95%	29.40	0.0061	OPA final 2011 program results

2011 Conservation Instant Coupon Booklet	Weatherstripping (foam or V-strip packs)	13.2	93%	18.44	0.0027	OPA final 2011 program results
2011 Direct Install Lighting	All measures	91.0	93%	46,569.76	17.5506	OPA final 2011 program results
2011 Efficiency: Equipment Replacement C&I	C&I	5.0	76%	58,130.16	11.9514	OPA final 2011 program results
2011 Efficiency: Equipment Replacement Industrial	Industrial	1.0	73%	319,028.67	52.1909	OPA final 2011 program results
2011 Pre-2011 ERIP completed in 2011	C&I	4.0	52%	43,675.69	7.5164	OPA final 2011 program results
2011 Pre-2011 ERIP completed in 2011	MutliRes	1.0	62%	215,014.98	28.0453	OPA final 2011 program results
2011 Pre-2011 HPNC completed in 2011	Custom	0.0	50%	682,574.40	132.9000	OPA final 2011 program results
2011 HVAC Incentives	Furnace with ECM	208.3	59%	1,871.25	0.9106	OPA final 2011 program results
2011 HVAC Incentives	Tier 1 – Energy Star® Central Air Conditioner – SEER 14.5	42.5	53%	168.45	0.1888	OPA final 2011 program results
2011 HVAC Incentives	Tier 2 – Energy Star® Central Air Conditioner – SEER 15	64.2	67%	432.10	0.4830	OPA final 2011 program results
2011 Residential New Construction	LDC allocation	7.0	41%	179.98	0.0119	OPA final 2011 program results

Table 16 Lost revenue and carrying charges per rate class for which LRAM will be claimed

Rate class	Year	Quarter	Lost revenue	Cumulative lost revenue	Carrying charge rate	Carrying charges per quarter
Residential	2011	Q1	\$14,263	\$14,263	0.37%	\$52
	2011	Q2	\$14,263	\$28,526	0.37%	\$105
	2011	Q3	\$14,263	\$42,789	0.37%	\$157
	2011	Q4	\$14,263	\$57,053	0.37%	\$210
	2012	Q1		\$57,053	0.37%	\$210
	2012	Q2		\$57,053	0.37%	\$210
	2012	Q3		\$57,053	0.37%	\$210
	2012	Q4		\$57,053	0.37%	\$210
	2013	Q1		\$57,053	0.49%	\$280
	Total lost revenue			\$57,053		
	Total carrying charges					\$1,642
	Lost revenue plus carrying charges					\$58,695
GS < 50 kW	2011	Q1	\$6,724	\$6,724	0.37%	\$25
	2011	Q2	\$6,724	\$13,448	0.37%	\$49
	2011	Q3	\$6,724	\$20,171	0.37%	\$74
	2011	Q4	\$6,724	\$26,895	0.37%	\$99
	2012	Q1		\$26,895	0.37%	\$99
	2012	Q2		\$26,895	0.37%	\$99
	2012	Q3		\$26,895	0.37%	\$99
	2012	Q4		\$26,895	0.37%	\$99
	2013	Q1		\$26,895	0.49%	\$132
	Total lost revenue			\$26,895		
	Total carrying charges					\$774
	Lost revenue plus carrying charges					\$27,669
GS 50 - 4999 kW	2011	Q1	\$2,189	\$2,189	0.37%	\$8
	2011	Q2	\$2,189	\$4,379	0.37%	\$16
	2011	Q3	\$2,189	\$6,568	0.37%	\$24
	2011	Q4	\$2,189	\$8,758	0.37%	\$32
	2012	Q1		\$8,758	0.37%	\$32
	2012	Q2		\$8,758	0.37%	\$32
	2012	Q3		\$8,758	0.37%	\$32
	2012	Q4		\$8,758	0.37%	\$32
	2013	Q1		\$8,758	0.49%	\$43
	Total lost revenue			\$8,758		
	Total carrying charges					\$252
	Lost revenue plus carrying charges					\$9,010
Total portfolio lost revenue				\$92,706		
Total portfolio carrying charges						\$2,669
Total portfolio lost revenue plus carrying charges						\$95,374

Table 17 Lost revenue and carrying charges per rate class for which LRAMVA will be claimed

Rate class	Year	Quarter	Lost revenue	Cumulative lost revenue	Carrying charge rate	Carrying charges per quarter
Residential	2011	Q1	\$2,030	\$2,030	0.37%	\$7
	2011	Q2	\$2,030	\$4,060	0.37%	\$15
	2011	Q3	\$2,030	\$6,090	0.37%	\$22
	2011	Q4	\$2,030	\$8,120	0.37%	\$30
	2012	Q1		\$8,120	0.37%	\$30
	2012	Q2		\$8,120	0.37%	\$30
	2012	Q3		\$8,120	0.37%	\$30
	2012	Q4		\$8,120	0.37%	\$30
	2013	Q1		\$8,120	0.49%	\$40
	Total lost revenue			\$8,120		
	Total carrying charges					\$234
	Lost revenue plus carrying charges					\$8,354
GS < 50 kW	2011	Q1	\$1,411	\$1,411	0.37%	\$5
	2011	Q2	\$1,411	\$2,822	0.37%	\$10
	2011	Q3	\$1,411	\$4,233	0.37%	\$16
	2011	Q4	\$1,411	\$5,644	0.37%	\$21
	2012	Q1		\$5,644	0.37%	\$21
	2012	Q2		\$5,644	0.37%	\$21
	2012	Q3		\$5,644	0.37%	\$21
	2012	Q4		\$5,644	0.37%	\$21
	2013	Q1		\$5,644	0.49%	\$28
	Total lost revenue			\$5,644		
	Total carrying charges					\$162
	Lost revenue plus carrying charges					\$5,806
GS 50 - 4999 kW	2011	Q1	\$372	\$372	0.37%	\$1
	2011	Q2	\$372	\$744	0.37%	\$3
	2011	Q3	\$372	\$1,115	0.37%	\$4
	2011	Q4	\$372	\$1,487	0.37%	\$5
	2012	Q1		\$1,487	0.37%	\$5
	2012	Q2		\$1,487	0.37%	\$5
	2012	Q3		\$1,487	0.37%	\$5
	2012	Q4		\$1,487	0.37%	\$5
	2013	Q1		\$1,487	0.49%	\$7
	Total lost revenue			\$1,487		
	Total carrying charges					\$43
	Lost revenue plus carrying charges					\$1,530
Total portfolio lost revenue				\$15,252		
Total portfolio carrying charges						\$439
Total portfolio lost revenue plus carrying charges						\$15,691



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Appendix E – 2013 IRM Rate Generator Model



3RD Generation Incentive Regulation Model for 2013 Filers

Version 2.3

Utility Name Norfolk Power Distribution Ltd.

Service Territory (if applicable)

Assigned EB Number EB-2012-0151


Name of Contact and Title Jody McEachran, Chief Financial Officer

Phone Number 519-426-4440 x2264


Email Address jmceachran@norfolkpower.on.ca

We are applying for rates effective May 1, 2013

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.

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.



3RD Generation Incentive Regulation Model for 2013 Filers

Norfolk Power Distribution Ltd.

- | | |
|--------------------------------|------------------------------|
| 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. 2013 Continuity Schedule | 12. Summary Sheet |
| 6. Billing Det. for Def-Var | 13. Final Tariff Schedule |
| 7. Cost Allocation for Def-Var | 14. Bill Impacts |



3RD Generation Incentive Regulation Model for 2013 Filers

Norfolk Power Distribution Ltd.

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 4,999 kW
4	Unmetered Scattered Load
5	Sentinel Lighting
6	Street Lighting
7	Embedded Distributor
8	MicroFit



3RD Generation Incentive Regulation Model for 2013 Filers

Norfolk Power Distribution Ltd.

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. ****Note:** If the current RRRP consists of only one line on the current tariff schedule, enter the same rate for "Rural Rate Protection Charge - effective until April 30, 2012" and "Rural Rate Protection Charge - effective on and after May 1, 2012".

Norfolk Power Distribution Ltd. **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 service work 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, an 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 Global Adjustment, the Ontario Energy Benefit, and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012		
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

General Service Less Than 50 kW Service Classification

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum 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 Global Adjustment, the Ontario Energy Benefit and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

General Service 50 to 4.999 kW Service Classification

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 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 Global Adjustment, the Ontario Energy Benefit and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Unmetered Scattered Load Service Classification

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 Global Adjustment, the Ontario Energy Benefit and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Sentinel Lighting Service Classification

This classification refers to accounts that are 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.

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 Global Adjustment, the Ontario Energy Benefit and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Street Lighting Service Classification

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the 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.

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 Global Adjustment, the Ontario Energy Benefit and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Embedded Distributor Service Classification

This classification applies to an electricity distributor licensed by the Board, and provided electricity by means of Norfolk Power Distribution Inc.'s distribution facilities. 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 Global Adjustment, the Ontario Energy Benefit and the HST.

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	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
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 microFIT program and connected to the distributor's distribution system. 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 Global Adjustment, the Ontario Energy Benefit and the HST.

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

Service Charge	\$	5.25



3RD Generation Incentive Regulation Model for 2013 Filers

Norfolk Power Distribution Ltd.

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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

Please refer to the footnotes for further instructions.

		2005									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-05	Transactions Debit/(Credit) during 2005 excluding interest and adjustments ²	Board-Approved Disposition during 2005	Adjustments during 2005 - other ²	Closing Principal Balance as of Dec-31-05	Opening Interest Amounts as of Jan-1-05	Interest Jan-1 to Dec-31-05	Board-Approved Disposition during 2005	Adjustments during 2005 - other ²	Closing Interest Amounts as of Dec-31-05
Group 1 Accounts											
LV Variance Account	1550					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power (excluding Global Adjustment)	1588					0					0
RSVA - Power - Sub-account - Global Adjustment	1588					0					0
Recovery of Regulatory Asset Balances	1590					0					0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595					0					0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
RSVA - Power - Sub-account - Global Adjustment	1588	0	0	0	0	0	0	0	0	0	0
Deferred Payments in Lieu of Taxes	1562					0					0
Total of Group 1 and Account 1562		0	0	0	0	0	0	0	0	0	0
Special Purpose Charge Assessment Variance Account⁴	1521										
LRAM Variance Account	1568										
Total including Accounts 1562, 1521 and 1568		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.

¹ 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.

² For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

³ If the LDC's 2013 rate year begins January 1, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision.

⁴ 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.

⁵ Include Account 1595 as part of Group 1 accounts (lines 31, 32 and 33) 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.



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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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

Please refer to the footnotes for further instructions.

Account Descriptions		2006									
		Account Number	Opening Principal Amounts as of Jan-1-06	Transactions Debit/ (Credit) during 2006 excluding interest and adjustments ²	Board-Approved Disposition during 2006	Adjustments during 2006 - other ²	Closing Principal Balance as of Dec-31-06	Opening Interest Amounts as of Jan-1-06	Interest Jan-1 to Dec-31-06	Board-Approved Disposition during 2006 ¹	Adjustments during 2006 - other ²
Group 1 Accounts											
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 - Power - Sub-account - Global Adjustment	1588	0				0	0				0
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	0				0	0				0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
RSVA - Power - Sub-account - Global Adjustment	1588	0	0	0	0	0	0	0	0	0	0
Deferred Payments in Lieu of Taxes	1562	0				0	0				0
Total of Group 1 and Account 1562		0	0	0	0	0	0	0	0	0	0
Special Purpose Charge Assessment Variance Account ⁴	1521										
LRAM Variance Account	1568										
Total including Accounts 1562, 1521 and 1568		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.

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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 and 33) 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.



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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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

Please refer to the footnotes for further instructions.

Account Descriptions		2007									
		Account Number	Opening Principal Amounts as of Jan-1-07	Transactions Debit / (Credit) during 2007 excluding interest and adjustments ²	Board-Approved Disposition during 2007	Adjustments during 2007 - other ¹	Closing Principal Balance as of Dec-31-07	Opening Interest Amounts as of Jan-1-07	Interest Jan-1 to Dec-31-07	Board-Approved Disposition during 2007	Adjustments during 2007 - other ¹
Group 1 Accounts											
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 - Power - Sub-account - Global Adjustment	1588	0				0	0				0
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	0				0	0				0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
RSVA - Power - Sub-account - Global Adjustment	1588	0	0	0	0	0	0	0	0	0	0
Deferred Payments in Lieu of Taxes	1562	0				0	0				0
Total of Group 1 and Account 1562		0	0	0	0	0	0	0	0	0	0
Special Purpose Charge Assessment Variance Account ⁴	1521										
LRAM Variance Account	1568										
Total including Accounts 1562, 1521 and 1568		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.

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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 and 33) 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.



3RD
Regulat
Nor

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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

Please refer to the footnotes for further instructions.

Account Descriptions		2008									
		Account Number	Opening Principal Amounts as of Jan-1-08	Transactions Debit / (Credit) during 2008 excluding interest and adjustments ²	Board-Approved Disposition during 2008	Adjustments during 2008 - other ¹	Closing Principal Balance as of Dec-31-08	Opening Interest Amounts as of Jan-1-08	Interest Jan-1 to Dec-31-08	Board-Approved Disposition during 2008	Adjustments during 2008 - other ¹
Group 1 Accounts											
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 - Power - Sub-account - Global Adjustment	1588	0				0	0				0
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	0				0	0				0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
RSVA - Power - Sub-account - Global Adjustment	1588	0	0	0	0	0	0	0	0	0	0
Deferred Payments in Lieu of Taxes	1562	0				0	0				0
Total of Group 1 and Account 1562		0	0	0	0	0	0	0	0	0	0
Special Purpose Charge Assessment Variance Account ⁴	1521										
LRAM Variance Account	1568										
Total including Accounts 1562, 1521 and 1568		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.

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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.

Include Account 1595 as part of Group 1 accounts (lines 31, 32 and 33) 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.



3RD
Regulat
Nor

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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

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Account Descriptions		Account Number	2009								
			Opening Principal Amounts as of Jan-1-09	Transactions Debit / (Credit) during 2009 excluding interest and adjustments ²	Board-Approved Disposition during 2009	Adjustments during 2009 - other ¹	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 ¹
Group 1 Accounts											
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 - Power - Sub-account - Global Adjustment	1588	0				0	0				0
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	0				0	0				0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		0	0	0	0	0	0	0	0	0	0
RSVA - Power - Sub-account - Global Adjustment	1588	0	0	0	0	0	0	0	0	0	0
Deferred Payments in Lieu of Taxes	1562	0				0	0				0
Total of Group 1 and Account 1562		0	0	0	0	0	0	0	0	0	0
Special Purpose Charge Assessment Variance Account ⁴	1521										
LRAM Variance Account	1568										
Total including Accounts 1562, 1521 and 1568		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.

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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 and 33) 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.



3RD
Regulat
Nor

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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

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		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-10	Transactions Debit / (Credit) during 2010 excluding interest and adjustments ²	Board-Approved Disposition during 2010	Adjustments during 2010 - other ¹	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 ²	Closing Interest Amounts as of Dec-31-10
Group 1 Accounts											
LV Variance Account	1550	0			(67,621)	(67,621)	0			(680)	(680)
RSVA - Wholesale Market Service Charge	1580	0			(470,544)	(470,544)	0			(4,141)	(4,141)
RSVA - Retail Transmission Network Charge	1584	0			481,787	481,787	0			3,652	3,652
RSVA - Retail Transmission Connection Charge	1586	0			(608,624)	(608,624)	0			(4,517)	(4,517)
RSVA - Power (excluding Global Adjustment)	1588	0			197,199	197,199	0			2,835	2,835
RSVA - Power - Sub-account - Global Adjustment	1588	0			641,162	641,162	0			6,440	6,440
Recovery of Regulatory Asset Balances	1590	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	0				0	0				0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		0	0	0	173,359	173,359	0	0	0	3,590	3,590
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		0	0	0	(467,803)	(467,803)	0	0	0	(2,851)	(2,851)
RSVA - Power - Sub-account - Global Adjustment	1588	0	0	0	641,162	641,162	0	0	0	6,440	6,440
Deferred Payments in Lieu of Taxes	1562	0			48,878	48,878	0			93,736	93,736
Total of Group 1 and Account 1562		0	0	0	222,237	222,237	0	0	0	97,326	97,326
Special Purpose Charge Assessment Variance Account ⁴	1521				58,334	58,334				446	446
LRAM Variance Account	1568					0					0
Total including Accounts 1562, 1521 and 1568		0	0	0	280,571	280,571	0	0	0	97,771	97,771

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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 and 33) 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.



3RD
Regulat
Nor

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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

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		2011													
Account Descriptions		Account Number	Opening Principal Amounts as of Jan-1-11	Transactions Debit / (Credit) during 2011 excluding Interest and adjustments ²	Board-Approved Disposition during 2011	Other ¹ Adjustments during Q1 2011	Other ¹ Adjustments during Q2 2011	Other ¹ Adjustments during Q3 2011	Other ¹ Adjustments during Q4 2011	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 ¹	Closing Interest Amounts as of Dec-31-11
Group 1 Accounts															
	LV Variance Account	1550	(67,621)	23,766						(43,854)	(680)	(1,004)			(1,684)
	RSVA - Wholesale Market Service Charge	1580	(470,544)	(505,356)						(975,900)	(4,141)	(10,832)			(14,973)
	RSVA - Retail Transmission Network Charge	1584	481,787	(125,853)						355,934	3,652	6,425			10,077
	RSVA - Retail Transmission Connection Charge	1586	(608,624)	(435,403)						(1,044,027)	(4,517)	(12,841)			(17,358)
	RSVA - Power (excluding Global Adjustment)	1588	197,199	700,513						897,712	2,835	717			3,552
	RSVA - Power - Sub-account - Global Adjustment	1588	641,162	(294,443)						346,719	6,440	8,346			14,786
	Recovery of Regulatory Asset Balances	1590	0							0	0				0
	Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595	0							0	0				0
	Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595	0							0	0				0
	Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595	0							0	0				0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)			173,359	(636,776)	0	0	0	0	0	(463,417)	3,590	(9,190)	0	0	(5,600)
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)			(467,803)	(342,333)	0	0	0	0	0	(810,136)	(2,851)	(17,536)	0	0	(20,386)
RSVA - Power - Sub-account - Global Adjustment			1588	641,162	(294,443)	0	0	0	0	346,719	6,440	8,346	0	0	14,786
Deferred Payments in Lieu of Taxes			1562	48,878						48,878	93,736	719			94,455
Total of Group 1 and Account 1562				222,237	(636,776)	0	0	0	0	(414,539)	97,326	(8,471)	0	0	88,854
Special Purpose Charge Assessment Variance Account ⁴			1521	58,334	(45,156)					13,178	446	224			670
LRAM Variance Account			1568	0	15,252					15,252	0	139			139
Total including Accounts 1562, 1521 and 1568				280,571	(666,680)	0	0	0	0	(386,109)	97,771	(8,108)	0	0	89,663

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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 and 33) 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.



3RD
Regulatory
Northern

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 2013 DVA schedule below will be the balance sheet date as per your GL for which you received approval. For example, if in the 2012 EDR process (CoS or IRM) you received approval for the December 31, 2010 balances, the starting point for your entries below should be the adjustment column BF for principal and column BK for interest. This will allow for the correct starting point for the 2011 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule ie: Jan 1, 2005.

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Account Descriptions		2012				Projected Interest on Dec-31-11 Balances			2.1.7 RRR	Variance RRR vs. 2011 Balance (Principal + Interest)
		Principal Disposition during 2012 - instructed by Board	Interest Disposition during 2012 - instructed by Board	Closing Principal Balances as of Dec 31-11 Adjusted for Dispositions during 2012	Closing Interest Balances as of Dec 31-11 Adjusted for Dispositions during 2012	Projected Interest from Jan 1, 2012 to December 31, 2012 on Dec 31 -11 balance adjusted for disposition during 2012 ³	Projected Interest from January 1, 2013 to April 30, 2013 on Dec 31 -11 balance adjusted for disposition during 2012 ³	Total Claim	As of Dec 31-11	
Group 1 Accounts										
LV Variance Account	1550	(67,621)	(2,005)	23,766	321		116	24,553	(45,538)	0
RSVA - Wholesale Market Service Charge	1580	(470,544)	(13,364)	(505,356)	(1,610)	(7,429)	(2,476)	(516,871)	(990,874)	0
RSVA - Retail Transmission Network Charge	1584	481,787	13,095	(125,853)	(3,018)	(1,850)	(617)	(131,338)	366,011	(0)
RSVA - Retail Transmission Connection Charge	1586	(636,981)	(16,446)	(407,047)	(912)	(5,984)	(1,995)	(415,937)	(1,061,385)	(0)
RSVA - Power (excluding Global Adjustment)	1588	197,199	6,700	700,513	(3,148)	10,298	3,433	711,095	901,264	0
RSVA - Power - Sub-account - Global Adjustment	1588	641,162	19,007	(294,443)	(4,221)	(4,328)	(1,443)	(304,434)	361,506	0
Recovery of Regulatory Asset Balances	1590			0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁵	1595			0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁵	1595			0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁵	1595			0	0	0	0	0	0	0
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		145,002	6,987	(608,419)	(12,588)	(8,944)	(2,981)	(632,932)	(469,017)	0
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		(496,160)	(12,020)	(313,977)	(8,367)	(4,615)	(1,538)	(328,497)	(830,523)	0
RSVA - Power - Sub-account - Global Adjustment		641,162	19,007	(294,443)	(4,221)	(4,328)	(1,443)	(304,434)	361,506	0
Deferred Payments in Lieu of Taxes	1562	48,878	94,455	0	0	0	0	0	143,332	(0)
Total of Group 1 and Account 1562		193,880	101,442	(608,419)	(12,588)	(8,944)	(2,981)	(632,932)	(325,685)	(0)
Special Purpose Charge Assessment Variance Account⁴		1521	13,178	670	(0)	0	0	0	13,848	0
LRAM Variance Account		1568		15,252	139	224	75	15,690		(15,391)
Total including Accounts 1562, 1521 and 1568		207,058	102,112	(593,167)	(12,448)	(8,720)	(2,906)	(617,242)	(311,836)	(15,391)

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, 2013, the projected interest is recorded from January 1, 2012 to December 31, 2012 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 rate decision. If the LDC's 2013 rate year begins May 1, 2013 the projected interest is recorded from January 1, 2012 to April 30, 2013 on the December 31, 2011 balance adjusted for the disposed balances approved by the Board in the 2012 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 and 33) 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.



3RD Generation Incentive Regulation Model for 2013 Filers Norfolk Power Distribution Ltd.

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 ¹	1590 Recovery Share Proportion*	1595 Recovery Share Proportion (2008) ²	1595 Recovery Share Proportion (2009) ²	1595 Recovery Share Proportion (2010) ²	1568 LRAM Variance Account Class Allocation (\$ amounts)
Residential	\$/kWh	149,120,393		22,368,059	0	7,579,816					8,354
General Service Less Than 50 kW	\$/kWh	61,992,882		11,158,719	0	2,167,109					5,806
General Service 50 to 4,999 kW	\$/kW	130,806,348	344,556	107,261,205	282,536	1,774,228					1,530
Unmetered Scattered Load	\$/kWh	466,025			0	18,213					
Sentinel Lighting	\$/kW	349,585	879		0	46,880					
Street Lighting	\$/kW	3,400,608	9,791	34,006	98	164,255					
Embedded Distributor	\$/kW	33,900,000		33,900,000	0	38,096					
MicroFit											
Total		380,035,841	355,226	174,721,989	282,634	11,788,597	0.00%	0.00%	0.00%	0.00%	15,690
											Balance as per Sheet 5
											15,690
											Variance
											0

Threshold Test

Total Claim (including Account 1521, 1562 and 1568)

Total Claim for Threshold Test (All Group 1 Accounts)

Threshold Test (Total claim per kWh) ³

(\$617,242)
(\$632,932)
(0.0017)

¹ 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

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

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



3RD Generation Incentive Regulation Model for 2013 Filers Norfolk Power Distribution Ltd.

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	1590	1595 (2008)	1595 (2009)	1595 (2010)	1521	1562	1568
Residential	39.2%	12.8%	64.3%	9,634	(202,812)	(51,535)	(163,207)	279,023	(38,974)	0	0	0	0	0	0	8,354
General Service Less Than 50 kW	16.3%	6.4%	18.4%	4,005	(84,314)	(21,424)	(67,849)	115,996	(19,443)	0	0	0	0	0	0	5,806
General Service 50 to 4,999 kW	34.4%	61.4%	15.1%	8,451	(177,904)	(45,206)	(143,163)	244,755	(186,891)	0	0	0	0	0	0	1,530
Unmetered Scattered Load	0.1%	0.0%	0.2%	30	(634)	(161)	(510)	872	0	0	0	0	0	0	0	0
Sentinel Lighting	0.1%	0.0%	0.4%	23	(475)	(121)	(383)	654	0	0	0	0	0	0	0	0
Street Lighting	0.9%	0.0%	1.4%	220	(4,625)	(1,175)	(3,722)	6,363	(59)	0	0	0	0	0	0	0
Embedded Distributor	8.9%	19.4%	0.3%	2,190	(46,106)	(11,716)	(37,102)	63,431	(59,067)	0	0	0	0	0	0	0
MicroFit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	100.0%	100.0%	100.0%	24,553	(516,871)	(131,338)	(415,937)	711,095	(304,434)	0	0	0	0	0	0	15,690

* RSVA - Power (Excluding Global Adjustment)



3RD Generation Incentive Regulation Model for 2013 Filers Norfolk Power Distribution Ltd.

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	149,120,393		(120,543)	(0.0008)	(38,974)	22,368,059	(0.0017)
General Service Less Than 50 kW	\$/kWh	61,992,882		(47,780)	(0.0008)	(19,443)	11,158,719	(0.0017)
General Service 50 to 4,999 kW	\$/kW	130,806,348	344,556	(111,537)	(0.3237)	(186,891)	282,536	(0.6615)
Unmetered Scattered Load	\$/kWh	466,025		(403)	(0.0009)	0		0.0000
Sentinel Lighting	\$/kW	349,585	879	(302)	(0.3438)	0	0	0.0000
Street Lighting	\$/kW	3,400,608	9,791	(2,939)	(0.3002)	(59)	98	(0.6052)
Embedded Distributor	\$/kW	33,900,000		(29,303)	0.0000	(59,067)	0	0.0000
MicroFit								
Total		380,035,841	355,226	(312,807)		(304,434)	33,809,412	

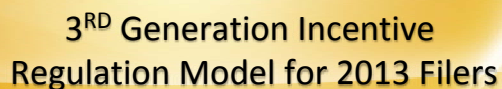


3RD Generation Incentive
Regulation Model for 2013 Filers
Norfolk Power Distribution Ltd.

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 2012 values and will be updated by Board staff. The Stretch Factor Value will also be updated by Board staff.

Price Escalator	2.00%	Choose Stretch Factor Group	II
Productivity Factor	0.72%	Associated Stretch Factor Value	0.4%
Price Cap Index	0.88%		

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	20.77		0.0217		0.88%	20.95	0.0219
General Service Less Than 50 kW	49.74		0.0155		0.88%	50.18	0.0156
General Service 50 to 4,999 kW	244.38		3.9413		0.88%	246.53	3.9760
Unmetered Scattered Load	15.42		0.0087		0.88%	15.56	0.0088
Sentinel Lighting	6.50		19.3402		0.88%	6.56	19.5104
Street Lighting	1.96		7.3914		0.88%	1.98	7.4564
Embedded Distributor	613.91				0.88%	619.31	0.0000
MicroFit	5.25					5.25	



Please enter the following charges as found on your most recent Board-Approved Tariff Schedule. The standard Allowance rates have been included as default entries. If you have different rates, please make the appropriate corrections in the applicable cells below. As well, please enter the current Specific Service Charges below. The standard Retail Service Charges have been entered below. If you have different rates, please make the appropriate corrections in columns A, C or D as applicable (cells are unlocked).

UNIT CURRENT

ALLOWANCES

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

\$/kW	(0.60)
%	(1.00)

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

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

[illegible]

Non-Payment of Account

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

LOSS FACTORS

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	1.0564
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0564
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0464
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0464

RESIDENTIAL SERVICE CLASSIFICATION

Service Charge	\$	20.95
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0009
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	50.18
Distribution Volumetric Rate	\$/kWh	0.0156
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028

Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	3.42
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0005
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	246.53
Distribution Volumetric Rate	\$/kW	3.9760
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3237)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kW	(0.6615)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4408
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.1396

[illegible]

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	15.56
Distribution Volumetric Rate	\$/kWh	0.0088
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0009)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.98
Distribution Volumetric Rate	\$/kW	7.4564
Low Voltage Service Rate	\$/kW	0.2358
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3002)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kW	(0.6052)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8409
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8810

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES - Delivery Component

[illegible]

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge

\$

5.40



3RD Generation Incentive Regulation Model for 2013 Filers

Norfolk Power Distribution Ltd.

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

Current Rates

Rate Description	Unit	Amount
Residential		
Service Charge	\$	20.77
Distribution Volumetric Rate	\$/kWh	0.0217
Low Voltage Volumetric Rate	\$/kWh	0.0009
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – Effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kWh	0.0033
Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kWh	0.0003
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – Effective until April 30, 2013	\$/kWh	0.0000
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0036
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	0.10
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Disposition of PILS Deferral/Variance Account (2012) - effective until April 30, 2013	\$/kWh	0.0006
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	\$/kWh	0.0011
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

General Service Less Than 50 kW

Service Charge	\$	49.74
Distribution Volumetric Rate	\$/kWh	0.0155
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – Effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kWh	0.0033
Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kWh	(0.0002)
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – Effective until April 30, 2013	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0031
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	3.42
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Disposition of PILS Deferral/Variance Account (2012) - effective until April 30, 2013	\$/kWh	0.0004
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

General Service 50 to 4,999 kW

Service Charge	\$	244.38
Distribution Volumetric Rate	\$/kW	3.9413
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – Effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kWh	0.0033

Proposed Rates

Rate Description	Unit	Amount
Residential		
Service Charge	\$	20.95
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0009
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	0.10
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0004
- effective until April 30, 2014		
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
General Service Less Than 50 kW		
Service Charge	\$	50.18
Distribution Volumetric Rate	\$/kWh	0.0156
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	3.42
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0005
- effective until April 30, 2014		
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
General Service 50 to 4,999 kW		
Service Charge	\$	246.53
Distribution Volumetric Rate	\$/kW	3.9760
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3237)

Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kW	(0.3243)	Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014 Applicable only for Non-RPP Customers	\$/kW	(0.6615)
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery – Effective until April 30, 2013	\$/kW	0.0003	Retail Transmission Rate - Network Service Rate	\$/kW	2.4408
Retail Transmission Rate - Network Service Rate	\$/kW	2.5546	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.1396
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2460	Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	(1.03)
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	(1.03)	Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93	Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery - effective until April 30, 2014	\$/kW	0.0262
Rate Rider for Disposition of PILS Deferral/Variance Account (2012) - effective until April 30, 2013	\$/kW	0.0627	Wholesale Market Service Rate	\$/kWh	0.0052
Wholesale Market Service Rate	\$/kWh	0.0052	Rural Rate Protection Charge	\$/kWh	0.0011
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011			
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25			
Unmetered Scattered Load			Unmetered Scattered Load		
Service Charge (per customer)	\$	15.42	Service Charge (per customer)	\$	15.56
Distribution Volumetric Rate	\$/kWh	0.0087	Distribution Volumetric Rate	\$/kWh	0.0088
Low Voltage Service Rate	\$/kWh	0.0008	Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kWh	(0.0001)	Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0009)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0031	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028
Rate Rider for Disposition of PILS Deferral/Variance Account (2012) - effective until April 30, 2013	\$/kWh	0.0005	Wholesale Market Service Rate	\$/kWh	0.0052
Wholesale Market Service Rate	\$/kWh	0.0052	Rural Rate Protection Charge	\$/kWh	0.0011
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011			
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25			
Sentinel Lighting			Sentinel Lighting		
Service Charge (per connection)	\$	6.50	Service Charge (per connection)	\$	6.56
Distribution Volumetric Rate	\$/kW	19.3402	Distribution Volumetric Rate	\$/kW	19.5104
Low Voltage Service Rate	\$/kW	0.2407	Low Voltage Service Rate	\$/kW	0.2407
Rate Rider for Global Adjustment Sub-Account Disposition (2012) – Effective until April 30, 2013 Applicable only for Non-RPP Customers	\$/kWh	0.0033	Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3438)
Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kW	1.1141	Retail Transmission Rate - Network Service Rate	\$/kW	1.8502
Retail Transmission Rate - Network Service Rate	\$/kW	1.9364	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8994
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9833	Wholesale Market Service Rate	\$/kWh	0.0052
Rate Rider for Disposition of PILS Deferral/Variance Account (2012) - effective until April 30, 2013	\$/kW	0.6495	Rural Rate Protection Charge	\$/kWh	0.0011
Wholesale Market Service Rate	\$/kWh	0.0052	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000			
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011			
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25			
Street Lighting			Street Lighting		
Service Charge (per connection)	\$	1.96	Service Charge (per connection)	\$	1.98
Distribution Volumetric Rate	\$/kW	7.3914	Distribution Volumetric Rate	\$/kW	7.4564
Low Voltage Service Rate	\$/kW	0.2358	Low Voltage Service Rate	\$/kW	0.2358
Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kW	0.0688	Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3002)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9267	Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014 Applicable only for Non-RPP Customers	\$/kW	(0.6052)
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9632	Retail Transmission Rate - Network Service Rate	\$/kW	1.8409
Rate Rider for Disposition of PILS Deferral/Variance Account (2012) - effective until April 30, 2013	\$/kW	0.2043	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8810
Wholesale Market Service Rate	\$/kWh	0.0052	Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000	Rural Rate Protection Charge	\$/kWh	0.0011
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25			
Embedded Distributor			Embedded Distributor		
Service Charge (per connection)	\$	613.91	Service Charge (per connection)	\$	619.31
Rate Rider for Deferral/Variance Account Disposition (2012) – Effective until April 30, 2013	\$/kWh	(0.0012)	Retail Transmission Rate - Network Service Rate	\$/kWh	
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0063	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	

Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0031	Wholesale Market Service Rate	\$/kWh	0.0052
Wholesale Market Service Rate	\$/kWh	0.0052	Rural Rate Protection Charge	\$/kWh	0.0011
Rural Rate Protection Charge - effective until April 30, 2012	0	0.0000	Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Rural Rate Protection Charge - effective on and after May 1, 2012	\$/kWh	0.0011			
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25			
MicroFit			MicroFit		
Service Charge	\$	5.25	Service Charge	\$	5.40



3RD Generation Incentive Regulation Model for 2013 Filers

Norfolk Power Distribution Ltd.

The following is a complete Tariff Schedule based on the information entered in this model. Please review.

Note: This worksheet is **unlocked** and the print margins, row heights, number formats, etc. can be adjusted.

Norfolk Power Distribution Ltd. **TARIFF OF RATES AND CHARGES** **Effective and Implementation Date May 01, 2013**

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

EB-2012-0151

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 service work 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, an 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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	20.95
Distribution Volumetric Rate	\$/kWh	0.0219
Low Voltage Volumetric Rate	\$/kWh	0.0009
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	0.10
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0004
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum 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.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	50.18
Distribution Volumetric Rate	\$/kWh	0.0156
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0008)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	3.42
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kWh	0.0005
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 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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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	246.53
Distribution Volumetric Rate	\$/kW	3.9760
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3237)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kW	(0.6615)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4408
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.1396
Rate Rider for Recovery of Residual Historical Smart Meter Costs - effective until April 30, 2016	\$	(1.03)
Rate Rider for Recovery of Smart Meter Stranded Assets - effective until April 30, 2016	\$	0.93
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) recovery	\$/kW	0.0262
- effective until April 30, 2014		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in the

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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	15.56
Distribution Volumetric Rate	\$/kWh	0.0088
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kWh	(0.0009)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0028

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are 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.

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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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	6.56
Distribution Volumetric Rate	\$/kW	19.5104
Low Voltage Service Rate	\$/kW	0.2407
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3438)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8502
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8994

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the 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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.98
Distribution Volumetric Rate	\$/kW	7.4564
Low Voltage Service Rate	\$/kW	0.2358
Rate Rider for Deferral/Variance Account Disposition (2013) - effective until May 01, 2014	\$/kW	(0.3002)
Rate Rider for Global Adjustment Sub-Account Disposition (2013) - effective until May 01, 2014		
Applicable only for Non-RPP Customers	\$/kW	(0.6052)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8409
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8810

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, and provided electricity by means of Norfolk Power Distribution Inc.'s distribution facilities. 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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	619.31
Retail Transmission Rate - Network Service Rate	\$/kWh	
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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 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 Global Adjustment, the

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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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

Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Pulling Post Dated Cheques	\$	15.00
Duplicate Invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income Tax Letter	\$	15.00
Notification charge	\$	15.00
Account History	\$	15.00
Credit Reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
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
Collection of account charge – no disconnection – after regular hours	\$	165.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect at pole – after regular hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Service call – customer owned equipment	\$	30.00
Service call – after regular hours	\$	165.00
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.

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

LOSS FACTORS

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	1.0564
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0564
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0464
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0464

General Service Less Than 50 kW

Consumption 2,000 kWh
RPP Tier One 750 kWh
Load Factor
Loss Factor 1.0564

	CURRENT ESTIMATED BILL			PROPOSED ESTIMATED BILL			Change (\$)	Change (%)	% of Total RPP Bill	% of Total TOU Bill
	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)				
Energy First Tier (kWh)	750.00	0.0750	56.25	750.00	0.0750	56.25	0.00	0.00%	17.90%	
Energy Second Tier (kWh)	1,362.80	0.0880	119.93	1,362.80	0.0880	119.93	0.00	0.00%	38.17%	
TOU - Off Peak	1,352.19	0.0650	87.89	1,352.19	0.0650	87.89	0.00	0.00%		28.50%
TOU - Mid Peak	380.30	0.1000	38.03	380.30	0.1000	38.03	0.00	0.00%		12.33%
TOU - On Peak	380.30	0.1170	44.50	380.30	0.1170	44.50	0.00	0.00%		14.43%
Service Charge	1	49.74	49.74	1	50.18	50.18	0.44	0.88%	15.97%	16.27%
Service Charge Rate Rider(s)	1	4.35	4.35	1	4.35	4.35	0.00	0.00%	1.38%	1.41%
Distribution Volumetric Rate	2000	0.0155	31.00	2,000	0.0156	31.20	0.20	0.65%	9.93%	10.12%
Low Voltage Volumetric Rate	2000	0.0008	1.60	2,000	0.0008	1.60	0.00	0.00%	0.51%	0.52%
Distribution Volumetric Rate Rider(s)	2000	0.0003	0.60	2,000	(0.0004)	(0.70)	(1.30)	(216.67)%	-0.22%	-0.23%
Total: Distribution			87.29			86.63	(0.66)	(0.76)%	27.57%	28.09%
Retail Transmission Rate - Network Service Rate	2,112.80	0.0063	13.31	2,112.80	0.0060	12.68	(0.63)	-4.73%	4.04%	4.11%
Retail Transmission Rate - Line and Transformation Connection Service Rate	2,112.80	0.0031	6.55	2,112.80	0.0028	5.92	(0.63)	-9.62%	1.88%	1.92%
Total: Retail Transmission			19.86			18.60	(1.26)	(6.34)%	5.92%	6.03%
Sub-Total: Delivery (Distribution and Retail Transmission)			107.15			105.23	(1.92)	(1.79)%	33.49%	34.13%
Wholesale Market Service Rate	2,112.80	0.0052	10.99	2,112.80	0.0052	10.99	0.00	0.00%	3.50%	3.56%
Rural Rate Protection Charge	2,112.80	0.0011	2.32	2,112.80	0.0011	2.32	0.00	0.00%	0.74%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			13.56			13.56	0.00	0.00%	4.32%	4.40%
Debt Retirement Charge (DRC)	2,000.00	0.00700	14.00	2,000.00	0.0070	14.00	0.00	0.00%	4.46%	4.54%
Total Bill on RPP (before taxes)			310.89			308.97	(1.92)	(0.62)%	98.33%	
HST		13%	40.42		13%	40.17	(0.25)	(0.62)%	12.78%	
Total Bill (including HST)			351.31			349.14	(2.17)	(0.62)%	111.11%	
Ontario Clean Energy Benefit (OCEB)		(10%)	(35.13)		(10%)	(34.91)	0.22	(0.62)%	-11.11%	
Total Bill on RPP (including OCEB)			316.18			314.22	(1.95)	(0.62)%	100.00%	
Total Bill on TOU (before taxes)			305.13			303.21	(1.92)	(0.63)%		98.33%
HST		13%	39.67		13%	39.42	(0.25)	(0.63)%		12.78%
Total Bill (including HST)			344.80			342.63	(2.17)	(0.63)%		111.11%
Ontario Clean Energy Benefit (OCEB)		(10%)	(34.48)		(10%)	(34.26)	0.22	(0.63)%		-11.11%
Total Bill on TOU (including OCEB)			310.32			308.36	(1.95)	(0.63)%		100.00%

Appendix F – 2013 IRM Tax Sharing Model



3RD Generation Incentive Regulation Shared Tax Savings Model for 2013 Filers

Version 1.0

Utility Name	Norfolk Power Distribution Ltd.
Assigned EB Number	EB-2012-0151
Name and Title	Jody McEachran, Chief Financial Officer
Phone Number	519-426-4440 x2264
Email Address	jmceachran@norfolkpower.on.ca
Date	12-Oct-12
Last COS Re-based Year	2012

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

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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.



3RD Generation Incentive Regulation Shared Tax Savings Model for 2013 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**



3RD Generation Incentive Regulation Shared Tax Savings Model for 2013 Filers

Enter your 2012 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 2012

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	17,026	149,120,393		20.77	0.0217	
GSLT50	General Service Less Than 50 kW	Customer	kWh	1,986	61,992,882		49.74	0.0155	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	165	130,806,348	344,556	244.38		3.9413
USL	Unmetered Scattered Load	Connection	kWh	76	466,025		15.42	0.0087	
Sen	Sentinel Lighting	Connection	kW	375	349,585	879	6.50		19.3402
SL	Street Lighting	Connection	kW	3,825	3,400,608	9,791	1.96		7.3914
EMB	Embedded Distributor	Connection		5	33,900,000		613.91		
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						



3RD Generation Incentive Regulation Shared Tax Savings Model for 2013 Filers

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

Last COS Re-based Year was in 2012

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	17,026	149,120,393	0	20.77	0.0217	0.0000	4,243,560	3,235,913	0	7,479,473
General Service Less Than 50 kW	1,986	61,992,882	0	49.74	0.0155	0.0000	1,185,404	960,890	0	2,146,293
General Service 50 to 4,999 kW	165	130,806,348	344,556	244.38	0.0000	3.9413	483,872	0	1,357,999	1,841,871
Unmetered Scattered Load	76	466,025	0	15.42	0.0087	0.0000	14,063	4,054	0	18,117
Sentinel Lighting	375	349,585	879	6.50	0.0000	19.3402	29,250	0	17,000	46,250
Street Lighting	3,825	3,400,608	9,791	1.96	0.0000	7.3914	89,964	0	72,369	162,333
Embedded Distributor	5	33,900,000	0	613.91	0.0000	0.0000	36,835	0	0	36,835
							6,082,948	4,200,857	1,447,368	11,731,172



3RD Generation Incentive Regulation Shared Tax Savings Model for 2013 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 2012 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

22000

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2012	2013
Taxable Capital	\$ 59,453,947	\$59,453,947
Deduction from taxable capital up to \$15,000,000	\$ 15,000,000	\$15,000,000
Net Taxable Capital	\$ 44,453,947	\$44,453,947
Rate	0.000%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2012	2013
Regulatory Taxable Income	\$ 1,402,440	\$ 1,402,440
Corporate Tax Rate	23.20%	24.00%
Tax Impact	\$ 237,744	\$ 314,647
Grossed-up Tax Amount	\$ 303,366	\$ 414,032
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 303,366	\$ 414,032
Total Tax Related Amounts	\$ 303,366	\$ 414,032
Incremental Tax Savings		\$ 110,666
Sharing of Tax Savings (50%)		\$ 55,333



3RD Generation Incentive Regulation Shared Tax Savings Model for 2013 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 2013 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	\$7,479,472.7681	63.76%	\$35,279	149,120,393	0	\$0.0002	
General Service Less Than 50 kW	\$2,146,293	18.30%	\$10,124	61,992,882	0	\$0.0002	
General Service 50 to 4,999 kW	\$1,841,871	15.70%	\$8,688	130,806,348	344,556		\$0.0252
Unmetered Scattered Load	\$18,117	0.15%	\$85	466,025	0	\$0.0002	
Sentinel Lighting	\$46,250	0.39%	\$218	349,585	879		\$0.2482
Street Lighting	\$162,333	1.38%	\$766	3,400,608	9,791		\$0.0782
Embedded Distributor	\$36,835	0.31%	\$174	33,900,000	0		
	\$11,731,172 H	100.00%	\$55,333 I				

Appendix G – 2013 RTSR Model



RTSR Workform for Electricity Distributors (2013 Filers)

Utility Name	Norfolk Power Distribution Ltd.
Assigned EB Number	EB-2012-0151
Name and Title	Jody McEachran, Chief Financial Officer
Phone Number	519-426-4440 x2264
Email Address	jmcceachran@norfolkpower.on.ca
Date	October 12 2012
Last COS Re-based Year	2012

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

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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.

Algoma Power Inc.
Atikokan Hydro Inc.
Attawapiskat Power Corporation
Bluewater Power Distribution Corp.
Brant County Power
Brantford Power Inc.
Burlington Hydro Inc.
Cambridge and North Dumfries Hydro
Canadian Niagara Power Inc. – Eastern Ontario Power/Fort Erie/Port Colborne
Centre Wellington Hydro Ltd.
Champlain Public Utilities Corporation
COHES Power Corp.
Cooperative Hydro Embrun Inc.
E.L.K. Energy Inc.
Enersource Hydro Mississauga Inc.
Entegrus Powerlines Inc.
ENWIN Utilities Ltd.
Erie Thames Powerlines Corp.
Espanola Regional Hydro Distribution Corporation
Essex Powerlines Corporation
Festival Hydro Inc.
Fort Albany Power Corporation
Fort Frances Power Corporation
Greater Sudbury Hydro Inc.
Grimsby Power Inc.
Guelph Hydro Electric Systems Inc.
Haldimand County Hydro Inc.
Halton Hills Hydro Inc.
Hearst Power Distribution Co. Ltd.

Horizon Utilities Corporation
Hydro 2000 Inc.
Hydro Hawkesbury Inc.
Hydro One Brampton Networks Inc.
Hydro One Networks Inc.
Hydro One Remote Communities Inc.
Hydro Ottawa Limited
Innisfil Hydro Dist. Systems Limited
Kashechewan Power Corporation
Kenora Hydro Electric Corporation Ltd.
Kingston Hydro Corporation
Kitchener-Wilmot Hydro Inc.
Lakefront Utilities Inc.
Lakeland Power Distribution Ltd.
London Hydro Inc.
Midland Power Utility Corporation
Milton Hydro Distribution Inc.
Newmarket – Tay Power Distribution Ltd.
Niagara Peninsula Energy Inc.
Niagara-on-the-Lake Hydro Inc.
Norfolk Power Distribution Ltd.
North Bay Hydro Distribution Limited
Northern Ontario Wires Inc.
Oakville Hydro Distribution Inc.
Orangeville Hydro Limited
Orillia Power Distribution Corp.
Oshawa PUC Networks Inc.
Ottawa River Power Corporation
Parry Sound Power Corporation
Peterborough Distribution Inc.
PowerStream Inc.
PUC Distribution Inc.
Renfrew Hydro Inc.
Rideau St. Lawrence Distribution Inc.
St. Thomas Energy Inc.
Sioux Lookout Hydro Inc.
Thunder Bay Hydro Electricity Distribution
Tillsonburg Hydro Inc.
Toronto Hydro-Electric System Limited
Veridian Connections Inc.
Wasaga Distribution Inc.
Waterloo North Hydro Inc.
Welland Hydro Electric System Corp.
Wellington North Power Inc.
West Coast Huron Energy Inc.
Westario Power Inc.
Whitby Hydro Electric Corporation
Woodstock Hydro Services Inc.



RTSR Workform for Electricity Distributors (2013 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](#)

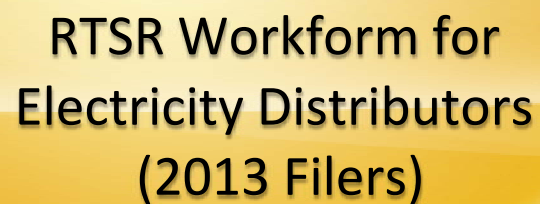
[9. Adj Network to Current WS](#)

[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 (2013 Filers)

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



RTSR Workform for Electricity Distributors (2013 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	145,220,158	-			145,220,158	-
General Service Less Than 50 kW	kWh	60,083,400	-			60,083,400	-
General Service 50 to 4,999 kW	kW	160,134,862	339,114		64.72%	160,134,862	339,114
Unmetered Scattered Load	kWh	475,017	-			475,017	-
Sentinel Lighting	kW	313,766	870		49.43%	313,766	870
Street Lighting	kW	3,084,838	9,350		45.22%	3,084,838	9,350
Embedded Distributor	kWh		-			-	-



RTSR Workform for Electricity Distributors (2013 Filers)

Uniform Transmission Rates		Effective January 1, 2011	Effective January 1, 2012	Effective January 1, 2013
Rate Description	Unit	Rate	Rate	Rate
Network Service Rate	kW	\$ 3.22	\$ 3.57	\$ 3.57
Line Connection Service Rate	kW	\$ 0.79	\$ 0.80	\$ 0.80
Transformation Connection Service Rate	kW	\$ 1.77	\$ 1.86	\$ 1.86
Hydro One Sub-Transmission Rates		Effective January 1, 2011	Effective January 1, 2012	Effective January 1, 2013
Rate Description	Unit	Rate	Rate	Rate
Network Service Rate	kW	\$ 2.65	\$ 2.65	\$ 2.65
Line Connection Service Rate	kW	\$ 0.64	\$ 0.64	\$ 0.64
Transformation Connection Service Rate	kW	\$ 1.50	\$ 1.50	\$ 1.50
Both Line and Transformation Connection Service Rate	kW	\$ 2.14	\$ 2.14	\$ 2.14
Hydro One Sub-Transmission Rate Rider 6A		Effective January 1, 2011	Effective January 1, 2012	Effective January 1, 2013
Rate Description	Unit	Rate	Rate	Rate
RSVA Transmission network – 4714 – which affects 1584	kW	\$ 0.0470	\$ -	\$ -
RSVA Transmission connection – 4716 – which affects 1586	kW	-\$ 0.0250	\$ -	\$ -
RSVA LV – 4750 – which affects 1550	kW	\$ 0.0580	\$ -	\$ -
RARA 1 – 2252 – which affects 1590	kW	-\$ 0.0750	\$ -	\$ -
Hydro One Sub-Transmission Rate Rider 6A	kW	<u>\$ 0.0050</u>	<u>\$ -</u>	<u>\$ -</u>



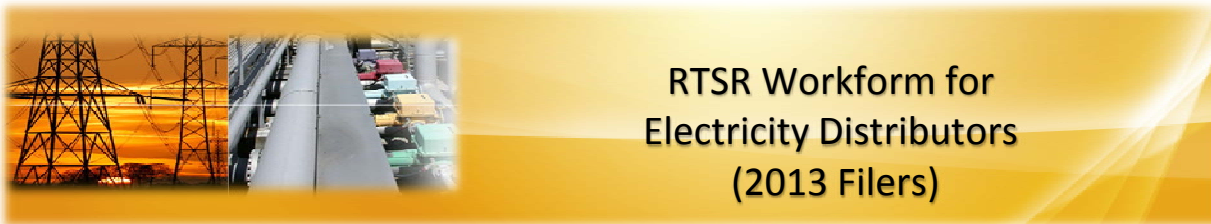
RTSR Workform for Electricity Distributors (2013 Filers)

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	Amount
January	40,723	\$3.22	\$ 131,128	40,824	\$0.79	\$ 32,251	11,694	\$1.77	\$ 20,698	\$ 52,949
February	40,906	\$3.22	\$ 131,717	41,007	\$0.79	\$ 32,396	11,727	\$1.77	\$ 20,757	\$ 53,152
March	37,359	\$3.22	\$ 120,296	37,536	\$0.79	\$ 29,653	10,919	\$1.77	\$ 19,327	\$ 48,980
April	32,869	\$3.22	\$ 105,838	34,670	\$0.79	\$ 27,389	9,881	\$1.77	\$ 17,489	\$ 44,879
May	39,070	\$3.22	\$ 125,805	41,827	\$0.79	\$ 33,043	11,424	\$1.77	\$ 20,220	\$ 53,264
June	42,010	\$3.22	\$ 135,272	45,058	\$0.79	\$ 35,596	12,304	\$1.77	\$ 21,778	\$ 57,374
July	49,200	\$3.22	\$ 158,424	52,841	\$0.79	\$ 41,744	14,066	\$1.77	\$ 24,897	\$ 66,641
August	43,509	\$3.22	\$ 140,099	45,211	\$0.79	\$ 35,717	11,883	\$1.77	\$ 21,033	\$ 56,750
September	42,178	\$3.22	\$ 135,813	45,461	\$0.79	\$ 35,914	13,271	\$1.77	\$ 23,490	\$ 59,404
October	34,419	\$3.22	\$ 110,829	34,419	\$0.79	\$ 27,191	10,494	\$1.77	\$ 18,574	\$ 45,765
November	35,811	\$3.22	\$ 115,311	36,499	\$0.79	\$ 28,834	11,045	\$1.77	\$ 19,550	\$ 48,384
December	34,845	\$3.22	\$ 112,201	36,540	\$0.79	\$ 28,867	11,277	\$1.77	\$ 19,960	\$ 48,827
Total	472,899	\$ 3.22	\$ 1,522,735	491,893	\$ 0.79	\$ 388,595	139,985	\$ 1.77	\$ 247,773	\$ 636,369

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	15,655	\$2.65	\$ 41,486	15,794	\$0.64	\$ 10,108	15,794	\$1.50	\$ 23,691	\$ 33,799
February	14,443	\$2.65	\$ 38,274	14,505	\$0.64	\$ 9,283	14,505	\$1.50	\$ 21,758	\$ 31,041
March	13,383	\$2.65	\$ 35,465	13,383	\$0.64	\$ 8,565	13,383	\$1.50	\$ 20,075	\$ 28,640
April	12,093	\$2.65	\$ 32,046	12,159	\$0.64	\$ 7,782	12,159	\$1.50	\$ 18,239	\$ 26,020
May	14,286	\$2.65	\$ 37,858	14,286	\$0.64	\$ 9,143	14,286	\$1.50	\$ 21,429	\$ 30,572
June	15,909	\$2.65	\$ 42,159	15,909	\$0.64	\$ 10,182	15,909	\$1.50	\$ 23,864	\$ 34,045
July	21,622	\$2.65	\$ 57,298	21,622	\$0.64	\$ 13,838	21,622	\$1.50	\$ 32,433	\$ 46,271
August	17,685	\$2.65	\$ 46,865	18,487	\$0.64	\$ 11,832	18,487	\$1.50	\$ 27,731	\$ 39,562
September	13,440	\$2.65	\$ 35,616	13,603	\$0.64	\$ 8,706	13,603	\$1.50	\$ 20,405	\$ 29,110
October	13,100	\$2.65	\$ 34,715	13,350	\$0.64	\$ 8,544	13,350	\$1.50	\$ 20,025	\$ 28,569
November	14,601	\$2.65	\$ 38,693	14,827	\$0.64	\$ 9,489	14,827	\$1.50	\$ 22,241	\$ 31,730
December	15,000	\$2.65	\$ 39,750	15,000	\$0.64	\$ 9,600	15,000	\$1.50	\$ 22,500	\$ 32,100
Total	181,217	\$ 2.65	\$ 480,225	182,925	\$ 0.64	\$ 117,072	182,925	\$ 1.50	\$ 274,388	\$ 391,460

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	56,378	\$3.06	\$ 172,614	56,618	\$0.75	\$ 42,359	27,488	\$1.61	\$ 44,390	\$ 86,749
February	55,349	\$3.07	\$ 169,991	55,512	\$0.75	\$ 41,679	26,232	\$1.62	\$ 42,515	\$ 84,193
March	50,742	\$3.07	\$ 155,761	50,919	\$0.75	\$ 38,219	24,302	\$1.62	\$ 39,401	\$ 77,620
April	44,962	\$3.07	\$ 137,885	46,829	\$0.75	\$ 35,171	22,040	\$1.62	\$ 35,728	\$ 70,899
May	53,356	\$3.07	\$ 163,663	56,113	\$0.75	\$ 42,186	25,710	\$1.62	\$ 41,649	\$ 83,836
June	57,919	\$3.06	\$ 177,431	60,967	\$0.75	\$ 45,778	28,213	\$1.62	\$ 45,642	\$ 91,419
July	70,822	\$3.05	\$ 215,722	74,463	\$0.75	\$ 55,582	35,688	\$1.61	\$ 57,330	\$ 112,912
August	61,194	\$3.06	\$ 186,964	63,698	\$0.75	\$ 47,548	30,370	\$1.61	\$ 48,763	\$ 96,312
September	55,618	\$3.08	\$ 171,429	59,064	\$0.76	\$ 44,620	26,874	\$1.63	\$ 43,894	\$ 88,514
October	47,519	\$3.06	\$ 145,544	47,769	\$0.75	\$ 35,735	23,844	\$1.62	\$ 38,599	\$ 74,334
November	50,412	\$3.05	\$ 154,004	51,326	\$0.75	\$ 38,323	25,872	\$1.62	\$ 41,790	\$ 80,114
December	49,845	\$3.05	\$ 151,951	51,540	\$0.75	\$ 38,467	26,277	\$1.62	\$ 42,460	\$ 80,927
Total	654,116	\$ 3.06	\$ 2,002,960	674,818	\$ 0.75	\$ 505,667	322,910	\$ 1.62	\$ 522,162	\$ 1,027,829



The purpose of this sheet is to calculate the expected billing when current 2012 Uniform Transmission Rates are applied against historical 2011 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	40,723	\$ 3.5700	\$ 145,381	40,824	\$ 0.8000	\$ 32,659	11,694	\$ 1.8600	\$ 21,751	\$ 54,410
February	40,906	\$ 3.5700	\$ 146,034	41,007	\$ 0.8000	\$ 32,806	11,727	\$ 1.8600	\$ 21,812	\$ 54,618
March	37,359	\$ 3.5700	\$ 133,372	37,536	\$ 0.8000	\$ 30,029	10,919	\$ 1.8600	\$ 20,309	\$ 50,338
April	32,869	\$ 3.5700	\$ 117,342	34,670	\$ 0.8000	\$ 27,736	9,881	\$ 1.8600	\$ 18,379	\$ 46,115
May	39,070	\$ 3.5700	\$ 139,480	41,827	\$ 0.8000	\$ 33,462	11,424	\$ 1.8600	\$ 21,249	\$ 54,710
June	42,010	\$ 3.5700	\$ 149,976	45,058	\$ 0.8000	\$ 36,046	12,304	\$ 1.8600	\$ 22,885	\$ 58,932
July	49,200	\$ 3.5700	\$ 175,644	52,841	\$ 0.8000	\$ 42,273	14,066	\$ 1.8600	\$ 26,163	\$ 68,436
August	43,509	\$ 3.5700	\$ 155,327	45,211	\$ 0.8000	\$ 36,169	11,883	\$ 1.8600	\$ 22,102	\$ 58,271
September	42,178	\$ 3.5700	\$ 150,575	45,461	\$ 0.8000	\$ 36,369	13,271	\$ 1.8600	\$ 24,684	\$ 61,053
October	34,419	\$ 3.5700	\$ 122,876	34,419	\$ 0.8000	\$ 27,535	10,494	\$ 1.8600	\$ 19,519	\$ 47,054
November	35,811	\$ 3.5700	\$ 127,845	36,499	\$ 0.8000	\$ 29,199	11,045	\$ 1.8600	\$ 20,544	\$ 49,743
December	34,845	\$ 3.5700	\$ 124,397	36,540	\$ 0.8000	\$ 29,232	11,277	\$ 1.8600	\$ 20,975	\$ 50,207
Total	472,899	\$ 3.57	\$ 1,688,249	491,893	\$ 0.80	\$ 393,514	139,985	\$ 1.86	\$ 260,372	\$ 653,887

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	15,655	\$ 2.6500	\$ 41,486	15,794	\$ 0.6400	\$ 10,108	15,794	\$ 1.5000	\$ 23,691	\$ 33,799
February	14,443	\$ 2.6500	\$ 38,274	14,505	\$ 0.6400	\$ 9,283	14,505	\$ 1.5000	\$ 21,758	\$ 31,041
March	13,383	\$ 2.6500	\$ 35,465	13,383	\$ 0.6400	\$ 8,565	13,383	\$ 1.5000	\$ 20,075	\$ 28,640
April	12,093	\$ 2.6500	\$ 32,046	12,159	\$ 0.6400	\$ 7,782	12,159	\$ 1.5000	\$ 18,239	\$ 26,020
May	14,286	\$ 2.6500	\$ 37,858	14,286	\$ 0.6400	\$ 9,143	14,286	\$ 1.5000	\$ 21,429	\$ 30,572
June	15,909	\$ 2.6500	\$ 42,159	15,909	\$ 0.6400	\$ 10,182	15,909	\$ 1.5000	\$ 23,864	\$ 34,045
July	21,622	\$ 2.6500	\$ 57,298	21,622	\$ 0.6400	\$ 13,838	21,622	\$ 1.5000	\$ 32,433	\$ 46,271
August	17,685	\$ 2.6500	\$ 46,865	18,487	\$ 0.6400	\$ 11,832	18,487	\$ 1.5000	\$ 27,731	\$ 39,562
September	13,440	\$ 2.6500	\$ 35,616	13,603	\$ 0.6400	\$ 8,706	13,603	\$ 1.5000	\$ 20,405	\$ 29,110
October	13,100	\$ 2.6500	\$ 34,715	13,350	\$ 0.6400	\$ 8,544	13,350	\$ 1.5000	\$ 20,025	\$ 28,569
November	14,601	\$ 2.6500	\$ 38,693	14,827	\$ 0.6400	\$ 9,489	14,827	\$ 1.5000	\$ 22,241	\$ 31,730
December	15,000	\$ 2.6500	\$ 39,750	15,000	\$ 0.6400	\$ 9,600	15,000	\$ 1.5000	\$ 22,500	\$ 32,100
Total	181,217	\$ 2.65	\$ 480,225	182,925	\$ 0.64	\$ 117,072	182,925	\$ 1.50	\$ 274,388	\$ 391,460



RTSR Workform for Electricity Distributors (2013 Filers)

The purpose of this sheet is to calculate the expected billing when current 2012 Uniform Transmission Rates are applied against historical 2011 transmission units.

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	56,378	\$ 3.31	\$ 186,867	56,618	\$ 0.76	\$ 42,767	27,488	\$ 1.65	\$ 45,442	\$ 88,209
February	55,349	\$ 3.33	\$ 184,308	55,512	\$ 0.76	\$ 42,089	26,232	\$ 1.66	\$ 43,570	\$ 85,659
March	50,742	\$ 3.33	\$ 168,837	50,919	\$ 0.76	\$ 38,594	24,302	\$ 1.66	\$ 40,384	\$ 78,978
April	44,962	\$ 3.32	\$ 149,389	46,829	\$ 0.76	\$ 35,518	22,040	\$ 1.66	\$ 36,617	\$ 72,135
May	53,356	\$ 3.32	\$ 177,338	56,113	\$ 0.76	\$ 42,605	25,710	\$ 1.66	\$ 42,678	\$ 85,282
June	57,919	\$ 3.32	\$ 192,135	60,967	\$ 0.76	\$ 46,228	28,213	\$ 1.66	\$ 46,749	\$ 92,977
July	70,822	\$ 3.29	\$ 232,942	74,463	\$ 0.75	\$ 56,111	35,688	\$ 1.64	\$ 58,596	\$ 114,707
August	61,194	\$ 3.30	\$ 202,192	63,698	\$ 0.75	\$ 48,000	30,370	\$ 1.64	\$ 49,833	\$ 97,833
September	55,618	\$ 3.35	\$ 186,191	59,064	\$ 0.76	\$ 45,075	26,874	\$ 1.68	\$ 45,089	\$ 90,163
October	47,519	\$ 3.32	\$ 157,591	47,769	\$ 0.76	\$ 36,079	23,844	\$ 1.66	\$ 39,544	\$ 75,623
November	50,412	\$ 3.30	\$ 166,538	51,326	\$ 0.75	\$ 38,688	25,872	\$ 1.65	\$ 42,784	\$ 81,473
December	49,845	\$ 3.29	\$ 164,147	51,540	\$ 0.75	\$ 38,832	26,277	\$ 1.65	\$ 43,475	\$ 82,307
Total	654,116	\$ 3.32	\$ 2,168,474	674,818	\$ 0.76	\$ 510,586	322,910	\$ 1.66	\$ 534,760	\$ 1,045,346



RTSR Workform for Electricity Distributors (2013 Filers)

The purpose of this sheet is to calculate the expected billing when forecasted 2013 Uniform Transmission Rates are applied against historical 2011 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	40,723	\$ 3.5700	\$ 145,381	40,824	\$ 0.8000	\$ 32,659	11,694	\$ 1.8600	\$ 21,751	\$		\$ 54,410	
February	40,906	\$ 3.5700	\$ 146,034	41,007	\$ 0.8000	\$ 32,806	11,727	\$ 1.8600	\$ 21,812	\$		\$ 54,618	
March	37,359	\$ 3.5700	\$ 133,372	37,536	\$ 0.8000	\$ 30,029	10,919	\$ 1.8600	\$ 20,309	\$		\$ 50,338	
April	32,869	\$ 3.5700	\$ 117,342	34,670	\$ 0.8000	\$ 27,736	9,881	\$ 1.8600	\$ 18,379	\$		\$ 46,115	
May	39,070	\$ 3.5700	\$ 139,480	41,827	\$ 0.8000	\$ 33,462	11,424	\$ 1.8600	\$ 21,249	\$		\$ 54,710	
June	42,010	\$ 3.5700	\$ 149,976	45,058	\$ 0.8000	\$ 36,046	12,304	\$ 1.8600	\$ 22,885	\$		\$ 58,932	
July	49,200	\$ 3.5700	\$ 175,644	52,841	\$ 0.8000	\$ 42,273	14,066	\$ 1.8600	\$ 26,163	\$		\$ 68,436	
August	43,509	\$ 3.5700	\$ 155,327	45,211	\$ 0.8000	\$ 36,169	11,883	\$ 1.8600	\$ 22,102	\$		\$ 58,271	
September	42,178	\$ 3.5700	\$ 150,575	45,461	\$ 0.8000	\$ 36,369	13,271	\$ 1.8600	\$ 24,684	\$		\$ 61,053	
October	34,419	\$ 3.5700	\$ 122,876	34,419	\$ 0.8000	\$ 27,535	10,494	\$ 1.8600	\$ 19,519	\$		\$ 47,054	
November	35,811	\$ 3.5700	\$ 127,845	36,499	\$ 0.8000	\$ 29,199	11,045	\$ 1.8600	\$ 20,544	\$		\$ 49,743	
December	34,845	\$ 3.5700	\$ 124,397	36,540	\$ 0.8000	\$ 29,232	11,277	\$ 1.8600	\$ 20,975	\$		\$ 50,207	
Total	472,899	\$ 3.57	\$ 1,688,249	491,893	\$ 0.80	\$ 393,514	139,985	\$ 1.86	\$ 260,372	\$		\$ 653,887	

Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	15,655	\$ 2.6500	\$ 41,486	15,794	\$ 0.6400	\$ 10,108	15,794	\$ 1.5000	\$ 23,691	\$		\$ 33,799	
February	14,443	\$ 2.6500	\$ 38,274	14,505	\$ 0.6400	\$ 9,283	14,505	\$ 1.5000	\$ 21,758	\$		\$ 31,041	
March	13,383	\$ 2.6500	\$ 35,465	13,383	\$ 0.6400	\$ 8,565	13,383	\$ 1.5000	\$ 20,075	\$		\$ 28,640	
April	12,093	\$ 2.6500	\$ 32,046	12,159	\$ 0.6400	\$ 7,782	12,159	\$ 1.5000	\$ 18,239	\$		\$ 26,020	
May	14,286	\$ 2.6500	\$ 37,858	14,286	\$ 0.6400	\$ 9,143	14,286	\$ 1.5000	\$ 21,429	\$		\$ 30,572	
June	15,909	\$ 2.6500	\$ 42,159	15,909	\$ 0.6400	\$ 10,182	15,909	\$ 1.5000	\$ 23,864	\$		\$ 34,045	
July	21,622	\$ 2.6500	\$ 57,298	21,622	\$ 0.6400	\$ 13,838	21,622	\$ 1.5000	\$ 32,433	\$		\$ 46,271	
August	17,685	\$ 2.6500	\$ 46,865	18,487	\$ 0.6400	\$ 11,832	18,487	\$ 1.5000	\$ 27,731	\$		\$ 39,562	
September	13,440	\$ 2.6500	\$ 35,616	13,603	\$ 0.6400	\$ 8,706	13,603	\$ 1.5000	\$ 20,405	\$		\$ 29,110	
October	13,100	\$ 2.6500	\$ 34,715	13,350	\$ 0.6400	\$ 8,544	13,350	\$ 1.5000	\$ 20,025	\$		\$ 28,569	
November	14,601	\$ 2.6500	\$ 38,693	14,827	\$ 0.6400	\$ 9,489	14,827	\$ 1.5000	\$ 22,241	\$		\$ 31,730	
December	15,000	\$ 2.6500	\$ 39,750	15,000	\$ 0.6400	\$ 9,600	15,000	\$ 1.5000	\$ 22,500	\$		\$ 32,100	
Total	181,217	\$ 2.65	\$ 480,225	182,925	\$ 0.64	\$ 117,072	182,925	\$ 1.50	\$ 274,388	\$		\$ 391,460	



RTSR Workform for Electricity Distributors (2013 Filers)

The purpose of this sheet is to calculate the expected billing when forecasted 2013 Uniform Transmission Rates are applied against historical 2011 transmission units.

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	56,378	\$ 3.31	\$ 186,867	56,618	\$ 0.76	\$ 42,767	27,488	\$ 1.65	\$ 45,442	\$ 88,209
February	55,349	\$ 3.33	\$ 184,308	55,512	\$ 0.76	\$ 42,089	26,232	\$ 1.66	\$ 43,570	\$ 85,659
March	50,742	\$ 3.33	\$ 168,837	50,919	\$ 0.76	\$ 38,594	24,302	\$ 1.66	\$ 40,384	\$ 78,978
April	44,962	\$ 3.32	\$ 149,389	46,829	\$ 0.76	\$ 35,518	22,040	\$ 1.66	\$ 36,617	\$ 72,135
May	53,356	\$ 3.32	\$ 177,338	56,113	\$ 0.76	\$ 42,605	25,710	\$ 1.66	\$ 42,678	\$ 85,282
June	57,919	\$ 3.32	\$ 192,135	60,967	\$ 0.76	\$ 46,228	28,213	\$ 1.66	\$ 46,749	\$ 92,977
July	70,822	\$ 3.29	\$ 232,942	74,463	\$ 0.75	\$ 56,111	35,688	\$ 1.64	\$ 58,596	\$ 114,707
August	61,194	\$ 3.30	\$ 202,192	63,698	\$ 0.75	\$ 48,000	30,370	\$ 1.64	\$ 49,833	\$ 97,833
September	55,618	\$ 3.35	\$ 186,191	59,064	\$ 0.76	\$ 45,075	26,874	\$ 1.68	\$ 45,089	\$ 90,163
October	47,519	\$ 3.32	\$ 157,591	47,769	\$ 0.76	\$ 36,079	23,844	\$ 1.66	\$ 39,544	\$ 75,623
November	50,412	\$ 3.30	\$ 166,538	51,326	\$ 0.75	\$ 38,688	25,872	\$ 1.65	\$ 42,784	\$ 81,473
December	49,845	\$ 3.29	\$ 164,147	51,540	\$ 0.75	\$ 38,832	26,277	\$ 1.65	\$ 43,475	\$ 82,307
Total	654,116	\$ 3.32	\$ 2,168,474	674,818	\$ 0.76	\$ 510,586	322,910	\$ 1.66	\$ 534,760	\$ 1,045,346



RTSR Workform for Electricity Distributors (2013 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	\$ 0.0069	145,220,158	-	\$ 1,002,019	44.2%	\$ 957,399	\$ 0.0066
General Service Less Than 50 kW	kWh	\$ 0.0063	60,083,400	-	\$ 378,525	16.7%	\$ 361,670	\$ 0.0060
General Service 50 to 4,999 kW	kW	\$ 2.5546	160,134,862	339,114	\$ 866,301	38.2%	\$ 827,724	\$ 2.4408
Unmetered Scattered Load	kWh	\$ 0.0063	475,017	-	\$ 2,993	0.1%	\$ 2,859	\$ 0.0060
Sentinel Lighting	kW	\$ 1.9364	313,766	870	\$ 1,685	0.1%	\$ 1,610	\$ 1.8502
Street Lighting	kW	\$ 1.9267	3,084,838	9,350	\$ 18,015	0.8%	\$ 17,212	\$ 1.8409
Embedded Distributor	kWh	\$ 0.0063	-	-	\$ -	0.0%	\$ -	\$ -
					\$ 2,269,537			



RTSR Workform for Electricity Distributors (2013 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	\$ 0.0036	145,220,158	-	\$ 522,793	45.7%	\$ 478,160	\$ 0.0033
General Service Less Than 50 kW	kWh	\$ 0.0031	60,083,400	-	\$ 186,259	16.3%	\$ 170,357	\$ 0.0028
General Service 50 to 4,999 kW	kW	\$ 1.2460	160,134,862	339,114	\$ 422,536	37.0%	\$ 386,463	\$ 1.1396
Unmetered Scattered Load	kWh	\$ 0.0031	475,017	-	\$ 1,473	0.1%	\$ 1,347	\$ 0.0028
Sentinel Lighting	kW	\$ 0.9833	313,766	870	\$ 855	0.1%	\$ 782	\$ 0.8994
Street Lighting	kW	\$ 0.9632	3,084,838	9,350	\$ 9,006	0.8%	\$ 8,237	\$ 0.8810
Embedded Distributor	kWh	\$ 0.0031	-	-	\$ -	0.0%	\$ -	\$ -
					\$ 1,142,921			



RTSR Workform for Electricity Distributors (2013 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	\$ 0.0066	145,220,158	-	\$ 957,399	44.2%	\$ 957,399	\$ 0.0066
General Service Less Than 50 kW	kWh	\$ 0.0060	60,083,400	-	\$ 361,670	16.7%	\$ 361,670	\$ 0.0060
General Service 50 to 4,999 kW	kW	\$ 2.4408	160,134,862	339,114	\$ 827,724	38.2%	\$ 827,724	\$ 2.4408
Unmetered Scattered Load	kWh	\$ 0.0060	475,017	-	\$ 2,859	0.1%	\$ 2,859	\$ 0.0060
Sentinel Lighting	kW	\$ 1.8502	313,766	870	\$ 1,610	0.1%	\$ 1,610	\$ 1.8502
Street Lighting	kW	\$ 1.8409	3,084,838	9,350	\$ 17,212	0.8%	\$ 17,212	\$ 1.8409
Embedded Distributor	kWh	\$ -	-	-	\$ -	0.0%	\$ -	\$ -
					\$ 2,168,474			



RTSR Workform for Electricity Distributors (2013 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	\$	0.0033	145,220,158	-	\$ 478,160	45.7%	\$ 478,160	\$ 0.0033
General Service Less Than 50 kW	kWh	\$	0.0028	60,083,400	-	\$ 170,357	16.3%	\$ 170,357	\$ 0.0028
General Service 50 to 4,999 kW	kW	\$	1.1396	160,134,862	339,114	\$ 386,463	37.0%	\$ 386,463	\$ 1.1396
Unmetered Scattered Load	kWh	\$	0.0028	475,017	-	\$ 1,347	0.1%	\$ 1,347	\$ 0.0028
Sentinel Lighting	kW	\$	0.8994	313,766	870	\$ 782	0.1%	\$ 782	\$ 0.8994
Street Lighting	kW	\$	0.8810	3,084,838	9,350	\$ 8,237	0.8%	\$ 8,237	\$ 0.8810
Embedded Distributor	kWh	\$	-	-	-	\$ -	0.0%	\$ -	\$ -
						\$ 1,045,346			



RTSR Workform for Electricity Distributors (2013 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 description for the RTSRs has been transferred to Sheet 11, Column A from Sheet 4.

Rate Class	Unit	Proposed RTSR Network		Proposed RTSR Connection	
Residential	kWh	\$	0.0066	\$	0.0033
General Service Less Than 50 kW	kWh	\$	0.0060	\$	0.0028
General Service 50 to 4,999 kW	kW	\$	2.4408	\$	1.1396
Unmetered Scattered Load	kWh	\$	0.0060	\$	0.0028
Sentinel Lighting	kW	\$	1.8502	\$	0.8994
Street Lighting	kW	\$	1.8409	\$	0.8810
Embedded Distributor	kWh	\$	-	\$	-