



Greater Sudbury Hydro Inc
Hydro du Grand Sudbury Inc

empowering communities
le pouvoir aux communautés



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September 30, 2011

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

Re: Greater Sudbury Hydro Inc. – 2012 IRM 3 Application OEB-2011-0169

Dear Ms. Walli,

Please find attached the submission of Greater Sudbury Hydro Inc. for the 2012 Incentive Rate Mechanism 3rd Generation Application. Enclosed are the Manager's Summary and the related IRM 3 Models.

The application was submitted through the Board's web portal and the Excel IRM 3 Models were sent to the Board Secretary on September 30, 2011 via email. Additionally, two hard copies were sent to the Board.

As noted in our application, Greater Sudbury Hydro Inc. has not included documentation for disposition of account 1562 deferred PILs balances. We have requested, under separate letter, an extension on this component of the filing. Once the 1562 documentation is completed we will resubmit the 2012 IRM Rate Generator model including details of rate riders and updated tariff and bill impact information.

Should you require further information or clarification please contact Catherine Huneault, Supervisor - Accounting & Admin, at 1-705-675-7536 extension 2241 or catherineh@shc.com

Respectfully submitted,

Nancy Whissell
VP - Corporate Services

cc: Frank Kallonen, President & CEO - Greater Sudbury Hydro Inc.

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 Greater Sudbury
Hydro 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, 2012

APPLICATION FOR APPROVAL OF 2012 ELECTRICITY

DISTRIBUTION RATES

Greater Sudbury Hydro Inc

EB2011-0169

2012 IRM3

filed: September 30, 2011



MANAGER'S SUMMARY

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Introduction

Greater Sudbury Hydro Inc (GSHI) is a corporation incorporated pursuant to the Ontario Business Corporations Act with its head office in the City of Greater Sudbury. GSHI carries on the business of distributing electricity within parts of the City of Greater Sudbury and West Nipissing.

GSHi hereby applies to the Ontario Energy Board (the "OEB") pursuant to section 78 of the Ontario Energy Board Act, 1998 as amended (the "OEB Act") for approval of its proposed distribution rates and other charges, effective May 1, 2012.

GSHi is applying for an annual rate adjustment under the 3rd Generation Incentive Regulation Mechanism ("IRM3").

GSHi is submitting its 2012 Incentive Rate Mechanism 3rd Generation (IRM3) Application following the Instructions provided in Chapter 3 of the Filing Requirements for Transmission and Distribution Applications ("the Filing Requirements") issued June 22, 2011, the Report of the Board on Electricity Distributors' Deferral and Variance Account Review Initiative ("the EDDVAR Report") issued July 31, 2009 and the Electricity Distribution Retail Transmission Service Rates Guideline G-2008-0001, Revision 3.0, issued June 22, 2011 ("RTSR Guidelines").

GSHi has completed the 2012 IRM Rate Generator Model and supplementary work forms as provided by the OEB including the 2012 IRM Shared Tax Savings Work Form, and the 2012 RTSR Adjustment Work Form. GSHi is not proposing an Incremental Capital rate rider and therefore has not completed the Incremental Capital Module Work Form. GSHi is not submitting the Revenue Cost Ratio Adjustment Work Form as it is not required.

GSHi has prepared its Lost Revenue Adjustment Mechanism ("LRAM") in accordance with the Guidelines for Electricity Distributor Conservation and Demand Management EB-2008-0037 issued March 28, 2008. GSHi is requesting approval of the rate rider as submitted with this application effective for a one-year period, May 1, 2012 to April 30, 2013.

In the *Distribution System Plans - Filing under Deemed Conditions of Licence* EB2009-0397 issue on March 25, 2010, a Distributor may request a Smart Grid Funding Adder for proposed



expenditures in a GEA Plan between Cost-of-Service applications. GSHi has submitted a proposal and is requesting approval for a two-year funding adder effective May 1, 2012 .

Notice of Application

GSHi will publish the Notice of Application, as directed by the OEB, in the Sudbury Star, a paid publication with a circulation of 14,801 customers. In addition, we will also publish the Notice of Application in the local French language newspaper, Le Voyageur, a paid publication. The Notice of Application will also be published in both English and French in the Tribune, a paid publication, which services our West Nipissing customers.

Current Tariff Sheet

A copy of the 2011 Tariff Sheet, as issued by the Board on April 7, 2011, is shown in Appendix A.

Revenue to Cost Ratio Adjustment

GSHi is not submitting a revenue to cost ratio adjustment with this filing. Revenue to cost ratio adjustments were completed in the 2011 IRM filing as directed by the Board.

Price Cap Adjustment

GSHi has filed a price cap adjustment of -.02% based on the default values provided by the Board. GSHi acknowledges that the price escalator, productivity factor and stretch factor will be revised by the Board once updated values become available.

Deferral and Variance Account Rate Rider

The EDDVAR Report detailed that during the IRM plan term, the Group 1 audited account balances will be reviewed and disposed of if the preset disposition threshold of \$0.002/kWh



(debit or credit) is achieved. GSHI has completed the 2012 IRM Deferral and Variance Account Work Form. In GSHI's 2009 COS application, the Board ordered disposition of variances through the end of December 31, 2008 along with interest up to April 30, 2009 on those account balances. As such, for the 2011 IRM3 submission, GSHI completed sheet C1.2 – 2009 transfer of balances to account 1595 and sheet D1.5 – Deferred Variance Continuity 2009. For the 2012 IRM3 submission, GSHI has continued at the same starting point with the balances at 2009. GSHI has not included Account 1595 in this analysis as it is currently being disposed of through approval in the 2009 Cost of Service application EB2008-0230.

The electricity component – global adjustment balance of \$1,346,020 was included in the calculation of the Group 1 Deferral and Variance accounts. The amount to be recovered without including the balances in accounts 1521 and 1562 total \$167,261. The amount to be recovered does not meet the threshold requirement of \$.0002/kwh (debit or credit) as stated in Report on Electricity Distributor's Deferral and Variance account Initiative (EB2008-0046) and, as such, GSHI will not be seeking a rate rider for recovery. See Appendix B for the 2012 EDDVAR Work Form and Special Purpose Charge and Account 1590 Variance reconciliations.

Application for the disposition of the balance of the Special Purpose Charge Account 1521 must be made prior to April 15, 2012. It is our intention to include disposition of this account with the 1562 deferred PiLs account balance. Request for approval will be submitted along with supporting evidence for the 1562 disposition once documentation is finalized.

Low Voltage

GSHI is proposing to retain its existing Low Voltage rate riders as tabled in the 2011 IRM3.

Tax Change Adjustment

As part of the Supplemental Report of the Board on 3rd Generation Incentive Regulation for Ontario's Electricity Distributors (EB-2007-0673), September 17, 2008, the Board determined that there would be a 50/50 sharing of the impact of currently known legislated tax changes. As part of this application, Appendix C shows the tax change savings rate riders which have been calculated in the 2012 IRM3 Tax Savings Work Form and have been inputted on Sheet 14 of the Rate Generator. This amount will be refunded to customers over a twelve month period commencing May 1, 2012 and ending April 30, 2013 via a volumetric rate rider.



LRAM Rate Rider

In accordance with Section 3.4.2 of the Board's updated filing requirements for distribution rate applications, GSHi must file for LRAM recovery for the period 2005 to 2010 in its 2012 IRM3 Application or forego the opportunity to recover its LRAM for this legacy period of CDM activity. GSHi is requesting recovery by way of a rate rider effective May 1, 2012 for a one year period ending April 30, 2013. The rate rider will be applied to those rate classes who were directly affected by the efforts of the conservation programs. The rate rider is based on the kwh and kW volumes from the 2009 Cost of Service Application and updated revenue from the 2011 IRM3 submission B1.3 Calculated Rebased revenue from Rates.

GSHi had previously applied for LRAM recoveries for 2005 to 2007 Third Tranche Conservation and Demand Management (CDM) programs in its 2009 Cost of Service Application. After revisions to the submission GSHi received approval for some funding. This current submission includes an incremental claim for the Third Tranche CDM programs as well as OPA/CDM programs spanning 2007 to 2010. See Appendix D for LRAM supporting evidence.

Smart Grid Rate Adder

GSHi is applying for a Smart Grid rate adder as required under the Deemed Conditions of Licence for a Smart Grid Rate Adder. As required for a funding adder, GSHi feels it is providing sufficient information to the Board to assess the need for the mechanism and the nature and quantum of the costs to be collected from ratepayers along with the basis for calculating the funding adder. GSHi is aware that the costs recovered through a funding adder will be subject to a prudence review in the first cost of service application following the implementation of the funding adder.

GSHi would like to commit to participating in a Renewable Generation project in partnership with S&C Electric. This project would provide technology to support micro grid generation with GSHi hosting a Community Energy Storage facility. The details of the project are included in Appendix E at a capital cost of \$1,098,550. This amount plus maintenance costs for 2 years is requested to be recovered through a 2 year rate adder as included in the proposed Rates Tariff Sheet.

This proposal was tabled with GSHi's Board of Directors at the September 2011 board meeting and was approved based on the terms and conditions in the report.



Adjustment of Retail Transmission Service Rates

In accordance with G-2008-0001, Guideline for Electricity Distribution Retail Transmission Service Rates, Revision 3.0 dated June 22, 2011, GSHI has adjusted RTSRs as reported in the 2012 RTSR Adjustment Work Form (Appendix F). GSHI understands that in the event the Uniform Transmission Rates ("UTR") change effective January 1, 2012, OEB staff will adjust the 2012 RTSR Adjustment Work Form accordingly to reflect the impacts of any changes in the UTR in GSHI's RTSRs.

Additional areas of Note

Smart Metering Rate Adder

In the Board's Decision and Order on GSHI's 2009 Cost of Service Rate Application dated December 1, 2009, the Board stated on pages 32 and 33:

"The Board approved Greater Sudbury's request for a smart meter funding adder of \$1.94 per month per metered customer in accordance with the Board Guideline on Smart Meter Funding and Cost Recovery."

In the 2011 IRM3 GSHI was approved for the current Smart Meter Funding Adder of \$1.94 per month per metered customer which has a sunset date of April 30, 2012. GSHI expects to file for a final prudence review when the project is complete. GSHI is not requesting a smart meter adder with the 2012 IRM3.

Incremental Capital Adjustment

GSHI is not applying for an Incremental Capital Adjustment at this time.



Loss Factors

GSHI is not requesting any changes to the loss factors previously approved by the Board in its 2009 Cost of Service Application.

Specific Service Charges

GSHI is not requesting any changes to the specific service charges previously approved by the Board in its 2009 Cost of Service Application.

Proposed 2012 Tariff of Rates and Charges

A copy of the 2012 Proposed Tariff of Rates and Charges derived from the “2012 OEB IRM3 Rate Generator” file is shown in Appendix G.

Bill Impacts

A copy of the 2012 Proposed Bill Impacts is shown for the Residential and GS<50 kW classes in page 21. Bill Impacts of the 2012 Rate Generator in Appendix H.

Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2011

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

EB-2010-0085

RESIDENTIAL SERVICE CLASSIFICATION

To qualify for residential rates an electrical service shall meet all of the following conditions:

- The electricity shall be intended for and used primarily for a residence in which one or more person(s) reside.
- The electrical service shall be individually metered, no bulk metering allowed.

Residential customers are defined as customers connected as detached, semi-detached or duplex dwelling units. It does not include Residential Rate Class customers in apartments, condominiums, row housing or any other abode that is not a detached, semi-detached or duplex dwelling unit. The definition does not include the installation of primary, transformation and secondary to the hand holes in a new subdivision. All items excluded from the residential rate class definition, as above, shall be treated as general service rate class customers.

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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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 Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

REGULAR and TIME OF USE

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	16.00
Smart Meter Funding Adder – effective until April 30, 2012	\$	1.94
Rate Rider for Recovery of Late Payment Penalty Litigation Costs – effective until April 30, 2012	\$	0.17
Distribution Volumetric Rate	\$/kWh	0.0123
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Tax Change – effective until April 30, 2012	\$/kWh	(0.0004)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0054
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	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Revised April 21, 2011

Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2011

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EB-2010-0085

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

To qualify for general service rates an electrical service shall meet all of the following conditions:

- The electrical service shall not qualify as a Residential Rate Class service.
- The electrical service shall have a peak demand less than 50 kilowatts for seven or more months in any twelve month period.
- New connections will be classified based on the rating, in amperes, of the main switch or sum of main switches.

The General Service Less Than 50 kW Rate Class includes those Residential Rate Class customers that are not in detached, semi-detached or duplex dwelling units. The General Service Rate Class also includes subdivision developments and all General Service Rate Class customers. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	21.36
Smart Meter Funding Adder – effective until April 30, 2012	\$	1.94
Rate Rider for Recovery of Late Payment Penalty Litigation Costs – effective until April 30, 2012	\$	0.53
Distribution Volumetric Rate	\$/kWh	0.0184
Low Voltage Service Rate	\$/kWh	0.0001
Rate Rider for Tax Change – effective until April 30, 2012	\$/kWh	(0.0003)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2011

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

EB-2010-0085

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

To qualify for General Service 50 to 4,999 kW Rates, an electrical service shall meet all of the following conditions:

- The electrical service shall not qualify as a Residential Rate Class service.
- The electrical service shall not qualify for a General Service Less Than 50 kW Rate Class service.
- New customers will be classified based on the rating, in amperes, of the main switch or sum of main switches.

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	\$	163.06
Smart Meter Funding Adder – effective until April 30, 2012	\$	1.94
Rate Rider for Recovery of Late Payment Penalty Litigation Costs – effective until April 30, 2012	\$	5.87
Distribution Volumetric Rate	\$/kW	4.2336
Low Voltage Service Rate	\$/kW	0.0937
Rate Rider for Tax Change – effective until April 30, 2012	\$/kW	(0.0629)
Retail Transmission Rate – Network Service Rate	\$/kW	2.9980
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.9922

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2011

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EB-2010-0085

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account 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

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	7.98
Rate Rider for Recovery of Late Payment Penalty Litigation Costs – effective until April 30, 2012	\$	0.26
Distribution Volumetric Rate	\$/kWh	0.0122
Low Voltage Service Rate	\$/kWh	0.0001
Rate Rider for Tax Change – effective until April 30, 2012	\$/kWh	(0.0003)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2011

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EB-2010-0085

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	3.68
Rate Rider for Recovery of Late Payment Penalty Litigation Costs – effective until April 30, 2012	\$	0.02
Distribution Volumetric Rate	\$/kW	11.7670
Low Voltage Service Rate	\$/kW	0.0503
Rate Rider for Tax Change – effective until April 30, 2012	\$/kW	(0.2937)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6112
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0705

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2011

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EB-2010-0085

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.

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	3.69
Distribution Volumetric Rate	\$/kW	10.7227
Low Voltage Service Rate	\$/kW	0.0475
Rate Rider for Tax Change – effective until April 30, 2012	\$/kW	(0.3374)
Retail Transmission Rate – Network Service Rate	\$/kW	1.5220
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0112

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2011

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EB-2010-0083

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

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Customer Administration		
Arrears certificate	\$	15.00
Statement of account	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	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
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35

Greater Sudbury Hydro Inc. TARIFF OF RATES AND CHARGES Effective and Implementation Date May 1, 2011

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EB-2010-0083

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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	1.0527
Total Loss Factor – Secondary Metered Customer > 5,000 kW	N/A
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0422
Total Loss Factor – Primary Metered Customer > 5,000 kW	N/A

		Ontario Energy Board
		Deferral / Variance Account Work Form
Choose Your Utility:		
<div>Fort Frances Power Corporation</div> <div>Greater Sudbury Hydro Inc.</div> <div>Grimsby Power Inc.</div>		
File Number:		Rate Year:
EB-2011-0169		2012

Application Contact Information

Name:

Title:

Phone Number:

Email Address:

General Notes

1. Please ensure that your macros have been enabled. (Tools -> Macro -> Security)
2. Due to the time lag of deferral/variance account dispositions, this model assumes that all opening balances include previously disposed of amounts. Accordingly, all "Board Approved Dispositions" are deducted from the opening balance.
3. Please provide information in this model since the last time your balances were disposed.
4. 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.

Copyright

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of preparing your rate 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 or reviewing your draft rate order, you must ensure that the person



		2005				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-05	Transactions Debit/ (Credit) during 2005 excluding interest and adjustments ⁶	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Principal Balance as of Dec-31-05
Group 1 Accounts						
LV Variance Account	1550					\$ -
RSVA - Wholesale Market Service Charge	1580					\$ -
RSVA - Retail Transmission Network Charge	1584					\$ -
RSVA - Retail Transmission Connection Charge	1586					\$ -
RSVA - Power (excluding Global Adjustment)	1588					\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588					\$ -
Recovery of Regulatory Asset Balances	1590					\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595					\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595					\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

		2005				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-05	Transactions Debit/(Credit) during 2005 excluding interest and adjustments ⁶	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Principal Balance as of Dec-31-05
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508					\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508					\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508					\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508					\$ -
Retail Cost Variance Account - Retail	1518					\$ -
Misc. Deferred Debits	1525					\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548					\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555					\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555					\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555					\$ -
Smart Meter OM&A Variance	1556					\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565					\$ -
CDM Contra	1566					\$ -
Qualifying Transition Costs ⁵	1570					\$ -
Pre-market Opening Energy Variance ⁵	1571					\$ -
Extra-Ordinary Event Costs	1572					\$ -
Deferred Rate Impact Amounts	1574					\$ -
RSVA - One-time	1582					\$ -
Other Deferred Credits	2425					\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562					\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592					\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592					\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

		2005				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-05	Transactions Debit/ (Credit) during 2005 excluding interest and adjustments ⁶	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Principal Balance as of Dec-31-05
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563					\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592					\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595					\$ -

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 Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board

² Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs write-off, etc.

^{2A} Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the 2006 EDR and account 1595 during the 2008 EDR and subsequent years as ordered by the Board.

³ 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.

⁴ Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 and 29.

⁵ Closed April 30, 2002

⁶ For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

⁷ Please describe "other" components of 1508 and add more component lines if necessary.

⁸ 1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the obligation to the ratepayer.

⁹ If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 11 on the December 31, 2010 balance. The projected interested is recorded from May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board in the 2011 rate decision.

¹⁰ Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has been completed, and the audited financial statements support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include the balances in Account 1595 on a memo basis only (line 82).



Deferra

Greater Sudbury Hydro Inc.

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-05	Interest Jan-1 to Dec-31-05	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Interest Amounts as of Dec-31-05
Group 1 Accounts						
LV Variance Account	1550					\$ -
RSVA - Wholesale Market Service Charge	1580					\$ -
RSVA - Retail Transmission Network Charge	1584					\$ -
RSVA - Retail Transmission Connection Charge	1586					\$ -
RSVA - Power (excluding Global Adjustment)	1588					\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588					\$ -
Recovery of Regulatory Asset Balances	1590					\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595					\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595					\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-05	Interest Jan-1 to Dec-31-05	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Interest Amounts as of Dec-31-05
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508					\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508					\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508					\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508					\$ -
Retail Cost Variance Account - Retail	1518					\$ -
Misc. Deferred Debits	1525					\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548					\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555					\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555					\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555					\$ -
Smart Meter OM&A Variance	1556					\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565					\$ -
CDM Contra	1566					\$ -
Qualifying Transition Costs ⁵	1570					\$ -
Pre-market Opening Energy Variance ⁶	1571					\$ -
Extra-Ordinary Event Costs	1572					\$ -
Deferred Rate Impact Amounts	1574					\$ -
RSVA - One-time	1582					\$ -
Other Deferred Credits	2425					\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562					\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592					\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592					\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-05	Interest Jan-1 to Dec-31-05	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Interest Amounts as of Dec-31-05
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563					\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -	1592					\$ -
Sub-Account HST/OVAT Contra Account						\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595					\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Greater Sudbury Hydro Inc.

		2006				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-06	Transactions Debit/ (Credit) during 2006 excluding interest and adjustments ⁶	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Principal Balance as of Dec-31-06
Group 1 Accounts						
LV Variance Account	1550	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

		2006				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-06	Transactions Debit / (Credit) during 2006 excluding interest and adjustments ⁶	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Principal Balance as of Dec-31-06
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -				\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁵	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

		2006				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-06	Transactions Debit / (Credit) during 2006 excluding interest and adjustments ⁶	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Principal Balance as of Dec-31-06
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -	1592					
Sub-Account HST/OVAT Contra Account		\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were incurred. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



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Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-06	Interest Jan-1 to Dec-31-06	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Interest Amounts as of Dec-31-06
Group 1 Accounts						
LV Variance Account	1550	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-06	Interest Jan-1 to Dec-31-06	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Interest Amounts as of Dec-31-06
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531	\$ -				\$ -
Renewable Generation Connection OM&A Deferral Account	1532	\$ -				\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533	\$ -				\$ -
Smart Grid Capital Deferral Account	1534	\$ -				\$ -
Smart Grid OM&A Deferral Account	1535	\$ -				\$ -
Smart Grid Funding Adder Deferral Account	1536	\$ -				\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -				\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁶	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-06	Interest Jan-1 to Dec-31-06	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Interest Amounts as of Dec-31-06
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -						
Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Greater Sudbury Hydro Inc.

Deferra

		2007				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-07	Transactions Debit/ (Credit) during 2007 excluding interest and adjustments ⁶	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	Closing Principal Balance as of Dec-31-07
Group 1 Accounts						
LV Variance Account	1550	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

		2007				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-07	Transactions Debit/ (Credit) during 2007 excluding interest and adjustments ⁶	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	Closing Principal Balance as of Dec-31-07
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -				\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁵	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

		2007				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-07	Transactions Debit/ (Credit) during 2007 excluding interest and adjustments ⁶	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	Closing Principal Balance as of Dec-31-07
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -	1592					
Sub-Account HST/OVAT Contra Account		\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board
Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs v
Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of th
Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved di
Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 i
Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transe
Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the ot
If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 o
the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 201
May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Br
Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period ha
support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, inclu



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Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-07	Interest Jan-1 to Dec-31-07	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	Closing Interest Amounts as of Dec-31-07
Group 1 Accounts						
LV Variance Account	1550	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-07	Interest Jan-1 to Dec-31-07	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	Closing Interest Amounts as of Dec-31-07
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -				\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁶	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-07	Interest Jan-1 to Dec-31-07	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	Closing Interest Amounts as of Dec-31-07
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -	1592					
Sub-Account HST/OVAT Contra Account		\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the offset for the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Greater Sudbury Hydro Inc.

		2008				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-08	Transactions Debit/ (Credit) during 2008 excluding interest and adjustments ⁶	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	Closing Principal Balance as of Dec-31-08
Group 1 Accounts						
LV Variance Account	1550	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

		2008				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-08	Transactions Debit/ (Credit) during 2008 excluding interest and adjustments ⁶	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	Closing Principal Balance as of Dec-31-08
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -				\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁵	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

		2008				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-08	Transactions Debit/ (Credit) during 2008 excluding interest and adjustments ⁶	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	Closing Principal Balance as of Dec-31-08
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -						
Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were allocated to the account. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



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Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-08	Interest Jan-1 to Dec-31-08	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	Closing Interest Amounts as of Dec-31-08
Group 1 Accounts						
LV Variance Account	1550	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-08	Interest Jan-1 to Dec-31-08	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	Closing Interest Amounts as of Dec-31-08
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535					\$ -
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -				\$ -
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁶	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521					

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-08	Interest Jan-1 to Dec-31-08	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	Closing Interest Amounts as of Dec-31-08
Total including Account 1521 ¹		\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



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Greater Sudbury Hydro Inc.

		2009				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions Debit/ (Credit) during 2009 excluding interest and adjustments ⁶	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	Closing Principal Balance as of Dec-31-09
Group 1 Accounts						
LV Variance Account	1550	\$ -	\$ 33,803			\$ 33,803
RSVA - Wholesale Market Service Charge	1580	\$ -	-\$ 569,587		\$ -	-\$ 569,587
RSVA - Retail Transmission Network Charge	1584	\$ -	\$ 136,182			\$ 136,182
RSVA - Retail Transmission Connection Charge	1586	\$ -	\$ 42,059		\$ -	\$ 42,059
RSVA - Power (excluding Global Adjustment)	1588	\$ -	-\$ 66,361		\$ -	-\$ 66,361
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ 1,052,065			\$ 1,052,065
Recovery of Regulatory Asset Balances	1590	\$ -	-\$ 96,314			-\$ 96,314
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ 531,847	\$ -	\$ -	\$ 531,847
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	-\$ 520,218	\$ -	\$ -	-\$ 520,218
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ 1,052,065	\$ -	\$ -	\$ 1,052,065

		2009				
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions Debit/ (Credit) during 2009 excluding interest and adjustments ⁶	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	Closing Principal Balance as of Dec-31-09
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -	\$ 475			\$ 475
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508		\$ 2,328			\$ 2,328
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531					\$ -
Renewable Generation Connection OM&A Deferral Account	1532					\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533					\$ -
Smart Grid Capital Deferral Account	1534					\$ -
Smart Grid OM&A Deferral Account	1535		\$ 20,963			\$ 20,963
Smart Grid Funding Adder Deferral Account	1536					\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -	-\$ 518,527			-\$ 518,527
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -	\$ 250,417			\$ 250,417
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -	-\$ 74,312			-\$ 74,312
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁵	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -	-\$ 440,712			-\$ 440,712
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	-\$ 759,368	\$ -	\$ -	-\$ 759,368
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	-\$ 227,521	\$ -	\$ -	-\$ 227,521
Special Purpose Charge Assessment Variance Account	1521					

		2009					
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions Debit/ (Credit) during 2009 excluding interest and adjustments ⁶	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	Closing Principal Balance as of Dec-31-09	
Total including Account 1521 ¹		\$ -	-\$ 227,521	\$ -	\$ -	-\$ 227,521	
The following is not included in the total claim but are included on a memo basis:							
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -	
Board-Approved CDM Variance Account	1567						
PILs and Tax Variance for 2006 and Subsequent Years -	1592						
Sub-Account HST/OVAT Contra Account		\$ -				\$ -	
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -	

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



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Greater Sudbury Hydro Inc.

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	Closing Interest Amounts as of Dec-31-09
Group 1 Accounts						
LV Variance Account	1550	\$ -	\$ 544		\$ -	\$ 544
RSVA - Wholesale Market Service Charge	1580	\$ -	-\$ 9,253			-\$ 9,253
RSVA - Retail Transmission Network Charge	1584	\$ -	-\$ 1,078			-\$ 1,078
RSVA - Retail Transmission Connection Charge	1586	\$ -	\$ 621			\$ 621
RSVA - Power (excluding Global Adjustment)	1588	\$ -	-\$ 853			-\$ 853
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	-\$ 6,904			-\$ 6,904
Recovery of Regulatory Asset Balances	1590	\$ -	-\$ 1,675			-\$ 1,675
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	-\$ 18,598	\$ -	\$ -	-\$ 18,598
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	-\$ 11,694	\$ -	\$ -	-\$ 11,694
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	-\$ 6,904	\$ -	\$ -	-\$ 6,904

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	Closing Interest Amounts as of Dec-31-09
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ -	\$ 363			\$ 363
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ -				\$ -
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				\$ -
Retail Cost Variance Account - Retail	1518	\$ -				\$ -
Misc. Deferred Debits	1525	\$ -				\$ -
Renewable Generation Connection Capital Deferral Account	1531	\$ -				\$ -
Renewable Generation Connection OM&A Deferral Account	1532	\$ -				\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533	\$ -				\$ -
Smart Grid Capital Deferral Account	1534	\$ -				\$ -
Smart Grid OM&A Deferral Account	1535	\$ -	\$ 7			\$ 7
Smart Grid Funding Adder Deferral Account	1536	\$ -				\$ -
Retail Cost Variance Account - STR	1548	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -				\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ -	-\$ 23,478			-\$ 23,478
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				\$ -
Smart Meter OM&A Variance	1556	\$ -	\$ 8,189			\$ 8,189
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -				\$ -
CDM Contra	1566	\$ -				\$ -
Qualifying Transition Costs ⁵	1570	\$ -				\$ -
Pre-market Opening Energy Variance ⁶	1571	\$ -				\$ -
Extra-Ordinary Event Costs	1572	\$ -				\$ -
Deferred Rate Impact Amounts	1574	\$ -				\$ -
RSVA - One-time	1582	\$ -				\$ -
Other Deferred Credits	2425	\$ -				\$ -
Group 2 Sub-Total		\$ -	-\$ 14,919	\$ -	\$ -	-\$ 14,919
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -				\$ -
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	-\$ 33,517	\$ -	\$ -	-\$ 33,517
Special Purpose Charge Assessment Variance Account	1521					

Account Descriptions	Account Number	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	Closing Interest Amounts as of Dec-31-09
Total including Account 1521 ¹		\$ -	-\$ 33,517	\$ -	\$ -	-\$ 33,517
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				\$ -
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years -	1592					
Sub-Account HST/OVAT Contra Account		\$ -				\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit or debit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Greater Sudbury Hydro Inc.

Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-10	Transactions Debit/ (Credit) during 2010 excluding interest and adjustments ⁶	Board-Approved Disposition during 2010	Other ³ Adjustments during Q1 2010	Other ³ Adjustments during Q2 2010
Group 1 Accounts						
LV Variance Account	1550	\$ 33,803	-\$ 34,065			
RSVA - Wholesale Market Service Charge	1580	-\$ 569,587	-\$ 1,155,719			
RSVA - Retail Transmission Network Charge	1584	\$ 136,182	\$ 408,212			
RSVA - Retail Transmission Connection Charge	1586	\$ 42,059	-\$ 30,753			
RSVA - Power (excluding Global Adjustment)	1588	-\$ 66,361	\$ 192,891			
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 1,052,065	\$ 279,903			
Recovery of Regulatory Asset Balances	1590	-\$ 96,314	-\$ 11,429			
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -				
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -				
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ 531,847	-\$ 350,961	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		-\$ 520,218	-\$ 630,863	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 1,052,065	\$ 279,903	\$ -	\$ -	\$ -

Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-10	Transactions Debit/ (Credit) during 2010 excluding interest and adjustments ⁶	Board-Approved Disposition during 2010	Other ³ Adjustments during Q1 2010	Other ³ Adjustments during Q2 2010
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -				
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -				
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 475				
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ 2,328	\$ 41,343			
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -				
Retail Cost Variance Account - Retail	1518	\$ -				
Misc. Deferred Debits	1525	\$ -				
Renewable Generation Connection Capital Deferral Account	1531	\$ -				
Renewable Generation Connection OM&A Deferral Account	1532	\$ -				
Renewable Generation Connection Funding Adder Deferral Account	1533	\$ -				
Smart Grid Capital Deferral Account	1534	\$ -				
Smart Grid OM&A Deferral Account	1535	\$ 20,963	\$ 17,331			
Smart Grid Funding Adder Deferral Account	1536	\$ -				
Retail Cost Variance Account - STR	1548	\$ -				
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -	\$ 6,014,205			
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	\$ 518,527	\$ 1,014,159			
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -				
Smart Meter OM&A Variance	1556	\$ 250,417	\$ 236,313			
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ 74,312	\$ 11,229			
CDM Contra	1566	\$ -				
Qualifying Transition Costs ⁵	1570	\$ -				
Pre-market Opening Energy Variance ⁵	1571	\$ -				
Extra-Ordinary Event Costs	1572	\$ -				
Deferred Rate Impact Amounts	1574	\$ 440,712	\$ 881,424			
RSVA - One-time	1582	\$ -				
Other Deferred Credits	2425	\$ -				
Group 2 Sub-Total		\$ 759,368	\$ 4,424,837	\$ -	\$ -	\$ -
Deferred Payments in Lieu of Taxes	1562	\$ -				
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -				
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -	\$ 55,681			
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ 227,521	\$ 4,073,876	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521	\$ 378,888	\$ 232,810			

Account Descriptions	Account Number					
		Opening Principal Amounts as of Jan-1-10	Transactions Debit/ (Credit) during 2010 excluding interest and adjustments ⁶	Board-Approved Disposition during 2010	Other ³ Adjustments during Q1 2010	Other ³ Adjustments during Q2 2010
Total including Account 1521 ¹		\$ 151,367	\$ 3,841,067	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563	\$ -				
Board-Approved CDM Variance Account	1567					
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -				
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -				

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs v Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of th Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved di Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transe Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the ot If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 o the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 201 May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Br Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period ha support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, inclu



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2010

Account Descriptions	Account Number	Other ³ Adjustments during Q3 2010	Other ³ Adjustments during Q4 2010	Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10
Group 1 Accounts						
LV Variance Account	1550			-\$ 262	\$ 544	\$ 12
RSVA - Wholesale Market Service Charge	1580			-\$ 1,725,306	-\$ 9,253	-\$ 9,060
RSVA - Retail Transmission Network Charge	1584			\$ 544,394	-\$ 1,078	\$ 2,638
RSVA - Retail Transmission Connection Charge	1586			\$ 11,306	\$ 621	-\$ 734
RSVA - Power (excluding Global Adjustment)	1588			\$ 126,530	-\$ 853	\$ 14,549
RSVA - Power - Sub-Account - Global Adjustment	1588			\$ 1,331,968	-\$ 6,904	-\$ 5,150
Recovery of Regulatory Asset Balances	1590			-\$ 107,743	-\$ 1,675	-\$ 827
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595			\$ -	\$ -	
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595			\$ -	\$ -	
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ 180,886	-\$ 18,598	\$ 1,428
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	-\$ 1,151,081	-\$ 11,694	\$ 6,578
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ 1,331,968	-\$ 6,904	-\$ 5,150

2010

Account Descriptions	Account Number	Other ³ Adjustments during Q3 2010	Other ³ Adjustments during Q4 2010	Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10
Group 2 Accounts						
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508			\$ -	\$ -	
Other Regulatory Assets - Sub-Account - Pension Contributions	1508			\$ -	\$ -	
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508			\$ 475	\$ 363	
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508			\$ 43,671	\$ -	\$ 156
Other Regulatory Assets - Sub-Account - Other ⁷	1508			\$ -	\$ -	
Retail Cost Variance Account - Retail	1518			\$ -	\$ -	
Misc. Deferred Debits	1525			\$ -	\$ -	
Renewable Generation Connection Capital Deferral Account	1531			\$ -	\$ -	
Renewable Generation Connection OM&A Deferral Account	1532			\$ -	\$ -	
Renewable Generation Connection Funding Adder Deferral Account	1533			\$ -	\$ -	
Smart Grid Capital Deferral Account	1534			\$ -	\$ -	
Smart Grid OM&A Deferral Account	1535			\$ 38,293	\$ 7	\$ 153
Smart Grid Funding Adder Deferral Account	1536			\$ -	\$ -	
Retail Cost Variance Account - STR	1548			\$ -	\$ -	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555			\$ 6,014,205	\$ -	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555			\$ 1,532,686	\$ 23,478	\$ 22,416
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555			\$ -	\$ -	
Smart Meter OM&A Variance	1556			\$ 486,730	\$ 8,189	\$ 2,558
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565			\$ 63,083	\$ -	
CDM Contra	1566			\$ -	\$ -	
Qualifying Transition Costs ⁵	1570			\$ -	\$ -	
Pre-market Opening Energy Variance ⁶	1571			\$ -	\$ -	
Extra-Ordinary Event Costs	1572			\$ -	\$ -	
Deferred Rate Impact Amounts	1574			\$ 1,322,136	\$ -	\$ 7,267
RSVA - One-time	1582			\$ -	\$ -	
Other Deferred Credits	2425			\$ -	\$ -	
Group 2 Sub-Total		\$ -	\$ -	\$ 3,665,470	\$ 14,919	\$ 18,016
Deferred Payments in Lieu of Taxes	1562			\$ -	\$ -	
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592			\$ -	\$ -	
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592			\$ 55,681	\$ -	
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ 3,846,356	\$ 33,517	\$ 19,444
Special Purpose Charge Assessment Variance Account	1521		\$ 138,090	\$ 7,988	\$ -	\$ 1,718

2010

Account Descriptions	Account Number	Other ³ Adjustments during Q3 2010	Other ³ Adjustments during Q4 2010	Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10
Total including Account 1521 ¹		\$ -	-\$ 138,090	\$ 3,854,344	-\$ 33,517	\$ 21,162
The following is not included in the total claim but are included on a memo basis:						
Deferred PILs Contra Account ⁸	1563			\$ -	\$ -	
Board-Approved CDM Variance Account	1567			\$ -	\$ -	
PILs and Tax Variance for 2006 and Subsequent Years -	1592			\$ -	\$ -	
Sub-Account HST/OVAT Contra Account						
Disposition and Recovery of Regulatory Balances ¹⁰	1595			\$ -	\$ -	

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were adjusted. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate year. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed. support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



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					2011		
Account Descriptions	Account Number	Board-Approved Disposition during 2010	Adjustments during 2010 - other ³	Closing Interest Amounts as of Dec-31-10	Principal Disposition during 2011 - instructed by Board	Interest Disposition during 2011 - instructed by Board	Closing Principal Balances as of Dec 31-10 Adjusted for Dispositions during 2011
Group 1 Accounts							
LV Variance Account	1550			\$ 556			-\$ 262
RSVA - Wholesale Market Service Charge	1580			-\$ 18,313			-\$ 1,725,306
RSVA - Retail Transmission Network Charge	1584			\$ 1,560			\$ 544,394
RSVA - Retail Transmission Connection Charge	1586			-\$ 113			\$ 11,306
RSVA - Power (excluding Global Adjustment)	1588			\$ 13,696			\$ 126,530
RSVA - Power - Sub-Account - Global Adjustment	1588			-\$ 12,054			\$ 1,331,968
Recovery of Regulatory Asset Balances	1590			-\$ 2,502			-\$ 107,743
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595			\$ -			\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595			\$ -			\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	-\$ 17,170	\$ -	\$ -	\$ 180,886
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	-\$ 5,116	\$ -	\$ -	-\$ 1,151,081
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	-\$ 12,054	\$ -	\$ -	\$ 1,331,968

				2011			
Account Descriptions	Account Number	Board-Approved Disposition during 2010	Adjustments during 2010 - other ³	Closing Interest Amounts as of Dec-31-10	Principal Disposition during 2011 - instructed by Board	Interest Disposition during 2011 - instructed by Board	Closing Principal Balances as of Dec 31-10 Adjusted for Dispositions during 2011
Group 2 Accounts							
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508			\$ -			\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508			\$ -			\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508			\$ 363			\$ 475
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508			\$ 156			\$ 43,671
Other Regulatory Assets - Sub-Account - Other ⁷	1508			\$ -			\$ -
Retail Cost Variance Account - Retail	1518			\$ -			\$ -
Misc. Deferred Debits	1525			\$ -			\$ -
Renewable Generation Connection Capital Deferral Account	1531			\$ -			
Renewable Generation Connection OM&A Deferral Account	1532			\$ -			
Renewable Generation Connection Funding Adder Deferral Account	1533			\$ -			
Smart Grid Capital Deferral Account	1534			\$ -			
Smart Grid OM&A Deferral Account	1535			\$ 160			
Smart Grid Funding Adder Deferral Account	1536			\$ -			
Retail Cost Variance Account - STR	1548			\$ -			\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555			\$ -			\$ 6,014,205
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555			\$ 1,062			\$ 1,532,686
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555			\$ -			\$ -
Smart Meter OM&A Variance	1556			\$ 10,748			\$ 486,730
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565			\$ -			\$ 63,083
CDM Contra	1566			\$ -			\$ -
Qualifying Transition Costs ⁵	1570			\$ -			\$ -
Pre-market Opening Energy Variance ⁶	1571			\$ -			\$ -
Extra-Ordinary Event Costs	1572			\$ -			\$ -
Deferred Rate Impact Amounts	1574			\$ 7,267			\$ 1,322,136
RSVA - One-time	1582			\$ -			\$ -
Other Deferred Credits	2425			\$ -			\$ -
Group 2 Sub-Total		\$ -	\$ -	\$ 3,097	\$ -	\$ -	\$ 3,627,176
Deferred Payments in Lieu of Taxes	1562			\$ -			\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592			\$ -			\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592			\$ -			\$ 55,681
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ -	\$ -	\$ 14,073	\$ -	\$ -	\$ 3,808,062
Special Purpose Charge Assessment Variance Account	1521			\$ 1,718			

					2011		
Account Descriptions	Account Number	Board-Approved Disposition during 2010	Adjustments during 2010 - other ³	Closing Interest Amounts as of Dec-31-10	Principal Disposition during 2011 - instructed by Board	Interest Disposition during 2011 - instructed by Board	Closing Principal Balances as of Dec 31-10 Adjusted for Dispositions during 2011
Total including Account 1521 ¹		\$ -	\$ -	-\$ 12,355	\$ -	\$ -	\$ 3,808,062
The following is not included in the total claim but are included on a memo basis:							
Deferred PILs Contra Account ⁸	1563			\$ -			
Board-Approved CDM Variance Account	1567			\$ -			
PILs and Tax Variance for 2006 and Subsequent Years -	1592						
Sub-Account HST/OVAT Contra Account				\$ -			
Disposition and Recovery of Regulatory Balances ¹⁰	1595			\$ -			

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the other components of the 2011 rate decision. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Account Descriptions	Account Number	Closing Interest Balances as of Dec 31-10 Adjusted during 2011 Disposition
Group 1 Accounts		
LV Variance Account	1550	\$ 556
RSVA - Wholesale Market Service Charge	1580	-\$ 18,313
RSVA - Retail Transmission Network Charge	1584	\$ 1,560
RSVA - Retail Transmission Connection Charge	1586	-\$ 113
RSVA - Power (excluding Global Adjustment)	1588	\$ 13,696
RSVA - Power - Sub-Account - Global Adjustment	1588	-\$ 12,054
Recovery of Regulatory Asset Balances	1590	-\$ 2,502
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		-\$ 17,170
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		-\$ 5,116
RSVA - Power - Sub-Account - Global Adjustment	1588	-\$ 12,054

Account Descriptions	Account Number	Closing Interest Balances as of Dec 31-10 Adjusted during 2011 Disposition
Group 2 Accounts		
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 363
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ 156
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -
Retail Cost Variance Account - Retail	1518	\$ -
Misc. Deferred Debits	1525	\$ -
Renewable Generation Connection Capital Deferral Account	1531	
Renewable Generation Connection OM&A Deferral Account	1532	
Renewable Generation Connection Funding Adder Deferral Account	1533	
Smart Grid Capital Deferral Account	1534	
Smart Grid OM&A Deferral Account	1535	
Smart Grid Funding Adder Deferral Account	1536	
Retail Cost Variance Account - STR	1548	\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	-\$ 1,062
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -
Smart Meter OM&A Variance	1556	\$ 10,748
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ -
CDM Contra	1566	\$ -
Qualifying Transition Costs ⁵	1570	\$ -
Pre-market Opening Energy Variance ⁶	1571	\$ -
Extra-Ordinary Event Costs	1572	\$ -
Deferred Rate Impact Amounts	1574	-\$ 7,267
RSVA - One-time	1582	\$ -
Other Deferred Credits	2425	\$ -
Group 2 Sub-Total		\$ 2,937
Deferred Payments in Lieu of Taxes	1562	\$ -
PILs and Tax Variance for 2006 and Subsequent Years	1592	\$ -
(excludes sub-account and contra account below)		
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT	1592	\$ -
Input Tax Credits (ITCs)		
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		-\$ 14,233
Special Purpose Charge Assessment Variance Account	1521	

Account Descriptions		Account Number	Closing Interest Balances as of Dec 31-10 Adjusted during 2011 Disposition
Total including Account 1521 ¹			-\$ 14,233
The following is not included in the total claim but are included on a memo basis:			
Deferred PILs Contra Account ⁸		1563	
Board-Approved CDM Variance Account		1567	
PILs and Tax Variance for 2006 and Subsequent Years -		1592	
Sub-Account HST/OVAT Contra Account			
Disposition and Recovery of Regulatory Balances ¹⁰		1595	

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs were approved. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a credit. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the offset for the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



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Greater Sudbury Hydro Inc.

		Projected Interest on Dec-31-10 Balances			
Account Descriptions	Account Number	Projected Interest from Jan 1, 2011 to December 31, 2011 on Dec 31 -10 balance adjusted for disposition during 2011 ⁹	Projected Interest from January 1, 2012 to April 30, 2012 on Dec 31 -10 balance adjusted for disposition during 2011 ^{9, 10}	Total Claim	
Group 1 Accounts					
LV Variance Account	1550	-\$ 1	-\$ 4	\$	288
RSVA - Wholesale Market Service Charge	1580	-\$ 8,454	-\$ 25,362	-\$	1,777,435
RSVA - Retail Transmission Network Charge	1584	\$ 2,668	\$ 8,003	\$	556,624
RSVA - Retail Transmission Connection Charge	1586	\$ 55	\$ 166	\$	11,414
RSVA - Power (excluding Global Adjustment)	1588	\$ 620	\$ 1,860	\$	142,706
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 6,527	\$ 19,580	\$	1,346,020
Recovery of Regulatory Asset Balances	1590	-\$ 528	-\$ 1,584	-\$	112,356
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595	\$ -	\$ -	\$	-
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -	\$ -	\$	-
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ 886	\$ 2,659	\$	167,261
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		-\$ 5,640	-\$ 16,921	-\$	1,178,759
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 6,527	\$ 19,580	\$	1,346,020

		Projected Interest on Dec-31-10 Balances			
Account Descriptions	Account Number	Projected Interest from Jan 1, 2011 to December 31, 2011 on Dec 31 -10 balance adjusted for disposition during 2011 ⁹	Projected Interest from January 1, 2012 to April 30, 2012 on Dec 31 -10 balance adjusted for disposition during 2011 ^{9, 10}	Total Claim	
Group 2 Accounts					
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$ -	\$ -	\$	-
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$ -	\$ -	\$	-
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 2	\$ 7	\$	847
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ 214	\$ 642	\$	44,682
Other Regulatory Assets - Sub-Account - Other ⁷	1508	\$ -	\$ -	\$	-
Retail Cost Variance Account - Retail	1518	\$ -	\$ -	\$	-
Misc. Deferred Debits	1525	\$ -	\$ -	\$	-
Renewable Generation Connection Capital Deferral Account	1531	\$ -	\$ -	\$	-
Renewable Generation Connection OM&A Deferral Account	1532	\$ -	\$ -	\$	-
Renewable Generation Connection Funding Adder Deferral Account	1533	\$ -	\$ -	\$	-
Smart Grid Capital Deferral Account	1534	\$ -	\$ -	\$	-
Smart Grid OM&A Deferral Account	1535	\$ -	\$ -	\$	38,453
Smart Grid Funding Adder Deferral Account	1536	\$ -	\$ -	\$	-
Retail Cost Variance Account - STR	1548	\$ -	\$ -	\$	-
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ 29,470	\$ 88,409	\$	6,132,083
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	-\$ 7,510	-\$ 22,530	-\$	1,563,788
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555	\$ -	\$ -	\$	-
Smart Meter OM&A Variance	1556	\$ 2,385	\$ 7,155	\$	507,018
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	-\$ 309	-\$ 927	-\$	64,319
CDM Contra	1566	\$ -	\$ -	\$	-
Qualifying Transition Costs ⁵	1570	\$ -	\$ -	\$	-
Pre-market Opening Energy Variance ⁵	1571	\$ -	\$ -	\$	-
Extra-Ordinary Event Costs	1572	\$ -	\$ -	\$	-
Deferred Rate Impact Amounts	1574	-\$ 6,478	-\$ 19,435	-\$	1,355,317
RSVA - One-time	1582	\$ -	\$ -	\$	-
Other Deferred Credits	2425	\$ -	\$ -	\$	-
Group 2 Sub-Total		\$ 17,773	\$ 53,319	\$	3,739,659
Deferred Payments in Lieu of Taxes	1562	\$ -	\$ -	\$	-
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -	\$ -	\$	-
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ 273	\$ 819	\$	56,773
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ 18,660	\$ 55,979	\$	3,963,693
Special Purpose Charge Assessment Variance Account	1521	\$ 39	\$ 117	\$	9,863

		Projected Interest on Dec-31-10 Balances			
Account Descriptions	Account Number	Projected Interest from Jan 1, 2011 to December 31, 2011 on Dec 31 -10 balance adjusted for disposition during 2011 ⁹	Projected Interest from January 1, 2012 to April 30, 2012 on Dec 31 -10 balance adjusted for disposition during 2011 ^{9, 10}	Total Claim	
Total including Account 1521 ¹		\$ 18,699	\$ 56,096	\$	3,973,556
The following is not included in the total claim but are included on a memo basis:					
Deferred PILs Contra Account ⁸	1563	\$ -	\$ -	\$	-
Board-Approved CDM Variance Account	1567	\$ -	\$ -	\$	-
PILs and Tax Variance for 2006 and Subsequent Years -					
Sub-Account HST/OVAT Contra Account	1592	\$ -	\$ -	\$	-
Disposition and Recovery of Regulatory Balances ¹⁰	1595	\$ -	\$ -	\$	-

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs v Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of th Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved di Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transe Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the ot If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 o the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 201 May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Br Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period ha support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, inclu



		2.1.7 RRR	
Account Descriptions	Account Number	As of Dec 31-10 ⁴	Variance RRR vs. 2010 Balance (Principal + Interest)
Group 1 Accounts			
LV Variance Account	1550	\$ 293	-\$ 0
RSVA - Wholesale Market Service Charge	1580	-\$ 1,743,619	-\$ 0
RSVA - Retail Transmission Network Charge	1584	\$ 545,955	\$ 1
RSVA - Retail Transmission Connection Charge	1586	\$ 11,193	\$ 0
RSVA - Power (excluding Global Adjustment)	1588	\$ 140,226	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 1,319,914	\$ 0
Recovery of Regulatory Asset Balances	1590	-\$ 1,180,950	-\$ 1,070,706
Disposition and Recovery of Regulatory Balances (2008) ¹⁰	1595		\$ -
Disposition and Recovery of Regulatory Balances (2009) ¹⁰	1595	\$ -	\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		-\$ 906,988	-\$ 1,070,704
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		-\$ 2,226,902	-\$ 1,070,705
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 1,319,914	\$ 0

		2.1.7 RRR	
Account Descriptions	Account Number	As of Dec 31-10 ⁴	Variance RRR vs. 2010 Balance (Principal + Interest)
Group 2 Accounts			
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508		\$ -
Other Regulatory Assets - Sub-Account - Pension Contributions	1508		\$ -
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 837	-\$ 0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ 43,827	\$ 1
Other Regulatory Assets - Sub-Account - Other ⁷	1508		\$ -
Retail Cost Variance Account - Retail	1518		\$ -
Misc. Deferred Debits	1525		\$ -
Renewable Generation Connection Capital Deferral Account	1531		\$ -
Renewable Generation Connection OM&A Deferral Account	1532		\$ -
Renewable Generation Connection Funding Adder Deferral Account	1533		\$ -
Smart Grid Capital Deferral Account	1534		\$ -
Smart Grid OM&A Deferral Account	1535	\$ 38,453	-\$ 0
Smart Grid Funding Adder Deferral Account	1536		\$ -
Retail Cost Variance Account - STR	1548		\$ -
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ 6,014,204	-\$ 1
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries	1555	-\$ 1,533,746	\$ 1
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs	1555		\$ -
Smart Meter OM&A Variance	1556	\$ 497,478	-\$ 0
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	-\$ 63,083	-\$ 0
CDM Contra	1566		\$ -
Qualifying Transition Costs ⁵	1570		\$ -
Pre-market Opening Energy Variance ⁶	1571		\$ -
Extra-Ordinary Event Costs	1572		\$ -
Deferred Rate Impact Amounts	1574	-\$ 1,329,402	\$ 1
RSVA - One-time	1582		\$ -
Other Deferred Credits	2425		\$ -
Group 2 Sub-Total		\$ 3,668,568	\$ 1
Deferred Payments in Lieu of Taxes	1562		\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592		\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -	-\$ 55,681
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$ 2,761,580	
Special Purpose Charge Assessment Variance Account	1521	\$ 147,796	\$ 138,090

		2.1.7 RRR	
Account Descriptions	Account Number	As of Dec 31-10 ⁴	Variance RRR vs. 2010 Balance (Principal + Interest)
Total including Account 1521 ¹		\$ 2,909,376	\$ 138,090
The following is not included in the total claim but are included on a memo basis:			
Deferred PILs Contra Account ⁸	1563		\$ -
Board-Approved CDM Variance Account	1567		\$ -
PILs and Tax Variance for 2006 and Subsequent Years -	1592		\$ -
Sub-Account HST/OVAT Contra Account			\$ -
Disposition and Recovery of Regulatory Balances ¹⁰	1595		\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 appending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs v. Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. Closed April 30, 2002

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction as a separate line item. Please describe "other" components of 1508 and add more component lines if necessary.

1563 is a contra-account and is not included in the total but is shown on a memo basis. Account 1562 establishes the offset for the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Accounts that produced a variance on the 2012 continuity schedule are listed below.

Account Descriptions	Account Number	Variance RRR vs. 2010 Balance (Principal + Interest)	Explanation
Group 1 Accounts			
Low Voltage Account	1550	\$ (0.23)	rounding
RSVA - Wholesale Market Service Charge	1580	\$ (0.15)	rounding
RSVA - Retail Transmission Network Charge	1584	\$ 1.00	rounding
RSVA - Retail Transmission Connection Charge	1586	\$ 0.30	rounding
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 0.47	rounding
Recovery of Regulatory Asset Balances	1590	\$ (1,070,705.50)	account allocation on 2.1.7 was incorrect. See attached reconciliation
Group 2 Accounts			
Other Regulatory Assets - Sub-Account Deferred IFRS Transition Costs	1508	\$ (0.45)	rounding
Smart Grid OM&A Deferral Account	1535	\$ (0.32)	rounding
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital	1555	\$ (0.56)	rounding
Smart Meter OM&A Variance	1556	\$ (0.03)	rounding
Conservation and Demand Management (CDM) Expenditures and Recoveries	1565	\$ (0.47)	rounding
Deferred Rate Impact Amounts	1574	\$ 0.84	rounding
Special Purpose Charge Assessment Variance Account	1521	\$ 138,089.64	difference is the amount recovered to September 23, 2011. See supporting documentation

Greater Sudbury Hydro Inc
Variance in account 1590

2.1.7			EDDVAR		Difference/Explanation	
2009						
Account	Amount		Account	Amount	Difference	Explanation
1590 -	97,988.34	principle/interest	1590 -	97,989.00	0.66	rounding
						We had just received approval for disposition per rate order EB 2008-0230 dated January 19,2010. this was to be recovered over two years ending April 30, 2011. As per EDDVARR instructions, we are not to include account in spreadsheet while is is being recovered.
1595 -	2,591,261.21	principle/interest	1595	-	-	2,591,261.21
	- 2,689,249.55			- 97,989.00	-	2,591,260.55
2010						
Account	Amount		Account	Amount	Difference	
1590 -	1,180,950.00	principle/interest	1590 -	110,245.00	-	1,070,705.00
1595	272,378.00	principle/interest	1595	-	-	272,378.00
	- 908,572.00				-	798,327.00
2010 correct account groupings:						
1590 -	110,245.00	principle/interest	1590 -	110,245.00	-	this would be the correct grouping.
1595 -	798,329.00	principle/interest	1595	-	-	798,329.00
	- 908,574.00			- 110,245.00	-	798,329.00
						Again, we are not including 1595 as per instructio

When submitting 2.1.7, the grouping of subaccounts was incorrect.

Again, we are not including 1595 as per instructio

Add: CIS Infinity	347,127,804.86	\$129,311.81
Total billed	1,215,726,285.36	\$370,900.04
Amount of SPC paid		-\$378,888.00
Amount to be recovered as of Sept 23, 2011		<u><u>-\$7,987.96</u></u>
Balance at December 31, 2010		\$147,796.00
Amount recovered in 2011		\$139,808.04
Carrying Charges to December 31, 2010		<u>-\$1,718.00</u>
Difference from 2.1.7		<u>\$138,090.04</u>

V1.2



Ontario Energy Board

2012 IRM 3 Tax Savings Workform

Choose Your Utility:

Greater Sudbury Hydro Inc.
Haldimand County Hydro Inc.

Application EB-2011-0169
OEB Application IRM3
LDC Licence #: ED-2002-0559

Application Contact Information

Name: Catherine Huneault

Title: Supervisor Accounting and Admin Services

Phone Number: 705-675-7536 ext 2241

Email Address: catherineh@shec.com

We are applying for rates effective: May 1, 2012

Last COS Re-based Year: 2009

Legend

DROP-DOWN MENU

INPUT FIELD

CALCULATION

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[4. Re-Based Revenue from Rates](#)

[5. Z-Factor Tax Changes](#)

[6. Calculation of Tax Change Variable Rate Rider](#)



Enter your 2011 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 2009

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	41,742	411,365,208		16.00	0.0123	
GSLT50	General Service Less Than 50 kW	Customer	kWh	4,023	142,022,495		21.36	0.0184	
GSST50	General Service 50 to 4,999 kW	Customer	kW	569	411,264,889	1,012,838	163.06		4.2336
USL	Unmetered Scattered Load	Connection	kWh	338	2,223,118		7.98	0.0122	
Sen	Sentinel Lighting	Connection	kW	432	567,330	1,453	3.68		11.7670
SL	Street Lighting	Connection	kW	9,647	8,681,572	23,889	3.69		10.7227
NA		Customer	kW						
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						



Greater Sudbury Hydro Inc.

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

Last COS Re-based Year was in 2009

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	41,742	411,365,208	0	16.00	0.0123	0.0000	8,014,464	5,059,792	0	13,074,256
General Service Less Than 50 kW	4,023	142,022,495	0	21.36	0.0184	0.0000	1,031,175	2,613,214	0	3,644,389
General Service 50 to 4,999 kW	569	411,264,889	1,012,838	163.06	0.0000	4.2336	1,113,374	0	4,287,951	5,401,325
Unmetered Scattered Load	338	2,223,118	0	7.98	0.0122	0.0000	32,367	27,122	0	59,489
Sentinel Lighting	432	567,330	1,453	3.68	0.0000	11.7670	19,077	0	17,097	36,175
Street Lighting	9,647	8,681,572	23,889	3.69	0.0000	10.7227	427,169	0	256,155	683,324
0	0	0	0	0.00	0.0000	0.0000	0	0	0	0
							10,637,626	7,700,128	4,561,203	22,898,957



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).

Summary - Sharing of Tax Change Forecast Amounts

For the 2009 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

\$ -

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

Taxable Capital

2009

2012

\$ 76,620,014

\$ 76,620,014

Deduction from taxable capital up to \$15,000,000

\$ 15,000,000

\$ 15,000,000

Net Taxable Capital

\$ 61,620,014

\$ 61,620,014

Rate

0.225%

0.000%

Ontario Capital Tax (Deductible, not grossed-up)

\$ 138,645

\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income

2009

2012

\$ 4,061,892

\$ 4,061,892

Corporate Tax Rate

33.00%

25.42%

Tax Impact

\$ 1,340,424

\$ 1,032,456

Grossed-up Tax Amount

\$ 2,000,633

\$ 1,384,325

Tax Related Amounts Forecast from Capital Tax Rate Changes

\$ 138,645

\$ -

Tax Related Amounts Forecast from Income Tax Rate Changes

\$ 2,000,633

\$ 1,384,325

Total Tax Related Amounts

\$ 2,139,278

\$ 1,384,325

Incremental Tax Savings

-\$ 754,953

Sharing of Tax Savings (50%)

-\$ 377,476



Greater Sudbury Hydro Inc.

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 17 of the 2012 IRM Rate Generator Model.

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	\$13,074,256.0584	57.10%	-\$215,522	411,365,208	0	-\$0.0005	
General Service Less Than 50 kW	\$3,644,389	15.92%	-\$60,076	142,022,495	0	-\$0.0004	
General Service 50 to 4,999 kW	\$5,401,325	23.59%	-\$89,038	411,264,889	1,012,838		-\$0.0879
Unmetered Scattered Load	\$59,489	0.26%	-\$981	2,223,118	0	-\$0.0004	
Sentinel Lighting	\$36,175	0.16%	-\$596	567,330	1,453		-\$0.4104
Street Lighting	\$683,324	2.98%	-\$11,264	8,681,572	23,889		-\$0.4715
	\$0	0.00%	\$0	0	0		
	\$22,898,957	100.00%	-\$377,476				
	H		I				

Appendix D

Lost Revenue Adjustment Mechanism (“LRAM”)

Introduction

Greater Sudbury Hydro is submitting this Application for the approval and recovery of historical Lost Revenue Adjustment Mechanism (“LRAM”) related to its third tranche and Ontario Power Authority (“OPA”) Conservation and Demand Management (“CDM”) activities for the years 2005 to 2010. Greater Sudbury Hydro is not requesting a Shared Savings Mechanism (“SSM”) recovery. Greater Sudbury Hydro filed its first LRAM and SSM claim as part of its 2007 and 2008 program activity from its third tranche and OPA activities and was awarded a combined LRAM/SSM claim of \$188,597 (\$29,165 and \$159,432 respectively) in its 2009 Cost of Service application. In accordance with Section 3.4.2 of the Board’s updated filing requirements for distribution rate applications, Greater Sudbury Hydro must file for LRAM recovery for the period 2005 to 2010 in its 2012 IRM Application or forego the opportunity to recover its LRAM for this legacy period of CDM activity. Greater Sudbury Hydro is requesting recovery by way of a rate rider effective May 1, 2012 for a one year period ending April 30, 2013.

In preparing this Application, Greater Sudbury Hydro followed the Guidelines for Electricity Distributor Conservation and Demand Management EB-2008-0037, issued March 28, 2008 (“CDM Guidelines”). Section 7.3 of the CDM Guidelines requires that the input assumptions used for the calculation of LRAM should be the best available at the time of the third party assessment. Greater Sudbury Hydro engaged a third party, SeeLine Group Ltd. (“SeeLine”) to conduct an independent review of its LRAM claim relating to Third Tranche CDM activity. This review included an update of savings using the most current OPA Measures and Assumptions Release Version 1 – March 2011, where required. The SeeLine Report is attached as Appendix D1.

LRAM Amounts

Greater Sudbury Hydro is requesting recovery of its LRAM savings resulting from:

1. Third Tranche CDM programs implemented in 2005 to 2007;

2. OPA CDM programs implemented in 2007 to 2010

The annual LRAM calculations are based on Greater Sudbury Hydro's average annual variable distribution rates as set out in Appendix D2. The total LRAM amount sought for recovery, from Third Tranche programs is \$24,747 and \$290,142 from OPA CDM programs. Carrying Charges amount to (calculate 2008 and 2009) and is allocated to each customer class based on the LRAM claim for each customer class. The total requested LRAM recovery related to all CDM activities for 2005 to 2010 is \$314,899 plus carrying charges of \$13,197 through April 30, 2012 for a total combined claim of \$329,086.

Greater Sudbury Hydro is proposing to recover the total LRAM of \$328,086 through customer class specific volumetric rate riders over the twelve month period May 1, 2012 to April 30, 2013.

Table 1 summarizes Greater Sudbury Hydro's LRAM claim and the supporting documentation is discussed in greater detail below.

Table 1
Summary of 2005 to 2010 LRAM Amounts

LRAM Amounts by CDM Program Year								
			2008	2009	2010	Total	Carrying Charges	Grand Total
All Programs								
Residential			\$ 51,428	\$ 65,172	\$ 76,318	\$ 192,919	\$ 8,693	\$ 201,611
GS <50 kW			\$ 984	\$ 13,383	\$ 21,032	\$ 35,399	\$ 1,179	\$ 36,578
GS >50 kW			\$ 10,860	\$ 33,606	\$ 42,106	\$ 86,571	\$ 3,325	\$ 89,897
	Grand Total		\$ 63,272	\$ 112,161	\$ 139,456	\$ 314,889	\$ 13,197	\$ 328,086

Table 2 sets out the LRAM claim for each of the Third Tranche Funded Programs and OPA Funded Programs by customer class.

Table 2
Third Tranche and OPA CDM Funded Programs by Customer Class

LRAM Amounts by Customer Class						
<u>OPA-Funded Programs</u>						
Residential		\$	43,159	\$	57,093	\$ 168,172
GS <50 kW		\$	984	\$	13,383	\$ 35,399
GS >50 kW		\$	10,860	\$	33,606	\$ 86,571
Total for OPA-Funded Programs		\$	55,003	\$	104,082	\$ 290,142
<u>Third Tranche-Funded Programs</u>						
Residential		\$	8,269	\$	8,079	\$ 24,747
GS <50 kW		\$	-	\$	-	\$ -
GS >50 kW		\$	-	\$	-	\$ -
Total for Third Tranche-Funded Programs		\$	8,269	\$	8,079	\$ 24,747
<u>Grand Total</u>		\$	63,272	\$	112,161	\$ 314,889

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[illegible]

Table 5
2007 LRAM at 2008 Rates

Funding Mechanism/ Program/Rate/ Customer					2007 Lost Volumes Carried Over to Year		2008 Average Distribution Rates ⁽¹⁾		2008 Total Lost Revenues
					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
Class					(a)	(b)	(e)	(f)	(e) = [(a) x (c)] + ((b) x (d) x 12)]
<u>OPA-Funded Programs</u>									
Residential									
				Great Refrigerator Roundup	103,827	13			\$ 1,184
				Cool & Hot Savings Rebate	215,472	144			\$ 2,456
				Every Kilowatt Counts	1,275,837	45			\$ 14,545
				peaksaver®	-	-			\$ -
				Summer Savings	-	-			\$ -
				Aboriginal	327,600	16			\$ 3,735
				Affordable Housing Pilot	-	-			\$ -
				Social Housing Pilot	117,393	14			\$ 1,338
				Energy Efficiency Assistance for Houses Pilot	-	-			\$ -
				Subtotal for Residential Class	2,040,129	231	\$ 0.0114		\$ 23,257
				Total for OPA-Funded Programs	2,040,129	231			\$ 23,257
<u>Third Tranche-Funded Programs</u>									
Residential									
				CFL Distribution	52,111	2			\$ 594
				Subtotal for Residential Class	52,111	2	\$ 0.0114		\$ 594
				Total for Third Tranche-Funded Programs	52,111	2			\$ 594
				Grand Total	2,092,240	233			23,852
Notes:									
				⁽¹⁾ Distribution rates used are prorated for rate changes during the year based on effective dates of rate orders. Refer to Rate Schedule attached hereto.					

Table 6
2008 LRAM at 2008 Rates

					2008 Lost Volumes Carried Over to Year		2008 Average Distribution Rates ⁽¹⁾		2008 Total Lost Revenues
Funding Mechanism/ Program/Rate/ Customer Class					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) x 12)]
<u>OPA-Funded Programs</u>									
Residential									
				Great Refrigerator Roundup	184,216	19			\$ 2,100
				Cool Savings Rebate	236,585	150			\$ 2,697
				Every Kilowatt Counts Power Savings Event	1,200,965	65			\$ 13,691
				peaksaver®	1,168	58			\$ 13
				Summer Sweepstakes	122,832	31			\$ 1,400
				Subtotal for Residential Class	1,745,766	324	\$0.0114	\$ -	\$ 19,902
GS < 50 kW									
				Power Savings Blitz	53,963	7			\$ 984
				Subtotal for GS <50 kW	53,963	7	\$ 0.018	\$ -	\$ 984
GS > 50 kW									
				Electricity Retrofit Incentive	1,030,252	193			\$ 10,732
				High Performance New Construction	1,939	2			\$ 128
				Subtotal for GS 50-499 kW	1,032,191	195	\$ -	\$ 4.629	\$ 10,860
Total for OPA-Funded Programs					2,831,920	527			31,746

Greater Sudbury Hydro's LRAM claim for 2009 is comprised of its 2005 and 2006 Third Tranche CDM program savings and 2007, 2008 and 2009 OPA CDM programs. The LRAM claim for each year is based on 2009 average variable distribution rates. The following Tables for 2009 LRAM calculations provide the 2005, 2006, 2007 and 2008 kWh savings at 2009 rates, the 2009 kWh savings from the OPA CDM programs and Greater Sudbury Hydro's total 2009 LRAM claim (all years) by customer class and program provider. Greater Sudbury Hydro has provided the Final OPA CDM Results as Appendix D3 and as an Excel spreadsheet.

[illegible]

					2006 Lost Volumes Carried	2009 Average		2009 Total Lost	
					Over to Year ⁽¹⁾	Distribution Rates ⁽²⁾		Revenues	
<u>Funding Mechanism/ Program/Rate/ Customer</u>					(kWh)	(kW)	(kWh)	(kW)	(\$)
<u>Class</u>					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) X
<u>Third Tranche-Funded Programs</u>									
Residential									
				CFL Distribution	4,211	0.13			\$ 51
				Science North LED Seasonal Light Exchange	829	-			\$ 10
				Every Kilowatt Counts	664,859	16.94			\$ 7,978
				Subtotal for Residential Class	669,899	17	\$ 0.0120	\$ -	\$ 8,039
				Total for Third Tranche-Funded Programs	669,899	17			\$ 8,039
<u>Notes:</u>									
(1)	2006 third tranche lost volumes are carried over to 2008, 2009 and 2010 at their fully effective levels as presented in the independent third party report.								
(2)	Distribution rates used are prorated for rate changes during the year based on effective dates of rate orders. Refer to Rate Schedule attached hereto.								

Table 10
2007 LRAM at 2009 Rates

<u>Funding Mechanism/ Program/Rate/ Customer</u>				2007 Lost Volumes Carried Over to Year		2009 Average Distribution Rates ⁽¹⁾		2009 Total Lost Revenues
				(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
			<u>Class</u>	(a)	(b)	(e)	(f)	(e) = [(a) x (c)] + ((b) x (d) X 12)]
			<u>OPA-Funded Programs</u>					
			Residential					
			Great Refrigerator Roundup	103,827	19			\$ 1,246
			Cool & Hot Savings Rebate	215,472	150			\$ 2,586
			Every Kilowatt Counts	1,275,837	63			\$ 15,310
			peaksaver®	-	58			\$ -
			Summer Savings	-	18			\$ -
			Aboriginal	327,600	193			\$ 3,931
			Affordable Housing Pilot	-	-			\$ -
			Social Housing Pilot	117,393	2			\$ 1,409
			Energy Efficiency Assistance for Houses Pilot	-	7			\$ -
			Subtotal for Residential Class	2,040,129	511	\$ 0.0120	\$ -	\$ 24,482
			Total for OPA-Funded Programs	2,040,129	511			\$ 24,482
			<u>Third Tranche-Funded Programs</u>					
			Residential					
			CFL Distribution	52,111	2			\$ 625
			Subtotal for Residential Class	52,111	2	\$ 0.0120	\$ -	\$ 625
			Total for Third Tranche-Funded Programs	52,111	2			\$ 625
			Grand Total	2,092,240	513			25,107
<u>Notes:</u>								
⁽¹⁾				Distribution rates used are prorated for rate changes during the year based on effective dates of rate orders. Refer to Rate Schedule attached hereto.				

Table 11
2008 LRAM at 2009 Rates

					2008 Lost Volumes Carried Over to Year		2009 Average Distribution Rates ⁽¹⁾		2009 Total Lost Revenues
Funding Mechanism/ Program/Rate/ Customer Class					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) X 12)]
OPA-Funded Programs									
Residential									
				Great Refrigerator Roundup	184,216	19			\$ 2,211
				Cool Savings Rebate	236,585	150			\$ 2,839
				Every Kilowatt Counts Power Savings Event	1,195,741	63			\$ 14,349
				peaksaver®	1,168	58			\$ 14
				Summer Sweepstakes	44,324	18			\$ 532
				Subtotal for Residential Class	1,662,034	308	\$0.0120	\$ -	\$ 19,944
GS < 50 kW									
				Power Savings Blitz	53,963	7			\$ 1,009
				Subtotal for GS <50 kW	53,963	7	\$0.0187	\$ -	\$ 1,009
GS > 50 kW									
				Electricity Retrofit Incentive	1,030,245	193			\$ 10,427
				High Performance New Construction	1,939	2			\$ 124
				Subtotal for GS 50-499 kW	1,032,184	195	\$ -	\$ 4.498	\$ 10,551
Total for OPA-Funded Programs					2,748,181	511			31,504

Table 12
2009 LRAM at 2009 Rates

					2009 Lost Volumes Carried Over to Year		2009 Average Distribution Rates ⁽¹⁾		2009 Total Lost Revenues
Funding Mechanism/ Program/Rate/ Customer Class					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) X 12)]
OPA-Funded Programs									
Residential									
			Great Refrigerator Roundup		233,057	34			\$ 2,797
			Cool Savings Rebate		300,219	198			\$ 3,603
			Every Kilowatt Counts Power Savings Event		522,035	53			\$ 6,264
			peaksaver®		261	146			\$ 3
			Subtotal for Residential Class		1,055,573	431	\$ 0.0120	\$ -	\$ 12,667
GS < 50 kW									
			Power Savings Blitz		661,698	170			\$ 12,374
			Subtotal for GS <50 kW		661,698	170	\$ 0.0187	\$ -	\$ 12,374
GS > 50 kW									
			Electricity Retrofit Incentive		3,271,860	400			\$ 21,611
			High Performance New Construction		61,008	27			\$ 1,444
			Subtotal for GS 50-499 kW		3,332,868	427	\$ -	\$ 4.498	\$ 23,055
Total for OPA-Funded Programs					5,050,140	1,027			48,096

Table 13
Total 2009 LRAM Claim by Customer Class

January 1 to December 31, 2009									
Amounts by CDM Program Year									
Customer Class	2005	2006	2007	2008	2009	2009 Total Lost Revenues			
All Programs									
Residential	\$ 40	\$ 8,039	\$ 24,482	\$ 19,944	\$ 12,667	\$			65,172
GS < 50 kW	\$ -	\$ -	\$ -	\$ 1,009	\$ 12,374	\$			13,383
GS > 50 kW	\$ -	\$ -	\$ -	\$ 10,551	\$ 23,055	\$			33,606
Grand Total	\$ 40	\$ 8,039	\$ 24,482	\$ 31,504	\$ 48,096	\$			112,161
Breakdown of Totals by Source of Funding									
OPA-Funded Programs									
Residential	\$ -	\$ -	\$ 24,482	\$ 19,944	\$ 12,667	\$			57,093
GS < 50 kW	\$ -	\$ -	\$ -	\$ 1,009	\$ 12,374	\$			13,383
GS > 50 kW	\$ -	\$ -	\$ -	\$ 10,551	\$ 23,055	\$			33,606
Total for OPA-Funded Programs	\$ -	\$ -	\$ 24,482	\$ 31,504	\$ 48,096	\$			104,082
Third Tranche-Funded Programs									
Residential	\$ 40	\$ 8,039	\$ -	\$ -	\$ -	\$			8,079
GS < 50 kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$			-
GS > 50 kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$			-
Total for Third Tranche-Funded Programs	\$ 40	\$ 8,039	\$ -	\$ -	\$ -	\$			8,079
Grand Total	\$ 40	\$ 8,039	\$ 24,482	\$ 31,504	\$ 48,096	\$			112,161

Greater Sudbury Hydro received its 2010 OPA CDM Program Results on September 16, 2011. Greater Sudbury Hydro's 2010 LRAM claim is comprised of its 2005 and 2006 Third Tranche CDM program savings and 2007, 2008, 2009 and 2010 OPA CDM programs. The LRAM claim for each year is based on 2010 average variable distribution rates. The following Tables for 2010 LRAM calculations provide the 2005, 2006, 2007, 2008 and 2009 kWh savings at 2010 rates, the 2010 kWh/kW savings from the OPA CDM programs and Greater Sudbury Hydro's total 2010 LRAM claim (all years) by customer class and program provider. Greater Sudbury Hydro has provided its 2010 OPA CDM Program Results as Appendix D5 and as an Excel spreadsheet.

Notes:

(1)	2005 third tranche lost volumes are carried over 2008, 2009 and 2010 at their fully effective levels as presented in the independent third party report.
(2)	Distribution rates used are prorated for rate changes during the year based on effective dates of rate orders. Refer to Rate Schedule attached hereto.

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Table 16
2007 LRAM at 2010 Rates

Funding Mechanism/ Program/Rate/ Customer					2007 Lost Volumes Carried Over to Year		2010 Average Distribution Rates ⁽¹⁾		2010 Total Lost Revenues
					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
Class					(a)	(b)	(e)	(f)	(e) = [(a) x (c)] + ((b) x (d) x 12)]
OPA-Funded Programs									
Residential									
				Great Refrigerator Roundup	103,827	13			\$ 1,295
				Cool & Hot Savings Rebate	215,472	144			\$ 2,688
				Every Kilowatt Counts	1,275,837	45			\$ 15,916
				peaksaver®	-	-			\$ -
				Summer Savings	-	-			\$ -
				Aboriginal	327,600	16			\$ 4,087
				Affordable Housing Pilot	-	-			\$ -
				Social Housing Pilot	117,393	14			\$ 1,464
				Energy Efficiency Assistance for Houses Pilot	2,040,129	231	\$ 0.0125	\$ -	\$ 25,451
Total for OPA-Funded Programs					2,040,129	231			\$ 25,451
Third Tranche-Funded Programs									
Residential									
				CFL Distribution	52,111	2			\$ 650
				Subtotal for Residential Class	52,111	2	\$ 0.0125	\$ -	\$ 650
Total for Third Tranche-Funded Programs					52,111	2			\$ 650
Grand Total					2,092,240	233			26,101
Notes:									
⁽¹⁾ Distribution rates used are prorated for rate changes during the year based on effective dates of rate orders. Refer to Rate Schedule attached hereto.									

Table 17
2008 LRAM at 2010 Rates

					2008 Lost Volumes Carried Over to Year		2010 Average Distribution Rates ⁽¹⁾		2010 Total Lost Revenues
Funding Mechanism/ Program/Rate/ Customer Class					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) x 12)]
				OPA-Funded Programs					
				Residential					
				Great Refrigerator Roundup	184,216	19			\$ 2,298
				Cool Savings Rebate	236,585	150			\$ 2,951
				Every Kilowatt Counts Power Savings Event	1,195,741	63			\$ 14,917
				peaksaver®	1,168	58			\$ 15
				Summer Sweepstakes	44,324	18			\$ 553
				Subtotal for Residential Class	1,662,034	308	\$0.0125	\$ -	\$ 20,734
				GS < 50 kW					
				Power Savings Blitz	46,153	6			\$ 877
				Subtotal for GS <50 kW	46,153	6	\$0.0190	\$ -	\$ 877
				GS > 50 kW					
				Electricity Retrofit Incentive	1,030,245	193			\$ 10,126
				High Performance New Construction	1,939	2			\$ 120
				Subtotal for GS 50-499 kW	1,032,184	195	\$ -	\$ 4.368	\$ 10,247
				Total for OPA-Funded Programs	2,740,371	510			31,857

Table 18
2009 LRAM at 2010 Rates

					2009 Lost Volumes Carried Over to Year		2010 Average Distribution Rates ⁽¹⁾		2010 Total Lost Revenues
Funding Mechanism/ Program/Rate/ Customer Class					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) x 12)]
				OPA-Funded Programs					
				Residential					
				Great Refrigerator Roundup	233,057	34			\$ 4,426
				Cool Savings Rebate	300,219	198			\$ 5,702
				Every Kilowatt Counts Power Savings Event	500,373	52			\$ 9,503
				peaksaver®	261	146			\$ 5
				Subtotal for Residential Class	1,033,911	430	\$ 0.0125		\$ 12,898
				GS < 50 kW					
				Power Savings Blitz	661,698	170			\$ 12,567
				Subtotal for GS <50 kW	661,698	170	\$ 0.0190		\$ 12,567
				GS > 50 kW					
				Electricity Retrofit Incentive	3,271,860	400			\$ 20,988
				High Performance New Construction	61,008	27			\$ 1,403
				Subtotal for GS 50-499 kW	3,332,868	427		\$ 4.368	\$ 22,391
				Total for OPA-Funded Programs	5,028,478	1,027			47,856

Table 19
2010 LRAM at 2010 Rates

					2010 Lost Volumes Carried Over to Year		2010 Average Distribution Rates ⁽¹⁾		2010 Total Lost Revenues
Funding Mechanism/ Program/Rate/ Customer Class					(kWh)	(kW)	(\$/kWh)	(\$/kW)	(\$)
					(a)	(b)	(c)	(d)	(e) = [(a) x (c)] + ((b) x (d) x 12)]
OPA-Funded Programs									
			Residential						
			Great Refrigerator Roundup		325,639	48			\$ 4,062
			Cool Savings Rebate		197,205	120			\$ 2,460
			Every Kilowatt Counts Power Savings Event		185,339	16			\$ 2,312
			peaksaver®		192	49			\$ 2
			Subtotal for Residential Class		708,375	233	\$ 0.0125		\$ 8,837
			GS < 50 kW						
			Power Savings Blitz		399,598	131			\$ 7,589
			Subtotal for GS <50 kW		399,598	131	\$ 0.0190		\$ 7,589
			GS > 50 kW						
			Electricity Retrofit Incentive		522,392	93			\$ 4,852
			High Performance New Construction		200,791	88			\$ 4,616
			Subtotal for GS 50-499 kW		723,182	181		\$ 4.368	\$ 9,468
			Total for OPA-Funded Programs		1,831,156	544			25,894
Notes:									
			(1)		Distribution rates used are prorated for rate changes during the year based on effective dates of rate orders. Refer to Rate Schedule attached hereto.				

Table 20

Total 2010 LRAM Claim by Customer Class

January 1 to December 31, 2010										
Amounts by CDM Program Year										2010 Total Lost Revenues
Customer Class				2005	2006	2007	2008	2009	2010	
All Programs										
Residential				\$ 42	\$ 8,357	\$ 25,451	\$ 20,734	\$ 12,898	\$ 8,837	\$ 76,318
GS < 50 kW				\$ -	\$ -	\$ -	\$ 877	\$ 12,567	\$ 7,589	\$ 21,032
GS > 50 kW				\$ -	\$ -	\$ -	\$ 10,247	\$ 22,391	\$ 9,468	\$ 42,106
Grand Total				\$ 42	\$ 8,357	\$ 25,451	\$ 31,857	\$ 47,856	\$ 25,894	\$ 139,456
Breakdown of Totals by Source of Funding										
OPA-Funded Programs										
Residential				\$ -	\$ -	\$ 25,451	\$ 20,734	\$ 12,898	\$ 8,837	\$ 67,920
GS < 50 kW				\$ -	\$ -	\$ -	\$ 877	\$ 12,567	\$ 7,589	\$ 21,032
GS > 50 kW				\$ -	\$ -	\$ -	\$ 10,247	\$ 22,391	\$ 9,468	\$ 42,106
Total for OPA-Funded Programs				\$ -	\$ -	\$ 25,451	\$ 31,857	\$ 47,856	\$ 25,894	\$ 131,057
Third Tranche-Funded Programs										
Residential				\$ 42	\$ 8,357	\$ -	\$ -	\$ -	\$ -	\$ 8,399
GS < 50 kW				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GS > 50 kW				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total for Third Tranche-Funded Programs				\$ 42	\$ 8,357	\$ -	\$ -	\$ -	\$ -	\$ 8,399
Grand Total				\$ 42	\$ 8,357	\$ 25,451	\$ 31,857	\$ 47,856	\$ 25,894	\$ 139,456

It should be noted that 2010 LRAM is filed in accordance with the OPA final results received September 16, 2011. In terms of the 2010 OPA Commercial and Industrial programs for which applications were received prior to December 31, 2010 but the deadline to complete the work is December 31, 2011, a decision has not been reached on which year the savings shall be attributed. Pending the outcome of said decision, it may be necessary for Greater Sudbury Hydro to update its 2010 LRAM claim accordingly.

Rate Rider Calculations

Greater Sudbury Hydro proposes to recover the LRAM amounts including associated carrying charges through a class-specific 2012 volumetric rate rider. The rate riders were determined by dividing the total class specific LRAM amount by the most recent OEB Approved volumetric forecast which is Greater Sudbury Hydro's 2009 Cost of Service Electricity Distribution Rate Application. The following Table sets out the calculations supporting the rate riders.

Table 21
Calculations of LRAM Rate Riders by Customer Class

Customer Class	Total LRAM & Carrying Charges \$\$\$	Unit	2009 Cost of Service Approved Metered kWh/kW	Proposed Rate Rider May 1, 2012
Residential	201,611	kWh	411,365,208	\$0.0005
GS <50 kW	36,578	kWh	142,022,495	\$0.0003
GS >50 kW	89,897	kW	1,012,838	\$0.0888
	<u>328,086</u>			

Bill Impacts

Greater Sudbury Hydro calculated the customer total bill impact using the results from the 2012 IRM Rate Generator Model and then added the proposed LRAM Rate Rider to calculate the change in total bill impact. For the typical Residential customer using 800 kWh, the proposed LRAM Rate Rider will result in an increase of \$0.39 or 0.41% on the total monthly bill. For the typical General service <50 kW customer using 2,000 kWh, the proposed LRAM Rate Rider will result in an increase of \$0.52 or 0.21% on the total monthly bill. For General service >50 kW customer, the proposed LRAM Rate Rider will result in an increase of \$0.0888 per kW.



Independent Third Party Review

OF

**Greater Sudbury Hydro Inc.'s 2005 to 2007 Third Tranche
Conservation and Demand Management (CDM) Savings
Attributable to its 2012 Lost Revenue Adjustment Claim**

**Prepared By:
SeeLine Group Ltd.**

September 7, 2011

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Executive Summary

As part of its reporting commitment to the Ontario Energy Board (OEB), Greater Sudbury Hydro Inc. (GSHI) engaged SeeLine Group Ltd. (SeeLine) to perform an independent third party review of its 2005 to 2007 Conservation and Demand Management (CDM) results. These results constitute the basis for a 2012 Lost Revenue Adjustment Mechanism (LRAM) claim attributable to CDM achievements from its third tranche of Market Adjustment Revenue Requirement (MARR) funding.

Following guidelines set forth by the OEB in its 'Guidelines for Electricity Distributor Conservation and Demand Management – Board File No. EB-2008-0037' and its letter of January 27th 2009 to all Licensed Electricity Distributors, SeeLine closely examined all inputs and assumptions relating to the reported savings with a focus on updating the LRAM savings based on revised Ontario Power Authority (OPA) prescriptive measure assumptions¹.

1

<http://www.powerauthority.on.ca/sites/default/files/2011%20Prescriptive%20Measures%20and%20Assumptions%20List%20Version%201.0%20FINAL%20%28April%2006%2C%202011%29.pdf>

1.0 Introduction

In 2007, GSHI completed its final year of CDM activity funded with its third installment of MARR. This marked the end of a three-year effort resulting in approximately 0.864 MW of summer peak demand and over 10.647 GWh² in annual energy savings.

Building on the success of its third tranche effort, GSHI developed a three-year CDM plan that addressed its unique needs as a winter peaking Northern Ontario community. Following the filing of that plan, GSHI received Board approval for \$2,668,588 in addition funding for its 2009 – 2011 custom programs.

With new CDM funding and province wide programs available through the Ontario Power Authority (OPA), GSHI continues its support of CDM and the development of a 'culture of conservation' in the province of Ontario through its enrollment in many of the OPA standard programs.

2.0 Background

In December 2008, GSHI filed its first Lost Revenue Adjustment Mechanism (LRAM) and Shared Savings Mechanism (SSM) claim as part of a 2009 Incentive Regulation Mechanism Rate Application (EB-2008-023) relating to its 2007 and 2008 program activity from its third tranche and OPA activities. Subject to revisions to its original LRAM calculations, GSHI was awarded a combined LRAM/SSM claim of \$188,597.

Now, as part of its 2012 IRM application, GSHI has contracted SeeLine to perform a review of the 2005 to 2007 third tranche CDM savings related to its current LRAM claim. This review included an examination of the LRAM savings and identification of inputs requiring an update for consistency with current OPA measure assumptions. Detailed results from this exercise can be found in the report Appendices.

3.0 Scope

On March 28th 2007, the OEB established its ongoing role in electricity local distribution companies (LDCs) CDM activities through its 'Guidelines for Electricity Distributor Conservation and Demand Management – Board File No.: EB-2008-0037 (the Guidelines). These Guidelines provide the framework for the review and approval of CDM spending, reporting guidelines, program evaluation, and the review and recovery of LRAM and Shared Savings Mechanism (SSM) claims.

² http://www.ontarioenergyboard.ca/OEB/_Documents/RP-2004-0203/2008_annual_report_GreaterSudbury.pdf

In section 7.3 of these Guidelines, it states that input assumptions may change over time as more accurate information becomes available. As such, LDCs are expected to use input assumptions that are available at the time of an independent third party review.

4.0 Findings from the Review of Savings Material to Proposed LRAM Claim

In keeping with Board Guidelines, SeeLine relied on the OPA Measures and Assumptions List – Release Version 1 – March 2011 to form the basis of the recommended savings estimates for GSHI's LRAM claim. This list was created to provide best available information, making use of existing lists of inputs and assumptions, reports, technical literature and publications most suitable and specific to Ontario.

Detailed findings from this review are highlighted in the report Appendices.

4.1 Demand and Energy Savings

The following tables provide a summary of GSHI's fully effective net savings by rate class.

Table 1 – Summary of GSHI's 2005 Fully Effective Net Savings as Verified by SeeLine

Program	kW Savings	kWh Savings
Residential	-	3,353
Total	-	3,353

Table 2 – Summary of GSHI's 2006 Fully Effective Net Savings as Verified by SeeLine

Program	kW Savings	kWh Savings
Residential	73.15	664,859
Total	73.15	664,859

Table 3 – Summary of GSHI's 2007 Fully Effective Net Savings as Verified by SeeLine

Program	kW Savings	kWh Savings
Residential	13.50	52,110
Total	13.50	52,110

5.0 Conclusions

With the OPA now facilitating the majority of CDM funding in Ontario and third tranche program delivery complete, no further evaluation efforts or program enhancements are required. SeeLine concludes that the savings claims included in this review are in accordance with the Board's CDM Guidelines.

APPENDIX A – 2005 Detailed Program Results

2005 Third Tranche Program Results										
Program/Measure	Participants	Unit kW Assumption	Unit kWh Assumption	Equipment Life	Free Ridership	Total Annual Gross kW	Total Annual Gross kWh	Total Annual Net kW	Total Annual Net kWh	Source of Input Assumptions
Residential										
SLED Distribution										
Seasonal LED - 50% 5 WATT Christmas lights C-7 (25 lights)	253	0.000	13.95	5.0	5%	-	3,529	-	3,353	Updated OPA Measure List (as of April 06, 2011)
Total SLED Distribution Program						-	3,529	-	3,353	
Total Residential						-	3,529	-	3,353	
Total 2005 Savings (Third Tranche)						-	3,529	-	3,353	

APPENDIX B – 2006 Detailed Program Results

2006 Third Tranche Program Results

Program/Measure	Participants	Unit kW Assumption	Unit kWh Assumption	Equipment Life	Free Ridership	Total Annual Gross kW	Total Annual Gross kWh	Total Annual Net kW	Total Annual Net kWh	Source of Input Assumptions
Residential										
Science North LED Light Exchange:										
Seasonal LED - 5 WATT Christmas lights C-7 (25 lights)	66	0.000	13.95	5.0	10%	-	921	-	829	Updated OPA Measure List (as of April 06, 2011)
CFL Distribution										
CFL-13W (60W)	101	0.012	46.3	8.0	10%	1.21	4,678	1.09	4,210	Updated OPA Measure List (as of April 06, 2011)
Retailer (EKC) Program (Spring Campaign:)										OPA Report (issued Aug 13, 2010), Appendix E
CFL	4,325	0.001	46.3	8.0	10%	4.33	200,334	3.89	180,301	Updated OPA Measure List (as of April 06, 2011)
Ceiling Fan	94	0.0038	122.6	10.0	10%	0.36	11,523	0	10,370	Updated OPA Measure List (as of April 06, 2011)
Timer	86	n/a	n/a	n/a	10%	n/a	n/a	n/a	n/a	No equivalent OPA measure assumption.
Programmable Thermostat	48	0.176	2,151.0	11.0	10%	8.45	103,248	7.60	92,923	Updated OPA Measure List (as of April

06, 2011)

										06, 2011)
Retailer (EKC) Program (Fall Campaign:)						-	-	-	-	
Baseboard Programmable Thermostat	133	0.000	63.2	11.0	10%	-	8,399	-	7,559	Updated OPA Measure List (as of April 06, 2011)
CFLs	5,567	0.012	46.3	8.0	10%	66.80	257,863	60.12	232,077	Updated OPA Measure List (as of April 06, 2011)
Motion Sensors	75	0.000	159.4	10.0	10%	-	11,954	-	10,758	Updated OPA Measure List (as of April 06, 2011)
Programmable Thermostat - Space Cooling	511	n/a	n/a	n/a	10%	n/a	n/a	n/a	n/a	No equivalent OPA measure assumption.
LED Seasonal Lights	9,802	0.000	13.95	5.0	10%	-	136,738	-	123,064	Updated OPA Measure List (as of April 06, 2011)
Dimmer Switch	130	0.001	23.7	10.0	10%	0.13	3,075	0.12	2,767	Updated OPA Measure List (as of April 06, 2011)
Total Retailer (EKC) Program						80.06	733,133	72.06	659,820	
Total Residential						81.28	738,732	73.15	664,859	
Total 2006 Savings (Third Tranche)						81.28	738,732	73.15	664,859	

APPENDIX C – 2007 Detailed Program Results

2007 Third Tranche Program Results										
Program/Measure	Participants	Unit kW Assumption	Unit kWh Assumption	Equipment Life	Free Ridership	Total Annual Gross kW	Total Annual Gross kWh	Total Annual Net kW	Total Annual Net kWh	Source of Input Assumptions
Residential										
CFL Distribution										
CFL-13W (60W)	1,250	0.012	46.3	8.0	10%	15.00	57,900	13.50	52,110	Updated OPA Measure List (as of April 06, 2011)
Total 2007 Savings (Third Tranche)						15.00	57,900	13.50	52,110	

OPA Conservation & Demand Management Programs

Initiative Results at End-User Level

For: Greater Sudbury Hydro Inc.

Net Summer Peak Demand Savings (MW)

#	Initiative Name	Program Name	Program Year	Results Status		2006	2007	2008	2009	2010
1	Secondary Refrigerator Retirement Pilot	Consumer	2006	Final		0.0125	0.0125	0.0125	0.0125	0.0125
2	Cool & Hot Savings Rebate	Consumer	2006	Final	#	0.1263	0.1263	0.1263	0.1263	0.1263
3	Every Kilowatt Counts	Consumer	2006	Final	#	0.0417	0.0417	0.0417	0.0417	0.0417
4	Demand Response 1	Business, Industrial	2006	Final	#	1.8193	0.0000	0.0000	0.0000	0.0000
5	Loblaw & York Region Demand Response	Business, Industrial	2006	Final	#	0.0890	0.0000	0.0000	0.0000	0.0000
6	Great Refrigerator Roundup	Consumer	2007	Final	#	0.0000	0.0127	0.0127	0.0127	0.0127
7	Cool & Hot Savings Rebate	Consumer	2007	Final	#	0.0000	0.1438	0.1438	0.1438	0.1438
8	Every Kilowatt Counts	Consumer	2007	Final	#	0.0000	0.0500	0.0453	0.0453	0.0453
9	peaksaver®	Consumer, Business	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
10	Summer Savings	Consumer	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
11	Aboriginal	Consumer	2007	Final	#	0.0000	0.0157	0.0157	0.0157	0.0157
12	Affordable Housing Pilot	Consumer Low-Income	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
13	Social Housing Pilot	Consumer Low-Income	2007	Final	#	0.0000	0.0138	0.0138	0.0138	0.0138
14	Energy Efficiency Assistance for Houses Pilot	Consumer Low-Income	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
15	Electricity Retrofit Incentive	Business	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
16	Toronto Comprehensive	Business	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
17	Demand Response 1	Business, Industrial	2007	Final	#	0.0000	2.0896	0.0000	0.0000	0.0000
18	Loblaw & York Region Demand Response	Business, Industrial	2007	Final	#	0.0000	0.1738	0.0000	0.0000	0.0000
19	Renewable Energy Standard Offer	Consumer, Business, Industrial	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
20	Great Refrigerator Roundup	Consumer	2008	Final	#	0.0000	0.0000	0.0195	0.0195	0.0195
21	Cool Savings Rebate	Consumer	2008	Final	#	0.0000	0.0000	0.1499	0.1499	0.1499
22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	#	0.0000	0.0000	0.0655	0.0626	0.0626
23	peaksaver®	Consumer, Business	2008	Final	#	0.0000	0.0000	0.0584	0.0584	0.0584
24	Summer Sweepstakes	Consumer	2008	Final	#	0.0000	0.0000	0.0311	0.0178	0.0178
25	Electricity Retrofit Incentive	Consumer, Business	2008	Final	#	0.0000	0.0000	0.1932	0.1932	0.1932
26	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
27	High Performance New Construction	Business	2008	Final	#	0.0000	0.0000	0.0023	0.0023	0.0023
28	Power Savings Blitz	Business	2008	Final	#	0.0000	0.0000	0.0075	0.0075	0.0064
29	Demand Response 1	Business, Industrial	2008	Final	#	0.0000	0.0000	2.9695	0.0000	0.0000
30	Demand Response 3	Business, Industrial	2008	Final	#	0.0000	0.0000	0.5742	0.0000	0.0000
31	Loblaw & York Region Demand Response	Business, Industrial	2008	Final	#	0.0000	0.0000	0.1973	0.0000	0.0000
32	Renewable Energy Standard Offer	Consumer, Business	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
33	Other Customer Based Generation	Business	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
34	LDC Custom - Hydro One Networks Inc. - Double Return	Business, Industrial	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
35	Great Refrigerator Roundup	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0344	0.0344
36	Cool Savings Rebate	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.1977	0.1977
37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0529	0.0520
38	peaksaver®	Consumer, Business	2009	Final	#	0.0000	0.0000	0.0000	0.1456	0.1456
39	Electricity Retrofit Incentive	Consumer, Business	2009	Final	#	0.0000	0.0000	0.0000	0.4004	0.4004
40	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
41	High Performance New Construction	Business	2009	Final	#	0.0000	0.0000	0.0000	0.0268	0.0268
42	Power Savings Blitz	Business	2009	Final	#	0.0000	0.0000	0.0000	0.1696	0.1696
43	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
44	Demand Response 1	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	1.2082	0.0000
45	Demand Response 2	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	0.8204	0.0000
46	Demand Response 3	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	1.1720	0.0000
47	Loblaw & York Region Demand Response	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	0.2014	0.0000
48	LDC Custom - Thunder Bay Hydro - Phantom Load	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
49	LDC Custom - Toronto Hydro - Summer Challenge	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
50	LDC Custom - PowerStream - Data Centers	Business	2009	Final		0.0000	0.0000	0.0000	0.0000	0.0000
51	Toronto Comprehensive Adjustment	Consumer, Business	2008	Final		0.0000	0.0000	0.0000	0.0000	0.0000
52	LDC Custom - Hydro One Networks Inc. - Double Return Adjustment	Business, Industrial	2008	Final		0.0000	0.0000	0.0000	0.0000	0.0000
2006 Subtotal						2.0889	0.1805	0.1805	0.1805	0.1805
2007 Subtotal						0.0000	2.4994	0.2312	0.2312	0.2312
2008 Subtotal						0.0000	0.0000	4.2683	0.5111	0.5100
2009 Subtotal						0.0000	0.0000	0.0000	4.4293	1.0265
Overall Total						2.0889	2.6799	4.6800	5.3521	1.9483

OPA Conservation & Demand Management Programs

Initiative Results at End-User Level

For: Greater Sudbury Hydro Inc.

Net Energy Savings (MWh)

#	Initiative Name	Program Name	Program Year	Results Status		2006	2007	2008	2009	2010
1	Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	#	55	55	55	55	55
2	Cool & Hot Savings Rebate	Consumer	2006	Final	#	136	136	136	136	136
3	Every Kilowatt Counts	Consumer	2006	Final	#	3,535	3,535	3,535	3,535	456
4	Demand Response 1	Business, Industrial	2006	Final	#	0	0	0	0	0
5	Loblaw & York Region Demand Response	Business, Industrial	2006	Final	#	0	0	0	0	0
6	Great Refrigerator Roundup	Consumer	2007	Final	#	0	104	104	104	104
7	Cool & Hot Savings Rebate	Consumer	2007	Final	#	0	215	215	215	215
8	Every Kilowatt Counts	Consumer	2007	Final	#	0	1,292	1,276	1,276	1,276
9	<i>peaksaver</i> ®	Consumer, Business	2007	Final	#	0	0	0	0	0
10	Summer Savings	Consumer	2007	Final	#	0	0	0	0	0
11	Aboriginal	Consumer	2007	Final	#	0	328	328	328	328
12	Affordable Housing Pilot	Consumer Low-Income	2007	Final	#	0	0	0	0	0
13	Social Housing Pilot	Consumer Low-Income	2007	Final	#	0	117	117	117	117
14	Energy Efficiency Assistance for Houses Pilot	Consumer Low-Income	2007	Final	#	0	0	0	0	0
15	Electricity Retrofit Incentive	Business	2007	Final	#	0	0	0	0	0
16	Toronto Comprehensive	Business	2007	Final	#	0	0	0	0	0
17	Demand Response 1	Business, Industrial	2007	Final	#	0	0	0	0	0
18	Loblaw & York Region Demand Response	Business, Industrial	2007	Final	#	0	0	0	0	0
19	Renewable Energy Standard Offer	Consumer, Business, Industrial	2007	Final	#	0	0	0	0	0
20	Great Refrigerator Roundup	Consumer	2008	Final	#	0	0	184	184	184
21	Cool Savings Rebate	Consumer	2008	Final	#	0	0	237	237	237
22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	#	0	0	1,201	1,196	1,196
23	<i>peaksaver</i> ®	Consumer, Business	2008	Final	#	0	0	1	1	1
24	Summer Sweepstakes	Consumer	2008	Final	#	0	0	123	44	44
25	Electricity Retrofit Incentive	Consumer, Business	2008	Final	#	0	0	1,030	1,030	1,030
26	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2008	Final	#	0	0	0	0	0
27	High Performance New Construction	Business	2008	Final	#	0	0	2	2	2
28	Power Savings Blitz	Business	2008	Final	#	0	0	54	54	46
29	Demand Response 1	Business, Industrial	2008	Final	#	0	0	0	0	0
30	Demand Response 3	Business, Industrial	2008	Final	#	0	0	0	0	0
31	Loblaw & York Region Demand Response	Business, Industrial	2008	Final	#	0	0	0	0	0
32	Renewable Energy Standard Offer	Consumer, Business	2008	Final	#	0	0	0	0	0
33	Other Customer Based Generation	Business	2008	Final	#	0	0	0	0	0
34	LDC Custom - Hydro One Networks Inc. - Double Return	Business, Industrial	2008	Final	#	0	0	0	0	0
35	Great Refrigerator Roundup	Consumer	2009	Final	#	0	0	0	233	233
36	Cool Savings Rebate	Consumer	2009	Final	#	0	0	0	300	300
37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	#	0	0	0	522	500
38	<i>peaksaver</i> ®	Consumer, Business	2009	Final	#	0	0	0	0	0
39	Electricity Retrofit Incentive	Consumer, Business	2009	Final	#	0	0	0	3,272	3,272
40	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2009	Final	#	0	0	0	0	0
41	High Performance New Construction	Business	2009	Final	#	0	0	0	61	61
42	Power Savings Blitz	Business	2009	Final	#	0	0	0	662	662
43	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2009	Final	#	0	0	0	0	0
44	Demand Response 1	Business, Industrial	2009	Final	#	0	0	0	53	0
45	Demand Response 2	Business, Industrial	2009	Final	#	0	0	0	505	0
46	Demand Response 3	Business, Industrial	2009	Final	#	0	0	0	10	0
47	Loblaw & York Region Demand Response	Business, Industrial	2009	Final	#	0	0	0	0	0
48	LDC Custom - Thunder Bay Hydro - Phantom Load	Consumer	2009	Final	#	0	0	0	0	0
49	LDC Custom - Toronto Hydro - Summer Challenge	Consumer	2009	Final	#	0	0	0	0	0
50	LDC Custom - PowerStream - Data Centers	Business	2009	Final	#	0	0	0	0	0
51	Toronto Comprehensive Adjustment	Consumer, Business	2008	Final		0	0	0	0	0
52	LDC Custom - Hydro One Networks Inc. - Double Return Adjustment	Business, Industrial	2008	Final		0	0	0	0	0
2006 Subtotal						3,727	3,727	3,727	3,727	647
2007 Subtotal						0	2,056	2,040	2,040	2,040
2008 Subtotal						0	0	2,832	2,748	2,740
2009 Subtotal						0	0	0	5,618	5,028
Overall Total						3,727	5,783	8,599	14,133	10,456

OPA Conservation & Demand Management Programs

Initiative Results at End-User Level

For: Greater Sudbury Hydro Inc.

Gross Summer Peak Demand Savings (MW)

#	Initiative Name	Program Name	Program Year	Results Status		2006	2007	2008	2009	2010
1	Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	#	0.0139	0.0139	0.0139	0.0139	0.0139
2	Cool & Hot Savings Rebate	Consumer	2006	Final	#	0.1535	0.1535	0.1535	0.1535	0.1535
3	Every Kilowatt Counts	Consumer	2006	Final	#	0.0463	0.0463	0.0463	0.0463	0.0463
4	Demand Response 1	Business, Industrial	2006	Final	#	1.8193	0.0000	0.0000	0.0000	0.0000
5	Loblaw & York Region Demand Response	Business, Industrial	2006	Final	#	0.0890	0.0000	0.0000	0.0000	0.0000
6	Great Refrigerator Roundup	Consumer	2007	Final	#	0.0000	0.0312	0.0312	0.0312	0.0312
7	Cool & Hot Savings Rebate	Consumer	2007	Final	#	0.0000	0.3018	0.3018	0.3018	0.3018
8	Every Kilowatt Counts	Consumer	2007	Final	#	0.0000	0.0724	0.0639	0.0639	0.0639
9	<i>peaksaver</i> ®	Consumer, Business	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
10	Summer Savings	Consumer	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
11	Aboriginal	Consumer	2007	Final	#	0.0000	0.0157	0.0157	0.0157	0.0157
12	Affordable Housing Pilot	Consumer Low-Income	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
13	Social Housing Pilot	Consumer Low-Income	2007	Final	#	0.0000	0.0138	0.0138	0.0138	0.0138
14	Energy Efficiency Assistance for Houses Pilot	Consumer Low-Income	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
15	Electricity Retrofit Incentive	Business	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
16	Toronto Comprehensive	Business	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
17	Demand Response 1	Business, Industrial	2007	Final	#	0.0000	2.0896	0.0000	0.0000	0.0000
18	Loblaw & York Region Demand Response	Business, Industrial	2007	Final	#	0.0000	0.1738	0.0000	0.0000	0.0000
19	Renewable Energy Standard Offer	Consumer, Business, Industrial	2007	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
20	Great Refrigerator Roundup	Consumer	2008	Final	#	0.0000	0.0000	0.0361	0.0361	0.0361
21	Cool Savings Rebate	Consumer	2008	Final	#	0.0000	0.0000	0.2602	0.2602	0.2602
22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	#	0.0000	0.0000	0.1569	0.1486	0.1486
23	<i>peaksaver</i> ®	Consumer, Business	2008	Final	#	0.0000	0.0000	0.0649	0.0649	0.0649
24	Summer Sweepstakes	Consumer	2008	Final	#	0.0000	0.0000	0.0401	0.0230	0.0230
25	Electricity Retrofit Incentive	Consumer, Business	2008	Final	#	0.0000	0.0000	0.3345	0.3345	0.3345
26	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
27	High Performance New Construction	Business	2008	Final	#	0.0000	0.0000	0.0033	0.0033	0.0033
28	Power Savings Blitz	Business	2008	Final	#	0.0000	0.0000	0.0080	0.0080	0.0069
29	Demand Response 1	Business, Industrial	2008	Final	#	0.0000	0.0000	2.9695	0.0000	0.0000
30	Demand Response 3	Business, Industrial	2008	Final	#	0.0000	0.0000	0.5742	0.0000	0.0000
31	Loblaw & York Region Demand Response	Business, Industrial	2008	Final	#	0.0000	0.0000	0.1973	0.0000	0.0000
32	Renewable Energy Standard Offer	Consumer, Business	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
33	Other Customer Based Generation	Business	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
34	LDC Custom - Hydro One Networks Inc. - Double Return	Business, Industrial	2008	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
35	Great Refrigerator Roundup	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0663	0.0663
36	Cool Savings Rebate	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.4523	0.4523
37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.1444	0.1385
38	<i>peaksaver</i> ®	Consumer, Business	2009	Final	#	0.0000	0.0000	0.0000	0.1617	0.1617
39	Electricity Retrofit Incentive	Consumer, Business	2009	Final	#	0.0000	0.0000	0.0000	0.5842	0.5842
40	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
41	High Performance New Construction	Business	2009	Final	#	0.0000	0.0000	0.0000	0.0382	0.0382
42	Power Savings Blitz	Business	2009	Final	#	0.0000	0.0000	0.0000	0.1785	0.1785
43	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
44	Demand Response 1	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	1.2082	0.0000
45	Demand Response 2	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	0.8204	0.0000
46	Demand Response 3	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	1.1720	0.0000
47	Loblaw & York Region Demand Response	Business, Industrial	2009	Final	#	0.0000	0.0000	0.0000	0.2014	0.0000
48	LDC Custom - Thunder Bay Hydro - Phantom Load	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
49	LDC Custom - Toronto Hydro - Summer Challenge	Consumer	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
50	LDC Custom - PowerStream - Data Centers	Business	2009	Final	#	0.0000	0.0000	0.0000	0.0000	0.0000
51	Toronto Comprehensive Adjustment	Consumer, Business	2008	Final		0.0000	0.0000	0.0000	0.0000	0.0000
52	LDC Custom - Hydro One Networks Inc. - Double Return Adjustment	Business, Industrial	2008	Final		0.0000	0.0000	0.0000	0.0000	0.0000
2006 Subtotal						2.1221	0.2138	0.2138	0.2138	0.2138
2007 Subtotal						0.0000	2.6983	0.4263	0.4263	0.4263
2008 Subtotal						0.0000	0.0000	4.6449	0.8785	0.8773
2009 Subtotal						0.0000	0.0000	0.0000	5.0276	1.6198
Overall Total						2.1221	2.9120	5.2849	6.5461	3.1372

OPA Conservation & Demand Management Programs

Initiative Results at End-User Level

For: Greater Sudbury Hydro Inc.

Gross Energy Savings (MWh)

#	Initiative Name	Program Name	Program Year	Results Status		2006	2007	2008	2009	2010
1	Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	#	61	61	61	61	61
2	Cool & Hot Savings Rebate	Consumer	2006	Final	#	173	173	173	173	173
3	Every Kilowatt Counts	Consumer	2006	Final	#	3,928	3,928	3,928	3,928	506
4	Demand Response 1	Business, Industrial	2006	Final	#	0	0	0	0	0
5	Loblaw & York Region Demand Response	Business, Industrial	2006	Final	#	0	0	0	0	0
6	Great Refrigerator Roundup	Consumer	2007	Final	#	0	258	258	258	258
7	Cool & Hot Savings Rebate	Consumer	2007	Final	#	0	423	423	423	423
8	Every Kilowatt Counts	Consumer	2007	Final	#	0	1,762	1,733	1,733	1,733
9	peaksaver®	Consumer, Business	2007	Final	#	0	0	0	0	0
10	Summer Savings	Consumer	2007	Final	#	0	0	0	0	0
11	Aboriginal	Consumer	2007	Final	#	0	328	328	328	328
12	Affordable Housing Pilot	Consumer Low-Income	2007	Final	#	0	0	0	0	0
13	Social Housing Pilot	Consumer Low-Income	2007	Final	#	0	117	117	117	117
14	Energy Efficiency Assistance for Houses Pilot	Consumer Low-Income	2007	Final	#	0	0	0	0	0
15	Electricity Retrofit Incentive	Business	2007	Final	#	0	0	0	0	0
16	Toronto Comprehensive	Business	2007	Final	#	0	0	0	0	0
17	Demand Response 1	Business, Industrial	2007	Final	#	0	0	0	0	0
18	Loblaw & York Region Demand Response	Business, Industrial	2007	Final	#	0	0	0	0	0
19	Renewable Energy Standard Offer	Consumer, Business, Industrial	2007	Final	#	0	0	0	0	0
20	Great Refrigerator Roundup	Consumer	2008	Final	#	0	0	338	338	338
21	Cool Savings Rebate	Consumer	2008	Final	#	0	0	412	412	412
22	Every Kilowatt Counts Power Savings Event	Consumer	2008	Final	#	0	0	2,979	2,964	2,964
23	peaksaver®	Consumer, Business	2008	Final	#	0	0	1	1	1
24	Summer Sweepstakes	Consumer	2008	Final	#	0	0	158	57	57
25	Electricity Retrofit Incentive	Consumer, Business	2008	Final	#	0	0	1,818	1,818	1,818
26	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2008	Final	#	0	0	0	0	0
27	High Performance New Construction	Business	2008	Final	#	0	0	3	3	3
28	Power Savings Blitz	Business	2008	Final	#	0	0	58	58	50
29	Demand Response 1	Business, Industrial	2008	Final	#	0	0	0	0	0
30	Demand Response 3	Business, Industrial	2008	Final	#	0	0	0	0	0
31	Loblaw & York Region Demand Response	Business, Industrial	2008	Final	#	0	0	0	0	0
32	Renewable Energy Standard Offer	Consumer, Business	2008	Final	#	0	0	0	0	0
33	Other Customer Based Generation	Business	2008	Final	#	0	0	0	0	0
34	LDC Custom - Hydro One Networks Inc. - Double Return	Business, Industrial	2008	Final	#	0	0	0	0	0
35	Great Refrigerator Roundup	Consumer	2009	Final	#	0	0	0	436	436
36	Cool Savings Rebate	Consumer	2009	Final	#	0	0	0	703	703
37	Every Kilowatt Counts Power Savings Event	Consumer	2009	Final	#	0	0	0	1,423	1,287
38	peaksaver®	Consumer, Business	2009	Final	#	0	0	0	0	0
39	Electricity Retrofit Incentive	Consumer, Business	2009	Final	#	0	0	0	4,615	4,615
40	Toronto Comprehensive	Consumer, Consumer Low-Income, Business	2009	Final	#	0	0	0	0	0
41	High Performance New Construction	Business	2009	Final	#	0	0	0	87	87
42	Power Savings Blitz	Business	2009	Final	#	0	0	0	697	697
43	Multi-Family Energy Efficiency Rebates	Consumer, Consumer Low-Income	2009	Final	#	0	0	0	0	0
44	Demand Response 1	Business, Industrial	2009	Final	#	0	0	0	53	0
45	Demand Response 2	Business, Industrial	2009	Final	#	0	0	0	505	0
46	Demand Response 3	Business, Industrial	2009	Final	#	0	0	0	10	0
47	Loblaw & York Region Demand Response	Business, Industrial	2009	Final	#	0	0	0	0	0
48	LDC Custom - Thunder Bay Hydro - Phantom Load	Consumer	2009	Final	#	0	0	0	0	0
49	LDC Custom - Toronto Hydro - Summer Challenge	Consumer	2009	Final	#	0	0	0	0	0
50	LDC Custom - PowerStream - Data Centers	Business	2009	Final	#	0	0	0	0	0
51	Toronto Comprehensive Adjustment	Consumer, Business	2008	Final		0	0	0	0	0
52	LDC Custom - Hydro One Networks Inc. - Double Return Adjustment	Business, Industrial	2008	Final		0	0	0	0	0
2006 Subtotal						4,162	4,162	4,162	4,162	740
2007 Subtotal						0	2,888	2,859	2,859	2,859
2008 Subtotal						0	0	5,767	5,651	5,642
2009 Subtotal						0	0	0	8,529	7,825
Overall Total						4,162	7,050	12,788	21,201	17,067

2010 Final CDM Results: Summary

LDC: Greater Sudbury Hydro Inc.

This report provides an estimated allocation of 2010 OPA-funded conservation and demand management (CDM) program results for each LDC’s service territory. A full, detailed report will be available in late September/early October.

The results provided in this report are in accordance with OPA practices and policies for reporting. Demand Response initiatives, for example, have been reported based on the total DR resources that were available (based on contracted nameplate capacity) rather than the actual demand reduction which occurred at the one-hour system peak in a given year.

The OPA welcomes inquiries regarding the determination of these province-wide CDM program results and/or allocation of these results to individual LDC territories. Please direct any questions to ldc.support@powerauthority.on.ca. The OPA is unable to provide any technical or regulatory advice to LDCs regarding specific treatment of these OPA-funded CDM program savings for the purposes of Lost Revenue Adjustment Mechanism or other filings by LDCs to the OEB. Such inquiries should be directed to the OEB.

All results are incremental savings in 2010 presented at the end-user level

Program	Initiative	Activity Unit	Greater Sudbury Hydro Inc.					Province-Wide				
			Activity Level	Net Summer Peak Demand Savings (MW)	Net Energy Savings (MWh)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	Activity Level	Net Summer Peak Demand Savings (MW)	Net Energy Savings (MWh)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)
Consumer	Cool Savings Rebate	Rebates	851	0.12	197	0.28	474	136,626	20.22	31,117	46.01	72,821
Consumer	Every Kilowatt Counts Power Savings Event	Products purchased	5,951	0.02	185	0.04	401	613,248	1.70	19,100	4.00	41,300
Consumer	Great Refrigerator Roundup	Appliances	551	0.05	326	0.09	609	67,822	5.96	39,290	11.64	73,912
Consumer	peaksaver®	Devices installed	87	0.05	0	0.05	0	36,507	20.44	81	22.49	89
Business	Toronto Comprehensive	Projects	0	0.00	0	0.00	0	730	17.70	114,600	37.50	281,200
Business	Electricity Retrofit Incentive Program	Projects	7	0.09	522	0.18	1030	1,532	19.80	111,740	37.82	220,230
Business	High Performance New Construction*	Projects	2	0.09	201	0.13	287	288	12.91	29,433	18.44	42,048
Business	Hydro Ottawa peaksaver® Small Commercial Pilot	Devices installed	0	0.00	0	0.00	0	939	0.80	2,500	0.88	2,750
Business	Multifamily Energy Efficiency Rebates	Projects	2	0.01	117	0.01	159	970	4.55	53,700	5.95	72,900
Business	peaksaver®	Devices installed	0	0.00	0	0.00	0	243	0.09	2	0.17	2
Business	Power Savings Blitz	Projects	149	0.13	400	0.13	401	48,274	42.20	129,200	42.60	129,500
Business, Industrial	Demand Response 3	Facilities	2	1.72	34	1.72	34	246	251.70	4,932	251.70	4,932
Business, Industrial	Loblaw & York Region Demand Response*	Facilities	0	0.20	0	0.20	0	2	29.21	0	29.21	0
Industrial	Demand Response 2	Facilities	0	0.81	949	0.81	949	3	119.00	139,100	119.00	139,100
Total				3.3	2,931	3.6	4,343		546.3	674,795	627.4	1,080,783

Program	Initiative	Allocation Methodology	Notes
Consumer	Cool Savings Rebate	Actual LDC specific results	
Consumer	Every Kilowatt Counts Power Savings Event	Measure level allocation based on 2010 Residential Energy Throughput	
Consumer	Great Refrigerator Roundup	Actual LDC specific results	
Consumer	peaksaver®	Actual LDC specific results	
Business	Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Ltd. service territory	
Business	Electricity Retrofit Incentive Program	LDC’s respective proportion of province-wide reported gross demand savings.	
Business	High Performance New Construction	Initiative level allocation based on 2010 non-residential energy throughput by LDCs	Evaluation not yet complete; Updates expected in October/November
Business	Hydro Ottawa peaksaver® Small Commercial Pilot	Program run exclusively in Hydro Ottawa service territory	
Business	Multifamily Energy Efficiency Rebates	LDC’s respective proportion of province-wide reported gross demand savings.	
Business	peaksaver®	Actual LDC specific results	
Business	Power Savings Blitz	LDC’s respective proportion of province-wide reported gross demand savings.	
Industrial	Demand Response 2	Initiative level allocation based on 2010 non-residential energy throughput by LDCs	1) Although the program is managed internally and actual participant data is available, the small participant population can lead to participant confidentiality issues if disclosed on an actual LDC share basis. 2) Program results are based on contracted nameplate capacity at the end of the calendar year and not actual summer coincident peak demand reduction.
Business, Industrial	Demand Response 3	Initiative level allocation based on 2010 non-residential energy throughput by LDCs	
Business, Industrial	Loblaw & York Region Demand Response*	Initiative level allocation based on 2010 non-residential energy throughput by LDCs	

* Initiative is not evaluated

Greater Sudbury Hydro Inc
Annual Distribution Rates and Average Variable Rates -

Residential
800 kWh Customer
0 - KW

Consumption	800 kWh	0 kWh	Loss Factor	1.0559 kW	Loss Factor	1.0527 kWh	Loss Factor	1.0527
2007 BILL			2008 BILL			2009 BILL		
Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$
1	14.86	\$ 14.86	1	14.80	\$ 14.80	1	16.32	\$ 16.32
800	0.0114	\$ 9.12	800	0.0114	\$ 9.12	800	0.0126	\$ 10.08
		\$ 23.98			\$ 23.92			\$ 26.40

GS < 50 kW
2000 kWh Customer
0 - KW

Consumption	800 kWh	0 kWh	Loss Factor	1.0559 kW	Loss Factor	1.0527 kWh	Loss Factor	1.0527
2007 BILL			2008 BILL			2009 BILL		
Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$
1	21.51	\$ 21.51	1	21.42	\$ 21.42	1	16.32	\$ 16.32
2000	0.0183	\$ 36.60	2000	0.0182	\$ 36.40	2000	0.0192	\$ 38.40
		\$ 58.11			\$ 57.82			\$ 54.72

GS > 50 kW
2000000 kWh Customer
100 - KW

Consumption	800 kWh	0 kWh	Loss Factor	1.0559 kW	Loss Factor	1.0527 kWh	Loss Factor	1.0527
2007 BILL			2008 BILL			2009 BILL		
Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$
1	179.68	\$ 179.68	1	178.96	\$ 178.96	1	169.13	\$ 169.13
100	4.6416	\$ 464.16	100	4.62335	\$ 462.34	100	4.3717	\$ 437.17
		\$ 643.84			\$ 641.30			\$ 606.30

Streetlighting
2000000 kWh Customer
2009 - KW

Consumption	800 kWh	0 kWh	Loss Factor	1.0559 kW	Loss Factor	1.0527 kWh	Loss Factor	1.0527
2007 BILL			2008 BILL			2009 BILL		
Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$	Volume	Rate \$	Charge \$
8692	0.23	\$ 1,999.16	8692	0.23	\$ 1,999.16	8692	2.09	\$ 18,166.28
2009	0.7988	\$ 1,604.79	2009	0.79566	\$ 1,598.48	2009	7.006	\$ 14,075.05
		\$ 3,603.95			\$ 3,597.64			\$ 32,241.33

Notes: Average rates are calculated based on effective rate change dates.
2008/05/01 rate change 4 months of 2007 rates and 8 months of 2008 rates
2009/07/01 rate change 6 months of 2008 rates and 6 months of 2009 rates
2010/08/01 rate change 8 months of 2009 rates and 4 months of 2010 rates

In the 20091201 Decision and Order, the Board approved 2010/05/01 interim rates due to the timing of the order and the fact we had integration of rates for Greater Sudbury and West Nipissing Energy Services customers.
Rates above do not reflect the May 1 - July 31st rate in 2010 as the impact is negligible.
Rates only reflect the Greater Sudbury rates for the three years.

Avg Variable Rate

2008 2009 2010 R

0.0114 0.012000 0.012475

0.018233 0.018700 0.018992

4.629433 4.497525 4.367950

0.796707 3.900830 7.608708

2012 IRM3
EB-2011-169
Greater Sudbury Hydro Inc
LRAM recovery

Rate Class	LRAM by Rate Class	Billed kWh	Billed kW	Distribution Volumetric Rate kWh Rate Rider	Distribution Volumetric Rate kW Rate Rider
		D	E	F = C / D	G = C / E
Residential	\$ 201,611	411,365,208	0	0.0005	
General Service Less Than 50 kW	\$ 36,578	142,022,495	0	0.0003	
General Service 50 to 4,999 kW	\$ 89,897	411,264,889	1,012,838		0.0888
Unmetered Scattered Load		2,223,118	0		
Sentinel Lighting		567,330	1,453		
Street Lighting		8,681,572	23,889		
	\$328,086				
LRAM recovery	\$ 328,086	by specific rate class			
# years	1				
per year request	\$ 328,086				

** This rate class was for West Nipissing customers from the 2009 rate application. They have now rolled into our GS>50 class of customer.
Usage for the two GS>50 classes (Greater Sudbury and West Nipissing) has been combined
"Billed kWh" and "billed kW" are from the 2009 Cost of Service Application for Greater Sudbury Hydro Inc
Revenues by class are from the 2011 IRM3 application

Greater Sudbury Hydro Inc.
Community Energy Storage
Smart Grid Fund - Demonstration Project



September 26, 2011

The S&C - Greater Sudbury Hydro Smart Grid Demonstration Project

Section 1 – Background

Early in 2011 the Minister of Energy, the Rt. Hon. Brad Duguid, announced the establishment of a \$50 million Smart Grid Fund and requested proponents to submit applications through the Ministry of Energy. “The Smart Grid Fund (SGF) will help accelerate the growth of Ontario’s smart grid industry through targeted financial support for projects that advance the development of the smart grid in Ontario and provide economic development opportunities, including the creation of new jobs. The SGF complements Ontario’s proactive smart grid policy and supports existing government priorities”¹ Application could only be made by eligible Ontario or Canadian organizations, which included;

- “Business organizations including, but not limited to manufacturers, software providers, communication and information service providers;
- Regional or municipal government agencies; and
- Non-governmental organizations”²

Fund guidelines specifically prohibited applications by “Electricity utilities”³.

Section 4.2 of the SGF Guideline describes Demonstration Projects as “Working with electricity utilities (Local Distribution Companies, transmitter(s), or grid operators(s)), demonstration projects will advance the development and design of pilot-scale prototypes, facilitate identification of risks, opportunities and costs associated with integrating the technology with the existing Ontario electricity system, as well as, identification of risks, opportunities and costs associated with adapting the smart grid as it develops and be scalable to align with Ontario policy goals”⁴.

Section 5.1.1 of the SGF Guideline provides examples of eligible projects and specifically mentions “Microgrid integration and management technologies”. In mid-May 2011 Greater Sudbury Hydro Inc. (GSHI) was approached by S&C Electric and asked if we would be willing to host a CES (Community Energy Storage) demonstration project. CES is a microgrid technology.

GSHI has accepted with the following condition;

“...Greater Sudbury Hydro cannot commit to fully participate in this project unless and until the Ontario Energy Board approves a rate rider, funding adder or recovery through the provincial

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- 1- Smart Grid Fund Guidelines – MOE – Section 2 preamble - page 2
 - 2- Smart Grid Fund Guidelines – MOE – Section 3.1 - page 3
 - 3- Smart Grid Fund Guidelines – MOE – Section 3.2 - page 3
 - 4- Smart Grid Fund Guidelines – MOE – Section 4.2 - page 4

cost recovery mechanism set out in section 79.1 of the OEB act for all incremental costs associated with this project... an LDC the size of Greater Sudbury Hydro cannot absorb the estimated \$1.1 million (SGF) non-eligible construction cost within our existing rate structure... Therefore Greater Sudbury Hydro reserves the right to terminate participation within thirty (30) days of the issuance of an Ontario Energy Board rate decision order affecting GSHI's rate revenues.”⁵

In its application to the Ministry, S&C describes the project as:

“The project will use a Smart Grid solution to (i) create a Micro Grid at the transformer district level, (ii) create a Microgrid at the line section level (iii) maximize feeder efficiency by charging and discharging the battery storage appropriately and (iv) permit high penetrations of FiT and /or Micro-FIT (Under 10KW Feed-in-Tariff program) DG (distributed generation) by feeder volt/var management. The solution utilizes 25KW CES units connected to distribution transformers on their secondary side. The CES units will be connected to a feeder or feeders which will have multiple DG locations. An S&C Electric HUB controller will provide communications and automation such that the utility can determine when electricity is stored and used at the optimum time for their distribution feeder and evaluate the value of voltage control at utilization voltages. Sudbury Hydro will be able to remotely reconfigure any or all of the CES units over the communication link. The project will demonstrate how the Smart Grid can improve the flexibility, reliability and efficiency of the distribution electrical system (DES) in a secure and safe manner.”⁶

Greater Sudbury Hydro Inc. is **extremely** supportive of this microgrid demonstration project, but cannot accept the financial risk.

Section 2.0 -- The Technology

The S&C Purewave® CES Community Energy Storage unit, as deployed by American Electric Power (AEP) in Ohio⁷, is a lithium-ion-based battery system that provides 25 to 75 kwh of stored energy to a 120/240 volt secondary bus (see Figure 1 below) with a maximum demand of 25 kVA (active and reactive power). The battery unit is stored underground and the above ground portion of the Purewave® CES looks like a typical, green minipad transformer found in subdivisions throughout Sudbury and the rest of Ontario.

5- July 19, 2011 – Letter of Support for S&C Smart Grid Fund Initiative – Phase II – GSHI to S&C

6- Section 2.1- Project Overview: Project Summary - S&C SGF application – Phase I

7- Electric Energy ONLINE.com – News Release – September 15, 2011- AEP Ohio Debuts First Lithium-Ion-Based Community Energy Storage (CES) System in the World.

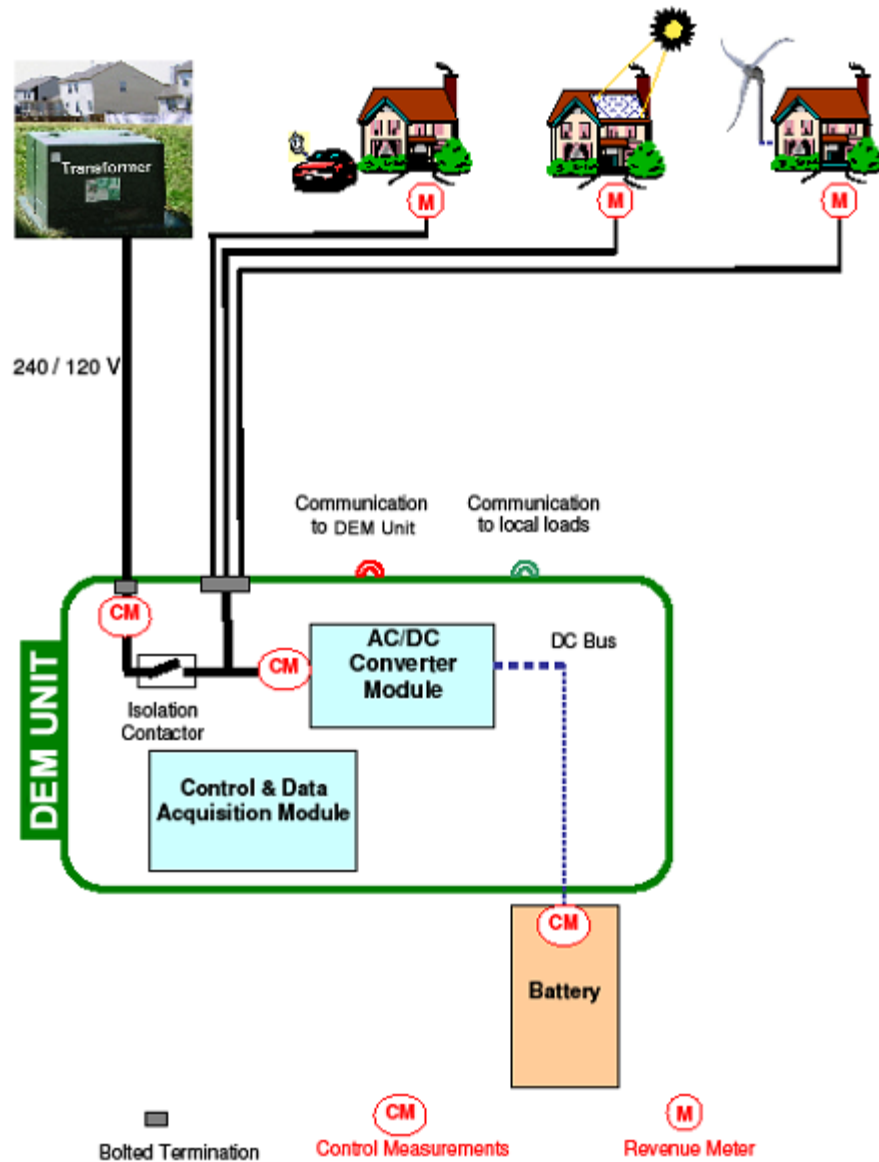


Figure 1: A typical Purewave® CES connection in the AEP Ohio demonstration project.

The Greater Sudbury Hydro Smart Grid Demonstration project will use the S&C Purewave® CES Community Energy Storage unit, as deployed by American Electric Power (AEP) in Ohio⁷, and a slightly different configuration, built for three phase commercial/industrial applications operating at 600/347 volts and 120/208 volts.

8- Electric Energy ONLINE.com – News Release – September 15, 2011- AEP Ohio Debuts First Lithium-Ion-Based Community Energy Storage (CES) System in the World.

Deployment of the IntelliTeam® VV Volt-Var Optimization System will be considered as part of the demonstration. Normally, the IntelliTeam® VV system maintains optimal voltage and power factor control by manipulating existing capacitor banks and voltage regulators. In the demonstration project, it may be desirable to have the IntelliTeam® VV system control the output power factor of inverters associated with the Purewave® CES Community Energy Storage units, in addition to the existing station bus voltage regulators and any new regulator(s) and/or capacitor bank(s) that may be required on the feeder(s).

The S&C IntelliTeam® DEM (Distributed Energy Management) unit communicates with an S&C HUB Controller over the S&C proprietary IntelliCom™ Smart Grid Communication System; a high-capacity, self-healing wireless mesh network. The S&C communication system provides scalability, mobility and security for the IntelliTeam® System, distribution automation, and SCADA applications.

The mesh network is self-forming and self-healing in both the fixed and mobile infrastructures. Multiple auto-sensing Ethernet ports on each IntelliCom™ WAN Mesh Node create a virtual Ethernet switch, providing direct connectivity for devices such as video surveillance cameras, and WiFi access points, forming a high performance multi-service infrastructure.

Section 2.1 – Where Will the Technology be Deployed?

Greater Sudbury Hydro proposes to deploy the CES units on the 4.16 kV Centennial MS 14F2 feeder and the 12.48 kV Long Lake MS 20F1 feeder.

The Centennial MS 14F2 feeder feeds a mixed load of industrial, commercial and residential customers. The 14F2 has a high penetration of distributed, inverter based, renewable generation. One definition of “high penetration” would relate to the point at which the anti-islanding feature specified in IEEE 1547 can no longer be relied upon to function. IEEE 1547.2 contains several different ways to define the point, below which “an undetected island cannot be created”, specifically;

✦ IEEE 1547.2 – An undetected island cannot be created if:

- Section 8.4.1.3.1- page 76 - inverter based generation is less than 33 % of the load on a protected line section... OR
- Appendix F2.2 - if the aggregated generation on the circuit does not exceed 15% of the line section annual peak load as most recently measured at the substation...OR

- Appendix F2.2 - if the minimum line section load is known, 50% of that value could be used.

The 14F2 has two inverter-based renewable generation projects rated at 260 kW connected to it. On Friday September 23, 2011 at 13:30 hours, the load on the 14F2 feeder was 626.6 kVA. If the available generation had been running at rated output of 260 kW, the feeder would have been 41.5 % penetrated. On weekends it gets worse as some of the Monday to Friday industrial/commercial loads shut down for the weekend. On Saturday September 24, 2011 at 13:30 hours the same calculation yielded a 64.2% penetration.

GSHI has received an application, through the OPA, for four (4) 10 kW rooftop PV units to be installed on four quadraplexes connected to one transformer on the Long Lake 20F1 feeder. On a May Saturday afternoon, smart meter readings indicate that the total load on the transformer serving the quadraplexes and eleven other homes totaled just over 20 kW. If the four rooftop units proceed, the transformer will be at least 200% penetrated and in reverse flow during some time periods.

Current modeling of the 14F2 feeder does not indicate that there will be any primary voltage problems. We have been unable to model at the 120/240 volt utilization level using our existing engineering analysis software. Therefore, we do not know if a voltage problem will manifest itself on the secondary district. However, in the literature (IEEE Canadian transactions, summer 2011 edition) and anecdotally, there is a growing body of evidence that, under some, but not all, circumstances, high penetrations of unity power factor generation can and will cause significant overvoltage problems which cannot be mitigated using traditional methods such as voltage regulators and capacitor banks. We believe that existing distribution engineering analysis software may not be sophisticated enough to predict the type of overvoltage problems that are appearing in high penetration areas such as Southern California and Arizona (anecdotal evidence only, albeit the IEEE article does cite papers that predict these overvoltage issues). Inverter based technologies such as the S&C CES are the solution to these complex power quality problems.

Section 2.2 – The Anticipated Benefits of the Technology

1. Customer Control Objectives

- i. Participation in Renewable Generation – The technology will provide consumers with opportunities to provide services back to the electricity grid such as small-scale renewable generation and storage.
 - a) The technology enables the distribution system to accept high penetrations of unity power factor renewable generation by allowing the LDC to control voltages in ways that are not possible with existing

technology. It removes some of the technical constraints that prevent connection of renewable generation to the distribution system.

- b) The technology could be used to reduce the consumer's cost of inverter-based renewable generation by eliminating consumer-owned inverter's and placing some or all of that cost upon the LDC's rate base.
- c) Using this storage technology could give LDCs and others insight into possible strategies that may allow customers to participate in ancillary markets, such as frequency control, arbitrage, demand management or even spinning reserve.

2. Power System Flexibility Objectives

- i. Distributed Renewable Generation – Enable a flexible distribution infrastructure that promotes increased levels of distributed renewable generation.
 - a) See 1 (a) above.
 - b) When distributed renewable generation reaches some tipping point on the distribution system, this technology can provide the LDC with equipment, not currently available, to mitigate some of the impacts of high penetrations of inverter-based renewable generation. For example, this technology could be used to help balance three-phase voltages in areas where only one or two phases are impacted with high penetrations of renewable generation.
 - c) In the future, inverter-based storage systems could have control systems installed to help mitigate voltage and/or current harmonics. There is a great deal of uncertainty in the engineering community on whether or not the introduction of significant numbers of harmonic generating inverter-based generation will create significant future harmonic issues but if it does, the mitigation equipment is limited and expensive. Inverters, with proper controls, could perform harmonic control and voltage control.
 - d) The use of inverter-based storage systems could provide flexibility of renewable generation operation when transmission system operations require dispatch actions in support of grid stability.
 - e) The use of inverter-based storage systems could enable “supply following” system operations, as opposed to the traditional “load following” system operations.
- ii. Visibility – Improve network visibility of grid conditions for grid operations where a demonstrated need exists or will exist, including the siting and operation of distributed renewable generation.

- a) By siting CES units at or near high penetrations of renewable generation the LDC can effectively monitor and react to power quality issues in real time. This capability is not available today. The ability of the inverter-based CES unit to quickly move into any of the four quadrants in which active and reactive power can be generated or absorbed gives this technology the advantage over all other existing technologies.
 - b) By siting, the LDC can monitor and control the feeder voltage profile to create and sustain nearly constant voltages along the length of the feeder that are near the lower limit of CSA acceptable voltage. This will lower energy losses in the distribution system and reduce customer bills at the point of sale.
 - c) Voltage unbalance – By siting CES units along the length of a feeder the LDC is able to take real time, phasor voltage measurement on all three phases. The inverter-based CES technology can use its ability to operate in all four power quadrants to react to real time, unbalanced vector voltage calculations and instantly improve voltage balance along the length of a feeder. Improved voltage balance will not only benefit existing motor loads, it will facilitate and enable, the use of rotating synchronous machines in biogas and landfill gas renewable energy generation applications.
 - d) CES units provide the IESO with required “visibility” to enhance transmission system operations when faced with the reality of embedded distributed renewable generation. The units can create conditions that allow low voltage ride through (LVRT) without the worry that meeting the LVRT capability will result in unintended sustained islands forming on the distribution system. Instead the micro grid capability of the CES units enable reliable control of intentional islands.
- iii. Control and Automation – Enable improved control and automation on the electricity grid where needed to promote distributed renewable generation. To the extent practical, move toward distributed automation such as self-healing grid infrastructure to automatically anticipate and respond to system disturbances for faster restoration.
- a) Improved voltage regulation at or near the point of common coupling using inverter-based CES technology that can operate in any of the four power quadrants provides a quantum leap in the automated voltage regulation needed to promote renewable generation.

- b) The “self-healing” grid is a misnomer. The intent is to improve reliability for the customer and self-healing grids are but one possible way to achieve this goal. Providing stored electrical energy at the point of common coupling and the ability of that stored energy system to create, sustain and re-synchronize a micro grid without the customer ever knowing that an upstream power interruption occurred is another. The CES unit can micro grid at the secondary district level. It is GSHI’s intent to engage S&C to extend this ability to the feeder level; to utilize both the stored energy in batteries and the energy produced by distributed renewable generation to improve feeder reliability.
 - iv. Quality – Maintain the quality of power delivered by the grid and improve it where practical.
 - a) CES technology can act to improve voltage quality in the distribution system by:
 - 1. Reducing or eliminating sustained, localized operating over voltages on secondary districts with high penetrations of distributed renewable generation.
 - 2. Reducing or eliminating sustained, operating under voltages on feeders with high penetrations of distributed renewable generation.
 - 3. Reducing or eliminating “flicker” or voltage fluctuation, caused by PV Maximum Power Point Tracking (MPPT) failures, on secondary districts, line sections or feeders with high penetrations of distributed renewable generation.
 - 4. Improve voltage balance on feeders
 - b) CES technology may be able to improve or eliminate harmonic power quality problems at some point in the future.
 - c) Power factor will deteriorate at the boundaries of every LDC that connects significant quantities of unity power factor distributed renewable generation. The introduction of inverter-based CES technology that can operate in any of the four quadrants provides the ability of the LDC to compensate instantly for any and all power factor operating states created by the intermittent nature of distributed renewable generation.
- 3. Adaptive Infrastructure Objectives
 - i. Flexibility – Provide flexibility within smart grid implementation to support future innovative applications, such as electric vehicles and energy storage.

a) The CES technology can address a number of significant issues and thereby enable distributed renewable generation. It can also address a number of issues relate to the growth of the Ontario's Smart Grid industry. Specific strategies to prioritize these outcomes can be tailored to suit the need of the particular LDC, recognizing inherent trade-offs between conflicting strategies. It seems self evident that strategies can be changed "on the fly", assuming adequate software, without further capital investment. These strategies include:

1. Provide back-up power for customers by maintaining sufficient power reserves to create, sustain and terminate a micro grid for a specified period of time,
2. Volt/VAR control for such voltage regulation activities as:
 - a. Feeder voltage stabilization along the feeder length,
 - b. Over/Under voltage regulation at the PCC,
 - c. Three phase voltage balance.
3. VAR control to maintain acceptable power factor at the interface with the IESO controlled grid,
4. Provide ancillary services to the IESO such as spinning reserve and frequency support,
5. Provide arbitrage capability to the LDC,
6. Provide the LDC with harmonic mitigation at the PCC,
7. Facilitate distributed renewable generation Low Voltage Ride Through (LVRT) in support of the IESO controlled grid,
8. Facilitate distributed renewable generation by storing energy during periods when base generation exceeds base load.

Inverter-based technology, like the CES, is the ideal, flexible strategic solution to a number of Smart Grid issues.

b) The demonstration project's objective is to integrate and operate a better, more efficient, more reliable distribution system that integrates energy storage today and prepares for the electric vehicles of tomorrow. The results of the project will help to educate other Ontario LDC's and aid in the integration of energy storage systems and electric vehicles.

- ii. Encourage Innovation – Nest within smart grid infrastructure planning and development the ability to adapt to and actively encourage innovation in technologies, energy services and investment/business model.

- a) The demonstration project will show to medium and small sized Ontario LDCs that size DOES NOT MATTER. Deploying, operating and maintaining the smart grid can be achieved by LDCs of all sizes.
- iii. Maintain Pulse on Innovation – Encourage information sharing, related to innovation and the smart grid, and ensure Ontario is aware of best practices and innovations in Canada and around the world.
 - a) GSHI has travelled extensively over the past two years to gather timely information on the smart grid and renewable generation and the measures, equipment and techniques that will need to be employed to successfully implement these technologies. We have participated in the USF Smart Grid Committee, CEATI, IEEE PES and various smart grid conferences. We believe we are well informed on the state of the art and we believe that the S&C CES technology is state of the art.

Section 3.0 – Risks or Barriers to Implementation if the Demonstration Project is Successful

Cost – The cost of the CES technology is presently estimated at \$12,000 per kVA and must come down to the \$500 to \$1000 per kVA to be practical to implement at the distribution level.

Forward Compatibility – The technology uses the proprietary S&C Intellicom™ Smart Grid Communication system and its protocol to communicate with the S&C proprietary HUB Controller. Until an open communication architecture is employed, all users of this technology are locked in to a single vendor.

HMI – The human machine interface must be simple and intuitive to use to allow smaller less sophisticated LDCs to deploy and operate the technology.

SCADA – Many smaller LDCs do not have SCADA nor are their substations designed with SCADA in mind. These smaller utilities may have to buddy up with larger LDCs that have SCADA technology and expertise.

Section 4.0 –A Review of Other Demonstration Projects

GSHI has reviewed the Internet to see if similar projects exist elsewhere and what, if any, publicly reported results exist.

The OEB web site contains no information on any demonstration projects.

The literature contains the following:

- March 24, 2011 - <http://zyarticles.com/2011/03/advance-the-stored-energy-demonstration-project-process-of-compressed-air-in-american-new-york.html> - Compressed air project in New York State.
- September 15, 2011 - http://www.electricenergyonline.com/?page=show_news&id=160764 AEP Ohio Debuts First Lithium-Ion-Based Community Energy Storage (CES) System in the World -- *CES units from S&C provide electric backup during power outages*
- And many others on zyarticles.com

Section 5.0 –A Review of Other Demonstration Projects

The S&C CES lithium-ion-based community energy storage system is being deployed at American Electric Power's (AEP) Ohio division. The project is detailed at the web address found in section 4.0.

The proposed GSHI demonstration project differs from the AEP project in several subtle and a few substantial ways.

- The GSHI project involves overhead residential customers (at 120/240 volt, single phase) and industrial/commercial customers (at 120/208 and 347/600 volt, three phase); the AEP project involves only underground residential customers (at 120/240 volt, single phase).
- The GSHI project will attempt to engage S&C in the creation of feeder or line section micro grids; failing which GSHI will pursue only single-phase and three-phase micro grids at the secondary district level; the AEP project envisions only secondary district single-phase micro grids.
- The GSHI project will use the CES technology for voltage regulation at the point of common coupling with operating distributed renewable generation sites to stabilize and enhance feeder voltage, thus preventing sustained over or under voltages caused by high penetrations of renewable generation. The AEP project makes no mention of voltage regulation.
- The GSHI project will attempt to operate the high penetration feeder with an extremely flat feeder voltage profile along the length of the feeder to reduce system losses and customer bills. The AEP project makes no mention of feeder voltage stabilization.
- The GSHI project will explore ancillary services that can be sold to the IESO using the stored energy technology. The AEP project makes no mention of ancillary services.

- The GSHI project will attempt to correct for power factor degradation introduced by unity power factor distributed renewable generation. The AEP project makes no mention of power factor correction.
- The GSHI project will attempt to correct feeder voltage imbalance using the CES technology. The AEP project makes no mention of feeder voltage balance.
- The GSHI project will attempt to reduce or eliminate voltage flicker on the feeder due to MPPT failure at the distributed renewable generation using the CES technology. The AEP project makes no mention of voltage flicker.

Section 6.0 – Joint Participation Agreements

As the demonstration project will be funded by the Ministry of Energy Smart Grid Fund all results will be publicly available to all Ontario LDCs. Participation in the MOE SGF requires that all non-proprietary information be shared with the entire LDC community.

The MOE's Smart Grid Fund evaluation process ensures that the proposed project does not unnecessarily duplicate other ongoing or planned demonstration projects, thereby avoiding redundant demonstration projects.

Section 7.0 – Formal Evaluation

Phase I – Evaluation of Things that CES Can Do Now

Each of the following formal evaluations will be performed relative to benefits described in Section 2.2

1. Customer Control Objectives

- i. Participation in Renewable Generation – The technology will provide consumers with opportunities to provide services back to the electricity grid such as small-scale renewable generation and storage.
 - a) At each location where the CES units are deployed control the voltage at the point of common coupling (PCC) to the mid-point or below of the “Normal Operating Range” Table 2, “Recommended Voltage Variation Limits for Circuits up to 1000 V, at Utilization Points”, CSA CAN3-C235.
 - b) See Phase II below
 - c) See Phase II below

2. Power System Flexibility Objectives

- i. Distributed Renewable Generation – Enable a flexible distribution infrastructure that promotes increased levels of distributed renewable generation.
 - a) See 1 (i) (a) above.
 - b) See Phase II below
 - c) See Phase II below
 - d) See Phase II below
 - e) See Phase II below
- ii. Visibility – Improve network visibility of grid conditions for grid operations where a demonstrated need exists or will exist, including the siting and operation of distributed renewable generation.
 - a) See 1 (i) (a) above.
 - b) Control the CES units to provide voltage in the order of 118 volts on a 120 base at each PCC to create and sustain a flat feeder voltage profile.
 - c) See Phase II below
 - d) See Phase II below
- iii. Control and Automation – Enable improved control and automation on the electricity grid where needed to promote distributed renewable generation. To the extent practical, move toward distributed automation such as self-healing grid infrastructure to automatically anticipate and respond to system disturbances for faster restoration.
 - a) See 1 (i) (a) above.
 - b) Create and sustain micro grids at each CES location for a period not less than one hour for the customers connected to the secondary districts thereto. Attempt to create and sustain a micro grid for each line section on the 14F2 feeder for a period not less than one hour. Attempt to create and sustain for a period of not less than four hours a micro grid at the secondary district level where CES units support installed renewable energy systems.

- iv. Quality – Maintain the quality of power delivered by the grid and improve it where practical.
 - a) CES technology can act to improve voltage quality in the distribution system by:
 - 1. See 1 (i) (a) above.
 - 2. See 1 (i) (a) above.
 - 3. See Phase II below
 - 4. See Phase I below
 - b) See Phase II below
 - c) Maintain a power factor between .92 and .98 lagging (inductive) at all times on the 14F2 feeder.

3. Adaptive Infrastructure Objectives

- i. Flexibility – Provide flexibility within smart grid implementation to support future innovative applications, such as electric vehicles and energy storage.
 - a) See Section 3 (i) (a), it explains itself.
 - b) See 1 (i) (a), 2 (ii) (b), 2 (iii) (c), and 2 (iv) (c) above.
- ii. Encourage Innovation – Nest within smart grid infrastructure planning and development the ability to adapt to and actively encourage innovation in technologies, energy services and investment/business model.
 - a) By being successful in 1 (i) (a), 2 (ii) (b), 2 (iii) (c), and 2 (iv) (c) above.
- iii. Maintain Pulse on Innovation – Encourage information sharing, related to innovation and the smart grid, and ensure Ontario is aware of best practices and innovations in Canada and around the world.

Phase II – Evaluation of Things that We Want CES to Do

1. Customer Control Objectives

- i. Participation in Renewable Generation – The technology will provide consumers with opportunities to provide services back to the electricity grid such as small-scale renewable generation and storage.
 - a) See Phase I above.
 - b) Prepare estimates of the cost of increasing the CES inverter size and providing a DC infrastructure to connect renewable generation.
 - c) Work with the IESO and S&C to develop possible markets, pricing structure and algorithms to allow Community Energy Storage to bid into the spinning reserve and frequency stabilization markets. Develop

arbitrage strategies that do not conflict with back-up power and voltage regulation requirements.

2. Power System Flexibility Objectives

- i. Distributed Renewable Generation – Enable a flexible distribution infrastructure that promotes increased levels of distributed renewable generation.
 - a) See Phase I above.
 - b) Develop, as part of the demonstration project, voltage balance measurement and balancing algorithms. Maintain the 14F2 feeder voltage balance within some specified tolerance over a sustained period of time with varied conditions.
 - c) Measure, record and monitor harmonic distortion on the feeder with and without CES and/or inverter-based renewable generation. Discuss with S&C the possibility of harmonic control using the CES units. See Phase II below
 - d) Discuss with the IESO the concept of using the CES Storage units in support of the grid during periods when base load is exceeded by base generation.
 - e) Discuss with the IESO the possibility of using CES units to “supply follow”, a concept related to but different than (d) above.
- ii. Visibility – Improve network visibility of grid conditions for grid operations where a demonstrated need exists or will exist, including the siting and operation of distributed renewable generation.
 - a) See Phase I above.
 - b) See Phase I above.
 - c) See Phase II - 2 (i) (b) above
 - d) Discuss with the IESO the possibility of piloting Low Voltage Ride Through (LVRT) on the renewable generation connected to the 14F2 feeder.
- iii. Control and Automation – Enable improved control and automation on the electricity grid where needed to promote distributed renewable generation. To the extent practical, move toward distributed automation such as self-healing

grid infrastructure to automatically anticipate and respond to system disturbances for faster restoration.

- a) See Phase I above.
- b) See Phase I above

iv. Quality – Maintain the quality of power delivered by the grid and improve it where practical.

- a) CES technology can act to improve voltage quality in the distribution system by:
 - 1. See Phase I above.
 - 2. See Phase I above.
 - 3. Work with S&C to create and deploy “Rate of Change of Voltage” (ROCOV) algorithms to control voltage “flicker” due to photovoltaic “Maximum Power Point Tracking” (MPPT) failures
 - 4. See Phase II – 2 (i) (b) above
- b) See Phase II – 2 (i) (c) above
- c) See Phase I - above

Section 8.0 – Costs

Detailed costs are found in Appendix A attached.

Greater Sudbury Hydro is applying to the Ontario Energy Board to recover:

- All capital costs over a two year period, using a funding adder mechanism; and
- All OM&A cost on an enduring basis, using a funding adder mechanism.

The dollar amount of the capital costs are \$1,098,550 and the dollar amount of the OM&A costs are \$46,440 per annum. See attached schedule for funding adder calculation. At this time, funding is being requested for the capital component and two years of maintenance only. As an addendum to this approval, GSHi is seeking the Board's support in this application for the recovery of the annual maintenance costs with the next Cost of Service Application as this on-going cost component is part and parcel of the project.

A revenue requirement calculation for the amounts to be recovered in rates beginning in the IRM year 2012, identifying all assumptions used in the calculation, and the basis for those assumptions can be found at the end of the this report.

Section 9.0 – Conclusion

The proposed Greater Sudbury Hydro/S&C smart grid demonstration project will be vetted by the Ministry of Energy and will not proceed unless it meets their criteria. It would seem logical that should the Ministry accept this demonstration project, the Ontario Energy Board should find the project compatible with the provincial Smart Grid objectives.

Greater Sudbury Hydro cannot support the project's incremental costs, including the \$1.1 million capital cost and \$46,400 annual OM&A cost, within existing rates. GSHI will only proceed with this project after it has reviewed the 2012 IRM rate decision of the OEB. GSHI reserves the right to terminate participation within thirty (30) days of the issuance of an Ontario Energy Board rate decision order affecting GSHI's rate revenues.

Notwithstanding GSHI's financial concerns, we are **extremely** supportive of this micro grid demonstration project.

As detailed in Section 3 (i) (a), parts 1 through 8, the inverter-based CES system is very flexible and each LDC can strategically prioritize the solutions. The range of applications of the CES system is so impressive, it bears repeating here:

1. Provide back-up power for customers by maintaining sufficient power reserves to create, sustain and terminate a micro grid for a specified period of time,
2. Volt/VAR control for such voltage regulation activities as:
 - i. Feeder voltage stabilization along the feeder length,
 - ii. Over/Under voltage regulation at the PCC,
 - iii. Three phase voltage balance.
3. VAR control to maintain acceptable power factor at the interface with the IESO controlled grid,
4. Provide ancillary services to the IESO such as spinning reserve and frequency support,
5. Provide arbitrage capability to the LDC,
6. Provide the LDC with harmonic mitigation at the PCC,
7. Facilitate distributed renewable generation Low Voltage Ride Through (LVRT) in support of the IESO controlled grid,

8. Facilitate distributed renewable generation by storing energy during periods when base generation exceeds base load.

Inverter-based electrical storage systems, like the S&C CES is the ideal, flexible, strategic solution to a number of Smart Grid issues.

Project Budget Smart Grid Fund Project

Microgrid Integration and management at Sudbury Hydro

Project Costs							Eligibility			
Category	Detail	Qty				Sub-Total	SGF Eligible		In-Eligible	
			Unit cost	Time			Cash	In-Kind	Cash	In-Kind
1	Labour	Engineering (Sudbury Hydro)		894		\$ 76,720				\$ 76,720
		Engineering (S&C Electric)				\$ 205,000	\$ 205,000			
		Management (S&C Electric)				\$ 150,000	\$ 150,000			
		Management (Sudbury Hydro)		1310		\$ 107,200				\$ 107,200
		Factory Testing (S&C Electric)	32	1,500.00		\$ 48,000	\$ 48,000			
		Factory Testing (Sudbury)	2	500.00	32	\$ 5,000				\$ 5,000
		Site Testing (S&C Electric)	32	2,000.00		\$ 64,000	\$ 64,000			
		Site Testing (Sudbury)	32	1,875.00	768	\$ 46,080				\$ 46,080
2	Equipment	25KW 2 Hour CES Units	32	300,000.00		\$ 9,600,000	\$ 9,600,000			
3	Installation	Sudbury Hydro		1009		\$ 833,550				\$ 833,550
4	Materials	IntelliRupter / Cables				\$ -				
5	Training	S&C Electric				\$ -				
6	Data Collection	Sudbury Hydro		500		\$ 30,000				\$ 30,000
7	Project Overhead					\$ -				
Total						\$ 11,165,550	\$ 10,067,000	\$ -	\$ -	\$ 1,098,550
Funding Source		Smart Grid Fund		\$ 4,000,000						
		S&C Electric Canada		\$ 6,067,000						
		Sudbury Hydro		\$ 1,098,550						
		Total		\$ 11,165,550		0	0	0	0	

Project Costs					
Category	Detail	Qty			
			Unit cost	Time	Sub-Total
				4513	\$ 1,098,550.00

Labour	Factory Testing (Sudbury)	2	500.00		1,000.00
	New total	2	\$ 2,500.00	32	\$ 5,000.00

Labour	Engineering (Sudbury Hydro)				79,000.00
	New total			894	\$ 76,720.00
	Site Design	8	\$ 2,400.00	320	\$ 19,200.00
	Old Centennial Station Design	1	\$ 3,000.00	50	\$ 3,000.00
	Regulator Design	1	\$ 1,200.00	20	\$ 1,200.00
	Legals	8	\$ 2,500.00	32	\$ 20,000.00
	Intellirupter Design	6	\$ 320.00	32	\$ 1,920.00
	SCADA /IntelliGrid Interface Design	1	\$ 12,200.00	120	\$ 12,200.00
	Intelligent Protection Redesign	1	\$ 19,200.00	320	\$ 19,200.00

Labour	Management (Sudbury Hydro)				125,000.00
	New total			1310	\$ 107,200.00
	Public Meetings	5	\$ 3,520.00	150	\$ 17,600.00
	Operating Practices	1	\$ 12,000.00	200	\$ 12,000.00
	Data Monitoring/Mthly Report	1	\$ 60.00	960	\$ 57,600.00
	Trouble shooting/Rework				\$ 20,000.00

Installation	Sudbury Hydro	32	11,000.00		352,000.00
	New total			1009	\$ 833,550.00
	6 X 1 Φ Units	6	\$ 7,783.33	224	\$ 46,700.00
	Regulators	3	\$ 22,666.67	56	\$ 68,000.00
	Intellirupters	4	\$ 66,000.00	56	\$ 264,000.00
	St. Francis School	1	\$ 100,000.00	130	\$ 100,000.00
	City Yard	1	\$ 99,000.00	130	\$ 99,000.00
	1010 Lorne	1	\$ 128,000.00	195	\$ 128,000.00
	SMS Rents	1	\$ 112,250.00	130	\$ 112,250.00
	Harrison Drive secondary 120/240V	2	\$ 7,800.00	88	\$ 15,600.00

Data Collection	Sudbury Hydro				30,000.00
	New total			500	\$ 30,000.00
	Final Report	1	\$ 60.00	500	\$ 30,000.00

Site Testing (Sudbury)	Sudbury Hydro	32	1,875.00		60,000.00
	New total			768	\$ 46,080.00
	Site Testing	32	\$ 60.00	768	\$ 46,080.00

Operations, Maintenance and Administration				\$ 46,440.00
Communications with SCADA	12	\$	120.00	\$ 1,440.00
Annual License Fees S&C	1	\$	10,000.00	\$ 10,000.00
Pilot Additional Liability Insurance	1	\$	20,000.00	\$ 20,000.00
Survalent Annual License Fee	1	\$	5,000.00	\$ 5,000.00
Annual Security Audit	1	\$	10,000.00	\$ 10,000.00



Smart Grid Fund Guidelines

1. Background: Building Ontario's Smart Grid Industry

Electricity grids around the world are being modernized to meet the demands of the 21st Century and satisfy the current and emerging needs of consumers. By incorporating advanced information and communication technologies into their systems, electricity utilities are seeking to increase their systems performance and efficiency. Companies are currently developing technologies to help meet these consumer needs and enable the transition toward the development of "smart grids". This transition toward smart grids presents not only a significant opportunity to advance our electricity grid, but also an opportunity for economic growth.

Ontario has taken an early lead in smart grid development through its comprehensive smart metering infrastructure initiative and strong legislative framework. In May 2009, the *Green Energy and Green Economy Act, 2009* (GEA) came into force, defining "smart grid" as "the advanced information exchange systems and equipment that when utilized together improve the flexibility, security, reliability, efficiency and safety of the integrated power system and distribution systems." The objectives for Ontario's smart grid described in the GEA support the following focus areas:

<i>GEA Smart Grid Objective</i>	<i>Focus Area</i>
i. "expanding opportunities to provide demand response, price information and load control to electricity customers,"	Customer Control
ii. "enabling the increased use of renewable energy sources and technology, including generation facilities connected to the distribution system,"	Power System Flexibility
iii. "accommodating the use of emerging, innovative and energy-saving technologies and system control applications,"	Adaptive Infrastructure

The GEA is complemented by the Minister's Directive to the Ontario Energy Board dated November 23, 2010 that outlines a set of objectives to guide Local Distribution Companies (LDCs) and regulated entities in establishing smart grid plans, and investments. The Directive can be viewed [here](#).

These smart grid policy initiatives, together with the Province's commitment to large-scale integration of distributed renewable energy resources, and encouragement of

electric vehicles, have created the conditions for Ontario to become a global centre of excellence for the smart grid. By leveraging Ontario's historic strengths in the high-tech and electricity sectors, the Province can become a global leader in the development of smart grid products, services, and solutions. To seize this unprecedented economic development opportunity, the government is committed to supporting the growth of a robust smart grid industry.

2. Fund Overview

The Smart Grid Fund (SGF) will help accelerate the growth of Ontario's smart grid industry through targeted financial support for projects that advance the development of the smart grid in Ontario and provide economic development opportunities, including the creation of new jobs. The SGF complements Ontario's proactive smart grid policy and supports existing government priorities.

The SGF is a discretionary, non-entitlement program administered by the Ministry of Energy. Funding will be awarded on a competitive basis. Funding will be in the form of conditional grants (transfer payments). There is no assurance of funding for any application. The SGF has a limited funding allocation, and in some instances Applications that meet all program criteria and objectives may not be approved for funding as there may be other projects which more effectively meet the SGF criteria and objectives. Ontario has the sole right to approve funding, and all decisions are final

The SGF will strive to support a technologically and geographically diverse portfolio of projects.

2.1 Smart Grid Fund Objectives

The objectives of the SGF are to build the smart grid industry in Ontario by:

1. Developing and advancing the smart grid in Ontario in the near term [within the next five years] by advancing one or more of the smart grid objectives in the focus areas of consumer control, power system flexibility and adaptive infrastructure.
2. Creating economic development opportunities, including jobs, for Ontario.
3. Reducing risk and uncertainty of electricity sector investments by enabling utilities and other electricity industry stakeholders to develop, test, and evaluate smart grid technologies and business models.

2.2 Expected Outcomes of the Smart Grid Fund

The Smart Grid Fund will help to:

- Accelerate the commercialization of Smart Grid technologies and build market competitiveness;

- Establish Ontario as a leader and an attractive jurisdiction in which to develop and manufacture services and/or products related to smart grid;
- Build the capacity of organizations developing and implementing innovative smart grid products, technologies, and/or services in Ontario;
- Ensure a coordinated approach that will focus on the wider provincial benefit of smart grid technologies, ensuring solutions are scalable and align with Ontario policy goals; and
- Identify potential solutions to the development and deployment of smart grid technologies in Ontario.

3. Eligible Organizations

The SGF will accept applications from both individual organizations or from a group of organizations that are:

- established in Ontario
- established in Canada; or,
- can demonstrate that they will be establishing in Ontario as related to their project.

Where groups of organizations are applying, the lead applicant and a majority of organizations should meet the above criteria.

3.1 Eligible Organizations

Applications **will** be accepted from:

- Business organizations including, but not limited to manufacturers, software providers, communications and information services providers;
- Regional or municipal government agencies; and
- Non-governmental organizations.

Multiple applications by the same proponent are allowed but each application must be for distinctly different projects.

3.2 Ineligible Organizations

Applications **will not** be accepted from:

- Ontario government agencies;
- Electricity utilities (provincial, municipal, aboriginal or privately-owned);
- Universities and colleges;
- Individuals.

4. Project Categories

The Smart Grid Fund has two project categories: *Capacity Building* and *Demonstration*. Applicants must select **one** project category for their project. Projects submitted for funding under both categories will not be accepted.

4.1 Capacity Building Projects

The Capacity Building category will fund eligible organizations to acquire and operationalize assets for developing and producing smart grid solutions, enhancing Ontario's capacity to manufacture smart grid products. These assets will support product engineering, prototyping, development, demonstration, testing and commercialization, but not early-stage research.

Eligibility requirements for capacity building SGF projects include:

Project timeframe	Maximum of 4 years
Minimum Project Total	\$1,500,000
Contribution Requirements	<p>SGF will fund up to 30% of eligible project costs, to a maximum of \$5 million per project</p> <p>Projects seeking less than 30% are preferred</p> <p>Stacking with other Federal and Ontario (municipal / provincial) government programs is permissible, but at least 50% of total project costs must be from non-government sources.</p>
Additional Requirements	Organizations applying for capacity building must have at least three years of active operations and have other products or services at the commercial stage. This requirement does not apply to subsidiaries of established organizations.

4.2 Demonstration Projects

Working with electricity utilities (Local Distribution Companies, transmitter(s), or grid operator(s)), demonstration projects will advance the development and design of pilot-scale prototypes, facilitate identification of risks, opportunities and costs associated with integrating the technology with the existing Ontario electricity system, as well as identification of risks, opportunities and costs associated with adapting to the smart grid as it develops and be scalable to align with Ontario policy goals.

Eligibility requirements for demonstration SGF projects include:

Project timeframe	Maximum of 2 years
Minimum Project Total	\$500,000
Contribution Requirements	SGF will fund up to 50% of eligible project costs, to a maximum of \$4 million per project Stacking with other Federal and Ontario (municipal / provincial) government programs is permissible, but at least 50% of total project costs must be from non-government sources.
Additional Requirements	Collaboration with an electricity utility (local distribution company, transmitter, or grid operator as applicable) is required for all demonstration projects. The purpose of the utility's involvement is to provide a real-world environment and/or the technical expertise to properly evaluate the technology. Utility contributions could include access to the utility's system and technical resources. Applicants will be required to provide documentation to substantiate the collaboration with the electrical utility.

5. Eligibility Requirements

5.1 Projects

The SGF will support projects that meet the definition of smart grid and advance specific objectives of the focus areas as outlined in Appendix A.

5.1.1 Eligible Projects

Examples of projects eligible to receive funding from SGF may include the following:

- Home energy management systems and load control devices that integrate with the grid operator
- Information and communications systems for enhanced grid operations and visibility
- Microgrid integration and management technologies
- Distributed generation integration, including monitoring, communication, automation, and control technologies
- Advanced and innovative distribution automation
- Projects that focus on innovative grid applications such as smart charging and communication infrastructure to support and manage plug-in electric vehicles (EVs)

- Projects that involve information, control, automation and communication and integrate energy storage technologies with the grid for new and emerging applications

5.1.2 Ineligible Projects

The following types, or components, of projects are not eligible for funding under SGF:

- Projects solely focused on the development of Distributed Energy Resources (DER) including, but not limited to:
 - Energy storage, including both stationary and mobile batteries (such as electric vehicles)
 - Distributed generation or energy production for electrical purposes, including generation projects which would qualify under the Ontario's Feed-in Tariff Program
 - Co-generation or Combined Heat and Power technologies
 - Fuel cells
 - Microturbines
 - Combustion turbines
 - Reciprocating engines
 - Stirling engines
 - Hybrid systems involving the technologies listed above
- Projects solely focused on behind-the-meter conservation and demand management technologies that are not integrated with the grid through intelligent communications infrastructure.
- Academic research
- Early stage research. The SGF is focused on promising products or services that are in the later stages of commercialization or deployment potential in Ontario.
- Replacement technology
 - Technology that does not enhance service potential, or improve functionality
- Restructuring, mergers and acquisitions
- Marketing or sales activities including market research
- Consumer subsidies
- Consulting projects
- Retail operations
- Education or outreach
- Standard technologies or technologies without intelligent grid applications that do not involve information, automation, control, communication and integration with the grid.
- Technologies that do not meet one or more of the smart grid objectives as outlined in Appendix A.

5.2 Costs

Only costs incurred and paid after the execution date of the funding agreement are eligible for reimbursement as defined by the SGF program.

Eligible costs are those that, in the opinion of the Ministry, are necessary and relate directly to the project outcomes, as outlined in the application.

5.2.1 Eligible Costs

To be considered eligible under the SGF all eligible costs must be directly attributable to, and necessary for, the implementation and completion of the project as outlined in the successful application to the Fund, and are neither wholly nor partially for another purpose. All equipment costs must be pro-rated to reflect the actual cost to the project. Eligible costs will be related to information exchange and communications technology that provides intelligence/control/automation to the grid. Other technologies may be part of a project, but will not be funded by SGF.

Eligible costs are one-time non-recurring costs associated with project start-up, development and implementation, including but not limited to:

- Construction/leasehold improvements directly related to the project
- Equipment and machinery purchase, installation and retrofitting costs, including delivery
- Materials
- Labour (one-time)
- Training
- Direct external service provider costs
- Project related administration
- Maintenance costs (for Demonstration Projects only)
- Monitoring and evaluation costs (for Demonstration Projects only)

Note: Project capital assets must remain in Ontario for the duration of the project.

5.2.2. Ineligible Costs

The following are considered ineligible costs:

- Overhead, including rent;
- Ongoing costs of production or operations: labour, materials, and other costs of production of saleable items not related to the project.
 - Labour (ongoing/operational, including permanent staff salaries)
 - Labour costs that are not directly related to the project, including the ongoing costs of production or operations
 - Routine hiring, relocation and training costs
- General Working Capital requirements:

- Capital requirements not directly attributable to the project including:
 - Debt service costs
 - Federal or provincial income taxes
 - Surtaxes and special expenses
- Working capital costs for ongoing costs of the borrower's regular production or operations (e.g. materials)
- Purchase of land, buildings or the construction of a building
- Project Overview Submission and Business Case Application preparation costs:
 - Costs associated with the preparation of the proposal (successful or not), such as success fees or third party government relations consulting services.
- Transaction Costs:
 - Legal, audit, accounting, interest fees.
- Vehicles and Off-Site Equipment:
 - Costs associated with the purchase/lease or operation of vehicles or off-site equipment.
- Costs not incurred in Ontario, unless it can be demonstrated that resource is not readily available or cost-effective to acquire in Ontario
- Costs incurred as part of academic and/or early stage research
- Costs incurred by Ontario electricity utilities
- Costs for project assets (including equipment and tooling) that will not be located at the project facility or a customer's facility located in Ontario.
- Costs incurred outside the timeframe of the project's contract.
- Costs of mergers, acquisitions , or restructuring
- Remuneration to shareholders
- Facility improvement costs that do not enhance service potential of the direct project related assets, including, but not limited to costs of decorating and alterations that are cosmetic in nature;
- Costs of sales, advertising, promotion, or marketing materials;
- Corporate relations and customer service
- Costs related to product inventory management, wholesaling, distribution, and retailing
- Costs to decommission the funded Project
- Sales tax
- Leasing and financing costs

5.2.3. In-kind

The Ministry will consider only those in-kind contributions which are essential to the Project and that are eligible as per the lists above. All in-kind contributions must be thoroughly documented and costs for equipment must be pro-rated to reflect the actual cost to the project.

In-kind contributions will be considered subject to the following conditions:

- Eligible in-kind contributions must represent an item or service that would otherwise have to be acquired with project funds
- Applicants must be able to provide objective documentation to support the value of in-kind contributions.

5.3 Collaboration

All applicants to the SGF are encouraged to collaborate with other organizations. Collaboration with other organizations should provide mutual benefits such as leveraging complementary skill sets, knowledge sharing and greater economic development opportunities. Electric utilities, universities and colleges are examples of organizations that Applicants may wish to collaborate with.

All organizations applying for funding as a demonstration project **must** collaborate with an electricity utility in order to be eligible for the SGF.

At the Project Overview Submission stage, letters from collaborating organizations, other funders and/or organizations providing support will be required and deemed satisfactory proof of this support. All letters must outline the role of the collaborating organization in, and their contribution to, the proposed project. Should your application be successful, the Ministry will require copies of legal documents between the lead applicant and all collaborating organizations (i.e.: partnership agreements, contracts, etc.) prior to contracting.

6. Application Process

How to apply

The SGF has a two stage application intake process. The first stage, the Project Overview Submission (POS), is open to all eligible organizations. The second stage of the process, the Business Case stage, is by invitation only.

6.1 Stage One: Project Overview Submission

Applicants to the SGF are required to submit an overview of their project as outlined in the Smart Grid Fund POS online Application Form.

All sections of the POS **must be completed in the online form provided**. Applicants can access this form here: https://secure.benchmarkaction.com/Docs/SGF/pos_instructions_en.html

Referencing websites and other external documents will **not** be considered a substitute for providing the information requested in the POS form. Applicants are expected to stay within the word limits prescribed in the form.

Please note that any documents included with the application that were not specifically requested by the Ministry will NOT be reviewed.

The information required in this stage includes:

- A brief history of the applicant, and project collaborators, where applicable
- A brief description of the proposed project
- A description of how the proposed project supports the objectives of the SGF
- The number of jobs created by the proposed project
- A project budget
- A description of how the proposed project addresses a specific technology problem, deficiency, opportunity or industry need.
- Letters of support for the project including:
 - Letter(s) from collaborating electricity utility/utilities (for demonstration projects); and/or
 - Letters of confirmation of financial and in-kind support, where applicable
- Financial revenues for the lead applicant (minimum of 1 year for demonstration projects, and minimum of 3 years for capacity building).
- Proof of a valid insurance with a minimum \$2 million in general liability coverage for the applicant organization.

POS will be reviewed for completeness and eligibility. Applications that do not meet the eligibility requirements as outlined in Sections 3, 4 and 5 of the Program Guidelines, or are incomplete, will be automatically rejected. If the Ministry determines that the proposed project is both complete and eligible, the Application will be evaluated for meeting the objectives of the SGF.

Before submitting your POS, please closely review your application to ensure all of the required information is provided. Applications that are not complete **will not** be reviewed.

Complete POS submissions must be received by the Ministry no later than 4:00 pm (EDT) May 27, 2011. Submissions received past this deadline will not be reviewed.

If a Project Overview Submission is not accepted to move to Stage II of the application process, the project proponent(s) will be notified by June, 2011.

Only those applicants invited by the Ministry to submit a Business Case will be eligible to do so and move to stage two.

There is no commitment by the Ministry to fund applications even if the Applicant passes the first stage of the application process.

The Ministry of Energy retains the right to conduct subsequent POS intakes for the SGF. Information about future intakes to the SGF will be posted on the Ministry of

Energy website currently located at www.ontario.ca/energy Applicants are encouraged to check the website for any additional information.

6.2 Stage Two: Business Case Application

Successful applicants to the Project Overview Submission stage of the SGF will be invited to submit a Business Case. An electronic link to the Business Case template will be provided only after Applicants are notified that they will proceed to the Business Case Application Stage. Applicants will be required to submit their completed Business Case template, and all required accompanying documentation, online to the Ministry no later than 4:00pm (EDT) July 20, 2011. Any and all Business Case applications and / or accompanying documentation received past this deadline will not be reviewed.

6.2.1 Business Case Evaluation

Once submitted, Business Case Applications will be evaluated as part of a competitive process. All Applications will be reviewed for completeness. Those Applications that are not complete will not be considered eligible to continue to the evaluation process.

All complete Business Case applications will undergo three levels of review: (1) a policy review by Government staff; (2) a financial review by external experts; and, (3) a technical review by external experts. Business Case applications will be evaluated for their technical merit and ability to advance the smart grid in the near term, their ability to create economic development opportunities including jobs in Ontario, and their relevance to Ontario's policy goals and objectives. The lead Applicant's organization(s) will be assessed for financial and managerial competency.

6.3 Grant Agreement

When funding for a proposal is approved, the successful applicant will enter into a transfer payment agreement with the Crown as represented by the Minister of Energy.

The agreement will address terms and conditions for the disbursement of the grant that include, but are not limited, to:

- project description and timelines
- project budget
- project management
- mode and schedule of payments
- accountability framework
- reporting requirements, including annual progress reporting, financial audits and Request for Disbursement and other reports as stipulated
- corrective action

6.3.1 Corrective Action

In the event of non-compliance with the obligations of the transfer payment agreement or where a transfer payment recipient has failed to meet its obligations under the program, the Province will take corrective action as needed to remedy the situation.

The details of the corrective action are set out in the transfer payment agreement and will set out what shall constitute an event of non-compliance or default, the appropriate corrective action and opportunities for the recipient to remedy the default. Where the recipient fails to remedy the default within a specified time frame, the Province may initiate any one or more of the corrective actions set out in the agreement.

6.3.2 Notification - Access to Information and Commercially Sensitive Information

As discussed in Section 6.4 below, the Ministry is an institution for the purposes of the *Freedom of Information and Protection of Privacy Act* (FIPPA) and as such must adhere to the Act as well as authoritative orders, decisions and policies of the Information and Privacy Commission (IPC). Please note that any final transfer payment agreements which form the subject matter of any access to information request may be disclosed in accordance with FIPPA or any order of the IPC or of a court of competent jurisdiction.

6.4 Confidentiality

SGF Business Case Applications will be subject to financial due diligence and technical assessments. This includes the use of third-party professionals bound by confidentiality obligations.

The Ministry of Energy is subject to the *Freedom of Information and Protection of Privacy Act*. The Act provides every person with a right of access to information in the custody or under the control of the Ministry, subject to a limited set of exemptions. Section 17 of the Act provides a limited exemption for third party information that reveals a trade secret or scientific, commercial, technical, financial or labour relations information supplied in confidence where disclosure of the information could reasonably be expected to result in certain harms. Any trade secret or any scientific, technical, commercial, financial or labour relations information submitted to the Ministry in confidence should be clearly marked. The Ministry will notify you before granting access to a record that might contain information referred to in Section 17 so that you may make representations to the Ministry concerning disclosure.

Projects are also subject to site inspections by Ministry representatives as well as their third party technical advisors, as required. Site inspections are intended to allow Ministry staff to better understand the project and its proposed product, to further stakeholder relationships with grant recipients, and to ensure due diligence. Site visits will occur only as required by the Ministry, and the Ministry will inform the recipient of

any intent to perform a site inspection at least 14 days prior. Information obtained at site visits is also subject to the *Freedom of Information and Protection of Privacy Act*.

Potential Applicants should consider seeking external legal advice before submitting an application.

Please note that these guidelines are subject to change without notice.

7. Contact

Inquiries about the Smart Grid Fund should be directed to sgf@ontario.ca or you can reach us by phone at:



Julie Greenspoon, Project Analyst, 416 212-2395
Brian Byrnes, Project Manager, 416 212-7919

We are happy to answer any questions you may have about the SGF, however we are not able to provide feedback on individual project proposals or ideas. All communications between the Applicant and the Government of Ontario in respect of the application shall be conducted solely with the designated officials of the Ministry of Energy.

APPENDIX A: Smart Grid Objectives

The proposed project must advance the smart grid in Ontario. Smart grid is defined as: “the advanced information exchange systems and equipment that when utilized together improve the flexibility, security, reliability, efficiency and safety of the integrated power system and distribution systems.”

Typically, this means that projects will incorporate advanced information technology and communications equipment/technologies and interact with existing grid infrastructure to achieve one or more of the objectives described below.

CUSTOMER CONTROL OBJECTIVES

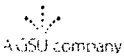
For the purpose of providing the customer with increased information and tools to promote conservation of electricity, which will “expand opportunities to provide demand response, price information and load control to electricity customers”, in accordance with subsection 2(1.3)(b) of the *Electricity Act, 1998* the following objectives apply:

- **ACCESS:** Enable access to data by customer authorized parties who can provide customer value and enhance a customer's ability to manage consumption and home energy systems.
- **VISIBILITY:** Improve visibility of information, to and by customers, which can benefit the customer and the electricity system, such as electricity consumption, generation characteristics, and commodity price.
- **CONTROL:** Enable consumers to better control their consumption of electricity in order to facilitate active, simple, and consumer-friendly participation in conservation and load management.
- **PARTICIPATION IN RENEWABLE GENERATION:** Provide consumers with opportunities to provide services back to the electricity grid such as small-scale renewable generation and storage.
- **CUSTOMER CHOICE:** Enable improved channels through which customers can interact with electricity service providers, and enable more customer choice.
- **EDUCATION:** Actively educate consumers about opportunities for their involvement in generation and conservation associated with a smarter grid, and present customers with easily understood material that explains how to increase their participation in the smart grid and the benefits thereof.



Greater Sudbury Hydro Inc
Hydro du Grand Sudbury Inc

empowering communities
à pouvoir aux communautés



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2011 July 19

S&C Electric Canada Ltd.
90 Belfield Rd
Toronto ON M9W 1G4

Attn: Mr. Steve Greey, P. Eng.
Director - Smart Grid Applications

Subject: Letter of Support for S&C Smart Grid Fund Initiative - Phase II

Dear Mr. Greey:

Thank you for meeting with my staff and I on Monday July 11, 2011. We are more than enthusiastic about the proposed Smart Grid project, we firmly believe the deployment of inverter based, energy storage connected along the length of distribution feeders is necessary to develop and advance the Smart Grid in the near term (within the next five (5) years) by:

- Controlling voltage at the point of common coupling the S&C Community Energy Storage (CES) units stabilize system voltage and promote high penetrations of small-scale consumer connected renewable generation. Otherwise voltage related power quality constraints will restrict the quantity of small-scale consumer renewable generation connected to a distribution feeder.
- Enabling flexible distribution infrastructure that promotes increased levels of distributed renewable generation.
- Improving network visibility of grid conditions for grid operations where high penetrations of distributed renewable generation are connected to the distribution system. Allowing the LDC, through SCADA, to ensure that distribution system voltages are maintained within the lower band of CSA standards and at a level that reduce system losses and more importantly, customer bills.

- Enabling improved control and automation on the distribution system to promote renewable generation. The automated, distributed voltage control capabilities of the S&C CES allow system voltage control at an enhanced level not available with current technologies. The microgrid capabilities of the S&C CES units automatically anticipate and respond to system disturbances for faster restoration.
- The voltage control capability of the S&C CES units provides immediate improvement in the power quality delivered by the distribution system. Voltage levels can be held within a much tighter bandwidth and voltage unbalance can be corrected over a wide range of loads and generation combinations; reducing voltage flicker from connected intermittent renewable generation and delivering a flat feeder voltage profile.
- Providing flexibility within smart grid implementation to support future innovative applications, such as electric vehicles.

As we discussed Greater Sudbury Hydro (GSHI) has a young engineering staff who need to be involved in this project. They are the future. They need to maintain their pulse on innovation and become the driving force behind best practices that are developed here in Ontario and exported to the world. They need to be involved from the ground floor up to encourage innovation in smart grid infrastructure planning and development. Meanwhile those of us with grey hair or no hair at all will still be around to describe the landmines, booby traps and pitfalls that await those who innovate with unbridled enthusiasm.

GSHI's young staff members are fully engaged in their current day to day activities and Greater Sudbury Hydro will have to spend monies incremental to our base revenues to hire replacement staff for the duration of the project. We estimate the project will create 2.4 Full Time Equivalent (FTE) jobs in the Sudbury Area for the two year construction, commissioning and testing period. Greater Sudbury Hydro cannot commit to fully participate in this project unless and until the Ontario Energy Board approves a rate rider, funding adder or recovery through the provincial cost recovery mechanism set out in section 79.1 of the OEB act for all incremental costs associated with this project.

Currently the only mechanism available for GSHI to receive approval from the OEB for this or other Smart Grid projects, is to submit a detailed Green Energy Act (GEA) Plan as part of a rate application using the methodologies contained in OEB document EB-2009-0397 (attached), which GSHI shall do. However, the submission will not go in to the OEB until mid September 2011 at the earliest and a decision from the OEB will not be forthcoming until April or May 2012.

Attached is a revised budget for the project. Costs are up from our Phase I estimate. As GSHI has come to understand the S&C CES technology it became apparent that additional infrastructure was required to install and connect the CES units and to create a micro-grid.

To be clear GSHI is **extremely** supportive of this demonstration project, as distributed voltage control is a fundamental requirement to promote high penetrations of small-scale consumer connected renewable generation. However, an LDC the size of Greater Sudbury Hydro cannot absorb the estimated \$1.1 million non-eligible construction cost within our existing rate structure. Therefore Greater Sudbury Hydro reserves the right to terminate participation within thirty (30) days of the issuance of an Ontario Energy Board rate decision order affecting GSHI's rate revenues. Such a decision will not likely be rendered until April or May of 2012.

Thank you for allowing GSHI to participate in such a worthy venture.

Yours truly



B. A. (Brian) McMillan, P. Eng.,
Vice – President Distribution Electrical Systems
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AEP Ohio Debuts First Lithium-Ion-Based Community Energy Storage (CES) System in the World

CES units from S&C provide electric backup during power outages

Columbus, OH., September 15, 2011 - AEP Ohio, a unit of American Electric Power (NYSE: AEP), is taking the lead in testing a new energy backup system that will supply customers with electricity for a limited time during power outages. AEP Ohio begins the installation of the first Community Energy Storage (CES) system, designed to improve electrical reliability and better serve customers. This lithium-ion-based CES system is the first of its kind in the world to be installed at customer homes.

CES is a lithium-ion-based battery system that provides up to several hours of backup power during a power outage for customers who are connected to the CES unit. Each unit will power two to five homes. The exact amount of time the battery can provide power will depend on how much energy is stored in the battery at the time of the outage, and how customers connected to the battery use energy in their homes during the outage.

An average AEP Ohio outage typically lasts approximately two hours. Customers utilizing the CES unit who conserve energy during an outage may not experience any loss of power for the entire outage time. AEP Ohio plans to notify customers when their power has switched to battery backup.

"AEP Ohio is demonstrating a new and innovative technology to enhance our electric service," said Karen Stoneker, project director, gridSMART Demonstration Project, AEP Ohio. "As part of the project, CES units provide backup power to customers and allow AEP Ohio to charge batteries during off-peak periods and discharge them during high-demand times."

Sensing technology present in each CES unit recognizes when a home served by that unit loses electric power. When a power outage occurs, the CES battery automatically and rapidly begins providing power to the home via a transfer process that should occur without any impact on electric power quality. When AEP Ohio restores power to the affected homes, customers are transferred from the battery unit back to the electric grid.

AEP Ohio has a technology alliance with S&C Electric Company, which designs and manufactures the PureWave® CES units, adhering to AEP Ohio's specifications. S&C's IntelliTeam® Distributed Energy Management (DEM) system will also control and dispatch all 80 CES units planned for this project, allowing them to function as a virtual power plant.

"We are pleased to work so closely with S&C Electric Company," said Stoneker. "The company is contributing significant technological expertise to the AEP Ohio gridSMART Demonstration Project, which helps us offer customers greater energy control and improve electric distribution service and performance."

"We have worked closely with AEP Ohio from project conception through testing and development and are thrilled to see our CES devices installed in the ground in Ohio," said Jim Sember, vice president, Power Quality Products, S&C. "Our priority is building CES units to suit the utility industry's needs. AEP Ohio is the first of our customers to install these devices."

CES units are provided by AEP Ohio at no additional cost to the customer. In addition, customers who voluntarily agree to have a CES unit installed on their property will receive a \$250 incentive.

The CES initiative is part of AEP Ohio's gridSMART® Demonstration Project — an initiative in a targeted geographic area that tests new technologies and consumer programs that enhance reliability and a customer's ability to control their electricity usage. As part of the project, 80 CES units will be installed in the test area by the end of the year, and 30 of them are already scheduled for installation. In total, approximately 250 homes will have access to the CES technology.

There are two CES test locations in Gahanna. The first test location boundaries are Wendler Boulevard to the north, McCutcheon Road to the south, Big Walnut Creek to the east and Hines Road to the west. The boundaries for the second area include Greys Market Drive to the north, Camden Passage Drive to the south, Applan Way to the east and Portobello Drive to the west. By limiting this test to a specific geographic area, AEP Ohio can quantify benefits for both the consumer and the utility itself. In addition, it allows AEP Ohio to easily review and assess usage data and make necessary adjustments. Depending on the results of this test and future equipment costs, AEP Ohio could plan to strategically install CES units throughout the utility's service area.

About AEP Ohio

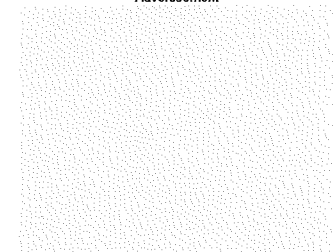
AEP Ohio provides electricity to nearly 1.5 million customers of major AEP subsidiaries Columbus Southern Power Company and Ohio Power Company in Ohio and to Wheeling Power Company in the northern panhandle of West Virginia. AEP Ohio is based in Gahanna, Ohio, and is a unit of American Electric Power. News and information about AEP Ohio can be found at aepohio.com.

About AEP

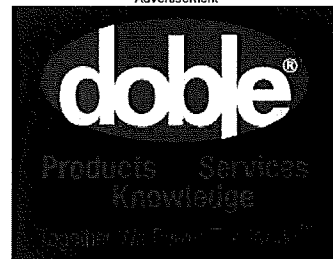
American Electric Power is one of the largest electric utilities in the United States, delivering electricity to more than 5 million customers in 11 states. AEP ranks among the nation's largest generators of electricity, owning nearly 38,000 megawatts of generating capacity in the U.S. AEP also owns the nation's largest electricity transmission system, a nearly 39,000-mile network that includes more 765 kilovolt extra-high voltage transmission lines than all other U.S. transmission systems combined. AEP's transmission system directly or indirectly serves about 10 percent of the electricity demand in the Eastern Interconnection, the interconnected transmission system that covers 38 eastern and central U.S. states and eastern Canada, and approximately 11 percent of the electricity demand in ERCOT, the transmission system that covers much of Texas. AEP's utility units operate as AEP Ohio, AEP Texas, Appalachian Power (in Virginia and West Virginia), AEP Appalachian Power (in Tennessee), Indiana Michigan Power, Kentucky Power, Public Service Company of Oklahoma, and Southwestern Electric Power Company (in Arkansas, Louisiana and east and north Texas). AEP's headquarters are in Columbus, Ohio. News releases and



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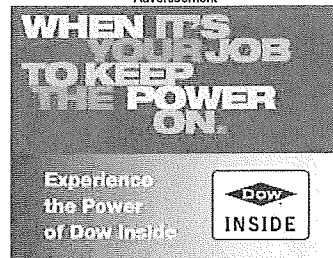
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other information about AEP can be found at aep.com.

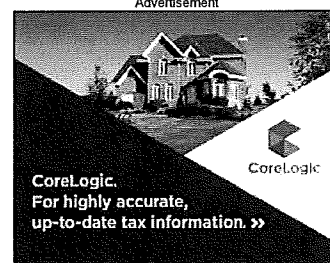
About S&C Electric Company

S&C, headquartered in Chicago, IL, is applying its heritage of innovation to address challenges facing the world's power grids and is thus shaping the future of reliable electricity delivery. The mission of employee-owned S&C is to continually develop new solutions for electricity delivery, fostering the improved efficiency and reliability required for the intelligent grid. Additional information about S&C is available at www.sandc.com.

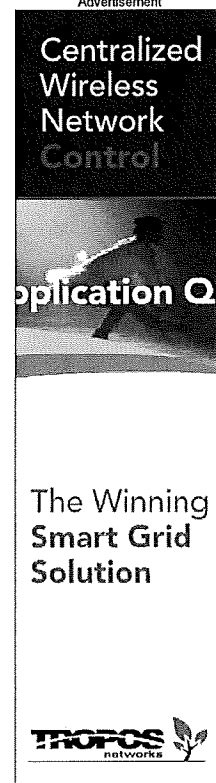
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2012 IRM3
EB-2011-169
Greater Sudbury Hydro Inc
Smart Grid Rate Adder Calculation

Rate Class	Total Revenue \$ by Rate Class	Total Revenue % by Rate Class	Revenue Allocation by Class	Billed kWh	Billed kW	Distribution Volumetric Rate kWh Rate Rider	Distribution Volumetric Rate kW Rate Rider
	A	B	C	D	E	F = C / D	G = C / E
Residential	\$13,074,256	57.10%	\$340,126	411,365,208	0	\$ 0.0008	
General Service Less Than 50 kW	\$3,644,389	15.92%	\$94,809	142,022,495	0	\$ 0.0007	
General Service 50 to 4,999 kW	\$5,401,324	23.59%	\$140,515	411,264,889	1,012,838		\$ 0.1387
Unmetered Scattered Load	\$59,489	0.26%	\$1,548	2,223,118	0	\$ 0.0007	
Sentinel Lighting	\$36,175	0.16%	\$941	567,330	1,453		\$ 0.6477
Street Lighting	\$683,324	2.98%	\$17,777	8,681,572	23,889		\$ 0.7441
General Service 50 to 4,999 kW **	\$0	0.00%	\$0	0	0		
	<u>\$22,898,957</u>	<u>100.00%</u>	<u>\$595,715</u>	<u>976,124,612</u>	<u>1,038,180</u>		

total project costs - Capital	\$ 1,098,550
2 years maintenance	\$ 92,880
Subtotal	<u>\$ 1,191,430</u>
# years	<u>2</u>
per year request	<u><u>\$ 595,715</u></u>

** This rate class was for West Nipissing customers from the 2009 rate application. They have now rolled into our GS>50 class of customer.
"Billed kWh" and "billed kW" are from the 2009 Cost of Service Application for Greater Sudbury Hydro Inc
Revenues by class are from the 2011 IRM3 application

V2.1



Ontario Energy Board

RTSR WORK FORM FOR ELECTRICITY DISTRIBUTORS

Choose Your Utility:

Greater Sudbury Hydro Inc.
Grimsby Power Inc.

Application Type: IRM3

OEB Application #: EB-2011-0169

LDC Licence #: ED-2002-0559

Last COS OEB Application #: EB-2008-0229

Last COS Re-Basing Year: 2009

Application Contact Information

Name:

Catherine Huneault

Title:

Supervisor - Accounting and Admin Services

Phone Number:

705-675-7536 ext 2241

Email Address:

catherineh@shec.com

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[2. Table of Contents](#)

[3. Rate Classes](#)

[4. RRR Data](#)

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

[6. Historical Wholesale](#)

[7. Current Wholesale](#)

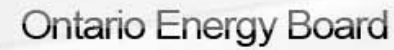
[8. Forecast Wholesale](#)

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

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

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

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



RTSR WORK FORM FOR ELECTRICITY DISTRIBUTORS

Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

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

[illegible]



Ontario Energy Board

RTSR WORK FORM FOR ELECTRICITY DISTRIBUTORS

Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

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	394,465,898		1.0527		415,254,251	-
General Service Less Than 50 kW	kWh	144,489,006		1.0527		152,103,577	-
General Service 50 to 4,999 kW	kW		965,342		0.00%	-	965,342
Unmetered Scattered Load	kWh	2,285,597		1.0527		2,406,048	-
Sentinel Lighting	kW		1,153		0.00%	-	1,153
Street Lighting	kW		24,111		0.00%	-	24,111



Uniform Transmission Rates	Unit	Effective	Effective	Effective
Rate Description		Rate	Rate	Rate
Network Service Rate	kW	\$ 2.97	\$ 3.22	\$ 3.22
Line Connection Service Rate	kW	\$ 0.73	\$ 0.79	\$ 0.79
Transformation Connection Service Rate	kW	\$ 1.71	\$ 1.77	\$ 1.77

Hydro One Sub-Transmission Rates	Unit	Effective	Effective	Effective
Rate Description		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	Unit	Effective	Effective	Effective
Rate Description		Rate	Rate	Rate
RSVA Transmission network – 4714 – which affects 1584	kW	\$ 0.0470	\$ 0.0470	\$ 0.0470
RSVA Transmission connection – 4716 – which affects 1586	kW	-\$ 0.0250	-\$ 0.0250	-\$ 0.0250
RSVA LV – 4750 – which affects 1550	kW	\$ 0.0580	\$ 0.0580	\$ 0.0580
RARA 1 – 2252 – which affects 1590	kW	-\$ 0.0750	-\$ 0.0750	-\$ 0.0750
Hydro One Sub-Transmission Rate Rider 6A	kW	<u>\$ 0.0050</u>	<u>\$ 0.0050</u>	<u>\$ 0.0050</u>



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	166,516	\$2.97	\$ 494,553	79,154	\$0.73	\$ 57,782	169,635	\$1.71	\$ 290,076	\$ 347,858
February	158,560	\$2.97	\$ 470,923	88,460	\$0.73	\$ 64,576	170,931	\$1.71	\$ 292,292	\$ 356,868
March	132,222	\$2.97	\$ 392,699	60,815	\$0.73	\$ 44,395	132,407	\$1.71	\$ 226,416	\$ 270,811
April	116,509	\$2.97	\$ 346,032	56,419	\$0.73	\$ 41,233	123,086	\$1.71	\$ 210,699	\$ 251,932
May	128,040	\$2.97	\$ 380,270	58,495	\$0.73	\$ 42,701	131,573	\$1.71	\$ 224,990	\$ 267,691
June	107,913	\$2.97	\$ 320,502	52,169	\$0.73	\$ 38,083	116,465	\$1.71	\$ 199,155	\$ 237,239
July	124,742	\$2.97	\$ 370,484	60,856	\$0.73	\$ 44,425	132,912	\$1.71	\$ 227,280	\$ 271,704
August	143,313	\$2.97	\$ 425,640	66,394	\$0.73	\$ 48,468	153,303	\$1.71	\$ 262,148	\$ 310,616
September	122,250	\$2.97	\$ 363,083	43,123	\$0.73	\$ 31,480	128,935	\$1.71	\$ 220,479	\$ 251,959
October	132,908	\$2.97	\$ 394,737	47,803	\$0.73	\$ 34,896	140,078	\$1.71	\$ 239,533	\$ 274,430
November	131,263	\$2.97	\$ 389,851	50,898	\$0.73	\$ 37,156	143,935	\$1.71	\$ 246,129	\$ 283,284
December	165,923	\$2.97	\$ 492,794	62,916	\$0.73	\$ 45,929	168,333	\$1.71	\$ 287,849	\$ 333,778
Total	1,830,159	\$ 2.97	\$ 4,841,566	727,502	\$ 0.73	\$ 531,123	1,711,593	\$ 1.71	\$ 2,927,046	\$ 3,458,170

HYDRO ONE	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	21,564	\$2.24	\$ 48,303	17,019	\$1.99	\$ 33,868	5,824	\$1.39	\$ 8,095	\$ 41,963
February	20,088	\$2.24	\$ 44,997	15,188	\$2.00	\$ 30,423	4,801	\$1.39	\$ 6,673	\$ 37,097
March	16,699	\$2.24	\$ 37,406	12,913	\$1.99	\$ 25,697	4,111	\$1.39	\$ 5,714	\$ 31,411
April	15,582	\$2.28	\$ 35,484	12,028	\$2.00	\$ 24,100	3,562	\$1.40	\$ 4,987	\$ 29,087
May	15,144	\$2.65	\$ 40,132	11,666	\$2.14	\$ 24,965	3,478	\$1.50	\$ 5,217	\$ 30,162
June	13,161	\$2.65	\$ 34,877	10,235	\$2.14	\$ 21,903	2,926	\$1.50	\$ 4,389	\$ 25,292
July	15,131	\$2.65	\$ 40,097	11,676	\$2.14	\$ 24,987	3,455	\$1.50	\$ 5,183	\$ 30,169
August	15,560	\$2.65	\$ 41,234	11,914	\$2.14	\$ 25,496	3,646	\$1.50	\$ 5,469	\$ 30,965
September	13,794	\$2.65	\$ 36,554	10,762	\$2.14	\$ 23,031	3,135	\$1.50	\$ 4,703	\$ 27,733
October	14,922	\$2.65	\$ 39,543	11,517	\$2.14	\$ 24,646	3,682	\$1.50	\$ 5,523	\$ 30,169
November	18,213	\$4.63	\$ 84,344	13,981	\$2.14	\$ 29,920	4,433	\$1.50	\$ 6,650	\$ 36,569
December	22,361	\$2.65	\$ 59,257	17,112	\$2.14	\$ 36,620	5,249	\$1.50	\$ 7,874	\$ 44,493
Total	202,219	\$ 2.68	\$ 542,227	156,011	\$ 2.09	\$ 325,655	48,302	\$ 1.46	\$ 70,476	\$ 396,130

TOTAL	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	188,080	\$2.89	\$ 542,856	96,173	\$0.95	\$ 91,650	175,459	\$1.70	\$ 298,171	\$ 389,821
February	178,648	\$2.89	\$ 515,920	103,648	\$0.92	\$ 94,999	175,732	\$1.70	\$ 298,965	\$ 393,964
March	148,921	\$2.89	\$ 430,105	73,728	\$0.95	\$ 70,092	136,518	\$1.70	\$ 232,130	\$ 302,222
April	132,091	\$2.89	\$ 381,516	68,447	\$0.95	\$ 65,332	126,648	\$1.70	\$ 215,686	\$ 281,019
May	143,184	\$2.94	\$ 420,401	70,161	\$0.96	\$ 67,667	135,051	\$1.70	\$ 230,207	\$ 297,873
June	121,074	\$2.94	\$ 355,378	62,404	\$0.96	\$ 59,986	119,391	\$1.70	\$ 203,544	\$ 263,530
July	139,873	\$2.94	\$ 410,581	72,532	\$0.96	\$ 69,412	136,367	\$1.70	\$ 232,462	\$ 301,874
August	158,873	\$2.94	\$ 466,874	78,308	\$0.94	\$ 73,964	156,949	\$1.71	\$ 267,617	\$ 341,581
September	136,044	\$2.94	\$ 399,637	53,885	\$1.01	\$ 54,510	132,070	\$1.71	\$ 225,181	\$ 279,692
October	147,830	\$2.94	\$ 434,280	59,320	\$1.00	\$ 59,543	143,760	\$1.70	\$ 245,056	\$ 304,599
November	149,476	\$3.17	\$ 474,195	64,879	\$1.03	\$ 67,075	148,368	\$1.70	\$ 252,778	\$ 319,853
December	188,284	\$2.93	\$ 552,051	80,028	\$1.03	\$ 82,548	173,582	\$1.70	\$ 295,723	\$ 378,271
Total	1,832,378	\$ 2.94	\$ 5,383,794	883,513	\$ 0.97	\$ 856,778	1,759,895	\$ 1.70	\$ 2,997,522	\$ 3,854,300



The purpose of this sheet is to calculate the expected billing when current 2011 Uniform Transmission Rates are applied against historical 2010 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
Month										
January	166,516	\$ 3,2200	\$ 536,182	79,154	\$ 0.7900	\$ 62,532	169,635	\$ 1.7700	\$ 300,254	\$ 362,786
February	158,560	\$ 3,2200	\$ 510,563	88,460	\$ 0.7900	\$ 69,883	170,931	\$ 1.7700	\$ 302,548	\$ 372,431
March	132,222	\$ 3,2200	\$ 426,755	60,815	\$ 0.7900	\$ 48,044	132,407	\$ 1.7700	\$ 234,360	\$ 282,404
April	116,509	\$ 3,2200	\$ 375,159	56,419	\$ 0.7900	\$ 44,571	123,086	\$ 1.7700	\$ 217,862	\$ 262,433
May	128,040	\$ 3,2200	\$ 412,289	58,495	\$ 0.7900	\$ 46,211	131,573	\$ 1.7700	\$ 232,884	\$ 279,095
June	107,913	\$ 3,2200	\$ 347,480	52,169	\$ 0.7900	\$ 41,214	116,465	\$ 1.7700	\$ 206,143	\$ 247,357
July	124,742	\$ 3,2200	\$ 401,669	60,856	\$ 0.7900	\$ 48,076	132,912	\$ 1.7700	\$ 235,254	\$ 283,330
August	143,313	\$ 3,2200	\$ 461,468	66,394	\$ 0.7900	\$ 52,451	153,303	\$ 1.7700	\$ 271,346	\$ 323,798
September	122,250	\$ 3,2200	\$ 393,645	43,123	\$ 0.7900	\$ 34,067	128,935	\$ 1.7700	\$ 228,215	\$ 262,282
October	132,908	\$ 3,2200	\$ 427,964	47,803	\$ 0.7900	\$ 37,764	140,078	\$ 1.7700	\$ 247,938	\$ 285,702
November	131,263	\$ 3,2200	\$ 422,667	50,898	\$ 0.7900	\$ 40,209	143,935	\$ 1.7700	\$ 254,765	\$ 294,974
December	165,923	\$ 3,2200	\$ 534,272	62,916	\$ 0.7900	\$ 49,704	168,333	\$ 1.7700	\$ 297,949	\$ 347,653
Total	1,630,159	\$ 3.22	\$ 5,249,112	727,502	\$ 0.79	\$ 574,727	1,711,593	\$ 1.77	\$ 3,029,519	\$ 3,604,246

HYDRO ONE	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
Month										
January	21,564	\$ 2,6970	\$ 58,158	17,019	\$ 0.6150	\$ 10,467	5,824	\$ 1.5000	\$ 8,736	\$ 19,203
February	20,088	\$ 2,6970	\$ 54,177	15,188	\$ 0.6150	\$ 9,341	4,801	\$ 1.5000	\$ 7,202	\$ 16,542
March	16,899	\$ 2,6970	\$ 45,037	12,913	\$ 0.6150	\$ 7,941	4,111	\$ 1.5000	\$ 6,167	\$ 14,108
April	15,582	\$ 2,6970	\$ 42,025	12,028	\$ 0.6150	\$ 7,397	3,562	\$ 1.5000	\$ 5,343	\$ 12,740
May	15,144	\$ 2,6970	\$ 40,843	11,666	\$ 0.6150	\$ 7,175	3,478	\$ 1.5000	\$ 5,217	\$ 12,392
June	13,161	\$ 2,6970	\$ 35,495	10,235	\$ 0.6150	\$ 6,295	2,926	\$ 1.5000	\$ 4,389	\$ 10,684
July	15,131	\$ 2,6970	\$ 40,808	11,676	\$ 0.6150	\$ 7,181	3,455	\$ 1.5000	\$ 5,183	\$ 12,363
August	15,560	\$ 2,6970	\$ 41,965	11,914	\$ 0.6150	\$ 7,327	3,646	\$ 1.5000	\$ 5,469	\$ 12,796
September	13,794	\$ 2,6970	\$ 37,202	10,762	\$ 0.6150	\$ 6,619	3,135	\$ 1.5000	\$ 4,703	\$ 11,321
October	14,922	\$ 2,6970	\$ 40,245	11,517	\$ 0.6150	\$ 7,063	3,682	\$ 1.5000	\$ 5,523	\$ 12,606
November	18,213	\$ 2,6970	\$ 49,120	13,981	\$ 0.6150	\$ 8,598	4,433	\$ 1.5000	\$ 6,650	\$ 15,248
December	22,361	\$ 2,6970	\$ 60,308	17,112	\$ 0.6150	\$ 10,524	5,249	\$ 1.5000	\$ 7,874	\$ 18,397
Total	202,219	\$ 2.70	\$ 545,385	156,011	\$ 0.62	\$ 95,947	48,302	\$ 1.50	\$ 72,453	\$ 168,400

TOTAL	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
Month										
January	188,080	\$ 3.16	\$ 594,340	96,173	\$ 0.76	\$ 72,998	175,459	\$ 1.76	\$ 308,990	\$ 381,988
February	178,648	\$ 3.16	\$ 564,741	103,648	\$ 0.76	\$ 79,224	175,732	\$ 1.76	\$ 309,749	\$ 388,973
March	148,921	\$ 3.16	\$ 470,792	73,728	\$ 0.76	\$ 55,985	136,518	\$ 1.76	\$ 240,527	\$ 296,512
April	132,091	\$ 3.16	\$ 417,184	68,447	\$ 0.76	\$ 51,968	126,648	\$ 1.76	\$ 223,205	\$ 275,173
May	143,184	\$ 3.16	\$ 453,132	70,161	\$ 0.76	\$ 53,386	135,051	\$ 1.76	\$ 238,101	\$ 291,487
June	121,074	\$ 3.16	\$ 382,975	62,404	\$ 0.76	\$ 47,508	119,391	\$ 1.76	\$ 210,532	\$ 258,040
July	139,873	\$ 3.16	\$ 442,478	72,532	\$ 0.76	\$ 55,257	136,367	\$ 1.76	\$ 240,437	\$ 295,694
August	158,873	\$ 3.17	\$ 503,433	78,308	\$ 0.76	\$ 59,778	156,949	\$ 1.76	\$ 276,815	\$ 336,594
September	136,044	\$ 3.17	\$ 430,847	53,885	\$ 0.76	\$ 40,686	132,070	\$ 1.76	\$ 232,917	\$ 273,603
October	147,830	\$ 3.17	\$ 468,208	59,320	\$ 0.76	\$ 44,847	143,760	\$ 1.76	\$ 253,461	\$ 298,308
November	149,476	\$ 3.16	\$ 471,787	64,879	\$ 0.75	\$ 48,808	148,368	\$ 1.76	\$ 261,414	\$ 310,222
December	188,284	\$ 3.16	\$ 594,580	80,028	\$ 0.75	\$ 60,228	173,582	\$ 1.76	\$ 305,822	\$ 366,050
Total	1,832,378	\$ 3.16	\$ 5,794,497	883,513	\$ 0.76	\$ 670,673	1,759,895	\$ 1.76	\$ 3,101,972	\$ 3,772,646



Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

The purpose of this sheet is to calculate the expected billing when forecasted 2012 Uniform Transmission Rates are applied against historical 2010 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
Month										
January	166,516	\$ 3.2200	\$ 536,182	79,154	\$ 0.7900	\$ 62,532	169,635	\$ 1.7700	\$ 300,254	\$ 362,786
February	158,560	\$ 3.2200	\$ 510,563	88,460	\$ 0.7900	\$ 69,883	170,931	\$ 1.7700	\$ 302,548	\$ 372,431
March	132,222	\$ 3.2200	\$ 425,755	60,815	\$ 0.7900	\$ 48,044	132,407	\$ 1.7700	\$ 234,360	\$ 282,404
April	116,509	\$ 3.2200	\$ 375,159	56,419	\$ 0.7900	\$ 44,571	123,086	\$ 1.7700	\$ 217,862	\$ 262,433
May	128,040	\$ 3.2200	\$ 412,289	58,495	\$ 0.7900	\$ 46,211	131,573	\$ 1.7700	\$ 232,884	\$ 279,095
June	107,913	\$ 3.2200	\$ 347,480	52,169	\$ 0.7900	\$ 41,214	116,465	\$ 1.7700	\$ 206,143	\$ 247,357
July	124,742	\$ 3.2200	\$ 401,669	60,856	\$ 0.7900	\$ 48,076	132,912	\$ 1.7700	\$ 235,254	\$ 283,330
August	143,313	\$ 3.2200	\$ 461,468	66,394	\$ 0.7900	\$ 52,451	153,303	\$ 1.7700	\$ 271,346	\$ 323,798
September	122,250	\$ 3.2200	\$ 393,645	43,123	\$ 0.7900	\$ 34,067	128,935	\$ 1.7700	\$ 228,215	\$ 262,282
October	132,908	\$ 3.2200	\$ 427,964	47,803	\$ 0.7900	\$ 37,764	140,078	\$ 1.7700	\$ 247,938	\$ 295,702
November	131,263	\$ 3.2200	\$ 422,667	50,898	\$ 0.7900	\$ 40,209	143,935	\$ 1.7700	\$ 254,765	\$ 294,974
December	165,923	\$ 3.2200	\$ 534,272	62,916	\$ 0.7900	\$ 49,704	168,333	\$ 1.7700	\$ 297,949	\$ 347,653
Total	1,630,159	\$ 3.22	\$ 5,249,112	727,502	\$ 0.79	\$ 574,727	1,711,593	\$ 1.77	\$ 3,029,519	\$ 3,604,246

HYDRO ONE	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
Month										
January	21,564	\$ 2.6970	\$ 58,158	17,019	\$ 0.6150	\$ 10,467	5,824	\$ 1.5000	\$ 8,736	\$ 19,203
February	20,088	\$ 2.6970	\$ 54,177	15,188	\$ 0.6150	\$ 9,341	4,801	\$ 1.5000	\$ 7,202	\$ 16,542
March	16,699	\$ 2.6970	\$ 45,037	12,913	\$ 0.6150	\$ 7,941	4,111	\$ 1.5000	\$ 6,167	\$ 14,108
April	15,582	\$ 2.6970	\$ 42,025	12,028	\$ 0.6150	\$ 7,397	3,562	\$ 1.5000	\$ 5,343	\$ 12,740
May	15,144	\$ 2.6970	\$ 40,843	11,666	\$ 0.6150	\$ 7,175	3,478	\$ 1.5000	\$ 5,217	\$ 12,392
June	13,161	\$ 2.6970	\$ 35,495	10,235	\$ 0.6150	\$ 6,295	2,926	\$ 1.5000	\$ 4,389	\$ 10,684
July	15,131	\$ 2.6970	\$ 40,808	11,676	\$ 0.6150	\$ 7,181	3,455	\$ 1.5000	\$ 5,183	\$ 12,363
August	15,560	\$ 2.6970	\$ 41,965	11,914	\$ 0.6150	\$ 7,327	3,646	\$ 1.5000	\$ 5,469	\$ 12,796
September	13,794	\$ 2.6970	\$ 37,202	10,762	\$ 0.6150	\$ 6,619	3,135	\$ 1.5000	\$ 4,703	\$ 11,321
October	14,922	\$ 2.6970	\$ 40,245	11,517	\$ 0.6150	\$ 7,083	3,682	\$ 1.5000	\$ 5,523	\$ 12,606
November	18,213	\$ 2.6970	\$ 49,120	13,981	\$ 0.6150	\$ 8,598	4,433	\$ 1.5000	\$ 6,650	\$ 15,248
December	22,361	\$ 2.6970	\$ 60,308	17,112	\$ 0.6150	\$ 10,524	5,249	\$ 1.5000	\$ 7,874	\$ 18,397
Total	202,219	\$ 2.70	\$ 545,385	156,011	\$ 0.62	\$ 95,947	48,302	\$ 1.50	\$ 72,453	\$ 168,400

TOTAL	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
Month										
January	188,080	\$ 3.16	\$ 594,340	96,173	\$ 0.76	\$ 72,998	175,459	\$ 1.76	\$ 308,990	\$ 381,988
February	178,646	\$ 3.16	\$ 564,741	103,948	\$ 0.76	\$ 79,224	175,732	\$ 1.76	\$ 309,749	\$ 388,973
March	148,921	\$ 3.16	\$ 470,792	73,728	\$ 0.76	\$ 55,985	136,518	\$ 1.76	\$ 240,527	\$ 296,512
April	132,091	\$ 3.16	\$ 417,184	68,447	\$ 0.76	\$ 51,968	126,648	\$ 1.76	\$ 223,205	\$ 275,173
May	143,184	\$ 3.16	\$ 453,132	70,161	\$ 0.76	\$ 53,386	135,051	\$ 1.76	\$ 238,101	\$ 291,487
June	121,074	\$ 3.16	\$ 382,975	62,404	\$ 0.76	\$ 47,508	119,391	\$ 1.76	\$ 210,532	\$ 258,040
July	139,873	\$ 3.16	\$ 442,478	72,532	\$ 0.76	\$ 55,257	136,367	\$ 1.76	\$ 240,437	\$ 295,694
August	158,873	\$ 3.17	\$ 503,433	78,308	\$ 0.76	\$ 59,778	156,949	\$ 1.76	\$ 276,815	\$ 336,594
September	136,044	\$ 3.17	\$ 430,847	53,885	\$ 0.76	\$ 40,686	132,070	\$ 1.76	\$ 232,917	\$ 273,603
October	147,830	\$ 3.17	\$ 468,208	59,320	\$ 0.76	\$ 44,847	143,760	\$ 1.76	\$ 253,461	\$ 298,308
November	149,476	\$ 3.16	\$ 471,787	64,879	\$ 0.75	\$ 48,808	148,368	\$ 1.76	\$ 261,414	\$ 310,222
December	188,284	\$ 3.16	\$ 594,580	80,028	\$ 0.75	\$ 60,228	173,582	\$ 1.76	\$ 305,822	\$ 366,050
Total	1,832,378	\$ 3.16	\$ 5,794,497	883,513	\$ 0.76	\$ 670,673	1,759,895	\$ 1.76	\$ 3,101,972	\$ 3,772,646



Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

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	Adjusted RTSR Network
Residential	kWh	\$ 0.0054	415,254,251	-	\$ 2,242,373	38.8%	\$ 2,248,927	\$ 0.0054
General Service Less Than 50 kW	kWh	\$ 0.0039	152,103,577	-	\$ 593,204	10.3%	\$ 594,938	\$ 0.0039
General Service 50 to 4,999 kW	kW	\$ 2.9980	-	965,342	\$ 2,894,095	50.1%	\$ 2,902,554	\$ 3.0068
Unmetered Scattered Load	kWh	\$ 0.0039	2,406,048	-	\$ 9,384	0.2%	\$ 9,411	\$ 0.0039
Sentinel Lighting	kW	\$ 1.6112	-	1,153	\$ 1,858	0.0%	\$ 1,863	\$ 1.6159
Street Lighting	kW	\$ 1.5220	-	24,111	\$ 36,697	0.6%	\$ 36,804	\$ 1.5264
					\$ 5,777,610			



Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

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	Adjusted RTSR Connection
Residential	kWh	\$ 0.0036	415,254,251	-	\$ 1,494,915	38.9%	\$ 1,466,628	\$ 0.0035
General Service Less Than 50 kW	kWh	\$ 0.0026	152,103,577	-	\$ 395,469	10.3%	\$ 387,986	\$ 0.0026
General Service 50 to 4,999 kW	kW	\$ 1.9922	-	965,342	\$ 1,923,154	50.0%	\$ 1,886,764	\$ 1.9545
Unmetered Scattered Load	kWh	\$ 0.0026	2,406,048	-	\$ 6,256	0.2%	\$ 6,137	\$ 0.0026
Sentinel Lighting	kW	\$ 1.0705	-	1,153	\$ 1,234	0.0%	\$ 1,211	\$ 1.0502
Street Lighting	kW	\$ 1.0112	-	24,111	\$ 24,381	0.6%	\$ 23,920	\$ 0.9921
					\$ 3,845,410			



Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

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	\$ 0.0054	415,254,251	-	\$ 2,248,927	38.8%	\$ 2,248,927	\$ 0.0054
General Service Less Than 50 kW	kWh	\$ 0.0039	152,103,577	-	\$ 594,938	10.3%	\$ 594,938	\$ 0.0039
General Service 50 to 4,999 kW	kW	\$ 3.0068	-	965,342	\$ 2,902,554	50.1%	\$ 2,902,554	\$ 3.0068
Unmetered Scattered Load	kWh	\$ 0.0039	2,406,048	-	\$ 9,411	0.2%	\$ 9,411	\$ 0.0039
Sentinel Lighting	kW	\$ 1.6159	-	1,153	\$ 1,863	0.0%	\$ 1,863	\$ 1.6159
Street Lighting	kW	\$ 1.5264	-	24,111	\$ 36,804	0.6%	\$ 36,804	\$ 1.5264
					\$ 5,794,497			



Greater Sudbury Hydro Inc. - EB-2011-0169 - IRM3

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	\$ 0.0035	415,254,251	-	\$ 1,466,628	38.9%	\$ 1,466,628	\$ 0.0035
General Service Less Than 50 kW	kWh	\$ 0.0026	152,103,577	-	\$ 387,986	10.3%	\$ 387,986	\$ 0.0026
General Service 50 to 4,999 kW	kW	\$ 1.9545	-	965,342	\$ 1,886,764	50.0%	\$ 1,886,764	\$ 1.9545
Unmetered Scattered Load	kWh	\$ 0.0026	2,406,048	-	\$ 6,137	0.2%	\$ 6,137	\$ 0.0026
Sentinel Lighting	kW	\$ 1.0502	-	1,153	\$ 1,211	0.0%	\$ 1,211	\$ 1.0502
Street Lighting	kW	\$ 0.9921	-	24,111	\$ 23,920	0.6%	\$ 23,920	\$ 0.9921
					\$ 3,772,646			



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 2012 Rate Generator.

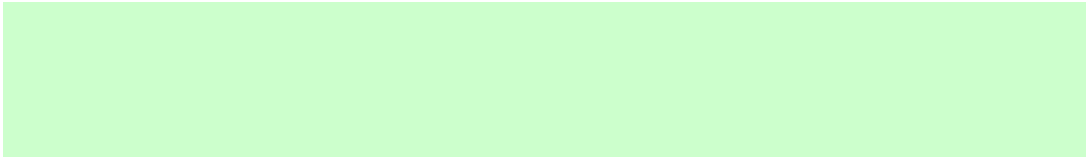
Rate Class	Unit	Proposed RTSR Network		Proposed RTSR Connection	
Residential	kWh	\$	0.0054	\$	0.0035
General Service Less Than 50 kW	kWh	\$	0.0039	\$	0.0026
General Service 50 to 4,999 kW	kW	\$	3.0068	\$	1.9545
Unmetered Scattered Load	kWh	\$	0.0039	\$	0.0026
Sentinel Lighting	kW	\$	1.6159	\$	1.0502
Street Lighting	kW	\$	1.5264	\$	0.9921

Greater Sudbury Hydro Inc.
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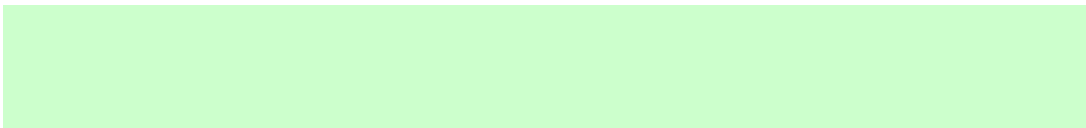
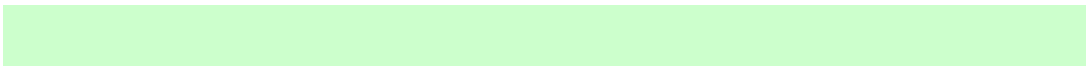
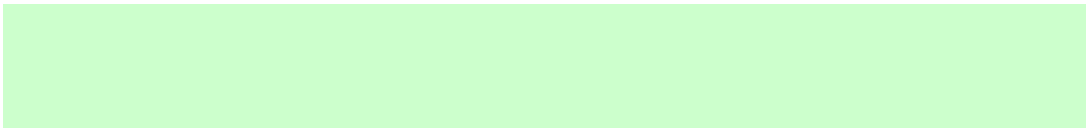
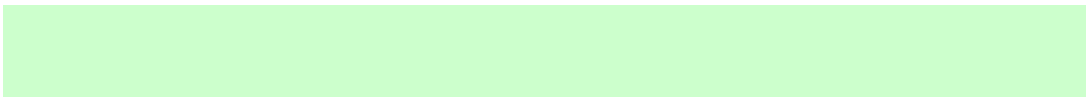
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2011-0169

RESIDENTIAL SERVICE CLASSIFICATION



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.00
Rate Rider for Recovery of Late Payment Penalty Litigation Costs	\$	0.17
Distribution Volumetric Rate	\$/kWh	0.0123
Low Voltage Service Rate - Effective Until	\$/kWh	0.0002
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kWh	-0.0005
Smart Grid Rate Adder - Effective Until April 20, 2014	\$/kWh	0.0008
Rate Rider for Loss Revenue Adjustment Mechanism - Effective Until April 30, 2013	\$/kWh	0.0005
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0054
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0035

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

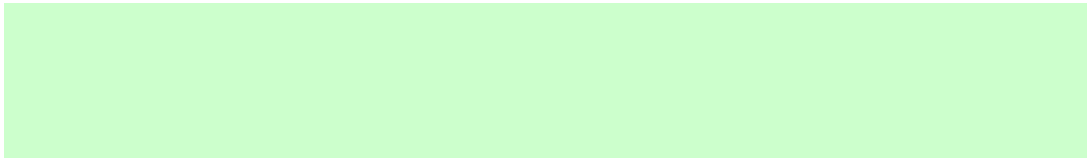
Greater Sudbury Hydro Inc.
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Implementation Date May 1, 2012

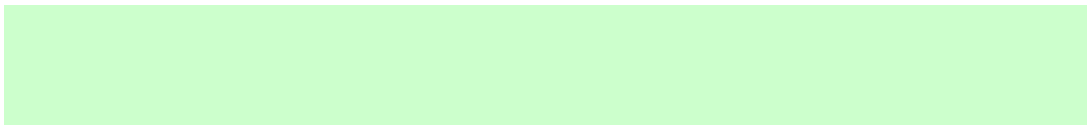
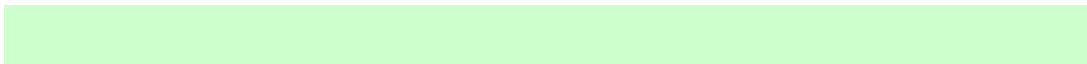
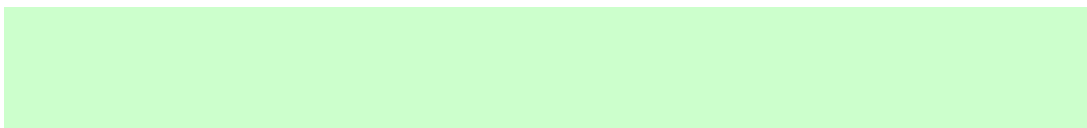
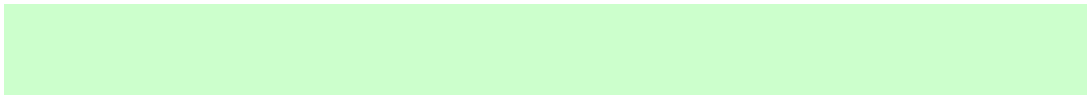
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2011-0169

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	21.36
Distribution Volumetric Rate	\$/kWh	0.0184
Low Voltage Service Rate - Effective Until	\$/kWh	0.0001
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kWh	-0.0004
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kWh	0.0006
Rate Rider for Loss Revenue Adjustment Mechanism - Effective Until April 30, 2013	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc. TARIFF OF RATES AND CHARGES Effective Date May 1, 2012 Implementation Date May 1, 2012

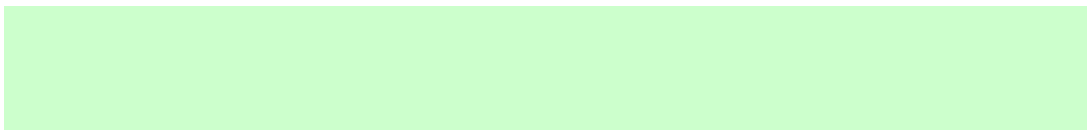
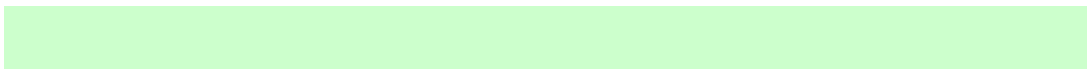
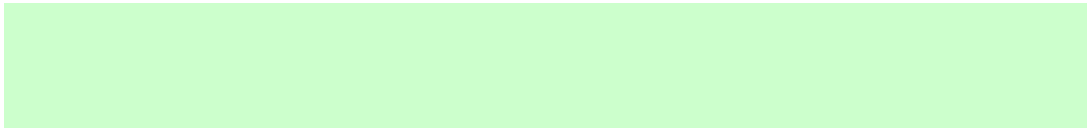
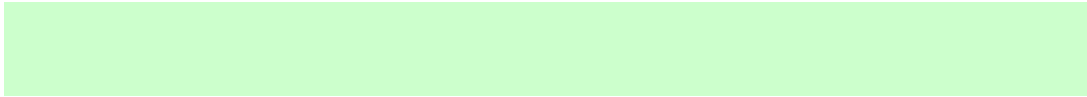
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2011-0169

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	163.03
Distribution Volumetric Rate	\$/kW	4.2328
Low Voltage Service Rate - Effective Until	\$/kW	0.0937
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kW	-0.0876
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kW	0.132
Rate Rider for Loss Revenue Adjustment Mechanism - Effective Until April 30, 2013	\$/kW	0.0888
Rate Rider for Deferral/Variance Account Disposition (2012)	\$/kW	0.0041
Retail Transmission Rate – Network Service Rate	\$/kW	3.0068
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.9545

MONTHLY RATES AND CHARGES – Regulatory Component

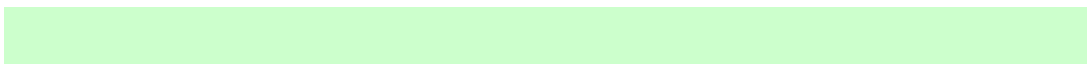
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
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EB-2011-0169

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION



APPLICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.98
Distribution Volumetric Rate	\$/kWh	0.0122
Low Voltage Service Rate - Effective Until	\$/kWh	0.0001
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kWh	-0.0004
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kWh	0.0007
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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EB-2011-0169

SENTINEL LIGHTING SERVICE CLASSIFICATION

APPLICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.68
Distribution Volumetric Rate	\$/kW	11.7646
Low Voltage Service Rate - Effective Until	\$/kW	0.0503
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kW	-0.4715
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kW	0.451
Rate Rider for Deferral/Variance Account Disposition (2012)	\$/kW	0.0039
Retail Transmission Rate – Network Service Rate	\$/kW	1.6159
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0502

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

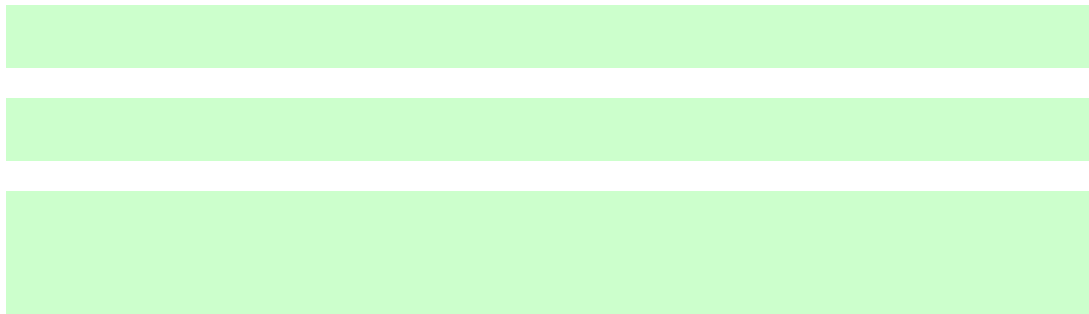
Greater Sudbury Hydro Inc.
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STREET LIGHTING SERVICE CLASSIFICATION

APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.69
Distribution Volumetric Rate	\$/kW	10.7206
Low Voltage Service Rate - Effective Until	\$/kW	0.0475
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kW	-0.0945
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kW	0.3955
Rate Rider for Deferral/Variance Account Disposition (2012)	\$/kW	0.0037
Retail Transmission Rate – Network Service Rate	\$/kW	1.5264
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9921

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc. TARIFF OF RATES AND CHARGES Effective Date May 1, 2012 Implementation Date May 1, 2012

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EB-2011-0169

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 Condition of Service.

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to

be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for the Ministry of Energy Conservation and Renewable Energy Programs, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.25
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Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012
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EB-2011-0169

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 %		(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 electric 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
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	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

Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

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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 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 of 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 factor will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0527
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0422

V1.3



Ontario Energy Board

**3RD Generation Incentive
Regulation Model**

Choose Your Utility:

Fort Frances Power Corporation
Greater Sudbury Hydro Inc.

Application Type: IRM3

OEB Application #: EB-2011-0169

LDC Licence #: ED-2002-0559

Application Contact Information

Name: Catherine Huneault

Title: Supervisor Accounting and Admin Services

Phone Number: 705-675-7536 ext 2241

Email Address: catherineh@shec.com

We are applying for rates effective: May 1, 2012

Please indicate the version of Microsoft Excel
that you are currently using: Excel 2007

Legend

DROP-DOWN MENU

INPUT FIELD

CALCULATION FIELD

Copyright

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.



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Note: The microFIT class does not exist in the drop-down menu below as it will automatically be inserted into your proposed Tariff Schedule.

[illegible]



3RD Generation Incentive Regulation Model

Greater Sudbury Hydro Inc. - EB-2011-0169

Please note that unlike the Distribution Volumetric Rates, which will be entered in the following two tabs, all current Monthly Fixed Charges, including the base charges, must be entered on this tab. Please enter the descriptions of the current Monthly Fix Charges exactly as they appear on your most recent Board-Approved Tariff of Rates and Charges by using the drop-down menus under the column labeled "Rate Description". If the description is not found in the drop-down menu, please enter the description in the green cells under the correct class exactly as it appears on the tariff. Once a description is selected or entered into the green cells, the input cells for the "Unit", "Amount", and "Effective Date" will appear. Please note that the base Monthly Fixed Charge is identified in the drop-down list as a "Service Charge" to coincide with the description on the tariff. Please do not enter more than one "Service Charge" for each class for which a base monthly fixed charge applies. **Note: Do not enter Standard Supply Service Rate. The rate will appear automatically on the final Tariff of Rates and Charges.

[illegible]





Ontario Energy Board

3RD Generation Incentive
Regulation Model

Greater Sudbury Hydro Inc. - EB-2011-0169

For each class, please enter the base Distribution Volumetric Rates ("DVR") from your most recent Board-Approved Tariff of Rates and Charges by using the drop-down menus and input cells in columns labeled "Unit" and "Amount".

Rate Description	Unit	Amount
Residential	\$/kWh	0.01230
General Service Less Than 50 kW	\$/kWh	0.01840
General Service 50 to 4,999 kW	\$/kW	4.23360
Unmetered Scattered Load	\$/kWh	0.01220
Sentinel Lighting	\$/kW	11.76700
Street Lighting	\$/kW	10.72270



Please enter the descriptions of all other current Variable Rates, including any applicable low voltage charges, rate riders, rate adders, etc. from your most recent Board-Approved Tariff of Rates and Charges by using the drop-down menus located under the column labeled "Rate Description". If the description is not found in the drop-down menu, please enter the description of the associated rate in the green cells exactly as it appears on the tariff. Once a description is selected or entered into the green cells, the input cells for the "Unit", "Amount", and "Effective Date" will appear. **Note: Do not enter the WMSR or RRRP Rate below. These rates will appear automatically on the final Tariff of Rates and Charges.

[illegible]

[illegible]





Ontario Energy Board

**3RD Generation Incentive
Regulation Model**

Greater Sudbury Hydro Inc. - EB-2011-0169

Please enter your RTS-Network Rates from your most recent Board-Approved Tariff of Rates and Charges by using the drop-down menus under the column labeled "Rate Description". If the description is not found in the drop-down menu, please enter the description in the green cells under the correct classes exactly as it appears on the tariff.

Rate Description	Unit	Amount
Residential		
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00540
General Service Less Than 50 kW		
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00390
General Service 50 to 4,999 kW		
Retail Transmission Rate – Network Service Rate	\$/kW	2.99800
Unmetered Scattered Load		
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00390
Sentinel Lighting		
Retail Transmission Rate – Network Service Rate	\$/kW	1.61120
Street Lighting		
Retail Transmission Rate – Network Service Rate	\$/kW	1.52200



Please enter your RTS-Connection Rates from your most recent Board-Approved Tariff of Rates and Charges by using the drop-down menus under the column labeled "Rate Description". If the description is not found in the drop-down menu, please enter the description in the green cells under the correct classes exactly as it appears on the tariff.

Rate Description	Unit	Amount
Residential		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00360
General Service Less Than 50 kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00260
General Service 50 to 4,999 kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.99220
Unmetered Scattered Load		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00260
Sentinel Lighting		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.07050
Street Lighting		
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.01120



Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1562. Enter information into green cells only. Lines 51-61 contain footnotes and further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DVA schedule below will be the balance sheet date as per your G/L for which you received approval. For example, if in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2009 balances, the starting point for your entries below should be the adjustment column AV for principal and column BA for interest. This will allow for the correct starting point for the 2010 opening balance columns (for both principal and interest) without requiring entries dating back to the beginning of the continuity schedule in Jan 1, 2005.

		2005										
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-05	Transactions Debit/ (Credit) during 2005 excluding interest and adjustments ⁵	Board-Approved Disposition during 2005	Adjustments during 2005 - other ⁵	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 ⁵	Closing Interest Amounts as of Dec-31-05	
Group 1 Accounts												
LV Variance Account	1550					\$ -					\$ -	
RSVA - Wholesale Market Service Charge	1580					\$ -					\$ -	
RSVA - Retail Transmission Network Charge	1584					\$ -					\$ -	
RSVA - Retail Transmission Connection Charge	1586					\$ -					\$ -	
RSVA - Power (excluding Global Adjustment)	1588					\$ -					\$ -	
RSVA - Power - Sub-Account - Global Adjustment	1588					\$ -					\$ -	
Recovery of Regulatory Asset Balances	1590					\$ -					\$ -	
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595					\$ -					\$ -	
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595					\$ -					\$ -	
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Special Purpose Charge Assessment Variance Account												
	1521											
Deferred Payments in Lieu of Taxes												
	1562											
Group 1 Total + 1521 + 1562		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
The following is not included in the total claim but are included on a memo basis:												
Board-Approved CDM Variance Account	1567											
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592											
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592											
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592					\$ -					\$ -	
Disposition and Recovery of Regulatory Balances ⁷	1595					\$ -					\$ -	

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 Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board

² Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs write-off, etc.

^{2A} Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the 2006 EDR and account 1595 during the 2008 EDR and subsequent years as ordered by the Board.

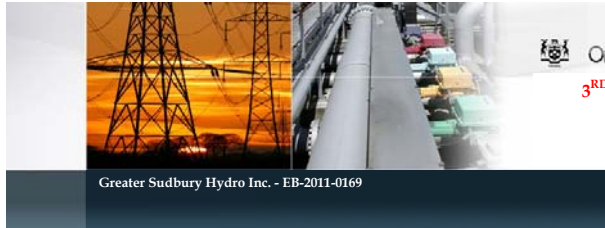
³ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

⁴ Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 and 29.

⁵ For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

⁶ If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2011 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 11 on the December 31, 2010 balance. The projected interest is recorded from May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved by the Board in the 2011 rate decision.

⁷ Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has been completed, and the audited financial statements support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include the balances in Account 1595 on a memo basis only (line 49).



Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1562, and provide footnotes and further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 year-end balance. If you have received approval, for example, in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2011 balance. For principal and column BA for interest. This will allow for the correct starting point for the 2010 opening balance. The beginning of the continuity schedule is: Jan 1, 2006.

		2006									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-06	Transactions Debit / (Credit) during 2006 excluding interest and adjustments ⁵	Board-Approved Disposition during 2006 ^{2, 2A}	Adjustments during 2006 - other ³	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 ^{2, 2A}	Adjustments during 2006 - other ³	Closing Interest Amounts as of Dec-31-06
Group 1 Accounts											
LV Variance Account	1550	\$ -				\$ -	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521										
Deferred Payments in Lieu of Taxes	1562										
Group 1 Total + 1521 + 1562		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:											
Board-Approved CDM Variance Account	1567										
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ -				\$ -	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e. negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved di Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 : For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the trans If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2 Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from Janus recorded from May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances app Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period h support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, incl



Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1562, and provide footnotes and further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 year-end balance. For example, if in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2010 balance, you should enter the balance in the 2011 column AV for principal and column BA for interest. This will allow for the correct starting point for the 2010 opening balance in the continuity schedule for 2011. 2011

		2007									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-07	Transactions Debit / (Credit) during 2007 excluding interest and adjustments ⁵	Board-Approved Disposition during 2007	Adjustments during 2007 - other ³	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 ³	Closing Interest Amounts as of Dec-31-07
Group 1 Accounts											
LV Variance Account	1550	\$ -				\$ -	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account											
	1521										
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -	\$ -				\$ -
Group 1 Total + 1521 + 1562		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:											
Board-Approved CDM Variance Account	1567										
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ -				\$ -	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e. negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved di Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 : For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the trans If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2 Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from Janus recorded from May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances app Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period h support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, incl



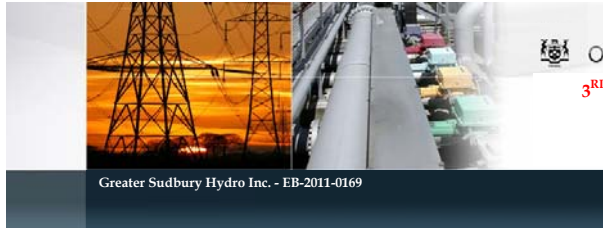
Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1562, and provide footnotes and further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 year-end balance. If you have received approval, for example, in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2010 balance, you should enter the 2010 balance in the 2011 column. This will allow for the correct starting point for the 2010 opening balance in the continuity schedule for 2011. 2011

		2008									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-08	Transactions Debit / (Credit) during 2008 excluding interest and adjustments ⁵	Board-Approved Disposition during 2008	Adjustments during 2008 - other ³	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 ³	Closing Interest Amounts as of Dec-31-08
Group 1 Accounts											
LV Variance Account	1550	\$ -				\$ -	\$ -				\$ -
RSVA - Wholesale Market Service Charge	1580	\$ -				\$ -	\$ -				\$ -
RSVA - Retail Transmission Network Charge	1584	\$ -				\$ -	\$ -				\$ -
RSVA - Retail Transmission Connection Charge	1586	\$ -				\$ -	\$ -				\$ -
RSVA - Power (excluding Global Adjustment)	1588	\$ -				\$ -	\$ -				\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -				\$ -	\$ -				\$ -
Recovery of Regulatory Asset Balances	1590	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Purpose Charge Assessment Variance Account											
	1521										
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -	\$ -				\$ -
Group 1 Total + 1521 + 1562		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:											
Board-Approved CDM Variance Account	1567										
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ -				\$ -	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g., negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dis Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 : For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the trans If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2 Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from Janu recorded from May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances app Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period h support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, incl



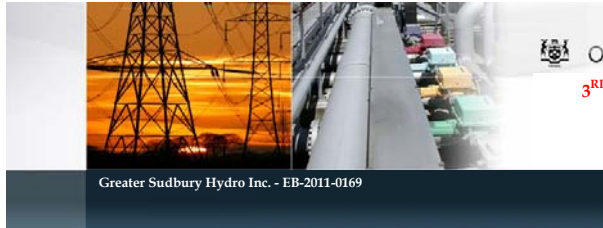
Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1595, and provide footnotes and further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 year-end balance. For example, if in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2010 balance, you should enter the 2010 balance in the 2012 DV. This will allow for the correct starting point for the 2010 opening balance in the continuity schedule for 2012.

		2009									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions Debit / (Credit) during 2009 excluding interest and adjustments ⁵	Board-Approved Disposition during 2009	Adjustments during 2009 - other ³	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 ³	Closing Interest Amounts as of Dec-31-09
Group 1 Accounts											
LV Variance Account	1550	\$ -	\$ 33,803			\$ 33,803	\$ -	\$ 544			\$ 544
RSVA - Wholesale Market Service Charge	1580	\$ -	\$ 569,587			\$ 569,587	\$ -	\$ 9,253			\$ 9,253
RSVA - Retail Transmission Network Charge	1584	\$ -	\$ 136,182			\$ 136,182	\$ -	\$ 1,078			\$ 1,078
RSVA - Retail Transmission Connection Charge	1586	\$ -	\$ 42,059			\$ 42,059	\$ -	\$ 621			\$ 621
RSVA - Power (excluding Global Adjustment)	1588	\$ -	\$ 66,361			\$ 66,361	\$ -	\$ 853			\$ 853
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ 1,052,065			\$ 1,052,065	\$ -	\$ 6,904			\$ 6,904
Recovery of Regulatory Asset Balances	1590	\$ -	\$ 96,314			\$ 96,314	\$ -	\$ 1,675			\$ 1,675
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595	\$ -				\$ -	\$ -				\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ 531,847	\$ -	\$ -	\$ 531,847	\$ -	\$ 18,598	\$ -	\$ -	\$ 18,598
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ 520,218	\$ -	\$ -	\$ 520,218	\$ -	\$ 11,694	\$ -	\$ -	\$ 11,694
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ 1,052,065	\$ -	\$ -	\$ 1,052,065	\$ -	\$ 6,904	\$ -	\$ -	\$ 6,904
Special Purpose Charge Assessment Variance Account											
	1521										
Deferred Payments in Lieu of Taxes	1562	\$ -				\$ -	\$ -				\$ -
Group 1 Total + 1521 + 1562		\$ -	\$ 531,847	\$ -	\$ -	\$ 531,847	\$ -	\$ 18,598	\$ -	\$ -	\$ 18,598
The following is not included in the total claim but are included on a memo basis:											
Board-Approved CDM Variance Account	1567										
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592										
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -				\$ -	\$ -				\$ -
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ -				\$ -	\$ -				\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g., negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of this. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions. If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2011. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances applicable. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include



Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1595. See the notes to the financial statements for further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2011 balance. For example, if in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2011 balance, you should enter the 2011 balance in the 2012 DV. This will allow for the correct starting point for the 2010 opening balance in the continuity schedule for 2012.

		2010											
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-10	Transactions Debit / (Credit) during 2010 excluding interest and adjustments ⁵	Board-Approved Disposition during 2010	Other ³ Adjustments during Q1 2010	Other ³ Adjustments during Q2 2010	Other ³ Adjustments during Q3 2010	Other ³ Adjustments during Q4 2010	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 ³
Group 1 Accounts													
LV Variance Account	1550	\$ 33,803	-\$ 34,065						-\$ 262	\$ 544	\$ 12		
RSVA - Wholesale Market Service Charge	1580	-\$ 569,587	\$ 1,155,719						\$ 1,725,306	-\$ 9,253	\$ 9,060		
RSVA - Retail Transmission Network Charge	1584	\$ 136,182	\$ 408,212						\$ 544,394	-\$ 1,078	\$ 2,638		
RSVA - Retail Transmission Connection Charge	1586	\$ 42,059	\$ 30,753						\$ 11,306	-\$ 621	\$ 734		
RSVA - Power (excluding Global Adjustment)	1588	-\$ 66,361	\$ 192,891						\$ 126,530	-\$ 853	\$ 14,549		
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 1,052,065	\$ 279,903						\$ 1,331,968	-\$ 6,904	\$ 5,150		
Recovery of Regulatory Asset Balances	1590	-\$ 96,314	-\$ 11,429						-\$ 107,743	\$ 1,675	-\$ 827		
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595	\$ -							\$ -	\$ -			
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595	\$ -							\$ -	\$ -			
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ 531,847	-\$ 350,961	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,886	-\$ 18,598	\$ 1,428	\$ -	\$ -
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		-\$ 520,218	\$ 630,863	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,151,081	-\$ 11,694	\$ 6,578	\$ -	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ 1,052,065	\$ 279,903	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,331,968	-\$ 6,904	\$ 5,150	\$ -	\$ -
Special Purpose Charge Assessment Variance Account	1521	\$ 378,888	-\$ 232,810					-\$ 138,090	\$ 7,988		\$ 1,718		
Deferred Payments in Lieu of Taxes	1562	\$ -							\$ -	\$ -			
Group 1 Total + 1521 + 1562		\$ 910,735	-\$ 583,771	\$ -	\$ -	\$ -	\$ -	-\$ 138,090	\$ 188,874	-\$ 18,598	\$ 3,146	\$ -	\$ -
The following is not included in the total claim but are included on a memo basis:													
Board-Approved CDM Variance Account	1567								\$ -	\$ -			
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592								\$ -	\$ -			
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592		\$ 55,681						\$ 55,681	\$ -			
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -	-\$ 55,681						-\$ 55,681	\$ -			
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ -							\$ -	\$ -			

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e. negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved di Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 : For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the trans If the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2 Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from Janus recorded from May 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances app Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period h support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, incl



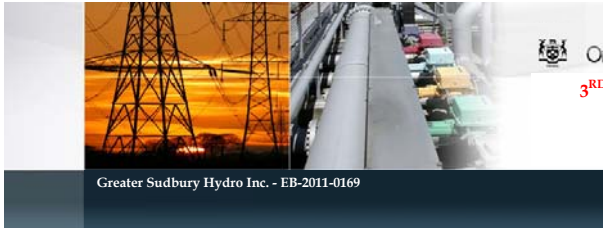
Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1595. See the instructions on page 3 of the Continuity Schedule for further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 ending balance. For example, if in the 2011 EDR process (CoS or IRM) you received approval for the December 31, 2010 ending balance for principal and column BA for interest. This will allow for the correct starting point for the 2010 opening balance to be used in the continuity schedule for 2011.

Account Descriptions	Account Number	Closing Interest Amounts as of Dec-31-10
Group 1 Accounts		
LV Variance Account	1550	\$ 556
RSVA - Wholesale Market Service Charge	1580	-\$ 18,313
RSVA - Retail Transmission Network Charge	1584	\$ 1,560
RSVA - Retail Transmission Connection Charge	1586	-\$ 113
RSVA - Power (excluding Global Adjustment)	1588	\$ 13,696
RSVA - Power - Sub-Account - Global Adjustment	1588	-\$ 12,054
Recovery of Regulatory Asset Balances	1590	-\$ 2,502
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595	\$ -
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595	\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		-\$ 17,170
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		-\$ 5,116
RSVA - Power - Sub-Account - Global Adjustment	1588	-\$ 12,054
Special Purpose Charge Assessment Variance Account	1521	\$ 1,718
Deferred Payments in Lieu of Taxes	1562	\$ -
Group 1 Total + 1521 + 1562		-\$ 15,452
The following is not included in the total claim but are included on a memo basis:		
Board-Approved CDM Variance Account	1567	\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ -
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g., positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w/o adjustments instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of the Board's decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transition balance in the 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2011. Board in the 2011 rate decision. If the LDC's 2011 rate year started May 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances approved in the 2011 rate decision. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include the underlying residual balance in account 1595.



Please complete the following continuity schedule for your Group 1 Deferral / Variance Accounts, Account 1521 and Account 1595, and provide footnotes and further instructions.

If you have received approval to dispose of balances from prior years, the starting point for entries in the 2012 DV is the 2011 EDR process (CoS or IRRM) you received approval for. For example, if in the 2011 EDR process (CoS or IRRM) you received approval for the December 2010 balance, record the 2010 balance in the 2012 DV column AV for principal and column BA for interest. This will allow for the correct starting point for the 2010 opening balance in the continuity schedule for 2012.

Account Descriptions	Account Number	2011				Projected Interest on Dec-31-10 Balances			2.1.7 RRR	Variance RRR vs. 2010 Balance (Principal + Interest)
		Principal Disposition during 2011 - instructed by Board	Interest Disposition during 2011 - instructed by Board	Closing Principal Balances as of Dec 31-10 Adjusted for Dispositions during 2011	Closing Interest Balances as of Dec 31-10 Adjusted during 2011 Disposition	Projected Interest from Jan 1, 2011 to December 31, 2011 on Dec 31 -10 balance adjusted for disposition during 2011 ⁵	Projected Interest from January 1, 2012 to April 30, 2012 on Dec 31 -10 balance adjusted for disposition during 2011 ^{6,7}	Total Claim	As of Dec 31-10 ⁴	
Group 1 Accounts										
LV Variance Account	1550			-\$ 262	\$ 556	-\$ 1	\$ 4	288	\$ 293	\$ 0
RSVA - Wholesale Market Service Charge	1580			-\$ 1,725,306	\$ 18,313	-\$ 8,454	-\$ 25,362	1,777,435	-\$ 1,743,619	\$ 0
RSVA - Retail Transmission Network Charge	1584			\$ 544,394	\$ 1,560	\$ 2,668	\$ 8,003	556,624	\$ 545,955	\$ 1
RSVA - Retail Transmission Connection Charge	1586			\$ 11,306	\$ 113	\$ 55	\$ 166	11,414	\$ 11,193	\$ 0
RSVA - Power (excluding Global Adjustment)	1588			\$ 126,530	\$ 13,696	\$ 620	\$ 1,860	142,706	\$ 140,226	\$ -
RSVA - Power - Sub-Account - Global Adjustment	1588			\$ 1,331,968	\$ 12,054	\$ 6,527	\$ 19,580	1,346,020	\$ 1,319,914	\$ 0
Recovery of Regulatory Asset Balances	1590			-\$ 107,743	-\$ 2,502	-\$ 528	-\$ 1,584	112,356	-\$ 1,180,950	\$ 1,070,706
Disposition and Recovery of Regulatory Balances (2008) ⁷	1595			\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
Disposition and Recovery of Regulatory Balances (2009) ⁷	1595			\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
Group 1 Sub-Total (including Account 1588 - Global Adjustment)		\$ -	\$ -	\$ 180,886	-\$ 17,170	\$ 886	\$ 2,659	167,261	-\$ 906,988	\$ 1,070,704
Group 1 Sub-Total (excluding Account 1588 - Global Adjustment)		\$ -	\$ -	\$ 1,151,081	-\$ 5,116	\$ 5,640	-\$ 16,921	1,178,759	-\$ 2,226,902	\$ 1,070,705
RSVA - Power - Sub-Account - Global Adjustment	1588	\$ -	\$ -	\$ 1,331,968	-\$ 12,054	\$ 6,527	\$ 19,580	1,346,020	\$ 1,319,914	\$ 0
Special Purpose Charge Assessment Variance Account	1521					\$ 39	\$ 117	9,863	\$ 147,796	\$ 138,090
Deferred Payments in Lieu of Taxes	1562			\$ -	\$ -	\$ -	\$ -	-	-\$ 1,303,163	\$ 1,303,163
Group 1 Total + 1521 + 1562		\$ -	\$ -	\$ 180,886	-\$ 17,170	\$ 925	\$ 2,776	177,124	-\$ 2,062,355	\$ 2,235,777
The following is not included in the total claim but are included on a memo basis:										
Board-Approved CDM Variance Account	1567					\$ -	\$ -	-	\$ -	\$ -
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592					\$ -	\$ -	-	\$ -	\$ -
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592					\$ 273	\$ 819	56,773	\$ -	\$ 55,681
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592					-\$ 273	-\$ 819	56,773	\$ -	\$ 55,681
Disposition and Recovery of Regulatory Balances ⁷	1595					\$ -	\$ -	-	\$ -	\$ -

For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g., positive or negative figure) as per the related Board decision.

Applicants may wish to propose kWh as the allocator for account 1521 pending a final decision of the Board. Provide supporting statement indicating whether due to denial of costs in 2006 EDR by the Board, 10% transition costs w/ Adjustments Instructed by the Board include deferral/variance account balances moved to Account 1590 as a result of this decision. Please provide explanations for the nature of the adjustments. If the adjustment relates to previously Board Approved dispositions, please provide a breakdown in rows 28 to 31. Although the Global Adjustment Account is not reported separately under 2.1.7, please provide a breakdown in rows 28 to 31. For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction in the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to December 31, 2011; for RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transaction in the LDC's 2011 rate year started January 1, the projected interest is recorded from January 1, 2011 to April 30, 2012 on the December 31, 2010 balance adjusted for the disposed balances app. Include Account 1595 as part of Group 1 accounts (line 31) for review and disposition if the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595. If the recovery (or refund) period has not been completed, include support the underlying residual balance in account 1595.



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.

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
Residential	\$/kWh	411,365,208		62,876,902	-	13,074,256	57%		
General Service Less Than 50 kW	\$/kWh	142,022,495		20,857,089	-	3,644,389	16%		
General Service 50 to 4,999 kW	\$/kW	411,264,899	1,012,838	284,410,361	700,428	5,124,845	24%		
Unmetered Scattered Load	\$/kWh	2,223,118		3,575,065	-	59,489	2%		
Sentinel Lighting	\$/kW	567,330	1,453	11,021	28	36,175	0%		
Street Lighting	\$/kW	8,681,572	23,889		-	683,324	0%		
Total		976,124,622	1,038,180	371,730,438	700,457	22,622,478	100%	0%	0%
Total Claim (including Accounts 1521 and 1562)		\$	177,124						
Total Claim for Threshold Test (All Group 1 Accounts)		\$	167,261						
Threshold Test ³ (Total Claim per kWh)			0.00017	Claim does not meet the threshold test. If data has been entered on Sheet 9 for Accounts 1521 and 1562, the model will only dispose of Accounts 1521 and 1562.					

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 balance.

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 nor 1562.



No input required. This worksheet allocates the deferral/variance account balances (Group 1, 1521, 1588 GA and 1562) to the appropriate classes.

Allocation of Group 1 Accounts (Excluding Account 1588 - Global Adjustment)

Rate Class	Units	Billed kWh	% kWh	1550	1580	1584	1586	1588*	1590	1595 (2008)	1595 (2009)	1521	Total
Residential	\$/kWh	411,365,208	42.14%	0	0	0	0	0	0	0	0	4,156	4,156
General Service Less Than 50 kW	\$/kWh	142,022,495	14.55%	0	0	0	0	0	0	0	0	1,435	1,435
General Service 50 to 4,999 kW	\$/kW	411,264,899	42.13%	0	0	0	0	0	0	0	0	4,155	4,155
Unmetered Scattered Load	\$/kWh	2,223,118	0.23%	0	0	0	0	0	0	0	0	22	22
Sentinel Lighting	\$/kW	567,330	0.06%	0	0	0	0	0	0	0	0	6	6
Street Lighting	\$/kW	8,681,572	0.89%	0	0	0	0	0	0	0	0	88	88
Total		976,124,622	100.00%	288	(1,777,435)	556,624	11,414	142,706	(112,356)	0	0	9,863	9,863

* RSVA - Power (Excluding Global Adjustment)

1588 RSVA - Power (Global Adjustment Sub-Account)

Rate Class	non-RPP kWh	% kWh	1588
Residential	62,876,902	16.91%	-
General Service Less Than 50 kW	20,857,089	5.61%	-
General Service 50 to 4,999 kW	284,410,361	76.51%	-
Unmetered Scattered Load	3,575,065	0.96%	-
Sentinel Lighting	11,021	0.00%	-
Street Lighting	-	0.00%	-
Total	371,730,438	100.00%	1,346,020

Allocation of Account 1562

	% of Distribution Revenue	Allocation of Balance in Account 1562
Residential	57.8%	-
General Service Less Than 50 kW	16.1%	-
General Service 50 to 4,999 kW	22.7%	-
Unmetered Scattered Load	0.3%	-
Sentinel Lighting	0.2%	-
Street Lighting	3.0%	-
Total	100.0%	-



Greater Sudbury Hydro Inc. - EB-2011-0169

No input required. This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and associated rate riders for the global adjustment sub-account.

Please indicate the Rate Rider Recovery Period (in years)

Rate Class	Unit	Billed kWh	Billed kW	Accounts Allocated by kWh/kW (RPP) or Distribution Revenue	Deferral/Variance Account Rate Rider		Account 1588 Global Adjustment	Billed kWh or Estimated kW for Non-RPP	Global Adjustment Rate Rider
Residential	\$/kWh	411,365,208	-	\$ 4,156	\$0.00001	\$/kWh	\$ -	62,876,902	\$0.00000
General Service Less Than 50 kW	\$/kWh	142,022,495	-	\$ 1,435	\$0.00001	\$/kWh	\$ -	20,857,089	\$0.00000
General Service 50 to 4,999 kW	\$/kW	411,264,899	1,012,838	\$ 4,155	\$0.00410	\$/kW	\$ -	700,428	\$0.00000
Unmetered Scattered Load	\$/kWh	2,223,118	-	\$ 22	\$0.00001	\$/kWh	\$ -	3,575,065	\$0.00000
Sentinel Lighting	\$/kW	567,330	1,453	\$ 6	\$0.00395	\$/kW	\$ -	28	\$0.00000
Street Lighting	\$/kW	8,681,572	23,889	\$ 88	\$0.00367	\$/kW	\$ -	-	\$0.00000
Total		976,124,622	1,038,180	\$ 9,863			\$ -		





Ontario Energy Board

**3RD Generation Incentive
Regulation Model**

Greater Sudbury Hydro Inc. - EB-2011-0169

Below is a listing of the current Monthly Fixed Charges. All rates with expired effective dates have been removed. In columns "B", "K", and "M" (green cells), please enter all additional Monthly Fixed Charges you are proposing (eg: Smart Meter Funding Adder, etc). Please ensure that the word "Rider" or "Adder" is included in the description (as applicable).

Rate Description	Unit	Amount	Effective Until Date	Proposed Amount	Effective Date
Residential					
Service Charge	\$	16.00			
Rate Rider for Recovery of Late Payment Penalty Litigation Costs	\$	0.17	April 30, 2012		
	\$				
	\$				
	\$				
General Service Less Than 50 kW					
Service Charge	\$	21.36			
	\$				
	\$				
	\$				
General Service 50 to 4,999 kW					
Service Charge	\$	163.06			
	\$				
	\$				
	\$				
Unmetered Scattered Load					
Service Charge (per connection)	\$	7.98			
	\$				
	\$				
	\$				
Sentinel Lighting					
Service Charge (per connection)	\$	3.68			
	\$				
	\$				
	\$				
Street Lighting					
Service Charge (per connection)	\$	3.69			



Greater Sudbury Hydro Inc. - EB-2011-0169

Below is a listing of the current Distribution Volumetric Rates other than the base rates. All rates with expired effective dates have been removed. In columns "B", "K", and "M" (green cells), please enter all additional volumetric rates you are proposing (eg: LRAM/SSM, Tax Adjustments, etc.). Please ensure that the word "Rider" or "Adder" is included in the description (as applicable).

Rate Description	Unit	Amount	Effective Until Date	Proposed Amount	Effective Until Date
Residential					
Low Voltage Service Rate	\$/kWh	0.00020			
Rate Rider for Tax Change	\$/kWh			-0.00050	April 30, 2013
Smart Grid Rate Adder	\$/kWh			0.00080	April 20, 2014
Rate Rider for Loss Revenue Adjustment Mechanism	\$/kWh			0.00050	April 30, 2013
General Service Less Than 50 kW					
Low Voltage Service Rate	\$/kWh	0.00010			
Rate Rider for Tax Change	\$/kWh			-0.00040	April 30, 2013
Smart Grid Rate Adder	\$/kWh			0.00060	April 30, 2014
Rate Rider for Loss Revenue Adjustment Mechanism	\$/kWh			0.00030	April 30, 2013
General Service 50 to 4,999 kW					
Low Voltage Service Rate	\$/kW	0.09370			
Rate Rider for Tax Change	\$/kW			-0.08760	April 30, 2013
Smart Grid Rate Adder	\$/kW			0.13200	April 30, 2014
Rate Rider for Loss Revenue Adjustment Mechanism	\$/kW			0.08880	April 30, 2013
Unmetered Scattered Load					
Low Voltage Service Rate	\$/kWh	0.00010			
Rate Rider for Tax Change	\$/kWh			-0.00040	April 30, 2013
Smart Grid Rate Adder	\$/kWh			0.00070	April 30, 2014

[illegible][illegible]



Current RTSR-Network Rates are listed below. In column "K", please enter your proposed RTSR-Network Rates as per Sheet 13 of the Board's RTSR Workform.

Rate Description	Unit	Current Amount	% Adjustment	Proposed Amount
Residential				
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00540	0.000%	0.00540
General Service Less Than 50 kW				
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00390	0.000%	0.00390
General Service 50 to 4,999 kW				
Retail Transmission Rate – Network Service Rate	\$/kW	2.99800	0.294%	3.00680
Unmetered Scattered Load				
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00390	0.000%	0.00390
Sentinel Lighting				
Retail Transmission Rate – Network Service Rate	\$/kW	1.61120	0.292%	1.61590
Street Lighting				
Retail Transmission Rate – Network Service Rate	\$/kW	1.52200	0.289%	1.52640



Current RTSR-Connection Rates are listed below. In column "K", please enter your proposed RTSR-Connection Rates as per Sheet 13 of the Board's RTSR Workform.

Rate Description	Unit	Current Amount	% Adjustment	Proposed Amount
Residential				
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00360	-2.778%	0.00350
General Service Less Than 50 kW				
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00260	0.000%	0.00260
General Service 50 to 4,999 kW				
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.99220	-1.892%	1.95450
Unmetered Scattered Load				
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00260	0.000%	0.00260
Sentinel Lighting				
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.07050	-1.896%	1.05020
Street Lighting				
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.01120	-1.889%	0.99210



If applicable, please enter any adjustments related to the revenue to cost ratio model into columns H and K.
The Price Escalator has been set at the 2011 values and will be updated by Board staff. The Stretch Factor Value will also be updated by Board staff.

Price Escalator 1.30% Productivity Factor 0.72% Price Cap Index -0.02%

Choose Stretch Factor Group III Associated Stretch Factor Value 0.6%

Rate Description	Unit	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	Unit	DVR Adjustment from R/C Model	Price Cap Index	Proposed MFC	Proposed Volumetric Charge
Residential	\$	16.00		0.01230	\$/kWh		-0.020%	16.00	0.01230
General Service Less Than 50 kW	\$	21.36		0.01840	\$/kWh		-0.020%	21.36	0.01840
General Service 50 to 4,999 kW	\$	163.06		4.23360	\$/kW		-0.020%	163.03	4.23275
Unmetered Scattered Load	\$	7.98		0.01220	\$/kWh		-0.020%	7.98	0.01220
Sentinel Lighting	\$	3.68		11.76700	\$/kW		-0.020%	3.68	11.76465
Street Lighting	\$	3.69		10.72270	\$/kW		-0.020%	3.69	10.72056





Ontario Energy Board

3RD Generation Incentive
Regulation Model

Greater Sudbury Hydro Inc. - EB-2011-0169

Please enter the descriptions of the current Loss Factors from your most recent Board-Approved Tariff of Rates and Charges by using the drop-down menu in the column labeled "Loss Factors". If the description is not found in the drop-down menu, please enter the description in the green cells under the correct classes.

Are you applying

Loss Factors

Current

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

1.0527
1.0422

UNIT	CURRENT
------	---------

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

APPLICATION

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

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

Arrears certificate
Statement of account
Returned cheque charge (plus bank charges)
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)

\$	15.00
\$	15.00
\$	15.00
\$	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

Other

[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

Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012
Implementation Date May 1, 2012

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

EB-2011-0169

RESIDENTIAL SERVICE CLASSIFICATION

APPLICATION

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.00
Rate Rider for Recovery of Late Payment Penalty Litigation Costs	\$	0.17
Distribution Volumetric Rate	\$/kWh	0.0123
Low Voltage Service Rate - Effective Until	\$/kWh	0.0002
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kWh	-0.0005
Smart Grid Rate Adder - Effective Until April 20, 2014	\$/kWh	0.0008
Rate Rider for Loss Revenue Adjustment Mechanism - Effective Until	\$/kWh	0.0005
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0054
Retail Transmission Rate – Line and Transformation Connection	\$/kWh	0.0035

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.

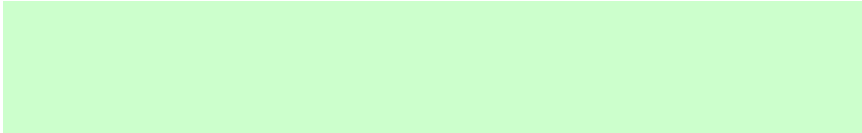
TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012
Implementation Date May 1, 2012

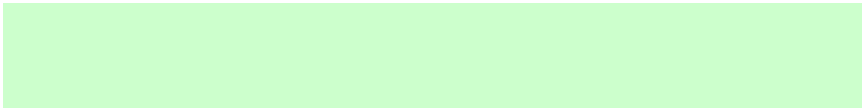
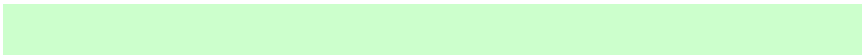
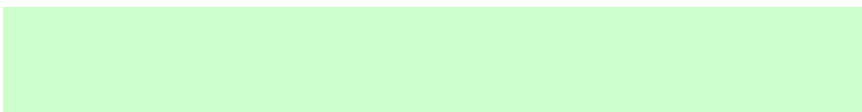
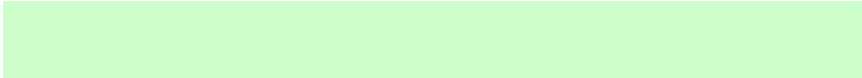
This schedule supersedes and replaces all previously approved schedules of Rates,

EB-2011-0169

GENERAL SERVICE LESS THAN 50 KW SERVICE



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	21.36
Distribution Volumetric Rate	\$/kWh	0.0184
Low Voltage Service Rate - Effective Until	\$/kWh	0.0001
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kWh	-0.0004
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kWh	0.0006
Rate Rider for Loss Revenue Adjustment Mechanism - Effective Until	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection	\$/kWh	0.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.

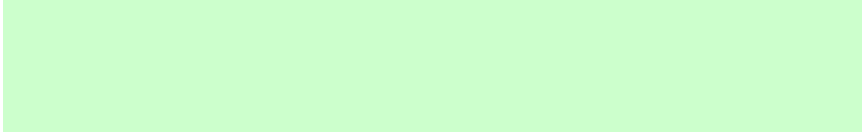
TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012
Implementation Date May 1, 2012

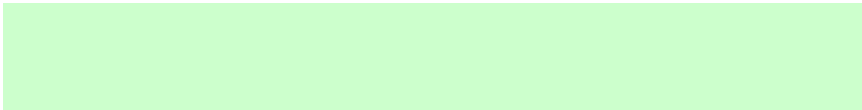
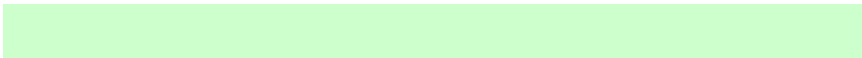
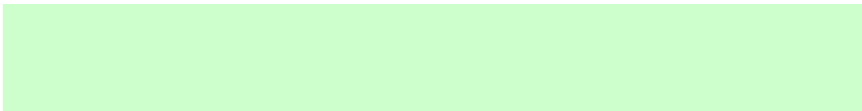
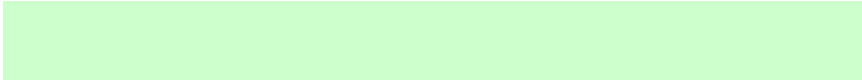
This schedule supersedes and replaces all previously approved schedules of Rates,

EB-2011-0169

GENERAL SERVICE 50 TO 4,999 KW SERVICE



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	163.03
Distribution Volumetric Rate	\$/kW	4.2328
Low Voltage Service Rate - Effective Until	\$/kW	0.0937
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kW	-0.0876
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kW	0.132
Rate Rider for Loss Revenue Adjustment Mechanism - Effective Until April 30, 2014	\$/kW	0.0888
Rate Rider for Deferral/Variance Account Disposition (2012)	\$/kW	0.0041
Retail Transmission Rate – Network Service Rate	\$/kW	3.0068
Retail Transmission Rate – Line and Transformation Connection Charge	\$/kW	1.9545

MONTHLY RATES AND CHARGES – Regulatory Component

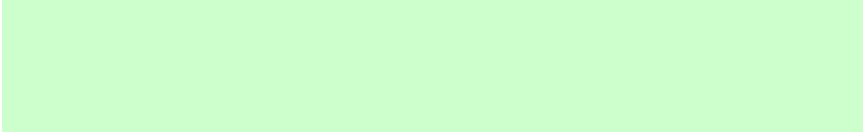
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012
Implementation Date May 1, 2012

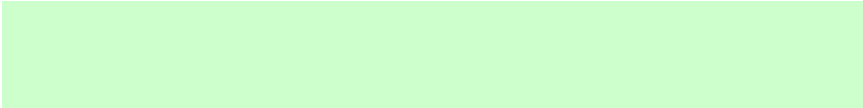
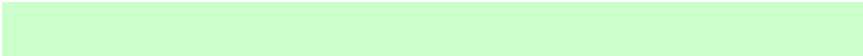
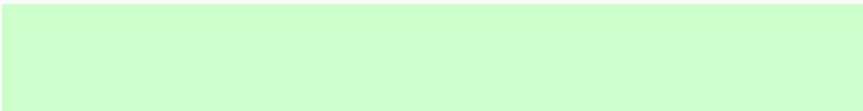
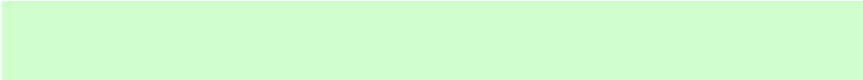
This schedule supersedes and replaces all previously approved schedules of Rates,

EB-2011-0169

UNMETERED SCATTERED LOAD SERVICE



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.98
Distribution Volumetric Rate	\$/kWh	0.0122
Low Voltage Service Rate - Effective Until	\$/kWh	0.0001
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kWh	-0.0004
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kWh	0.0007
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection	\$/kWh	0.0026

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.

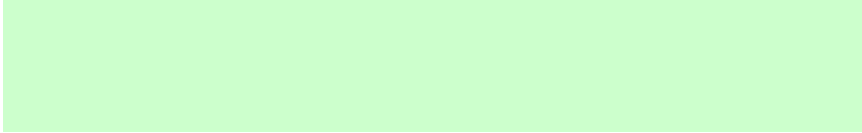
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Effective Date May 1, 2012
Implementation Date May 1, 2012

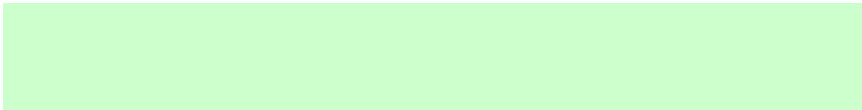
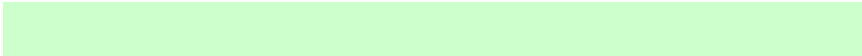
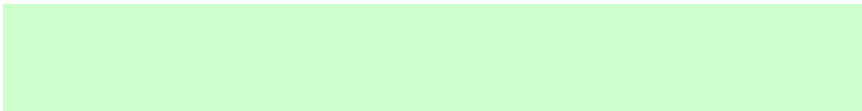
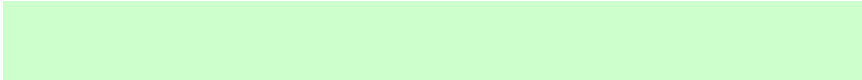
This schedule supersedes and replaces all previously approved schedules of Rates,

EB-2011-0169

SENTINEL LIGHTING SERVICE CLASSIFICATION



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.68
Distribution Volumetric Rate	\$/kW	11.7646
Low Voltage Service Rate - Effective Until	\$/kW	0.0503
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kW	-0.4715
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kW	0.451
Rate Rider for Deferral/Variance Account Disposition (2012)	\$/kW	0.0039
Retail Transmission Rate – Network Service Rate	\$/kW	1.6159
Retail Transmission Rate – Line and Transformation Connection	\$/kW	1.0502

MONTHLY RATES AND CHARGES – Regulatory Component

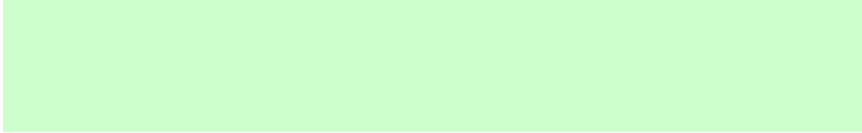
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012
Implementation Date May 1, 2012

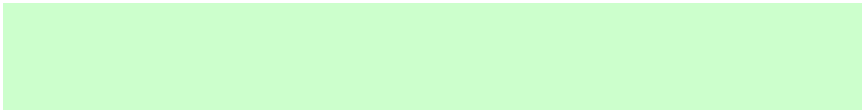
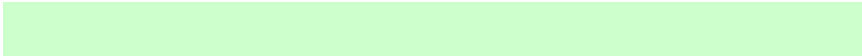
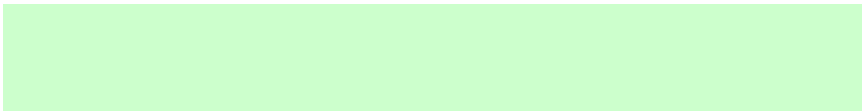
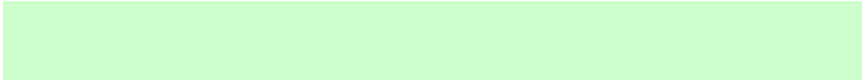
This schedule supersedes and replaces all previously approved schedules of Rates,

EB-2011-0169

STREET LIGHTING SERVICE CLASSIFICATION



APPLICATION



MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.69
Distribution Volumetric Rate	\$/kW	10.7206
Low Voltage Service Rate - Effective Until	\$/kW	0.0475
Rate Rider for Tax Change - Effective Until April 30, 2013	\$/kW	-0.0945
Smart Grid Rate Adder - Effective Until April 30, 2014	\$/kW	0.3955
Rate Rider for Deferral/Variance Account Disposition (2012)	\$/kW	0.0037
Retail Transmission Rate – Network Service Rate	\$/kW	1.5264
Retail Transmission Rate – Line and Transformation Connection	\$/kW	0.9921

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Greater Sudbury Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective Date May 1, 2012
Implementation Date May 1, 2012

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

EB-2011-0169

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 Condition of Service.

APPLICATION

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

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule unless required by the Distributor's Licence or a

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.25
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Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012
Implementation Date May 1, 2012

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

EB-2011-0169

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distribution System, the Order of the Board, and amendments thereto as approved by the Board, which may be applied 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 Licence shall be made except as permitted by this schedule, unless required by the Distribution System's Licence 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 invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Incentive, the Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the Energy Benefit and the HST.

Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit)	\$	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

Greater Sudbury Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective Date May 1, 2012
Implementation Date May 1, 2012

This schedule supersedes and replaces all previously approved schedules of Rates,
RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distribution Order of the Board, and amendments thereto as approved by the Board, which may be applied in the administration of this schedule.

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

Unless specifically noted, this schedule does not contain any charges for the electricity component of 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 invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Incentive, the Ministry of Energy Conservation and Renewable Energy Program, the Global Adjustment, the 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	\$	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 Regulation 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)	\$	2.00

LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0527
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0422



Rate Class

Residential

Monthly Rates and Charges	Current Rate	Applied For Rate
Service Charge	16.00	16.00
Smart Meter Funding Adder	1.94	-
Service Charge Rate Rider(s)	0.17	0.17
Distribution Volumetric Rate	0.01230	0.01230
Distribution Volumetric Rate Rider(s)	(0.00040)	0.00001
Low Voltage Volumetric Rate	0.00020	0.00020
Retail Transmission Rate – Network Service Rate	0.00540	0.00540
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.00360	0.00350
Wholesale Market Service Rate	0.0052	0.0052
Rural Rate Protection Charge	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	0.25	0.25
Debt Retirement Charge (DRC)	0.0070	0.0070
Loss Factor	1.0527	1.0527

Consumption	800	kWh	kW
RPP Tier One	600	kWh	Load Factor

Current Loss Factor
Proposed Loss Factor

Residential	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)
Energy First Tier (kWh)	600.00	0.0680	40.80	600.00	0.0680	40.80	0.00
Energy Second Tier (kWh)	242.16	0.0790	19.13	242.16	0.0790	19.13	0.00
Sub-Total: Energy			59.93			59.93	0.00
Service Charge	1	16.00	16.00	1	16.00	16.00	-0.00
Service Charge Rate Rider(s)	1	2.11	2.11	1	0.17	0.17	-1.94
Distribution Volumetric Rate	800	0.0123	9.84	800	0.0123	9.84	-0.00
Low Voltage Volumetric Rate	800	0.0002	0.16	800	0.0002	0.16	0.00
Distribution Volumetric Rate Rider(s)	800	(0.0004)	(0.32)	800	0.0000	0.01	0.33
Total: Distribution			27.79			26.17	-1.62
Retail Transmission Rate – Network Service Rate	842.16	0.0054	4.55	842.16	0.0054	4.55	0.00
Retail Transmission Rate – Line and Transformation Connection Service Rate	842.16	0.0036	3.03	842.16	0.0035	2.95	-0.08
Total: Retail Transmission			7.58			7.50	-0.08
Sub-Total: Delivery (Distribution and Retail Transmission)			35.37			33.67	-1.70
Wholesale Market Service Rate	842.16	0.0052	4.38	842.16	0.0052	4.38	0.00
Rural Rate Protection Charge	842.16	0.0013	1.09	842.16	0.0013	1.09	0.00
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00
Sub-Total: Regulatory			5.72			5.72	
Debt Retirement Charge (DRC)	800.00	0.00700	5.60	800	0.0070	5.60	0.00
Total Bill before Taxes			106.62			104.92	-1.70
HST		13%	13.86		13%	13.64	-0.22
Total Bill			120.49			118.56	-1.92
Ontario Clean Energy Benefit (OCEB)		(10%)	-12.05		(10%)	-11.86	
Total Bill (less OCEB)			108.44			106.71	(1.73)



1.0527
1.0527

Change (%)	% of Total Bill
0.00%	34.41%
0.00%	16.14%
0.00%	50.55%
(0.02)%	13.49%
(91.94)%	0.14%
(0.02)%	8.30%
0.00%	0.13%
(102.53)%	0.01%
(5.82)%	22.08%
0.00%	3.84%
(2.78)%	2.49%
(1.11)%	6.32%
(4.81)%	28.40%
0.00%	3.69%
0.00%	0.92%
0.00%	0.21%
	4.83%
0.00%	4.72%
(1.60)%	88.50%
(1.60)%	11.50%
(1.60)%	100.00%
(1.60)%	