CANADIAN NIAGARA POWER INC.
A FORTIS ONTARIO Company

October 12, 2022

Ms. Nancy Marconi
Registrar
Ontario Energy Board
2300 Yonge Street, 27th floor
Toronto, ON M4P 1E4

Dear Ms. Marconi:

Re: Canadian Niagara Power Inc. ("CNPI") – 2023 IRM Application Interrogatory Responses
(EB-2022-0019)

As set out in the OEB's September 15, 2022 Procedural Order No. 1, please find attached CNPI's responses to interrogatories from OEB staff and VECC.

CNPI confirms that the responses do not include personal information as that phrase is defined in the *Freedom of Information and Protection of Privacy Act*.

Please direct any questions or correspondence in this matter to the undersigned.

Sincerely,

Oana Stefan

Digitally signed by Oana Stefan
Date: 2022.10.12 14:23:22 -04'00'

Oana Stefan
Manager, Regulatory Affairs
RegulatoryAffairs@FortisOntario.com

Preamble:

In preparing its Interrogatory Responses, CNPI has identified certain model updates required, as outlined below. Attachment A to these interrogatory responses represents the updated model reflecting the necessary changes, and builds upon the model included with OEB Staff's interrogatories.

Interrogatory Reference	Change Required	Models Impacted
Staff-3b)	Updated historical Hydro One line connection service statistics in the month of December	Attachment A - Rate Generator – Tab 12-RTSR Historical Wholesale (cell J49) (and corresponding updates throughout the model)
Staff-7c)	Capital amount included in Z factor claim updated to include only storm costs relate to December 11/22.	Attachment A- Rate Generator- Tab 18. Additional Rates: Updated Storm Recovery Rate Riders (see derivation below)
Staff-7 c)	Capital Amount included in Z factor claim updated to include only Overtime Capitalized Labour.	Attachment A- Rate Generator- Tab 18. Additional Rates: Updated Storm Recovery Rate Riders (see derivation below)

As a result of the updates in the response to Staff-7c), the following updates to the Z-Factor claim and rate rider calculations are provided. The tables below outline the calculation of Z-Factor claim and rate riders, and correspond with the tables in the original Application and Evidence.

Updated Table 5- Summary of Storm Costs

Category	Amount
Capital (Z-Factor)	$183,447
Capital (Regular-Time Labour)	$100,460
O&M (Regular-Time Labour)	$55,615
O&M (Recorded in Acct 1572)	$135,887
Total Storm Costs	**$475,409**

Updated Table 6- Summary of Z-Factor Claim

Category	Amount
Acct 1572 Principal Balance	$135,887
Acct 1572 2022 Interest Forecast	$1,000
Capital Expenditures Revenue Requirement	$12,100
Total Z-Factor Claim	**$148,987**

Updated Table 7 – Revenue Requirement Impact of Capital Expenditures

Description	Rate (%)	Amount
Incremental Capital		$183,447
Depreciation Expense		-$4,100
Incremental Capital to be included in Rate Base		**$179,347**
Deemed Short Term Debt (4%)	1.76%	$100
Deemed Long Term Debt (56%)	5.81%	$5,800
Deemed Equity (40%)	8.78%	$6,300
Amortization Expense		$4,100
Grossed Up PILS		-$4,200
Revenue Requirement		**$12,100**
PILs Calculation		
Deemed Equity		$6,300
Add Back Amortization Expense		$4,100
Deduct Enhanced CCA Expense	12.00%	-$22,000
Taxable Income		**-$11,600**
PILs Before Gross Up	26.50%	-$3,100
Incremental Grossed Up PILS		-$4,200

Table 9 – Z-Factor Allocation and Rate Rider Summary

Rate Class	Unit	Allocated Revenue (2017 COS)	% Allocation	Total Z-Factor Claim	Customer Count (from 2021 RRR 2.1.2)	Z-Factor Rate Rider (per customer / connection per month)	Z-Factor Revenue Reconciliation
Residential	kWh	$13,474,424	63%	$93,859	27,335	$0.29	$95,126
General Service Less Than 50 kW	kWh	$2,652,019	12%	$18,473	2,505	$0.61	$18,337
General Service 50 to 4,999 KW	kW	$4,684,181	22%	$32,629	201	$13.53	$32,634
Embedded Distributor	kW	$132,000	1%	$919	1	$76.62	$919
Unmetered Scattered Load	kWh	$67,846	0%	$473	43	$0.92	$475
Standby Power	kW	$0	0%	$0	1	$0.00	$0
Sentinel Lighting	kW	$61,500	0%	$428	499	$0.07	$419
Street Lighting	kW	$316,701	1%	$2,206	6,010	$0.03	$2,164
TOTAL		**$21,388,671**	**100%**	**$148,987**			**$150,074**

Staff-1
Ref 1: Rate Generator Model, Tab 3. Continuity Schedule, Column BD Ref 2: 2022 DVA Continuity Schedule (Settlement), Tab 2.a Continuity Schedule, Column BD1

Preamble:

Column BD in Reference 1 shows the transactions debit/credit during 2021. Column BD in Reference 2 shows the transaction debit/credit during 2020.

Questions:

a) Please explain why the net transaction for Account 1580 RSVA – Wholesale Market Service Charge has increased significantly from a credit of ($355,716) in 2020 (cell BD26 in Reference 2) to a debit of $312,828 in 2021 (cell BD23 in Reference 1).
b) Please explain why the net transaction for Account 1584 RSVA – Retail Transmission Network Charge has increased significantly from a debit of $184,256 in 2020 (cell BD29 in Reference 2) to a debit of $660,465 in 2021 (cell BD26 in Reference 1).

CNPI Response:

a) The billed Wholesale Market Service charged rate stayed at $0.0030/kWh (excluding CBR), resulting in the total amount billed for the year resulting in similar billings to customers in the two years (2020: $1,285,313 and 2021: $1,308,653). However, the Wholesale Market Charges billed by the IESO significantly increased (2020: $1,060,754 and 2021: $1,662,613). The $602k increase in the amount paid is the main driver behind the $669k increase in account 1580.

b) The RTSR-Network charge for 2021 was based on the assumed UTR-Network rate of $3.92, however the actual rate charged to CNPI was $4.67 for January – June and $4.90 for July – December, resulting in an under-recovery due to price built into the Network RTSR.

   With respect to the relative activity between the two years, retail billings to customers remained relatively stable (2020: $3,120,980 and 2021: $3,199,562), however the actual cost of wholesale purchases from the IESO through UTRs increased significantly because of the price differential. The increase in the amount paid to the IESO is the main driver of the increase in account 1584. The tables below outline the forecast underpinning the 2021 RTSRs, compared to the actual UTR Network billings in 2021.

2021 Forecasted in RTRs:

IESO	Network		
Month	Units Billed	Rate	Amount
January	67,552	$ 3.9200	$ 264,804
February	66,582	$ 3.9200	$ 261,001
March	65,114	$ 3.9200	$ 255,247
April	55,971	$ 3.9200	$ 219,406
May	49,760	$ 3.9200	$ 195,059
June	68,189	$ 3.9200	$ 267,301
July	77,414	$ 3.9200	$ 303,461
August	79,479	$ 3.9200	$ 311,558
September	71,411	$ 3.9200	$ 279,931
October	60,767	$ 3.9200	$ 238,207
November	77,563	$ 3.9200	$ 304,047
December	65,274	$ 3.9200	$ 255,874
Total	805,076	$ 3.92	$ 3,155,896

2021 Actual:

IESO	Network		
Month	Units Billed	Rate	Amount
January	64,834	$4.67	$ 302,775
February	61,025	$4.67	$ 284,987
March	61,491	$4.67	$ 287,163
April	55,380	$4.67	$ 258,625
May	59,318	$4.67	$ 277,015
June	72,480	$4.67	$ 338,482
July	73,427	$4.90	$ 359,792
August	89,382	$4.90	$ 437,972
September	87,189	$4.90	$ 427,226
October	56,516	$4.90	$ 276,928
November	66,753	$4.90	$ 327,090
December	63,524	$4.90	$ 311,268
Total	811,319	$ 4.79	$ 3,889,322

Staff-2
Ref: Rate Generator Model, Tab 4. Billing Det. For Def-Var, Column O

Preamble:

CNPI is requesting a disposition of Account 1595 (2019) and has populated the percentage allocations by customer class in Tab 4, Column O. These percentage allocations should be derived from the information used to establish the rate riders originally (2019 rate application). Staff was unable to verify these percentages:

1595 Recovery Proportion (2019) [1]
19%
10%
67%
3%
0%
0%
0%
1%
100%

a) Please identify the source of the percentages entered in Column O.
b) Please confirm that the rate rider calculations for the vintage year rate application were used for the percentages entered. If not, please update the evidence as needed.

CNPI Response:

a) See table below for calculation of percentages based on the 2019 rate application (EB-2018-0022, model dated December 13, 2018).

	Group 1 (excl 1589)	CBR Class B	CBR Class B - Class A Transitioned	Group 1 (1589)	Class A Transitioned 1589	Total Group 1	% Total
Residential	(92,571)	(51,387)		(17,560)		(161,518)	19%
GS<50	(36,308)	(17,737)		(27,600)		(81,645)	10%
GS>50	(259,624)	(30,737)	(3,152)	(242,949)	(28,107)	(564,569)	67%
Embedded Distributor	(8,838)	(1,274)		(11,361)		(21,473)	3%
Unmetered Scattered Load	(655)	(350)		(7)		(1,012)	0%
Sentinel Lighting	(72)	(169)		(1)		(242)	0%
Street Lighting	(3,136)	(372)		(3,102)		(6,610)	1%
	(401,204)	**(102,026)**	**(3,152)**	**(302,580)**	**(28,107)**	**(837,069)**	**100%**
	A	B	C	D	E	F = A + B + C + D + E	

b) Confirmed.

Staff-3
Ref: Rate Generator Model, Tab 12. Historical Wholesale

Questions:

a) In Tab 12, staff has removed the red highlight from cells E38 to E49, I38 to I48 and M38 to M49. Please confirm that the model attached to these interrogatories reflects this update.
b) The data in cell I49 shows the Hydro One's line connection service rate of $0.8139 in December which is different from the Hydro One's line connection service rate of $0.8128 from January to November (cells I38 to I48). Please explain why the line connection service rate in December is different from other months. Please update the evidence as needed.

CNPI Response:

a) CNPI confirms the red highlighting has been removed in the model attached with the interrogatories from OEB Staff.

b) CNPI has determined that an incorrect billed amount was included for December only. The correct amount of $7,709 has been updated in Attachment A- Rate Generator model. As a result of the correction, the rate for December is now consistent with January to November. As the rate in December now matches the historic rates entered in tab 11, CNPI has removed the red highlighting from cell I49. CNPI has made these corrections in the Rate Generator Model submitted as Attachment A.

Staff-4
Ref 1: Rate Generator Model, Tab 17. Regulatory Charges, Cell D33
Ref 2: Rate Generator Model, Tab 20. Bill Impacts, Cells I100, I156 and I548

Preamble:

On September 8, 2022, the Ontario Energy Board issued its Decision and Order which approved the smart metering charge (SMC) to be levied and collected by the Independent Electricity System Operator, in its capacity as the Smart Metering Entity, effective January 1, 2023. The new SMC is $0.42 per smart meter per month, a reduction from the previous interim SMC of $0.43 per smart meter per month.

In Reference 1, staff has updated the data in cell D33 to reflect the approved SMC of $0.42 shown below:

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.42

In Reference 2, staff has updated the data in cells I100, I156 and I548 to reflect the approved SMC of $0.42.

Question:

c) Please confirm that the model attached to these interrogatories reflects this update.

CNPI Response:

c) CNPI confirms the model attached by OEB Staff reflects this update. CNPI notes that tab 19- Final Tariff Schedule does not automatically reflect the changes made in tab 18- Additional Rates. As a result, CNPI will ensure that any Draft Rate Order in this Application reflects the update accordingly.

Staff-5
Ref: Manager's Summary, p.9

Preamble:

In the Manager's Summary, CNPI stated that it is requesting disposition of its Group 1 Deferral and Variance account (DVAs) balances but has not stated whether it is requesting final or interim disposition of its Group 1 DVAs.

Question:

a) Please clarify whether CNPI is seeking final or interim disposition of its Group 1 DVAs in the current proceeding. Please provide the reasons if CNPI is requesting the interim disposition of its Group 1 DVAs.

CNPI Response:

a) CNPI is requesting final disposition of its Group 1 DVAs in the current proceeding.

Staff-6
Ref 1: Manager's Summary, pp.11-12 Ref 2: GA Analysis Workform

Preamble:

In Reference 1, CNPI noted that there was a correction to 2021 for the GA component of RPP settlement (reclass of Account 1588 entries). The GA component of RPP settlement was overstated as the GA Deferral Recovery amount was included in the underlying calculations. The correcting entry was a debit to Account 1589 and no impact on Account 1588 as the difference is due back to the IESO through RPP settlements.

Questions:

a) Please confirm that the GA Deferral Recovery amount which should be reflected as charge type 6148 and included in Account 1589, was erroneously included in the RPP GA component of RPP settlements. If not confirmed, please further clarify the nature of the error, and provide the erroneous and correcting journal entries.

b) Please explain what is meant by reclassing the GA component of RPP settlements to Account 1588.

c) CNPI noted the error has no impact to Account 1588 as the overstatement of the GA component of RPP settlement will be due back to the IESO through RPP settlements. It appears that the error was corrected in 2022 (as the related Account 1589 principal adjustment for 2021 was recorded in the general ledger in 2022 per the GA Analysis Workform principal adjustment tab in Reference 2). Please explain whether the error has a timing impact on Account 1588 as the GA component of RPP settlement was overstated in 2021, but not corrected with the IESO until 2022.

a. If yes, please explain why a principal adjustment for Account 1588 was not included in 2021.
b. If no, please explain why there is no timing difference impact on Account 1588.
c. Please revise the evidence and reassess Account 1588 tab and GA 2021 tab as needed.

CNPI Response:

a) Confirmed, a component of the GA Deferral Recovery (CT 6148) amount was erroneously included in the RPP GA component of RPP settlements. It was included with CT 148 in the RPP settlement calculations

b) The reference is to the adjustment to CT 148 based on the actual proportionate share of kWh volumes sold. See Accounting Procedures Handbook Update - Accounting Guidance related to Commodity Pass-Through Accounts, Journal Entry #14.

c) The error flowed through 1588 but did not affect the final balance. Therefore, there is no timing impact to 1588. The GA deferral being included in the RPP Settlement did result in an understatement to 1589 and an overstatement of the GA purchases for RPP customers. However, the overstatement of allocated GA purchases to RPP customers also resulted in an over collection from the IESO for that same amount through settlements. The error would have flowed through RPP settlement, with the resulting impact affecting IESO settlement rather than 1588. At the end of the year the final balance in 1588 was not affected. Rather, CNPI has overstated the amounts included with RPP Settlement Claims (as they included amounts associated with CT 6148).

   The correcting actions are outlined below:

   - Correct settlements with IESO in the amount of 262k owing to IESO;
   - Record the resultant debit in account 1589. The amounts relate to CT 6148 (a CT charged for and recovered from non-RPP Class B customers) and consistent with the OEB's Guidance of December 23, 2020, the amounts on a distributor's settlement statement for this CT should be recorded entirely within account 1589.

   a. Not applicable, there is no timing impact to 1588.
   b. There is no timing difference to 1588 as the correcting adjustments are required between the IESO RPP settlement process and account 1589.
   c. CNPI does not believe any revisions are necessary to the Account 1588 balance or GA 2021 tab.

Staff-7
Ref 1: Manager's Summary, Table 5, p.14
Ref 2: Manager's Summary, Table 6, p.14

Preamble:

CNPI provides the summary of storm costs in Reference 1 and the summary of the Z-factor claim in Reference 2.

Questions:

a) Based on the data in Reference 1, please provide the breakdown of the storm costs in the following format:

Cost Category	Capital Cost $	O & M Cost (Regular-Time Labour) $	O & M Cost (Recorded in Account 1572) $	Total Cost $
CNPI Labour (Regular)				
CNPI Labour (Overtime)				
Materials				
LDC Mutual Aid Costs				
Contracted Services - Line Services				
Contracted Services - Excavation and Tree Removal				
Other				
Total				

b) Please confirm that the costs included in the Z-factor claim in Reference 2 are incremental costs (outside of the base upon which rates were derived).

a. Please provide additional information to illustrate that these costs are incremental to what underpins rates.

c) Please confirm that the Z-factor claim is directly related to the Z-factor event and if the windstorm event had not occurred, CNPI would not have incurred any of the costs.

d) Please indicate the cost categories and dollar amounts that have not been audited in relation to the restoration of power after the windstorm.

a. Please indicate when all the costs will be audited.

CNPI Response:

a) Please see the completed table below. CNPI notes that it has assumed allocations among the two categories of Contracted Services costs, as the level of detail on the associated invoices did not support the breakdown as requested.

Cost Category	Capital Cost $	O & M Cost (Regular-Time Labour) $	O & M Cost (Recorded in Account 1572) $	Total Cost $
CNPI Labour (Regular)	$ 100,460 [1]	$ 53,962	$ -	$ 154,422
CNPI Labour (Overtime)	$ 63,916	$ 1,653	$ 64,851	$ 130,419
Materials	$ 60,995			$ 60,995
LDC Mutual Aid Costs	$ 9,421			$ 9,421
Contracted Services - Line Services	$ 28,895		$ 70,058	$ 98,954
Contracted Services - Excavation and Tree Removal	$ 20,153			$ 20,153
Other	$ 68		$ 978	$ 1,046
Total	$ 283,907 [2]	$ 55,615	$ 135,887	$ 475,409

Note 1: Per response to Staff-7c, the Labour (Regular) component of Capital Cost is no longer included in the Z Factor Claim.
Note 2: Per response to Staff-7c, the Capital Component has been reduced to exclude some costs incurred prior to Dec. 11.

b) CNPI confirms the costs included in the Z-factor claim are incremental costs. As shown in the table in section a) above, only overtime labour costs are included with the claim. Furthermore, as shown in the responses to Staff-14a and Staff-15b, the Z-factor Capital and OM&A costs exceeded the levels of storm damage budget underpinning rates.
Similarly, the vegetation management amount included in the 2017 cost of service (which is the applicable base year for costs incurred in 2021) was $481k[1]. Consistent with the response to Staff-14, vegetation management costs in 2021 exceeded the level budgeted and included in rates.

c) Upon review, CNPI has made the following adjustments to its claim. Please see the corresponding impacts in the “preamble” section.

[1] $481k represents the internal allocation to vegetation management of the total approved OM&A envelope.

1) Removing $34,893 in capital costs associated with wind-related restoration costs which occurred in the week prior to December 11, 2021; and
2) Removing $100,460 in capital costs related to regular-hour labour costs included in the capital component of the claim.

d) All costs related to storm restoration which were incurred in 2021 were included with the 2021 audited financial results. A component of the capital expenditures- $87,813 (original claim)/ $13,709 (updated claim)- was incurred in 2022 and therefore has not yet been audited. There are no storm restoration OM&A costs which were incurred in 2022 and therefore not yet audited. The 2022 costs will be part of the audit completed in Q1 of 2023.

CNPI notes that there was no targeted audit performed specifically on the storm restoration costs, rather the audit status discussed herein refers to the annual financial audit completed in support of the audited financial statements.

Staff-8
Ref: **Manager's Summary, p.14**

Questions:

a) Please provide a breakdown of all CNPI's internal labour costs applicable for the affected period in the following format:

Department	Number of Eligible Employees	Number of Regular Hours Worked	Total Regular Time Payments ($)	Number of Overtime Hours Worked	Total Overtime Payments ($)
Management					
Other Non-Union Employees (Health and Safety)					
Sub-Total Non-Union					
Union Employees:					
Operations					
Other					
Sub-Total Union					
Total Internal Labour for Affected Parties					
Total Z-Factor O&M Labour Costs					
Total Non-Z-Factor O&M Labour Costs					
Total Non-Z-Factor Capital Labour Costs					

b) Please provide CNPI's policy with respect to overtime for its non-union employees and management.
c) Please describe whether the Z-factor labour costs included payments made to union employees at regular rates of pay for work on pre-scheduled vacation days.

CNPI Response:

a) Please see the table below, which has been compiled based on time booked directly to storm restoration work orders. These work orders robustly capture the time spent by lines staff (whether to Capital or OM&A), however CNPI is aware of other staff who contributed to the restoration effort for which no WO entries occurred. Only the amounts directly booked to the storm restoration work orders were considered for inclusion in the Z factor claim.

Department	Number of Eligible Employees	Number of Regular Hours Worked	Total Regular Time Payments ($)	Number of Overtime Hours Worked	Total Overtime Payments ($)
Management	-	-	-	N/A- See response to section b)	
Other Non-Union Employees (Health and Safety)	-	-	-		
Sub-Total Non-Union	-	-	-		
Union Employees:					
Operations	24	1,591	$ 153,886	915	$ 124,044
Other	2	8	$ 536	63	$ 6,375
Sub-Total Union	26	1,599	$ 154,422	977	$ 130,419
Total Internal Labour for Affected Parties	26	1,599	$ 154,422	977	$ 130,419
Total Z-Factor O&M Labour Costs		-	$ -	454	$ 64,851
Total Non-Z-Factor O&M Labour Costs*		545	$ 53,962	19	$ 1,653
Total Z-Factor Capital Labour Costs		-	$ -	505	$ 63,916
Total Non-Z-Factor Capital Labour Costs		1,054	$ 100,460	-	$ -

Note: Costs are tracked based on the calculated regular internal labour rate for the employee's cost center as a whole * # of hours worked (we do not have employee specific rates in accounting system to track dollars to work orders charged)
- included in this line is all "atrributable costs" for cost center (i.e. wages, benefits, truck costs, etc.)

* A non-material amount of Overtime OM&A: $1,653 was incurred and indavdertently excluded from the Z Factor Claim.

b) CNPI does not have a policy with respect to overtime for its non-union employees and management. While there is no formal policy to this effect, CNPI managers and supervisors do not qualify for overtime pay. No overtime labour costs associated with management employees were included in CNPI's Z Factor claim.

c) No, the Z-factor labour costs did not include payments made to union employees at regular rates of pay for work on pre-scheduled vacation days.

Staff-9
Ref 1: Manager's Summary, p. 17
Ref 2: Schedule F

Preamble:

In Reference 1 and Reference 2, staff notes that CNPI relied partially on support through a mutual assistance agreement with Welland Hydro and third-party contractors in the restoration effort.

Questions:

a) Please provide a copy of the mutual assistance agreement with Welland Hydro. If a copy of the agreement is not available, please describe any standard arrangements in place with Welland Hydro regarding payment for service in emergencies.
b) Please provide a separate schedule showing a breakdown of the invoice from Welland Hydro and each third-party contractor's invoice based on labour, materials, accommodations, meals, vehicles, and other including an explanation.
c) Please clarify if the invoiced costs from Welland Hydro and other third-party contractors are based on regular labour rates or premium rates, given the timing of the engagement, its urgency, or the amount of notice provided.

CNPI Response:

a) Please see Attachment B for the South Central Ontario LDC Mutual Assistance Plan.

b) Please see the table below outlining the breakdown of the invoices. For some of the contractors, the invoicing categories do not align with those requested in the interrogatory. CNPI has attempted to allocate the invoices lines based on the best fit, and has noted the basis for invoicing for each vendor.

	GAMS	Pineridge	Peters Excavating	Welland Hydro	Total
Labour	$ 84,204	$ 14,750	$ 20,063	$ 7,177	**$ 126,193**
Materials				$ 2,244	**$ 2,244**
Accommodations		$ -			**$ -**
Meals		$ -			**$ -**
Vehicles					**$ -**
Other		$ -	$ 90		**$ 90**
Total	**$ 84,204**	**$ 14,750**	**$ 20,153**	**$ 9,421**	**$ 128,527**
Explain- Other	N/A	N/A	Not Material	N/A	**N/A**
Notes on invoicing	GAMS invoices based on labour hourly rates.				
	Pineridge invoices on the basis of one hourly rate understood to cover Labour, Materials, Vehicles.				
	Pineridge invoices on the basis of: - Emergency repairs @hourly rate understood to cover Labour, Materials, Vehicles. Invoice is outlined by description of work performed; and -flat rate for each "Install Rock Hole" performed.				
	Welland Hydro invoices based on Labour, OT Labour and Equipment				

c) Consistent with the Agreement provided in subsection a), the invoicing arrangements with Welland Hydro are based essentially pass-through costing, and do not include a premium. The agreement compensates the responding LDC for actual, fully burdened costs to respond, including among other items, payment of labour costs at the level incurred by the responding LDC (consistent with their respective collective agreements), including overtime payments.

In some cases, the invoices from non-LDC support vendors indicate a “premium rate” may have been charged (ex: “double time” is indicated). CNPI is not privy to the compensation practices of the non-LDC support vendors which assisted in the storm response, which would be required to determine whether this practice indicates “pass through” compensation of labour rates or if this is truly a “premium”.

The payment of premiums for emergency work outside of regular hours is a typical practice applied by many vendors. In an emergency, CNPI believes it is reasonable to incur some level of increased cost to compensate the vendor and its employees for the added complexity and inconvenience. Refusal to compensate vendors for these considerations may result in a much longer and more difficult outage response.

Staff-10
Ref: Manager's Summary, pp. 13-18

Preamble:

CNPI did not indicate if it had assisted neighboring communities once the power was restored to its customers.

Questions:

a) Please confirm if CNPI assisted other local distribution companies (LDCs).
b) If CNPI did assist other LDCs, did it charge a premium to assist other LDCs?

CNPI Response:

a) No, CNPI did not assist other LDCs once power was restored to its customers.

b) Not applicable.

Staff-11
Ref: Schedule F

Preamble:

In Schedule F, CNPI states that it has a Business Continuity Plan that is designed to assist in the response to natural disasters, accidents, major outages, environmental disasters, municipal emergencies, and cyber attacks.

Question:

a) Please discuss any deviations from CNPI's Business Continuity Plan.

CNPI Response:

a) CNPI's Business Continuity Plan includes several sections regarding outage response under different scenarios, ranging from minor outages during business hours, and with variations based on the extent of the outage (minor or major) the timing of outage (during or after business hours) and whether or not a System Control Operator is on duty. CNPI is not aware of any deviations from the applicable protocols under the Business Continuity Plan during the December 11, 2021 event.

Staff-12
Ref: Manager's Summary, pp.13-14

Preamble:

In its application, CNPI indicated the requirement to replace a significant number of poles during restoration efforts. The associated capital cost identified in the application is $318,800.

Questions:

a) Has all restoration work been completed? If not, please describe the work that remains from the storm, and provide the estimated costs.
b) Please explain how CNPI differentiates between any asset replacement required as a result of the storm and any asset replaced as part of the regular pole replacement program.
    a. Please provide the conditions of the poles replaced due to the storm.
c) Please provide the total pole replacement cost and the number of poles replaced due to the storm.
d) Please list the number of overhead transformers replaced, by kVA size, and explain if those costs are included in the pole replacement costs. If the cost of replacing overhead transformers was not included in the pole replacement costs above, please provide the costs for the replacements.
e) What was CNPI's budgeted cost for the pole replacement in 2021?
f) What was CNPI's actual pole replacement costs in 2021. Please explain the variance from the answer for e).

CNPI Response:

a) All the work has been completed. No remaining work is required.

b) CNPI differentiates between assets replaced as a result of storm damage vs. regular asset replacement through the use of different "settlement numbers" in the Financial Information System. The asset put into service and associated labour costs, truck time, etc. are separated through the use of these settlement numbers.
    a. CNPI was able to locate the assessed condition for 17 of the poles, which is summarized in the table below:

Condition	Number of Poles
FAIR	10
GOOD	4
POOR	3
Total	17

c) The total pole replacement cost is $186,394 and the number of poles replaced was 36. These costs include all amounts booked to USOA 1830, including labour, materials, vehicle, etc.

d) One 50kva transformer and two 25kva transformers were replaced. The cost of work to replace the transformers was included the z-factor claim, for the associated materials and labour, however the transformer equipment cost is not included. The equipment cost of the transformers is approximately $6,500.

e) in 2021, CNPI's pole replacements as a result of asset condition/end of life were budgeted throughout multiple budget line items- specifically those in the System Renewal-Voltage Conversion and System Renewal- Lines (Line Rebuilds/Upgrades/Replacements)categories. The total budget for these items (before capital contribution) was $5,349,000.

f) The actual spending for the line items above was $5,485,000. The variance of $137,000 was related to higher than planned System Renewal- Voltage Conversion spending, partially offset by lower than planned System Renewal-Lines spending. CNPI notes the storm damage spending **is not included** in these amounts.

Staff-13
Ref 1: Manager's Summary, pp.13-15
Ref 2: OEB's Decision and Order (EB-2020-0008), p.14

Preamble:

One component of CNPI's Z-factor claim of $157,900 in Reference 1 is a revenue requirement of $21,000 associated with capital expenditures of $318,800. CNPI is requesting to recover the Z-factor costs through rate riders for a period of 12 months from January 1, 2023 to December 31, 2023.

In CNPI's past Z-factor claim as part of its 2021 IRM application (Reference 2), CNPI sought to recover only OM&A costs associated with a severe windstorm in October/November 2019. CNPI did not seek to recover any capital-related costs associated with the windstorm as it intended to recover the capital costs in the normal course through 2021 rate base and its cost-based rate application in the 2022 rate year.

Questions:

a) Is CNPI aware of any precedent of a Z-factor claim that includes a revenue requirement due to incremental capital expenditures? If so, please provide the reference (EB #).
b) Please explain why CNPI has applied to recover the $21,000 for the revenue requirement associated with $318,800 capital expenditures in this application.
c) Please confirm that CNPI is requesting a recovery of $21,000 only for the 2023 rate year and not annually until its next rebasing application (which is expected in 2027).
d) Has CNPI deferred any planned capital projects due to the costs of the windstorm? Please provide an explanation.

CNPI Response:

a) In EB-2018-0021, Burlington Hydro applied for a Z-factor claim which included a revenue requirement component related to incremental capital expenditures. In its

Decision and Order in that Case, dated March 28, 2019, the OEB approved a Z factor recovery of $323,245 which included a capital component.[2]

b) CNPI has requested recovery for the $21,000 (updated to $12,100) as it represents the revenue requirement associated with the replacement assets incurred as a direct result of the storm damage. The treatment is consistent with the precedent presented in the Burlington Z-factor referred to in section a) above. With respect to the 2019 Z Factor claim made in 2020, CNPI had considered including a capital component with the Z factor claim, however elected not to pursue this as a rate mitigation measure in consideration of the COVID 19 pandemic uncertainty at that time.

c) CNPI confirms it is only requesting recovery of the capital component for the 2023 rate year, and not annually until its next rebasing application. While CNPI believes in some cases, the ongoing capital recovery associated with Z Factor claims may be appropriate, it is not being requested in this instance. One reason for not requesting the ongoing capital funding until the next rebasing relates to the materiality of the capital amount on its own, including the impact of rate rounding on the recovery of the amount.

d) No, CNPI has not formally deferred any planned capital projects due to the windstorm.

[2] See Table 10.1 in OEB Decision inEB-2018-0021.

Staff-14
Ref: Schedule F

Preamble:

In Schedule F, CNPI describes the wind gusts of up to 130 km/hr which caused trees to fall onto and damage CNPI line infrastructure, resulting in outages.

Questions:

a) Please provide CNPI's annual budgeted and actual amounts for its vegetation management program for the period 2017 to date.

b) Does CNPI have an assessment program to determine trees that could potentially cause damage to its line infrastructure due to severe weather events? If not, please explain why.

CNPI Response:

a) Please see the table below for the annual budgeted and actual vegetation management program.

Vegetation Management		
Year	Budget	Actual
2017	$ 480,667	$ 442,527
2018	$ 485,070	$ 478,201
2019	$ 500,039	$ 530,240
2020	$ 524,085	$ 492,409
2021	$ 509,713	$ 581,800
2022 YTD June 30	$ 272,700	$ 173,975

b) CNPI's vegetation management program assesses trees for their potential to damage line infrastructure, including during severe weather. The clearances incorporated into the vegetation management program are designed to mitigate such risks. CNPI's program is based on a three-year cycle however spot trimming and branch removal is also performed on areas where faster-than-typical growth has occurred or where damage branches have entered minimum clearance zones. In recent years, CNPI has increased tree trimming and grubbing in targeted areas which were associated with higher outages.

Staff-15
Ref 1: Manager's Summary, p.16
Ref 2: OEB's Decision and Rate Order (EB-2020-0008), p.17

Preamble:

In Reference 1, CNPI stated that due to the infrequent and extreme nature of such events, CNPI has not planned or budgeted for such events, and as such, the costs of this extreme and unusual event are incremental to the costs underpinning CNPI's rate at the time of the storm.

In the OEB's Decision and Rate Order for CNPI's Z-factor claim for the windstorm in October/November 2019 (Reference 2), the OEB noted that a programmatic approach to "storm-hardening" an LDC's service territory also falls within the realm of prudent utility practice. While no amount of storm-hardening could have fully offset the severity of the windstorm experienced by Canadian Niagara Power on October 31, 2019, a storm-hardened system could have mitigated the impact. The OEB also found that CNPI did not allocate sufficient O&MA dollars to better deal with outages and storm response, nor plan or budget for such weather events. The OEB encouraged CNPI to engage in better risk assessment and risk management, particularly in light of the increasing severity of weather events in recent years.

Questions:

a) Has CNPI taken any steps since the October/November 2019 windstorm to improve its risk assessment and risk management in light of increasing extreme weather events? If so, please describe.
b) Please provide CNPI's annual budgeted and actual amounts for capital expenditures and OM&A related to emergency response which are included in base distribution rates for the period 2017 to date.

CNPI Response:

a) CNPI has accelerated its voltage conversion and distribution automation investments in recent years. These investments are expected to mitigate risks associated with extreme weather events, through automated restoration schemes and increased redundancy and availability of alternate supply paths. Additionally, newer equipment is typically able to better withstand weather effects. CNPI has begun exploring changes to design criteria and standards, with a focus on considering storm-hardened and/or additional redundancy in its capital planning,

for example the use of underground cable where practical and adjusting the relative mechanical strength properties between wood poles and overhead conductors to reduce the extent of damage from falling trees. These efforts have initially been focused on areas with higher likelihood of experiencing significant damage, combined with difficult restoration.

b) Please see the table below:

Year	OM&A		Capital	
	Budgeted in Rates	Actual	Budgeted in Rates	Actual
2017	$ 39,977	$ 13,553	$ -	$ 26,232
2018	$ 40,277	$ 89,766	$ -	$ 190,417
2019[(1)]	$ 40,700	$ 342,031	$ -	$ 803,443
2020	$ 41,331	$ 18,297	$ -	$ 277,070
2021[(2)]	$ 42,054	$ 191,502		$ 232,639
2022 YTD	$ -	$ -	$ -	$ 89,035
[(1)] Actual OM&A Comprised of $285,050 related to Z-Factor and $83,981 non-Z-Factor				
[(2)]Actual OM&A Comprised of $135,887 Z-Factor and $55,615 non Z-Factor.				

Staff-16
Ref: Manager's Summary, pp.13-18

Questions:

In light of current economic conditions (i.e. high inflation and rising interest rates) it may have on CNPI's customer base, please explain whether CNPI has:

a) performed an assessment on its customers' current ability to pay for an incremental amount related to the Z-factor, given the current economic environment?
b) considered any other bill impact mitigation strategies to assist its customers in being able to absorb this incremental amount?

CNPI Response:

a) No, CNPI has not completed any study on its customers' ability to pay for the incremental amount related to the Z-factor. CNPI notes that the rate rider for Residential and General Service <50 kW customers are $0.29 and $0.61 per month, respectively (as updated). The rate riders do not form a material part of the total bill or contribute materially to the total bill impact or percentage change.

b) No, CNPI has not considered any other bill mitigation strategies to assist its customers in being able to absorb this amount. CNPI has considered the total bill impacts, inclusive of the z factor rate riders, in light of Chapter 3 of the OEB's Filling Requirements, section 3.2.3. Namely, none of the typical bill impacts in any rate class exceed 10%.

VECC-1

Ref: Manager's Summary p. 13

CNPI recorded total costs of $510,300 related to the December 11, 2021 storm and subsequent restoration efforts.

a) Please provide a summary of CNPI's previous Z-factor storm claims and the amounts approved?

b) How many hours after the first interruption was power restored to 90% of the customers impacted?

c) Please confirm the total costs are outside of the base upon which rates were derived.

CNPI Response:

a) Please see the summary provided in the table below, followed by a brief description of each event.

Case No.	Requested	Approved
EB-2007-0514	$1,965,825	$1,965,825
EB-2020-0008	$261,587	$261,587

EB-2007-0514

On October 12, 2006, Fort Erie and Port Colborne were hit with a historic snow storm with over thirty (30) centimetres of wet heavy lake effect snow falling on fully leaved trees. This was not a normal event, nor was it a winter storm as it did not occur during winter. A state of emergency was declared in both Fort Erie and Port Colborne. The isolated storm was a natural disaster and the most severe October storm on record dating back to the 1870s.

EB-2020-0008

On October 31, 2019 and November 1, 2019, CNPI experienced a severe wind storm that caused significant damage to CNPI's distribution system. Outage restoration efforts related to this storm continued for several days, with assistance from other LDC's and third-party contractors.

b) After the first interruption, power was restored in 20 hours to 90% of the customers impacted.

c) Please see the response to Staff-7b).

VECC-2

Ref: Manager's Summary p. 14 Table 5

Table 5 provides the summary of storm costs as follows:

Table 5 – Summary of Storm Costs

Category	Amount
Capital	$318,800
O&M (Regular-Time Labour)	$55,600
O&M (Recorded in Acct 1572)	$135,900
Total Storm Costs	**$510,300**

Ref: Manager's Summary p. 15

The evidence states "The costs are supported by invoicing from the various LDC's and contractors that assisted with restoration efforts, as well as timesheet and material charges to work orders created to track the costs of this specific storm event."

a) Please provide a breakdown of the capital ($318,000) and O&M costs recorded in Account 1572 ($135,900) in terms of labour (regular), labour (overtime), materials, vehicles, LDC and Third-Party Contractor costs, etc.

b) Please discuss the nature of the LDC assistance CNPI received.

c) Please discuss the nature of the Contractor assistance CNPI received for example Line Services, excavation & tree removal).

d) Please clarify whether Burlington Hydro paid any premium amounts to its third-party
contractors.

e) Please provide a separate schedule (breakdown) of each Third Party Contractor invoice based on labour, materials, accommodations, meals, truck, other (provide explanation).

f) Did CNPI assist any other LDCs with the storm? If yes, please provide details.

g) Please provide a listing of major asset quantities replaced due to the storm.

CNPI Response:

a) Please see the table below for a breakdown of the Capital and OM&A costs. CNPI notes the capital amounts reflect the adjustment identified in the preamble and the response to Staff-7c.

Cost Type	Capital	OM&A
Labour - regular	$ 100,460	$ -
Labour- Overtime	$ 63,916	$ 64,851
Materials	$ 60,995	$ -
Vehicles [(1)]		
Assisting LDC	$ 9,421	$ -
Third Party Contractor Costs	$ 49,048	$ 70,058
Other	$ 68	$ 978
Total	**$ 283,907**	**$ 135,887**
[(1)] Vehicle costs are included under " labour"		

b) Welland Hydro provided a line crew to assist in restoration performing capital pole replacements, immediately following the event.

c) GAMS provided 2 line crews to assist in restoration performing capital pole replacements.

Peters Excavating provided excavation services such as rock holes, anchors and hydro-vac services for pole holes.

Pineridge Tree Service provided a bucket crew to perform tree trimming and line clearing during the storm.

d) Please see response to Staff-9c.

e) Please see response to Staff-9b.

f) Please see response to Staff-10a.

g) The following quantities of major assets were replaced as a result of the storm:

Asset Category	Unit	Number
Poles	Ea.	36
Wire	m.	2,114
Transformers	Ea.	3

VECC-3

a) Please provide CNPI's annual Emergency Maintenance amounts budgeted and included in rates, compared to actual expenditures for the years 2017 to 2021.

b) Please provide CNPI's annual capital demand response/storm amounts budgeted and included in rates, compared to actual expenditures for the years 2017 to 2021.

CNPI Response:

a) Please refer to the response to Staff 15a.

b) Please refer to the response to Staff 15b.

VECC-4

Ref: Manager's Summary p.16

CNPI undertakes regular vegetation management in order to mitigate tree-caused outages and damage from weather-related events.

a) Please provide CNPI's annual vegetation management budget compared to actuals for the years 2017 to 2021.

b) Please provide CNPI's vegetation management accomplishments (forecast compared to actuals) for the years 2017 to 2021.

c) Please complete the following reliability data for the Tree Contact Cause Code:

Tree Contact	2017	2018	2019	2020	2021
# Interruptions					
# Customer Interruptions					
# Customer Interruption Hours					

CNPI Response:

a) Please refer to the response to Staff-14a.

b) CNPI's vegetation management accomplishments for each of the years 2017 to 2021 compared to plan are provided in the table below. CNPI's service territory is divided into three zones.

Year	Planned Areas/Zones	Actual Areas/Zones
2017	Zone 2	100% completed
2018	Zone 3	100% completed
2019	Zone 1	100% completed
2020	Zone 2	100% completed
2021	Zone 3	100% completed

c) Please see the table below:

Tree Contact	**2017**	**2018**	**2019**	**2020**	**2021**
# Interruptions	164	187	189	187	204
# Customer Interruptions	22,253	20,588	22,155	19,260	30,002
# Customer Interruption Hours	47,382	32,692	36,265	46,886	130,847

VECC-5

Ref: Schedule F Z-Factor MED Report

CNPI has a Business Continuity Plan that is designed to assist in the response to natural disasters, accidents, major outages, environmental disasters, municipal emergencies and cyber-attacks. For major outages, this plan covers responsibilities and procedures for all outage restoration and communication efforts, consolidates contact information for internal staff and key external agencies. CNPI indicates the scope of the outage did not invoke CNPI's Business Continuity Plan.

a) Please explain why the scope of work of the outage did not invoke CNPI's Business Continuity Plan.

b) Please discuss the Internal Plan used to guide the restoration of power and discuss any deviations from the Plan. Please provide a copy of the Plan.

CNPI Response:

a) The scope of work during the outage did not invoke a heightened response under CNPI's Business Continuity Plan, however, as discussed in the response to Staff-11a, the applicable protocols from CNPI's Business Continuity Plan were applied without deviation.

b) Please see Attachment C for a compendium of internal process documents which guide the restoration of power. CNPI is not aware of any deviations from these Plans, to the extent they were applicable (ie: some of the escalated protocols contemplated in the plans were not required for the nature of the outages related to the December 11th wind event).

VECC-6

Ref: EB-2020-0008 OEB Decision p.17

In approved CNPI's 2019 storm costs, the OEB stated:

"However, the OEB notes that a programmatic approach to "storm-hardening" an LDC's service territory also falls within the realm of prudent utility practice. While no amount of storm-hardening could have fully offset the severity of the windstorm experienced by Canadian Niagara Power on October 31, 2019, a storm-hardened system could have mitigated the impact. The OEB finds it concerning that CNPI has not allocated sufficient O&MA dollars to better deal with outages and storm response, nor planned or budgeted for such weather events, "due to the infrequent and extreme nature of such events". The OEB would encourage Canadian Niagara Power to engage in better risk assessment and risk management particularly in light of the increasing severity of weather events in recent year."

Please discuss the steps CNPI has taken to respond to the OEB's comments including the allocation of budgets to respond to outages and storm response.

CNPI Response:

Please refer to the response to Staff-15a.

Attachment A

Rate Generator Model

Instructions for Tabs 1, 3 to 7

Summary of Changes from the Prior Year	
1	In the tab 3 Group 1 continuity schedule, the rows for the totals are revised to show total of Group 1 accounts and total claim amount only.

Detailed Instructions for Each Tab

Tab	Tab Details	Step	Details
1 - Information Sheet	This tab shows some information pertaining to the utility and the application.	1	Complete the information sheet. a) <u>Questions 2 to 4</u> Responses to questions 2 to 4 will open the DVA continuity schedule in tab 3 to the appropriate year that DVA balances should first be inputted. The continuity schedule will open starting from the year balances were last approved for disposition, unless the last approved dipsosition was on an interim basis and there are changes to those balances. If that is the case, the continuity schedule will open from the year of last approved disposition on a final basis. A distributor must also provide an explanation for the change in the previously approved balance. b) <u>Questions 5 and 6</u> If the response to question 5 (GA) or 6 (CBR Class B) is yes, tab 6 relating to Class A customers' consumption will be generated. If the response to question 6 is yes, then tab 6.2 will also be generated. This tab will allocate and dispose the balance in Account 1580, sub-account CBR Class B through a separate rate rider using information inputted in tab 6, unless a rate rider is not produced. If the response to question 6 is no, then the balance in the Account 1580, sub-account CBR Class B will be allocated and disposed with Account 1580 WMS, as part of the general DVA rate rider
3 - Continuity Schedule	This tab is the continuity schedule that shows all the accounts and the accumulation of the balances a utility has.	2	Complete the DVA continuity schedule. a) <u>For all Group 1 accounts, except Account 1595:</u> The continuity schedule will open from the year the GL balance was last disposed. Start inputting the approved ending balances in the Adjustments column of that year. *For example, if in the 2022 rate application, DVA balances as at December 13, 2020 were approved for disposition, the continuity schedule will commence from 2020. Start by inputting the approved closing 2020 balances in the Adjustments column under 2020.* b) <u>For all Account 1595 sub-accounts:</u> Complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2021, regardless of whether the account is being requested for disposition in the current application. The continuity schedule will open in the year of the earliest Account 1595 vintage year that has a balance. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). *For example, Account 1595 (2017) would accumulate a balance starting in 2017, when the relevant balances approved for disposition were first transferred into Account 1595 (2017). Input the amount approved for disposition in the OEB Approved Disposition column.* *Note that the DVA continuity schedule can currently start from 2016. If a utility has residual balance in an Account 1595 with a vintage year prior to 2016, include residual balances for years up to 2016 in the row for Account 1595 (2016 and pre-2016) and provide a separate schedule with amounts broken down by vintage year.*
		3	Review any balance variance between the DVA continuity schedule and the RRR in column BW. Provide an explanation, if necessary.
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	4	Confirm the accuracy of the RRR data used to populate the tab.
		5	Review the disposition threshold calculation. Select whether disposition is being requested or not in the drop down box.
6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	6	This tab is generated when the utility selects yes to questions 5 or 6 in tab 1, indicating they had Class A customers during the period that the GA or CBR balance accumulated.
		7	Under #2a, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1589 GA balance accumulated. If yes, tab 6.1a will be generated. Under #2b, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1580, sub-account CBR Class B balance accumulated. If yes, tab 6.2a will be generated.
		8	Under #3a, enter the number of transition customers the utility had during the period the Account 1589 GA or Account 1580 CBR B balances accumulated. A table will be generated based on the number of customers. Complete the table accordingly for each transition customer identified (i.e. kWh/kW for half year periods, and the customer class during the half year). This data will automatically be used in the GA balance and CBR Class B balance allocation to transition customers in tabs 6.1a and 6.2a respectively. This data will also be used in the calculation of billing determinants for GA and CBR Class B balances, as applicable. Note that each transition customer identified in tab 6, table 3a will be assigned a customer number and the number will correspond to the same transition customer populated in tabs 6.1a and 6.2a. Also note that the transition customers identified for the GA may be different than those for CBR Class B. This would depend on the period in which the GA and CBR Class B balances accumulated.
		9	Under #3b, enter the number of rate classes in which there were full year Class A customers during the period the Account 1589 GA balance or Account 1580 CBR Class B balance accumulated. A table will be generated based on the number of rate classes. Complete the table accordingly for each rate class identified (i.e. total Class A consumption in the rate class identified for each year). This data will be used in the calculation of billing determinants for GA and CBR Class B, as applicable.
6.1a - GA Allocation	This tab allocates the GA balance to each transition customer for the period in which these customers were Class B customers and contributed to the GA balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B customers).	10	This tab is generated when the utility indicates that they had transition customers in tab 6, #2a during the period the Account 1589 GA balance accumulated. In row 20, enter the Non-RPP consumption less WMP consumption. The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the GA balance to transition customers in the bottom table. All transition customers who are allocated a specific GA amount are not to be charged the general Non-RPP Class B GA rate rider as calculated in tab 6.1.
6.1 - GA	This tab calculates the GA rate rider to be applied to all non-RPP Class B customers (except for the transition customers allocated a customer specific balance in tab 6.1a).	11	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the GA rate riders are calculated accordingly based on whether there were any transition customers during the period that the GA balance accumulated.
6.2a - CBR_B Allocation	This tab allocates the CBR Class B balance to each transition customer for the period in which these customers were Class B customers and contributed to the CBR Class B balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B).	12	This tab is generated when the utility indicates that they had transition customers in tab 6, #2b during the period where the CBR Class B balance accumulated. In row 19, enter the total Class B consumption less WMP consumption. The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the CBR Class B balance to transition customers in the bottom table. All transition customers who are allocated a specific CBR Class B amount are not to be charged the general CBR Class B rate rider.
6.2 - CBR	This tab calculates the CBR Class B rate rider if there were Class A customers at any point during the period that the CBR Class B balance accumulated.	13	This tab is generated when the response to question 6 in tab 1 is "yes", indicating that they had Class A customers during the period that Account 1580, sub-account CBR Class B balance accumulated. No input is required in this tab. The information in the tab is auto-populated and the CBR Class B rate riders are calculated accordingly. If a rate rider is not produced, the entire Account 1580 CBR Class B balance, including the amount allocated to transition customers will be transferred to Account 1580 WMS, to be disposed through the general Group 1 DVA rate rider.
5 - Allocating Def-Var Balances	This tab allocates the Group 1 balances, except GA and CBR Class B (if Class A customers exist).	14	Review the allocated balances to ensure the allocation is appropriate. Note that the final allocation for Account 1580, sub-account CBR Class B is calculated after the completion of tabs 6 to 6.2a.
7 - Calculation of Def-Var RR	This tab calculates the Group 1 rate riders, except for GA and CBR Class B (if Class A customers exist)	15	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the rate riders are calculated accordingly .

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Quick Link

Ontario Energy Board's 2023 Electricity Distribution Rate Applications Webpage

Version 1.0

Utility Name	Canadian Niagara Power Inc.
Assigned EB Number	EB-2022-0019
Name of Contact and Title	Brian Vander Vloet, Director of Finance
Phone Number	905-871-0330
Email Address	brian.vandervloet@cnpower.com
We are applying for rates effective	January 1, 2023
Rate-Setting Method	**Price Cap IR**

1. Select the last Cost of Service rebasing year. **2020**

To determine the first year the continuity schedules in tab 3 will be generated for input, answer the following questions:
For all the the responses below, when selecting a year, select the year relating to the account balance. For example, if the 2020 balances that were reviewed in the 2022 rate application were to be selected, select 2020.

2. For Accounts 1588 and 1589, please indicate the year of the account balances that the accounts were last disposed on a final basis for information purposes. 2020

Determine whether scenario a or b below applies, then select the appropriate year.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that were last approved for disposition on a final basis.

b) If the account balances were last approved on an interim basis, and

i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for diposition on an interim basis.
ii) there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis.

2020

3. For the remaining Group 1 DVAs, please indicate the year of the account balances that were last disposed on a final basis 2020

Determine whether scenario a or b below applies, then select the appropriate year.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that the balance was were last approved on a final basis.

b) If the accounts were last approved on an interim basis, and

i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for diposition on an interim basis.
ii) If there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis.

2020

4. Select the earliest vintage year in which there is a balance in Account 1595. **2017**

(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016.)

5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance selected in #2 above to the year requested for disposition)? **Yes**

6. Did you have any Class A customers at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year selected in #3 above to the year requested for disposition)? **Yes**

7. Retail Transmission Service Rates: Canadian Niagara Power Inc. is: **Partially Embedded** **Within** Hydro One Networks Inc. **Distribution System(s)**

8. Have you transitioned to fully fixed rates? **Yes**

Legend

Pale green cells represent input cells.

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

Red cells represent flags to identify either non-matching values or incorrect user selections.

Pale grey cells represent auto-populated RRR data.

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

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2022

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

EB-2021-0011

RESIDENTIAL SERVICE CLASSIFICATION

The Residential Class (Regular) refers to a service taking electricity normally at 750 volts or less where the electricity is used for domestic and household purposes in a single family unit. A single family unit being a permanent structure located on a single parcel of land and approved by a civic authority as a dwelling and occupied for that purpose by a single customer. Residential rates are also applied to apartment buildings with 6 units or less that are bulk metered. Apartment buildings with more than 6 units that are bulk metered are deemed to be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	40.16
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$	(3.89)
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Low Voltage Service Rate	$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kWh	(0.0012)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0093
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0072

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005

Standard Supply Service - Administrative Charge (if applicable)	$	0.25

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) less than 50 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. An apartment building with more than 6 units that is bulk metered and has an average peak demand less than 50 kW is deemed to be General Service less than 50 kW. The common area of a separately metered apartment building having a demand less than 50 kW is also deemed to be General Service less than 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	33.84
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0275
Low Voltage Service Rate	$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kWh	(0.0009)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until December 31, 2022	$/kWh	0.0012
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$/kWh	(0.0053)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0080
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) equal to or greater than 50 kW but less than 5000 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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 Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	169.70
Distribution Volumetric Rate	$/kW	8.0125
Low Voltage Service Rate	$/kW	0.1094
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kW	(0.2707)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kW	0.0810
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until December 31, 2022	$/kW	(0.0827)
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$/kW	(1.4734)
Retail Transmission Rate - Network Service Rate	$/kW	3.3848
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5670

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030

Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	610.63
Distribution Volumetric Rate	$/kW	9.2267
Low Voltage Service Rate	$/kW	0.1094
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kW	0.0009
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kW	0.0953
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$/kW	(1.6939)
Retail Transmission Rate - Network Service Rate	$/kW	3.3848
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5670

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to the supply of electrical service to a customer that is deemed to have a constant load over a billing period, normally with minimum electrical consumption and the consumption is unmetered. Energy consumption is based on connected wattage and calculated hours of use. Examples of unmetered scattered load are cable television amplifiers, billboards, area lighting. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per account)	$	53.36
Distribution Volumetric Rate	$/kWh	0.0290
Low Voltage Service Rate	$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kWh	0.0030
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$/kWh	(0.0057)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0083
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

STANDBY POWER SERVICE CLASSIFICATION

The Standby subclass charge is applied to a customer with load displacement facilities behind its meter but is dependent on Canadian Niagara Power Inc. to supply a minimum amount of electricity in the event the customer's own facilities are out of service. The minimum amount of supply that Canadian Niagara Power Inc. must supply is a contracted amount agreed upon between the customer and Canadian Niagara Power Inc. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility)	$/kW	1.3163

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to all services required to supply sentinel lighting equipment. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	$	6.11
Distribution Volumetric Rate	$/kW	7.0600
Low Voltage Service Rate	$/kW	0.0892
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kW	0.2602
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kW	0.0834
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$/kW	(2.6853)
Retail Transmission Rate - Network Service Rate	$/kW	2.8845
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0949

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to the supply of electrical service for roadway lighting. Energy consumption is based on connected wattage and calculated hours of use. Customers are usually a Municipality, Region or the Ministry of Transportation. Further servicing details are available in the distributor's Conditions of Service.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	$	4.09
Distribution Volumetric Rate	$/kW	8.1548
Low Voltage Service Rate	$/kW	0.0834
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2024	$/kW	6.2707
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until December 31, 2022	$/kW	(1.7470)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until December 31, 2022 - Applicable only for Class B Customers	$/kW	0.0834
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until December 31, 2022 - Applicable only for Non-RPP Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until December 31, 2022	$/kW	5.0822
Rate Rider for Disposition of Group 2 Accounts (2022) - effective until December 31, 2022	$/kW	(4.4620)
Retail Transmission Rate - Network Service Rate	$/kW	2.5054
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9586

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

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 Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4.55

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

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

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

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Customer Administration

Arrears certificate (credit reference)	$	15.00
Statement of account	$	15.00
Pulling post dated cheques	$	15.00
Duplicate invoices for previous billing	$	15.00
Request for other billing information	$	15.00
Easement letter	$	15.00
Income tax letter	$	15.00
Notification charge	$	15.00
Account history	$	15.00
Credit reference/credit check (plus credit agency costs)	$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30.00
Returned cheque (plus bank charges)	$	15.00
Charge to certify cheque	$	15.00
Legal letter charge	$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	30.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	$	65.00
Reconnection at meter - after regular hours	$	185.00
Reconnection at pole - during regular hours	$	185.00
Reconnection at pole - after regular hours	$	415.00

Other

Special meter reads	$	30.00
Service call - customer owned equipment	$	30.00
Service call - after regular hours	$	165.00
Temporary service install & remove - overhead - no transformer	$	500.00
Temporary service install & remove - underground - no transformer	$	300.00
Temporary service install & remove - overhead - with transformer	$	1,000.00

Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments) - Approved on an Interim Basis	$	44.50

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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board approval, such as the Global Adjustment 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	$	107.68
Monthly fixed charge, per retailer	$	43.08
Monthly variable charge, per customer, per retailer	$/cust.	1.07
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.64
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.64)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.54
Processing fee, per request, applied to the requesting party	$	1.07
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)	$	4.31
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	$	2.15

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	1.0524
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0419

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	2017									
		Opening Principal Amounts as of Jan 1, 2017	Transactions Debit / (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments[1] during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments[1] during 2017	Closing Interest Amounts as of Dec 31, 2017
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2020)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2021)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022)[3] *Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.*	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**					0					0
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		0	0	0	0	0	0	0	0	0	0

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	2018									
		Opening Principal Amounts as of Jan 1, 2018	Transactions Debit / (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments[1] during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018	Interest Adjustments[1] during 2018	Closing Interest Amounts as of Dec 31, 2018
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2020)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2021)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022)[3] *Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.*	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	0				0	0				0
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		0	0	0	0	0	0	0	0	0	0

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

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Account Descriptions	Account Number	2019									
		Opening Principal Amounts as of Jan 1, 2019	Transactions Debit / (Credit) during 2019	OEB-Approved Disposition during 2019	Principal Adjustments[1] during 2019	Closing Principal Balance as of Dec 31, 2019	Opening Interest Amounts as of Jan 1, 2019	Interest Jan 1 to Dec 31, 2019	OEB-Approved Disposition during 2019	Interest Adjustments[1] during 2019	Closing Interest Amounts as of Dec 31, 2019
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]	1595	0	825,031	816,013		9,018	0	(1,819)	21,055	(400)	(23,274)
Disposition and Recovery/Refund of Regulatory Balances (2020)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2021)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022)[3] *Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.*	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	825,031	816,013	0	9,018	0	(1,819)	21,055	(400)	(23,274)
Total Group 1 Balance requested for disposition		0	825,031	816,013	0	9,018	0	(1,819)	21,055	(400)	(23,274)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	0				0	0				0
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		0	825,031	816,013	0	9,018	0	(1,819)	21,055	(400)	(23,274)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	2020									
		Opening Principal Amounts as of Jan 1, 2020	Transactions Debit / (Credit) during 2020	OEB-Approved Disposition during 2020	Principal Adjustments[1] during 2020	Closing Principal Balance as of Dec 31, 2020	Opening Interest Amounts as of Jan 1, 2020	Interest Jan 1 to Dec 31, 2020	OEB-Approved Disposition during 2020	Interest Adjustments[1] during 2020	Closing Interest Amounts as of Dec 31, 2020
Group 1 Accounts											
LV Variance Account	1550	0			40,939	40,939	0			737	737
Smart Metering Entity Charge Variance Account	1551	0			(12,874)	(12,874)	0			(142)	(142)
RSVA - Wholesale Market Service Charge[5]	1580	0			(373,786)	(373,786)	0			(2,833)	(2,833)
Variance WMS – Sub-account CBR Class A[5]	1580	0			0	0	0			0	0
Variance WMS – Sub-account CBR Class B[5]	1580	0			(53,865)	(53,865)	0			(1,170)	(1,170)
RSVA - Retail Transmission Network Charge	1584	0			188,704	188,704	0			(1,126)	(1,126)
RSVA - Retail Transmission Connection Charge	1586	0			(185,215)	(185,215)	0			(6,182)	(6,182)
RSVA - Power[4]	1588	0			(370,572)	(370,572)	0			(169)	(169)
RSVA - Global Adjustment[4]	1589	0			39,550	39,550	0			1,569	1,569
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0			10,715	10,715	0			(1,159)	(1,159)
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0			(47,132)	(47,132)	0			(30,823)	(30,823)
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]	1595	9,018	$539			9,557	(23,274)	$134			(23,140)
Disposition and Recovery/Refund of Regulatory Balances (2020)[3]	1595	0	-$1,012,774	-$784,039		(228,735)	0	$4,982	-$287,938		292,920
Disposition and Recovery/Refund of Regulatory Balances (2021)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022)[3]											
Not to be disposed of until two years after rate rider has expired and that balance has been audited.	1595										
Refer to the Filing Requirements for disposition eligibility.		0				0	0				0
RSVA - Global Adjustment requested for disposition	**1589**	0	0	0	39,550	39,550	0	0	0	1,569	1,569
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		9,018	(1,012,235)	(784,039)	(803,086)	(1,022,264)	(23,274)	5,116	(287,938)	(42,867)	226,913
Total Group 1 Balance requested for disposition		9,018	(1,012,235)	(784,039)	(763,536)	(982,714)	(23,274)	5,116	(287,938)	(41,298)	228,482
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	0				0	0				0
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		9,018	(1,012,235)	(784,039)	(763,536)	(982,714)	(23,274)	5,116	(287,938)	(41,298)	228,482

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

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Account Descriptions	Account Number	2021									
		Opening Principal Amounts as of Jan 1, 2021	Transactions Debit / (Credit) during 2021	OEB-Approved Disposition during 2021	Principal Adjustments[1] during 2021	Closing Principal Balance as of Dec 31, 2021	Opening Interest Amounts as of Jan 1, 2021	Interest Jan 1 to Dec 31, 2021	OEB-Approved Disposition during 2021	Interest Adjustments[1] during 2021	Closing Interest Amounts as of Dec 31, 2021
Group 1 Accounts											
LV Variance Account	1550	40,939	30,513	15,764		55,688	737	234	603		368
Smart Metering Entity Charge Variance Account	1551	(12,874)	(15,499)	(6,273)		(22,100)	(142)	(49)	(136)		(55)
RSVA - Wholesale Market Service Charge[5]	1580	(373,786)	312,828	(18,069)		(42,889)	(2,833)	(1,057)	5,678		(9,568)
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	(53,865)	(31,557)	(146,153)		60,731	(1,170)	114	(8,676)		7,620
RSVA - Retail Transmission Network Charge	1584	188,704	660,465	4,448		844,721	(1,126)	2,388	(1,265)		2,527
RSVA - Retail Transmission Connection Charge	1586	(185,215)	16,514	(232,145)		63,444	(6,182)	(371)	(6,029)		(524)
RSVA - Power[4]	1588	(370,572)	(566,757)	(72,107)	314,629	(550,593)	(169)	(1,052)	25		(1,246)
RSVA - Global Adjustment[4]	1589	39,550	(202,647)	51,924	161,513	(53,508)	1,569	(1,831)	3,350		(3,612)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	10,715	0			10,715	(1,159)	61			(1,098)
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	(47,132)	0			(47,132)	(30,823)	(269)			(31,092)
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]	1595	9,557	6			9,563	(23,140)	54			(23,086)
Disposition and Recovery/Refund of Regulatory Balances (2020)[3]	1595	(228,735)	(2,136)		231,043	172	292,920	(690)		(231,043)	61,187
Disposition and Recovery/Refund of Regulatory Balances (2021)[3]	1595	0	211,083	98,600	(766)	111,717	0	100	(9,822)	766	10,688
Disposition and Recovery/Refund of Regulatory Balances (2022)[3] *Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.*	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	**1589**	39,550	(202,647)	51,924	161,513	(53,508)	1,569	(1,831)	3,350	0	(3,612)
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(1,022,264)	615,460	(355,935)	544,906	494,037	226,913	(537)	(19,622)	(230,277)	15,721
Total Group 1 Balance requested for disposition		(982,714)	412,813	(304,011)	706,419	440,529	228,482	(2,368)	(16,272)	(230,277)	12,109
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	0		0		0	0				0
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		(982,714)	412,813	(304,011)	706,419	440,529	228,482	(2,368)	(16,272)	(230,277)	12,109

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2022				Projected Interest on Dec-31-2021 Balances					2.1.7 RRR[5]	
Account Descriptions	**Account Number**	**Principal Disposition during 2022 - instructed by OEB**	**Interest Disposition during 2022 - instructed by OEB**	**Closing Principal Balances as of Dec 31, 2020 Adjusted for Disposition during 2022**	**Closing Interest Balances as of Dec 31, 2020 Adjusted for Disposition during 2022**	**Projected Interest from Jan 1, 2022 to Dec 31, 2022 on Dec 31, 2021 balance adjusted for disposition during 2022 [2]**	**Projected Interest from Jan 1, 2023 to Apr 30, 2023 on Dec 31, 2021 balance adjusted for disposition during 2022 [2]**	**Total Interest**	**Total Claim**	**Account Disposition: Yes/No?**	**As of Dec 31, 2021**	**Variance RRR vs. 2021 Balance (Principal + Interest)**
Group 1 Accounts												
LV Variance Account	1550	25,174	278	30,514	90	457		547	31,061		56,056	0
Smart Metering Entity Charge Variance Account	1551	(6,601)	(43)	(15,499)	(12)	(232)		(244)	(15,743)		(22,154)	1
RSVA - Wholesale Market Service Charge[5]	1580	(355,716)	(10,538)	312,827	970	4,685		5,655	318,482		15,894	68,351
Variance WMS – Sub-account CBR Class A[5]	1580			0	0	0		0	0		0	0
Variance WMS – Sub-account CBR Class B[5]	1580	92,287	8,032	(31,556)	(412)	(473)		(885)	(32,441)		68,350	(1)
RSVA - Retail Transmission Network Charge	1584	184,256	1,190	660,465	1,337	9,890		11,227	671,692		847,248	0
RSVA - Retail Transmission Connection Charge	1586	46,930	115	16,514	(639)	247		(392)	16,122		62,921	1
RSVA - Power[4]	1588	(298,465)	(490)	(252,128)	(756)	(3,776)		(4,532)	(256,660)		(621,100)	(69,261)
RSVA - Global Adjustment[4]	1589	(12,374)	(2,346)	(41,134)	(1,266)	(616)		(1,882)	(43,016)		(363,386)	(306,266)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	(26,163)	35,781	36,878	(36,879)			(36,879)	0	**No**	9,618	1
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	(47,132)	(31,093)	0	1			1	0	**No**	(78,225)	(1)
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]	1595			9,563	(23,086)	143		(22,943)	(13,380)	**Yes**	(13,523)	0
Disposition and Recovery/Refund of Regulatory Balances (2020)[3]	1595			172	61,187			61,187	0	**No**	61,359	0
Disposition and Recovery/Refund of Regulatory Balances (2021)[3]	1595			111,717	10,688			10,688	0	**No**	122,405	0
Disposition and Recovery/Refund of Regulatory Balances (2022)[3] *Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.*	1595			0	0			0	0	**No**		0
RSVA - Global Adjustment requested for disposition	**1589**	(12,374)	(2,346)	(41,134)	(1,266)	(616)	0	(1,882)	(43,016)		(363,386)	(306,266)
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(385,430)	3,232	879,467	12,489	10,941	0	23,430	719,133		440,499	(69,259)
Total Group 1 Balance requested for disposition		(397,804)	886	838,333	11,223	10,325	0	21,548	676,117		77,114	(375,524)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**			0	0			0	0		54,369	54,369
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		(397,804)	886	838,333	11,223	10,325	0	21,548	676,117		131,483	(321,155)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below? **Yes**

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption *(if applicable)*	Total Metered kW less WMP consumption *(if applicable)*	1595 Recovery Proportion (2019) [1]	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes[3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	223,186,490	0	3,373,187	0	0	0	223,186,490	0	19%		27,335
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	63,093,120	0	9,492,281	0	0	0	63,093,120	0	10%		2,505
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	173,812,300	560,532	157,361,225	512,005	0	0	173,812,300	560,532	67%		
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,543,931	14,863	5,543,931	14,863	0	0	5,543,931	14,863	3%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,288,663	0	883,032	0	0	0	1,288,663	0	0%		
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	509,736	1,676	394	1	0	0	509,736	1,676	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,814	4,352	1,345,216	4,093	0	0	1,423,814	4,352	1%		
	Total	468,858,054	581,423	177,999,266	530,962	0	0	468,858,054	581,423	100%	0	29,840

Threshold Test

Total Claim (including Account 1568)	$676,117
Total Claim for Threshold Test (All Group 1 Accounts)	$676,117
Threshold Test (Total claim per kWh) [2]	$0.0014

Currently, the threshold test has been met and the default is that Group 1 account balances will be disposed. If you are requesting not to dispose of the Group 1 account balances, please select NO and provide detailed reasons in the manager's summary.

YES

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

[2] The Threshold Test does not include the amount in 1568.

[3] The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

No input required. This workshseet allocates the deferral/variance account balances (Group 1 and Account 1568) to the appropriate classes as per EDDVAR dated July 31, 2009.

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580 (allocated based on Total less WMP)	1584	1586	1588 (allocated based on Total less WMP)	1595_(2019)	1568
RESIDENTIAL SERVICE CLASSIFICATION	47.6%	91.6%	47.6%	14,786	(14,421)	151,604	319,740	7,674	(122,176)	(2,582)	0
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	13.5%	8.4%	13.5%	4,180	(1,322)	42,857	90,388	2,169	(34,538)	(1,311)	0
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	37.1%	0.0%	37.1%	11,515	0	118,066	249,006	5,977	(95,147)	(9,018)	0
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	1.2%	0.0%	1.2%	367	0	3,766	7,942	191	(3,035)	(348)	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.3%	0.0%	0.3%	85	0	875	1,846	44	(705)	(13)	0
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.1%	0.0%	0.1%	34	0	346	730	18	(279)	0	0
STREET LIGHTING SERVICE CLASSIFICATION	0.3%	0.0%	0.3%	94	0	967	2,040	49	(779)	(107)	0
Total	100.0%	100.0%	100.0%	31,061	(15,743)	318,482	671,692	16,122	(256,660)	(13,380)	0

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

1a	The year Account 1589 GA was last disposed	2020	
1b	The year Account 1580 CBR Class B was last disposed	2020	Note that the sub-account was established in 2015.
2a	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed per #1a above to the current year requested for disposition)?	Yes	(If you received approval to dispose of the GA account balance as at December 31, 2018, the period the GA variance accumulated would be 2019 to 2021.)
2b	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed per #1b above to the current year requested for disposition)?	Yes	(If you received approval to dispose of the CBR Class B account balance as at December 31, 2018, the period the CBR Class B variance accumulated would be 2019 to 2021.)
3a	Enter the number of transition customer you had during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).	3	

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2021	
			July to December	January to June
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	929,399	382,987
		kW	8,040	7,085
		Class A/B	A	B
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	290,200	225,662
		kW	1,350	1,227
		Class A/B	B	A
Customer 3	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	314,856	308,064
		kW	1,614	1,835
		Class A/B	B	A

3b	Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).	1	

In the table, enter the total Class A consumption for full year Class A customers in each rate class for each year, including any transition customer's consumption identified in table 3a above that were Class A customers for the full year before/after the transition year (E.g. If a customer transitioned from Class B to A in 2020, exclude this customer's consumption for 2020 but include this customer's consumption in 2021 as they were a Class A customer for the full year).

Rate Classes with Class A Customers - Billing Determinants by Rate Class

	Rate Class		2021
Rate Class 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	72,437,530
		kW	228,946

Ontario Energy Board

centive Rate-setting Mechanism Rate Generator for 2023 Filers

This tab allocates the GA balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed | **2020**

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2021
Non-RPP Consumption Less WMP Consumption	A	177,999,266	177,999,266
Less Class A Consumption for Partial Year Class A Customers	B	1,463,125	1,463,125
Less Consumption for Full Year Class A Customers	C	72,437,530	72,437,530
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	104,098,611	104,098,611
All Class B Consumption for Transition Customers	E	988,044	988,044
Transition Customers' Portion of Total Consumption	F = E/D	**0.95%**	

Allocation of Total GA Balance $

Total GA Balance	G	-$ 43,016
Transition Customers Portion of GA Balance	H=F*G	-$ 408
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$ 42,608

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		3				
Customer		**Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers**	**Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2021**	**% of kWh**	**Customer Specific GA Allocation for the Period When They Were Class B customers**	**Monthly Equal Payments**
Customer 1		382,987	382,987	38.76%	-$ 158	-$ 13
Customer 2		290,200	290,200	29.37%	-$ 120	-$ 10
Customer 3		314,856	314,856	31.87%	-$ 130	-$ 11
Total		988,044	988,044	100.00%	-$ 408	

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.

Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements)

Default Rate Rider Recovery Period (in months)	12
Proposed Rate Rider Recovery Period (in months)	12

Rate Rider Recovery to be used below

		Total Metered Non-RPP 2021 Consumption excluding WMP	Total Metered 2021 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2021 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered 2021 Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA $ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	3,373,187	0	0	3,373,187	3.3%	($1,394)	($0.0004)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	9,492,281	0	0	9,492,281	9.2%	($3,922)	($0.0004)	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	157,361,225	72,437,530	2,451,170	82,472,525	80.0%	($34,080)	($0.0004)	kWh
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	5,543,931	0	0	5,543,931	5.4%	($2,291)	($0.0004)	kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	883,032	0	0	883,032	0.9%	($365)	($0.0004)	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	$0	$0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	394	0	0	394	0.0%	$0	$0.0000	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	1,345,216	0	0	1,345,216	1.3%	($556)	($0.0004)	kWh
Total		177,999,266	72,437,530	2,451,170	103,110,566	100.0%	($42,608)		

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year Account 1580 CBR Class B was Last Disposed **2020**

Allocation of Total Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2021
Total Consumption Less WMP Consumption	A	468,858,054	468,858,054
Less Class A Consumption for Partial Year Class A Customers	B	1,463,125	1,463,125
Less Consumption for Full Year Class A Customers	C	72,437,530	72,437,530
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	394,957,399	394,957,399
All Class B Consumption for Transition Customers	E	988,044	988,044
Transition Customers' Portion of Total Consumption	F = E/D	**0.25%**	

Allocation of Total CBR Class B Balance $

Total CBR Class B Balance	G	-$	32,441
Transition Customers Portion of CBR Class B Balance	H=F*G	-$	81
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$	32,360

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		3				
Customer		**Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers**	**Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2021**	**% of kWh**	**Customer Specific CBR Class B Allocation for the Period When They Were Class B Customers**	**Monthly Equal Payments**
Customer 1		382,987	382,987	38.76%	-$ 31	-$ 3
Customer 2		290,200	290,200	29.37%	-$ 24	-$ 2
Customer 3		314,856	314,856	31.87%	-$ 26	-$ 2
Total		988,044	988,044	100.00%	-$ 81	-$ 7

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed | **2020**

		Total Metered 2021 Consumption Minus WMP		Total Metered 2021 Consumption for Full Year Class A Customers		Total Metered 2021 Consumption for Transition Customers		Metered 2021 Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B $ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	223,186,490	0	0	0	0	0	223,186,490	0	56.7%	($18,332)	($0.0001)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	63,093,120	0	0	0	0	0	63,093,120	0	16.0%	($5,182)	($0.0001)	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	173,812,300	560,532	72,437,530	228,946	2,451,170	21,151	98,923,600	310,435	25.1%	($8,125)	($0.0262)	kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,543,931	14,863	0	0	0	0	5,543,931	14,863	1.4%	($455)	($0.0306)	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,288,663	0	0	0	0	0	1,288,663	0	0.3%	($106)	($0.0001)	kWh
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0.0%	$0	$0.0000	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	509,736	1,676	0	0	0	0	509,736	1,676	0.1%	($42)	($0.0251)	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,814	4,352	0	0	0	0	1,423,814	4,352	0.4%	($117)	($0.0269)	kW
	Total	468,858,054	581,423	72,437,530	228,946	2,451,170	21,151	393,969,354	331,326	100.0%	($32,359)		

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Input required at cells C13 and C14. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	**12**	
DVA Proposed Rate Rider Recovery Period (in months)	**12**	**Rate Rider Recovery to be used below**
LRAM Proposed Rate Rider Recovery Period (in months)	**12**	**Rate Rider Recovery to be used below**

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes [2]	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) [2]	Deferral/Variance Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	223,186,490	0	223,186,490	0	354,625		0.0016		0.0000	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	63,093,120	0	63,093,120	0	102,424		0.0016		0.0000	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	173,812,300	560,532	173,812,300	560,532	280,397		0.5002		0.0000	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,543,931	14,863	5,543,931	14,863	8,883		0.5977		0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,288,663	0	1,288,663	0	2,132		0.0017		0.0000	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000		0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	509,736	1,676	509,736	1,676	849		0.5064		0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,814	4,352	1,423,814	4,352	2,264		0.5202		0.0000	
											752,612.46

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.
[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2020	2023
OEB-Approved Rate Base	$ -	$ -
OEB-Approved Regulatory Taxable Income	$ -	$ -
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate)[1,2]		9.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.2%
Ontario Small Business Rate (calculated effective rate)[1,2]		3.2%
Federal Small Business Limit		$ 500,000
Ontario Small Business Limit		$ 500,000
Federal Taxes Payable		$ -
Provincial Taxes Payable		$ -
Federal Effective Tax Rate		0.0%
Provincial Effective Tax Rate		0.0%
Combined Effective Tax Rate	0.0%	0.0%
Total Income Taxes Payable	$ -	$ -
OEB-Approved Total Tax Credits (enter as positive number)	$ -	$ -
Income Tax Provision	$ -	$ -
Grossed-up Income Taxes	$ -	$ -
Incremental Grossed-up Tax Amount		$ -
Sharing of Tax Amount (50%)		**$ -**

Notes

1. The appropriate Federal and Ontario small business rates are calculated in the Income/PILs Workform. The Federal and Ontario small business deduction:
   a. is applicable if taxable capital is below $10 million.
   b. is phased out with taxable capital of more than $10 million.
   c. is completely eliminated when the taxable capital is $15 million or more. Effective for the 2022 taxation year, the Federal small business deduction is revised to be completely eliminated when the taxable capital is $50 million or more.
2. The OEB's proxy for taxable capital is rate base.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STANDBY POWER SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total			0	0	0			0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	223,186,490		0	0.00	$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	63,093,120		0	0.0000	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	173,812,300	560,532	0	0.0000	kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,543,931	14,863	0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,288,663		0	0.0000	kWh
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	509,736	1,676	0	0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,814	4,352	0	0.0000	kW
Total		468,858,054	581,423	$0		

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked. If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0093	223,186,490	0	1.0524	234,881,462
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0072	223,186,490	0	1.0524	234,881,462
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0080	63,093,120	0	1.0524	66,399,199
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062	63,093,120	0	1.0524	66,399,199
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.3848	173,812,300	560,532		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5670	173,812,300	560,532		
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.3848	5,543,931	14,863		
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5670	5,543,931	14,863		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0083	1,288,663	0	1.0524	1,356,189
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063	1,288,663	0	1.0524	1,356,189
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8845	509,736	1,676		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0949	509,736	1,676		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.5054	1,423,814	4,352		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9586	1,423,814	4,352		

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Uniform Transmission Rates	Unit	2021 Jan to Jun	2021 Jul to Dec	2022 Jan to Mar	2022 Apr to Dec	2023
Rate Description		**Rate**		**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 4.67	$ 4.90	$ 5.13	$ 5.46	$ 5.46
Line Connection Service Rate	kW	$ 0.77	$ 0.81	$ 0.88	$ 0.88	$ 0.88
Transformation Connection Service Rate	kW	$ 2.53	$ 2.65	$ 2.81	$ 2.81	$ 2.81

Hydro One Sub-Transmission Rates	Unit	2021	2022	2023
Rate Description		**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.4778	$ 4.3473	$ 4.3473
Line Connection Service Rate	kW	$ 0.8128	$ 0.6788	$ 0.6788
Transformation Connection Service Rate	kW	$ 2.0458	$ 2.3267	$ 2.3267
Both Line and Transformation Connection Service Rate	kW	$ 2.8586	$ 3.0055	$ 3.0055

If needed, add extra host here. (I)	Unit	2021	2022	2023
Rate Description		**Rate**	**Rate**	**Rate**
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	$ -	$ -	$ -

If needed, add extra host here. (II)	Unit	2021	2022	2023
Rate Description		**Rate**	**Rate**	**Rate**
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	$ -	$ -	$ -

		Historical 2021	Current 2022	Forecast 2023
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$			

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. 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 Transformation Connection columns are completed.
If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	64,834	$4.67	$ 302,775	67,070	$0.77	$ 51,644	67,070	$2.53	$ 169,687	$ 221,331
February	61,025	$4.67	$ 284,987	66,611	$0.77	$ 51,290	66,611	$2.53	$ 168,526	$ 219,816
March	61,491	$4.67	$ 287,163	63,178	$0.77	$ 48,647	63,178	$2.53	$ 159,840	$ 208,487
April	55,380	$4.67	$ 258,625	58,449	$0.77	$ 45,006	58,449	$2.53	$ 147,876	$ 192,882
May	59,318	$4.67	$ 277,015	64,003	$0.77	$ 49,282	64,003	$2.53	$ 161,928	$ 211,210
June	72,480	$4.67	$ 338,482	82,912	$0.77	$ 63,842	82,912	$2.53	$ 209,767	$ 273,610
July	73,427	$4.90	$ 359,792	81,229	$0.81	$ 65,795	81,229	$2.65	$ 215,257	$ 281,052
August	89,382	$4.90	$ 437,972	94,457	$0.81	$ 76,510	94,457	$2.65	$ 250,311	$ 326,821
September	87,189	$4.90	$ 427,226	97,618	$0.81	$ 79,071	97,618	$2.65	$ 258,688	$ 337,758
October	56,516	$4.90	$ 276,928	63,667	$0.81	$ 51,570	63,667	$2.65	$ 168,718	$ 220,288
November	66,753	$4.90	$ 327,090	74,780	$0.81	$ 60,572	74,780	$2.65	$ 198,167	$ 258,739
December	63,524	$4.90	$ 311,268	66,163	$0.81	$ 53,592	66,163	$2.65	$ 175,332	$ 228,924
Total	811,319	$ 4.79	$ 3,889,322	880,137	$ 0.79	$ 696,822	880,137	$ 2.60	$ 2,284,096	$ 2,980,918

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	7,619	$3.4778	$ 26,497	7,619	$0.8128	$ 6,193	7,619	$2.0458	$ 15,587	$ 21,779
February	8,754	$3.4778	$ 30,444	8,754	$0.8128	$ 7,115	8,754	$2.0458	$ 17,909	$ 25,025
March	8,842	$3.4778	$ 30,750	8,843	$0.8128	$ 7,187	8,843	$2.0458	$ 18,090	$ 25,277
April	7,644	$3.4778	$ 26,585	7,644	$0.8128	$ 6,213	7,644	$2.0458	$ 15,639	$ 21,852
May	10,480	$3.4778	$ 36,446	10,480	$0.8128	$ 8,518	10,480	$2.0458	$ 21,439	$ 29,957
June	10,861	$3.4778	$ 37,771	10,861	$0.8128	$ 8,828	10,861	$2.0458	$ 22,220	$ 31,048
July	10,474	$3.4778	$ 36,426	10,474	$0.8128	$ 8,513	10,474	$2.0458	$ 21,427	$ 29,940
August	11,665	$3.4778	$ 40,567	11,665	$0.8128	$ 9,481	11,665	$2.0458	$ 23,864	$ 33,345
September	8,153	$3.4778	$ 28,355	8,153	$0.8128	$ 6,627	8,153	$2.0458	$ 16,680	$ 23,308
October	8,126	$3.4778	$ 28,260	8,126	$0.8128	$ 6,605	8,126	$2.0458	$ 16,624	$ 23,229
November	9,235	$3.4778	$ 32,118	9,630	$0.8128	$ 7,827	9,630	$2.0458	$ 19,701	$ 27,528
December	9,485	$3.4778	$ 32,985	9,485	$0.8128	$ 7,709	9,485	$2.0458	$ 19,404	$ 27,113
Total	111,336	$ 3.4778	$ 387,205	111,733	$ 0.8128	$ 90,817	111,733	$ 2.0458	$ 228,584	$ 319,401

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	72,453	$ 4.5446	$ 329,271	74,689	$ 0.7744	$ 57,836	74,689	$ 2.4806	$ 185,274	$ 243,110
February	69,779	$ 4.5204	$ 315,430	75,365	$ 0.7750	$ 58,406	75,365	$ 2.4738	$ 186,435	$ 244,841
March	70,333	$ 4.5201	$ 317,913	72,021	$ 0.7753	$ 55,834	72,021	$ 2.4706	$ 177,930	$ 233,765
April	63,024	$ 4.5254	$ 285,210	66,093	$ 0.7750	$ 51,219	66,093	$ 2.4740	$ 163,515	$ 214,734
May	69,798	$ 4.4910	$ 313,461	74,483	$ 0.7760	$ 57,800	74,483	$ 2.4619	$ 183,367	$ 241,167
June	83,341	$ 4.5146	$ 376,253	93,773	$ 0.7750	$ 72,670	93,773	$ 2.4739	$ 231,987	$ 304,657
July	83,901	$ 4.7225	$ 396,218	91,703	$ 0.8103	$ 74,309	91,703	$ 2.5810	$ 236,684	$ 310,993
August	101,047	$ 4.7358	$ 478,539	106,122	$ 0.8103	$ 85,991	106,122	$ 2.5836	$ 274,175	$ 360,167
September	95,342	$ 4.7784	$ 455,581	105,771	$ 0.8102	$ 85,698	105,771	$ 2.6034	$ 275,368	$ 361,066
October	64,642	$ 4.7212	$ 305,189	71,793	$ 0.8103	$ 58,175	71,793	$ 2.5816	$ 185,342	$ 243,517
November	75,988	$ 4.7272	$ 359,208	84,410	$ 0.8103	$ 68,399	84,410	$ 2.5811	$ 217,868	$ 286,267
December	73,009	$ 4.7152	$ 344,253	75,648	$ 0.8103	$ 61,301	75,648	$ 2.5742	$ 194,736	$ 256,037
Total	922,655	$ 4.64	$ 4,276,527	991,870	$ 0.79	$ 787,639	991,870	$ 2.53	$ 2,512,681	$ 3,300,319

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 3,300,319

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

The purpose of this sheet is to calculate the expected billing when current 2022 Uniform Transmission Rates are applied against historical 2021 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	64,834	$ 5.1300	$ 332,598	67,070	$ 0.8800	$ 59,022	67,070	$ 2.8100	$ 188,467	$ 247,488
February	61,025	$ 5.1300	$ 313,058	66,611	$ 0.8800	$ 58,618	66,611	$ 2.8100	$ 187,177	$ 245,795
March	61,491	$ 5.1300	$ 315,449	63,178	$ 0.8800	$ 55,597	63,178	$ 2.8100	$ 177,530	$ 233,127
April	55,380	$ 5.4600	$ 302,375	58,449	$ 0.8800	$ 51,435	58,449	$ 2.8100	$ 164,242	$ 215,677
May	59,318	$ 5.4600	$ 323,876	64,003	$ 0.8800	$ 56,323	64,003	$ 2.8100	$ 179,848	$ 236,171
June	72,480	$ 5.4600	$ 395,741	82,912	$ 0.8800	$ 72,963	82,912	$ 2.8100	$ 232,983	$ 305,945
July	73,427	$ 5.4600	$ 400,911	81,229	$ 0.8800	$ 71,482	81,229	$ 2.8100	$ 228,253	$ 299,735
August	89,382	$ 5.4600	$ 488,026	94,457	$ 0.8800	$ 83,122	94,457	$ 2.8100	$ 265,424	$ 348,546
September	87,189	$ 5.4600	$ 476,052	97,618	$ 0.8800	$ 85,904	97,618	$ 2.8100	$ 274,307	$ 360,210
October	56,516	$ 5.4600	$ 308,577	63,667	$ 0.8800	$ 56,027	63,667	$ 2.8100	$ 178,904	$ 234,931
November	66,753	$ 5.4600	$ 364,471	74,780	$ 0.8800	$ 65,806	74,780	$ 2.8100	$ 210,132	$ 275,938
December	63,524	$ 5.4600	$ 346,841	66,163	$ 0.8800	$ 58,223	66,163	$ 2.8100	$ 185,918	$ 244,141
Total	811,319	$ 5.38	$ 4,367,976	880,137	$ 0.88	$ 774,521	880,137	$ 2.81	$ 2,473,185	$ 3,247,706

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	7,619	$ 4.3473	$ 33,121	7,619	$ 0.6788	$ 5,172	7,619	$ 2.3267	$ 17,727	$ 22,898
February	8,754	$ 4.3473	$ 38,055	8,754	$ 0.6788	$ 5,942	8,754	$ 2.3267	$ 20,368	$ 26,311
March	8,842	$ 4.3473	$ 38,438	8,843	$ 0.6788	$ 6,002	8,843	$ 2.3267	$ 20,574	$ 26,576
April	7,644	$ 4.3473	$ 33,232	7,644	$ 0.6788	$ 5,189	7,644	$ 2.3267	$ 17,786	$ 22,975
May	10,480	$ 4.3473	$ 45,558	10,480	$ 0.6788	$ 7,114	10,480	$ 2.3267	$ 24,383	$ 31,496
June	10,861	$ 4.3473	$ 47,215	10,861	$ 0.6788	$ 7,373	10,861	$ 2.3267	$ 25,271	$ 32,643
July	10,474	$ 4.3473	$ 45,532	10,474	$ 0.6788	$ 7,110	10,474	$ 2.3267	$ 24,369	$ 31,479
August	11,665	$ 4.3473	$ 50,710	11,665	$ 0.6788	$ 7,918	11,665	$ 2.3267	$ 27,141	$ 35,059
September	8,153	$ 4.3473	$ 35,445	8,153	$ 0.6788	$ 5,535	8,153	$ 2.3267	$ 18,971	$ 24,505
October	8,126	$ 4.3473	$ 35,326	8,126	$ 0.6788	$ 5,516	8,126	$ 2.3267	$ 18,907	$ 24,423
November	9,235	$ 4.3473	$ 40,148	9,630	$ 0.6788	$ 6,537	9,630	$ 2.3267	$ 22,406	$ 28,943
December	9,485	$ 4.3473	$ 41,232	9,485	$ 0.6788	$ 6,438	9,485	$ 2.3267	$ 22,069	$ 28,507
Total	111,336	$ 4.35	$ 484,012	111,733	$ 0.68	$ 75,845	111,733	$ 2.33	$ 259,970	$ 335,815

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	72,453	$ 5.0477	$ 365,720	74,689	$ 0.8595	$ 64,193	74,689	$ 2.7607	$ 206,193	$ 270,387
February	69,779	$ 5.0318	$ 351,113	75,365	$ 0.8566	$ 64,560	75,365	$ 2.7539	$ 207,545	$ 272,105
March	70,333	$ 5.0316	$ 353,887	72,021	$ 0.8553	$ 61,599	72,021	$ 2.7507	$ 198,104	$ 259,703

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

The purpose of this sheet is to calculate the expected billing when current 2022 Uniform Transmission Rates are applied against historical 2021 transmission units.

April	63,024	$	5.3250	$	335,606	66,093	$	0.8567	$	56,624	66,093	$	2.7541	$	182,028	$	238,652
May	69,798	$	5.2929	$	369,434	74,483	$	0.8517	$	63,436	74,483	$	2.7420	$	204,231	$	267,667
June	83,341	$	5.3150	$	442,956	93,773	$	0.8567	$	80,335	93,773	$	2.7540	$	258,253	$	338,588
July	83,901	$	5.3211	$	446,444	91,703	$	0.8570	$	78,591	91,703	$	2.7548	$	252,623	$	331,214
August	101,047	$	5.3316	$	538,735	106,122	$	0.8579	$	91,040	106,122	$	2.7569	$	292,565	$	383,605
September	95,342	$	5.3648	$	511,497	105,771	$	0.8645	$	91,438	105,771	$	2.7727	$	293,277	$	384,716
October	64,642	$	5.3201	$	343,903	71,793	$	0.8572	$	61,543	71,793	$	2.7553	$	197,811	$	259,354
November	75,988	$	5.3248	$	404,620	84,410	$	0.8570	$	72,343	84,410	$	2.7549	$	232,538	$	304,881
December	73,009	$	5.3154	$	388,073	75,648	$	0.8548	$	64,662	75,648	$	2.7494	$	207,987	$	272,648
Total	922,655	$	5.26	$	4,851,988	991,870	$	0.86	$	850,365	991,870	$	2.76	$	2,733,155	$	3,583,520

Low Voltage Switchgear Credit (if applicable)	$	-
Total including deduction for Low Voltage Switchgear Credit	$	3,583,520

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2023 Uniform Transmission Rates are applied against historical 2021 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	64,834	$ 5.4600	$ 353,994	67,070	$ 0.8800	$ 59,022	67,070	$ 2.8100	$ 188,467	$ 247,488
February	61,025	$ 5.4600	$ 333,197	66,611	$ 0.8800	$ 58,618	66,611	$ 2.8100	$ 187,177	$ 245,795
March	61,491	$ 5.4600	$ 335,741	63,178	$ 0.8800	$ 55,597	63,178	$ 2.8100	$ 177,530	$ 233,127
April	55,380	$ 5.4600	$ 302,375	58,449	$ 0.8800	$ 51,435	58,449	$ 2.8100	$ 164,242	$ 215,677
May	59,318	$ 5.4600	$ 323,876	64,003	$ 0.8800	$ 56,323	64,003	$ 2.8100	$ 179,848	$ 236,171
June	72,480	$ 5.4600	$ 395,741	82,912	$ 0.8800	$ 72,963	82,912	$ 2.8100	$ 232,983	$ 305,945
July	73,427	$ 5.4600	$ 400,911	81,229	$ 0.8800	$ 71,482	81,229	$ 2.8100	$ 228,253	$ 299,735
August	89,382	$ 5.4600	$ 488,026	94,457	$ 0.8800	$ 83,122	94,457	$ 2.8100	$ 265,424	$ 348,546
September	87,189	$ 5.4600	$ 476,052	97,618	$ 0.8800	$ 85,904	97,618	$ 2.8100	$ 274,307	$ 360,210
October	56,516	$ 5.4600	$ 308,577	63,667	$ 0.8800	$ 56,027	63,667	$ 2.8100	$ 178,904	$ 234,931
November	66,753	$ 5.4600	$ 364,471	74,780	$ 0.8800	$ 65,806	74,780	$ 2.8100	$ 210,132	$ 275,938
December	63,524	$ 5.4600	$ 346,841	66,163	$ 0.8800	$ 58,223	66,163	$ 2.8100	$ 185,918	$ 244,141
Total	811,319	$ 5.46	$ 4,429,802	880,137	$ 0.88	$ 774,521	880,137	$ 2.81	$ 2,473,185	$ 3,247,706

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	7,619	$ 4.3473	$ 33,121	7,619	$ 0.6788	$ 5,172	7,619	$ 2.3267	$ 17,727	$ 22,898
February	8,754	$ 4.3473	$ 38,055	8,754	$ 0.6788	$ 5,942	8,754	$ 2.3267	$ 20,368	$ 26,311
March	8,842	$ 4.3473	$ 38,438	8,843	$ 0.6788	$ 6,002	8,843	$ 2.3267	$ 20,574	$ 26,576
April	7,644	$ 4.3473	$ 33,232	7,644	$ 0.6788	$ 5,189	7,644	$ 2.3267	$ 17,786	$ 22,975
May	10,480	$ 4.3473	$ 45,558	10,480	$ 0.6788	$ 7,114	10,480	$ 2.3267	$ 24,383	$ 31,496
June	10,861	$ 4.3473	$ 47,215	10,861	$ 0.6788	$ 7,373	10,861	$ 2.3267	$ 25,271	$ 32,643
July	10,474	$ 4.3473	$ 45,532	10,474	$ 0.6788	$ 7,110	10,474	$ 2.3267	$ 24,369	$ 31,479
August	11,665	$ 4.3473	$ 50,710	11,665	$ 0.6788	$ 7,918	11,665	$ 2.3267	$ 27,141	$ 35,059
September	8,153	$ 4.3473	$ 35,445	8,153	$ 0.6788	$ 5,535	8,153	$ 2.3267	$ 18,971	$ 24,505
October	8,126	$ 4.3473	$ 35,326	8,126	$ 0.6788	$ 5,516	8,126	$ 2.3267	$ 18,907	$ 24,423
November	9,235	$ 4.3473	$ 40,148	9,630	$ 0.6788	$ 6,537	9,630	$ 2.3267	$ 22,406	$ 28,943
December	9,485	$ 4.3473	$ 41,232	9,485	$ 0.6788	$ 6,438	9,485	$ 2.3267	$ 22,069	$ 28,507
Total	111,336	$ 4.35	$ 484,012	111,733	$ 0.68	$ 75,845	111,733	$ 2.33	$ 259,970	$ 335,815

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

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2023 Uniform Transmission Rates are applied against historical 2021 transmission units.

January	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
February	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
March	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
April	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
May	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
June	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
July	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
August	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
September	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
October	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
November	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
December	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-
Total	-	$	-	$	-	-	$	-	$	-	-	$	-	$	-	$	-	-	$	-

Total	**Network**			**Line Connection**			**Transformation Connection**			**Total Connection**
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	72,453	$ 5.34	$ 387,115	74,689	$ 0.86	$ 64,193	74,689	$ 2.76	$ 206,193	$ 270,387
February	69,779	$ 5.32	$ 371,252	75,365	$ 0.86	$ 64,560	75,365	$ 2.75	$ 207,545	$ 272,105
March	70,333	$ 5.32	$ 374,179	72,021	$ 0.86	$ 61,599	72,021	$ 2.75	$ 198,104	$ 259,703
April	63,024	$ 5.33	$ 335,606	66,093	$ 0.86	$ 56,624	66,093	$ 2.75	$ 182,028	$ 238,652
May	69,798	$ 5.29	$ 369,434	74,483	$ 0.85	$ 63,436	74,483	$ 2.74	$ 204,231	$ 267,667
June	83,341	$ 5.31	$ 442,956	93,773	$ 0.86	$ 80,335	93,773	$ 2.75	$ 258,253	$ 338,588
July	83,901	$ 5.32	$ 446,444	91,703	$ 0.86	$ 78,591	91,703	$ 2.75	$ 252,623	$ 331,214
August	101,047	$ 5.33	$ 538,735	106,122	$ 0.86	$ 91,040	106,122	$ 2.76	$ 292,565	$ 383,605
September	95,342	$ 5.36	$ 511,497	105,771	$ 0.86	$ 91,438	105,771	$ 2.77	$ 293,277	$ 384,716
October	64,642	$ 5.32	$ 343,903	71,793	$ 0.86	$ 61,543	71,793	$ 2.76	$ 197,811	$ 259,354
November	75,988	$ 5.32	$ 404,620	84,410	$ 0.86	$ 72,343	84,410	$ 2.75	$ 232,538	$ 304,881
December	73,009	$ 5.32	$ 388,073	75,648	$ 0.85	$ 64,662	75,648	$ 2.75	$ 207,987	$ 272,648
Total	922,655	$ 5.33	$ 4,913,814	991,870	$ 0.86	$ 850,365	991,870	$ 2.76	$ 2,733,155	$ 3,583,520

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 3,583,520

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0093	234,881,462	0	2,184,398	46.6%	2,259,757	0.0096
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0080	66,399,199	0	531,194	11.3%	549,519	0.0083
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.3848		560,532	1,897,289	40.5%	1,962,743	3.5016
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.3848		14,863	50,308	1.1%	52,044	3.5016
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0083	1,356,189	0	11,256	0.2%	11,645	0.0086
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8845		1,676	4,834	0.1%	5,001	2.9840
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.5054		4,352	10,904	0.2%	11,280	2.5918

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

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0072	234,881,462	0	1,691,147	47.0%	1,683,200	0.0072
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062	66,399,199	0	411,675	11.4%	409,741	0.0062
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5670		560,532	1,438,886	40.0%	1,432,124	2.5549
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5670		14,863	38,153	1.1%	37,974	2.5549
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063	1,356,189	0	8,544	0.2%	8,504	0.0063
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0949		1,676	3,511	0.1%	3,495	2.0851
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9586		4,352	8,524	0.2%	8,484	1.9494

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0096	234,881,462	0	2,259,757	46.6%	2,288,551	**0.0097**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0083	66,399,199	0	549,519	11.3%	556,521	**0.0084**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.5016		560,532	1,962,743	40.5%	1,987,753	**3.5462**
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.5016		14,863	52,044	1.1%	52,707	**3.5462**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0086	1,356,189	0	11,645	0.2%	11,793	**0.0087**
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.9840		1,676	5,001	0.1%	5,065	**3.0220**
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.5918		4,352	11,280	0.2%	11,423	**2.6249**

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

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0072	234,881,462	0	1,683,200	47.0%	1,683,200	**0.0072**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062	66,399,199	0	409,741	11.4%	409,741	**0.0062**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5549		560,532	1,432,124	40.0%	1,432,124	**2.5549**
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5549		14,863	37,974	1.1%	37,974	**2.5549**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063	1,356,189	0	8,504	0.2%	8,504	**0.0063**
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0851		1,676	3,495	0.1%	3,495	**2.0851**
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9494		4,352	8,484	0.2%	8,484	**1.9494**

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator has been set at the 2022 value and will be updated by OEB staff at a later date.

Price Escalator	**3.30%**	**Productivity Factor**	**0.00%**
Choose Stretch Factor Group	IV	**Price Cap Index**	**2.85%**
Associated Stretch Factor Value	**0.45%**		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	40.16				2.85%	41.30	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	33.84		0.0275		2.85%	34.80	0.0283
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	169.7		8.0125		2.85%	174.54	8.2409
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	610.63		9.2267		2.85%	628.03	9.4897
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	53.36		0.029		2.85%	54.88	0.0298
STANDBY POWER SERVICE CLASSIFICATION	0		1.3163		2.85%	0.00	1.3538
SENTINEL LIGHTING SERVICE CLASSIFICATION	6.11		7.06		2.85%	6.28	7.2612
STREET LIGHTING SERVICE CLASSIFICATION	4.09		8.1548		2.85%	4.21	8.3872
microFIT SERVICE CLASSIFICATION	4.55					4.55	

If applicable, Wheeling Service Rate will be adjusted for PCI on Sheet 19.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		**January 1, 2022**	**January 1, 2023**
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		May 1, 2022
Off-Peak	$/kWh	0.0820
Mid-Peak	$/kWh	0.1130
On-Peak	$/kWh	0.1700

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.42

Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	$	36.86

Miscellaneous Service Charges

Wireline Pole Attachment Charge	**Unit**	**Current charge**	**Inflation factor ***	**Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	$	34.76	2.20%	35.52

Retail Service Charges		**Current charge**	**Inflation factor***	**Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	107.68	2.20%	110.05
Monthly fixed charge, per retailer	$	43.08	2.20%	44.03
Monthly variable charge, per customer, per retailer	$/cust.	1.07	2.20%	1.09
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.64	2.20%	0.65
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.64)	2.20%	(0.65)
Service Transaction Requests (STR)			2.20%	-
Request fee, per request, applied to the requesting party	$	0.54	2.20%	0.55
Processing fee, per request, applied to the requesting party	$	1.07	2.20%	1.09
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	$	4.31	2.20%	4.40
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	$	2.15	2.20%	2.20

* inflation factor subject to change pending OEB approved inflation rate effective in 2022
** applicable only to LDCs in which the province-wide pole attachment charge applies
*** subject to change pending OEB order on miscellaneous service charges

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

In the Green Cells below, enter all proposed rate riders/rates.
In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".
In column B, choose the associated unit from the drop-down menu.
In column C, enter the rate. All rate riders with a "$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
In column E, enter the expiry date (e.g. April 30, 2023) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
In column G, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B). Sub-total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	0.29	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	0.61	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	13.53	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	76.62	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	0.92	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

SENTINEL LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	0.07	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
Rate Rider for Recovery of Wind Storm Damage Costs	$	0.03	- effective until	2023-12-31	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

microFIT SERVICE CLASSIFICATION	UNIT	RATE		DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2023

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

EB-2022-0019

RESIDENTIAL SERVICE CLASSIFICATION

The Residential Class (Regular) refers to a service taking electricity normally at 750 volts or less where the electricity is used for domestic and household purposes in a single family unit. A single family unit being a permanent structure located on a single parcel of land and approved by a civic authority as a dwelling and occupied for that purpose by a single customer. Residential rates are also applied to apartment buildings with 6 units or less that are bulk metered. Apartment buildings with more than 6 units that are bulk metered are deemed to be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	41.30
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	0.29
Smart Metering Entity Charge - effective until December 31, 2023	$	0.42
Low Voltage Service Rate	$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kWh	0.0016
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0097
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0072

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2023

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

EB-2022-0019

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) less than 50 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. An apartment building with more than 6 units that is bulk metered and has an average peak demand less than 50 kW is deemed to be General Service less than 50 kW. The common area of a separately metered apartment building having a demand less than 50 kW is also deemed to be General Service less than 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	34.80
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	0.61
Smart Metering Entity Charge - effective until December 31, 2023	$	0.42
Distribution Volumetric Rate	$/kWh	0.0283
Low Voltage Service Rate	$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kWh	0.0016
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0084
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2023

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

EB-2022-0019

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) equal to or greater than 50 kW but less than 5000 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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 Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	174.54
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	13.53
Distribution Volumetric Rate	$/kW	8.2409
Low Voltage Service Rate	$/kW	0.1094
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	$/kWh	(0.0004)

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

		EB-2022-0019
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kW	0.5002
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kW	(0.0262)
Retail Transmission Rate - Network Service Rate	$/kW	3.5462
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5549

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	628.03
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	76.62
Distribution Volumetric Rate	$/kW	9.4897
Low Voltage Service Rate	$/kW	0.1094
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kW	0.5977
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kW	(0.0306)
Retail Transmission Rate - Network Service Rate	$/kW	3.5462
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5549

MONTHLY RATES AND CHARGES - Regulatory Component

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
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		EB-2022-0019
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to the supply of electrical service to a customer that is deemed to have a constant load over a billing period, normally with minimum electrical consumption and the consumption is unmetered. Energy consumption is based on connected wattage and calculated hours of use. Examples of unmetered scattered load are cable television amplifiers, billboards, area lighting. 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 account)	$	54.88
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	0.92
Distribution Volumetric Rate	$/kWh	0.0298
Low Voltage Service Rate	$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kWh	0.0017
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0087
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

STANDBY POWER SERVICE CLASSIFICATION

Canadian Niagara Power Inc.
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EB-2022-0019

The Standby subclass charge is applied to a customer with load displacement facilities behind its meter but is dependent on Canadian Niagara Power Inc. to supply a minimum amount of electricity in the event the customer's own facilities are out of service. The minimum amount of supply that Canadian Niagara Power Inc. must supply is a contracted amount agreed upon between the customer and Canadian Niagara Power Inc. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility)	$/kW	1.3538

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to all services required to supply sentinel lighting equipment. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2023

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EB-2022-0019

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	$	6.28
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	0.07
Distribution Volumetric Rate	$/kW	7.2612
Low Voltage Service Rate	$/kW	0.0892
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kW	(0.0251)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kW	0.5064
Retail Transmission Rate - Network Service Rate	$/kW	3.0220
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0851

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to the supply of electrical service for roadway lighting. Energy consumption is based on connected wattage and calculated hours of use. Customers are usually a Municipality, Region or the Ministry of Transportation. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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MONTHLY RATES AND CHARGES - Delivery Component

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Service Charge (per device)	$	4.21
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	$	0.03
Distribution Volumetric Rate	$/kW	8.3872
Low Voltage Service Rate	$/kW	0.0834
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	$/kW	0.5202
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	$/kW	(0.0269)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2024	$/kW	6.2707
Retail Transmission Rate - Network Service Rate	$/kW	2.6249
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9494

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4.55

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

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EB-2022-0019

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Customer Administration		
Arrears certificate (credit reference)	$	15.00
Statement of account	$	15.00
Pulling post dated cheques	$	15.00
Duplicate invoices for previous billing	$	15.00
Request for other billing information	$	15.00
Easement letter	$	15.00
Income tax letter	$	15.00
Notification charge	$	15.00
Account history	$	15.00
Credit reference/credit check (plus credit agency costs)	$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30.00
Returned cheque (plus bank charges)	$	15.00
Charge to certify cheque	$	15.00
Legal letter charge	$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	30.00
Non-Payment of Account		
Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	$	65.00
Reconnection at meter - after regular hours	$	185.00
Reconnection at pole - during regular hours	$	185.00
Reconnection at pole - after regular hours	$	415.00
Other		
Special meter reads	$	30.00
Service call - customer owned equipment	$	30.00
Service call - after regular hours	$	165.00
Temporary service install & remove - overhead - no transformer	$	500.00
Temporary service install & remove - underground - no transformer	$	300.00
Temporary service install & remove - overhead - with transformer	$	1,000.00
Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments) - Approved on an Interim Basis	$	35.52

RETAIL SERVICE CHARGES (if applicable)

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Canadian Niagara Power Inc.

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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	$	110.05
Monthly fixed charge, per retailer	$	44.03
Monthly variable charge, per customer, per retailer	$/cust.	1.09
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.65
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.65)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.55
Processing fee, per request, applied to the requesting party	$	1.09
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)	$	4.40
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	$	2.20

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	1.0524
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0419

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2023 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

For certain classes where one or more customers have unique consumption and demand patterns and which may be significantly impacted by the proposed rate changes, the distributor must show a typical comparison, and provide an explanation.

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of June 2022 of $0.0967/kWh (IESO's Monthly Market Report for April 2022) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.
Note that cells with the highlighted color shown to the left indicate quantities that are loss adjusted.

Table 1

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	RPP? Non-RPP Retailer? Non-RPP Other?	Current Loss Factor (eg: 1.0351)	Proposed Loss Factor	Consumption (kWh)	Demand kW (if applicable)	RTSR Demand or Demand-Interval?	Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0524	1.0524	750		CONSUMPTION	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	RPP	1.0524	1.0524	2,000		CONSUMPTION	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0524	1.0524	20,000	60	DEMAND	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0524	1.0524	468,676	1,127	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0524	1.0524	3,500		CONSUMPTION	1
STANDBY POWER SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0524	1.0524		4,500	DEMAND	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	RPP	1.0524	1.0524	1,400	5	DEMAND	18
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0524	1.0524	5,400	15	DEMAND	124
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0524	1.0524	750		CONSUMPTION	
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				
Add additional scenarios if required			1.0524	1.0524				

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total A		Sub-Total B		Sub-Total C		Total Total Bill	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ 5.32	14.7%	$ 7.11	17.6%	$ 7.43	13.9%	$ 7.13	5.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	$ 11.37	14.1%	$ 15.56	17.0%	$ 16.40	13.5%	$ 15.75	4.9%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 125.44	22.5%	$ 159.26	28.9%	$ 168.22	18.5%	$ 190.09	5.6%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 2,299.45	25.3%	$ 2,689.55	29.0%	$ 2,857.81	17.9%	$ 3,229.32	4.4%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ 25.19	18.7%	$ 19.24	11.6%	$ 20.71	9.4%	$ 19.88	3.5%
STANDBY POWER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 168.75	2.8%	$ 168.75	2.8%	$ 168.75	2.8%	$ 190.69	2.8%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	$ 18.75	14.2%	$ 19.44	13.7%	$ 20.08	12.1%	$ 19.28	6.2%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 12.78	1.7%	$ 43.52	5.9%	$ 45.17	5.6%	$ 51.04	3.3%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ 5.32	14.7%	$ 6.89	17.2%	$ 7.20	13.6%	$ 8.14	5.6%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	750 kWh
Demand	- kW
Current Loss Factor	1.0524
Proposed/Approved Loss Factor	1.0524

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 40.16	1	$ 40.16	$ 41.30	1	$ 41.30	$ 1.14	2.84%
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -	
Fixed Rate Riders	$ (3.89)	1	$ (3.89)	$ 0.29	1	$ 0.29	$ 4.18	-107.46%
Volumetric Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 36.27**			**$ 41.59**	**$ 5.32**	**14.67%**
Line Losses on Cost of Power	$ 0.1034	39	$ 4.06	$ 0.1034	39	$ 4.06	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0012	750	$ (0.90)	$ 0.0016	750	$ 1.20	$ 2.10	-233.33%
CBR Class B Rate Riders	$ 0.0003	750	$ 0.23	-$ 0.0001	750	$ (0.08)	$ (0.30)	-133.33%
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Low Voltage Service Charge	$ 0.0003	750	$ 0.23	$ 0.0003	750	$ 0.23	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.43	1	$ 0.43	$ 0.42	1	$ 0.42	$ (0.01)	-2.33%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 40.31**			**$ 47.42**	**$ 7.11**	**17.64%**
RTSR - Network	$ 0.0093	789	$ 7.34	$ 0.0097	789	$ 7.66	$ 0.32	4.30%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0072	789	$ 5.68	$ 0.0072	789	$ 5.68	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 53.34**			**$ 60.76**	**$ 7.43**	**13.92%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	789	$ 2.68	$ 0.0034	789	$ 2.68	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	789	$ 0.39	$ 0.0005	789	$ 0.39	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0820	480	$ 39.36	$ 0.0820	480	$ 39.36	$ -	0.00%
TOU - Mid Peak	$ 0.1130	135	$ 15.26	$ 0.1130	135	$ 15.26	$ -	0.00%
TOU - On Peak	$ 0.1700	135	$ 22.95	$ 0.1700	135	$ 22.95	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 134.23**			**$ 141.66**	**$ 7.43**	**5.53%**
HST	13%		$ 17.45	13%		$ 18.42	$ 0.97	5.53%
Ontario Electricity Rebate	17.0%		$ (22.82)	17.0%		$ (24.08)	$ (1.26)	
Total Bill on TOU			**$ 128.86**			**$ 135.99**	**$ 7.13**	**5.53%**

In the manager's summary, discuss the reas

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	2,000 kWh
Demand	- kW
Current Loss Factor	1.0524
Proposed/Approved Loss Factor	1.0524

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 33.84	1	$ 33.84	$ 34.80	1	$ 34.80	$ 0.96	2.84%
Distribution Volumetric Rate	$ 0.0275	2000	$ 55.00	$ 0.0283	2000	$ 56.60	$ 1.60	2.91%
Fixed Rate Riders	$ -	1	$ -	$ 0.61	1	$ 0.61	$ 0.61	
Volumetric Rate Riders	-$ 0.0041	2000	$ (8.20)	$ -	2000	$ -	$ 8.20	-100.00%
Sub-Total A (excluding pass through)			**$ 80.64**			**$ 92.01**	**$ 11.37**	**14.10%**
Line Losses on Cost of Power	$ 0.1034	105	$ 10.84	$ 0.1034	105	$ 10.84	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0009	2,000	$ (1.80)	$ 0.0016	2,000	$ 3.20	$ 5.00	-277.78%
CBR Class B Rate Riders	$ 0.0003	2,000	$ 0.60	-$ 0.0001	2,000	$ (0.20)	$ (0.80)	-133.33%
GA Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
Low Voltage Service Charge	$ 0.0003	2,000	$ 0.60	$ 0.0003	2,000	$ 0.60	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.43	1	$ 0.43	$ 0.42	1	$ 0.42	$ (0.01)	-2.33%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 91.31**			**$ 106.87**	**$ 15.56**	**17.04%**
RTSR - Network	$ 0.0080	2,105	$ 16.84	$ 0.0084	2,105	$ 17.68	$ 0.84	5.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0062	2,105	$ 13.05	$ 0.0062	2,105	$ 13.05	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 121.20**			**$ 137.60**	**$ 16.40**	**13.53%**

In the manager's summary, discuss the reas

Wholesale Market Service Charge (WMSC)	$ 0.0034	2,105	$ 7.16	$ 0.0034	2,105	$ 7.16	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,105	$ 1.05	$ 0.0005	2,105	$ 1.05	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0820	1,280	$ 104.96	$ 0.0820	1,280	$ 104.96	$ -	0.00%	
TOU - Mid Peak	$ 0.1130	360	$ 40.68	$ 0.1130	360	$ 40.68	$ -	0.00%	
TOU - On Peak	$ 0.1700	360	$ 61.20	$ 0.1700	360	$ 61.20	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 336.50**			**$ 352.90**	**$ 16.40**	**4.87%**	
HST	13%		$ 43.74	13%		$ 45.88	$ 2.13	4.87%	
Ontario Electricity Rebate	17.0%		$ (57.20)	17.0%		$ (59.99)	$ (2.79)		
Total Bill on TOU			**$ 323.04**			**$ 338.78**	**$ 15.75**	**4.87%**	

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	20,000	kWh
Demand	60	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 169.70	1	$ 169.70	$ 174.54	1	$ 174.54	$ 4.84	2.85%
Distribution Volumetric Rate	$ 8.0125	60	$ 480.75	$ 8.2409	60	$ 494.45	$ 13.70	2.85%
Fixed Rate Riders	$ -	1	$ -	$ 13.53	1	$ 13.53	$ 13.53	
Volumetric Rate Riders	-$ 1.5561	60	$ (93.37)	$ -	60	$ -	$ 93.37	-100.00%
Sub-Total A (excluding pass through)			**$ 557.08**			**$ 682.52**	**$ 125.44**	**22.52%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.2707	60	$ (16.24)	$ 0.5002	60	$ 30.01	$ 46.25	-284.78%
CBR Class B Rate Riders	$ 0.0810	60	$ 4.86	-$ 0.0262	60	$ (1.57)	$ (6.43)	-132.35%
GA Rate Riders	-$ 0.0001	20,000	$ (2.00)	-$ 0.0004	20,000	$ (8.00)	$ (6.00)	300.00%
Low Voltage Service Charge	$ 0.1094	60	$ 6.56	$ 0.1094	60	$ 6.56	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	60	$ -	$ -	60	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 550.27**			**$ 709.53**	**$ 159.26**	**28.94%**
RTSR - Network	$ 3.3848	60	$ 203.09	$ 3.5462	60	$ 212.77	$ 9.68	4.77%
RTSR - Connection and/or Line and Transformation Connection	$ 2.5670	60	$ 154.02	$ 2.5549	60	$ 153.29	$ (0.73)	-0.47%
Sub-Total C - Delivery (including Sub-Total B)			**$ 907.37**			**$ 1,075.59**	**$ 168.22**	**18.54%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	21,048	$ 71.56	$ 0.0034	21,048	$ 71.56	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	21,048	$ 10.52	$ 0.0005	21,048	$ 10.52	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.0967	21,048	$ 2,035.34	$ 0.0967	21,048	$ 2,035.34	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 3,025.05**			**$ 3,193.27**	**$ 168.22**	**5.56%**
HST	13%		$ 393.26	13%		$ 415.13	$ 21.87	5.56%
Ontario Electricity Rebate	17.0%		$ (514.26)	17.0%		$ (542.86)		
Total Bill on Average IESO Wholesale Market Price			**$ 3,418.31**			**$ 3,608.40**	**$ 190.09**	**5.56%**

In the manager's summary, discuss the reas

Customer Class:	EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	468,676	kWh
Demand	1,127	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 610.63	1	$ 610.63	$ 628.03	1	$ 628.03	$ 17.40	2.85%
Distribution Volumetric Rate	$ 9.2267	1127	$ 10,398.49	$ 9.4897	1127	$ 10,694.89	$ 296.40	2.85%
Fixed Rate Riders	$ -	1	$ -	$ 76.62	1	$ 76.62	$ 76.62	
Volumetric Rate Riders	-$ 1.6939	1127	$ (1,909.03)	$ -	1127	$ -	$ 1,909.03	-100.00%
Sub-Total A (excluding pass through)			**$ 9,100.10**			**$ 11,399.54**	**$ 2,299.45**	**25.27%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ 0.0009	1,127	$ 1.01	$ 0.5977	1,127	$ 673.61	$ 672.59	66311.11%
CBR Class B Rate Riders	$ 0.0953	1,127	$ 107.40	-$ 0.0306	1,127	$ (34.49)	$ (141.89)	-132.11%
GA Rate Riders	-$ 0.0001	468,676	$ (46.87)	-$ 0.0004	468,676	$ (187.47)	$ (140.60)	300.00%

Low Voltage Service Charge	$	0.1094	1,127	$ 123.29	$	0.1094	1,127	$ 123.29	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$	-	1	$ -	$	-	1	$ -	$ -	
Additional Fixed Rate Riders	$	-	1	$ -	$	-	1	$ -	$ -	
Additional Volumetric Rate Riders	$	-	1,127	$ -	$	-	1,127	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)				**$ 9,284.94**				**$ 11,974.49**	**$ 2,689.55**	**28.97%**
RTSR - Network	$	3.3848	1,127	$ 3,814.67	$	3.5462	1,127	$ 3,996.57	$ 181.90	4.77%
RTSR - Connection and/or Line and Transformation Connection	$	2.5670	1,127	$ 2,893.01	$	2.5549	1,127	$ 2,879.37	$ (13.64)	-0.47%
Sub-Total C - Delivery (including Sub-Total B)				**$ 15,992.62**				**$ 18,850.43**	**$ 2,857.81**	**17.87%**
Wholesale Market Service Charge (WMSC)	$	0.0034	493,235	$ 1,677.00	$	0.0034	493,235	$ 1,677.00	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$	0.0005	493,235	$ 246.62	$	0.0005	493,235	$ 246.62	$ -	0.00%
Standard Supply Service Charge	$	0.25	1	$ 0.25	$	0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$	0.0967	493,235	$ 47,695.79	$	0.0967	493,235	$ 47,695.79	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price				**$ 65,612.27**				**$ 68,470.08**	**$ 2,857.81**	**4.36%**
HST		13%		$ 8,529.60		13%		$ 8,901.11	$ 371.52	4.36%
Ontario Electricity Rebate		17.0%		$ -		17.0%		$ -		
Total Bill on Average IESO Wholesale Market Price				**$ 74,141.87**				**$ 77,371.19**	**$ 3,229.32**	**4.36%**

In the manager's summary, discuss the reas

Customer Class:	**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**3,500**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0524**	
Proposed/Approved Loss Factor	**1.0524**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 53.36	1	$ 53.36	$ 54.88	1	$ 54.88	$ 1.52	2.85%
Distribution Volumetric Rate	$ 0.0290	3500	$ 101.50	$ 0.0298	3500	$ 104.30	$ 2.80	2.76%
Fixed Rate Riders	$ -	1	$ -	$ 0.92	1	$ 0.92	$ 0.92	
Volumetric Rate Riders	-$ 0.0057	3500	$ (19.95)	$ -	3500	$ -	$ 19.95	-100.00%
Sub-Total A (excluding pass through)			**$ 134.91**			**$ 160.10**	**$ 25.19**	**18.67%**
Line Losses on Cost of Power	$ 0.1034	183	$ 18.97	$ 0.1034	183	$ 18.97	$ -	0.00%
Total Deferral/Variance Account Rate Riders	$ 0.0030	3,500	$ 10.50	$ 0.0017	3,500	$ 5.95	$ (4.55)	-43.33%
CBR Class B Rate Riders	$ 0.0003	3,500	$ 1.05	-$ 0.0001	3,500	$ (0.35)	$ (1.40)	-133.33%
GA Rate Riders	$ -	3,500	$ -	$ -	3,500	$ -	$ -	
Low Voltage Service Charge	$ 0.0003	3,500	$ 1.05	$ 0.0003	3,500	$ 1.05	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	3,500	$ -	$ -	3,500	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 166.48**			**$ 185.72**	**$ 19.24**	**11.56%**
RTSR - Network	$ 0.0083	3,683	$ 30.57	$ 0.0087	3,683	$ 32.05	$ 1.47	4.82%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0063	3,683	$ 23.21	$ 0.0063	3,683	$ 23.21	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 220.25**			**$ 240.97**	**$ 20.71**	**9.40%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	3,683	$ 12.52	$ 0.0034	3,683	$ 12.52	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	3,683	$ 1.84	$ 0.0005	3,683	$ 1.84	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0820	2,240	$ 183.68	$ 0.0820	2,240	$ 183.68	$ -	0.00%
TOU - Mid Peak	$ 0.1130	630	$ 71.19	$ 0.1130	630	$ 71.19	$ -	0.00%
TOU - On Peak	$ 0.1700	630	$ 107.10	$ 0.1700	630	$ 107.10	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 596.84**			**$ 617.55**	**$ 20.71**	**3.47%**
HST	13%		$ 77.59	13%		$ 80.28	$ 2.69	3.47%
Ontario Electricity Rebate	17.0%		$ (101.46)	17.0%		$ (104.98)	$ (3.52)	
Total Bill on TOU			**$ 572.97**			**$ 592.85**	**$ 19.88**	**3.47%**

In the manager's summary, discuss the reas

Customer Class:	**STANDBY POWER SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**-**	**kWh**
Demand	**4,500**	**kW**
Current Loss Factor	**1.0524**	
Proposed/Approved Loss Factor	**1.0524**	

Current OEB-Approved	Proposed	Impact

	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Distribution Volumetric Rate	$ 1.3163	4500	$ 5,923.35	$ 1.3538	4500	$ 6,092.10	$ 168.75	2.85%
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	4500	$ -	$ -	4500	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 5,923.35**			**$ 6,092.10**	**$ 168.75**	**2.85%**
Line Losses on Cost of Power	$ 0.0967	-	$ -	$ 0.0967	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	4,500	$ -	$ -	4,500	$ -	$ -	
CBR Class B Rate Riders	$ -	4,500	$ -	$ -	4,500	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	4,500	$ -		4,500	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	4,500	$ -	$ -	4,500	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 5,923.35**			**$ 6,092.10**	**$ 168.75**	**2.85%**
RTSR - Network	$ -	4,500	$ -	$ -	4,500	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	4,500	$ -	$ -	4,500	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ 5,923.35**			**$ 6,092.10**	**$ 168.75**	**2.85%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.0967	-	$ -	$ 0.0967	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 5,923.60**			**$ 6,092.35**	**$ 168.75**	**2.85%**
HST	13%		$ 770.07	13%		$ 792.01	$ 21.94	2.85%
Ontario Electricity Rebate	17.0%		$ -	17.0%		$ -		
Total Bill on Average IESO Wholesale Market Price			**$ 6,693.67**			**$ 6,884.36**	**$ 190.69**	**2.85%**

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	1,400	kWh
Demand	5	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 6.11	18	$ 109.98	$ 6.28	18	$ 113.04	$ 3.06	2.78%
Distribution Volumetric Rate	$ 7.0600	5	$ 35.30	$ 7.2612	5	$ 36.31	$ 1.01	2.85%
Fixed Rate Riders	$ -	18	$ -	$ 0.07	18	$ 1.26	$ 1.26	
Volumetric Rate Riders	-$ 2.6853	5	$ (13.43)	$ -	5	$ -	$ 13.43	-100.00%
Sub-Total A (excluding pass through)			**$ 131.85**			**$ 150.61**	**$ 18.75**	**14.22%**
Line Losses on Cost of Power	$ 0.1034	73	$ 7.59	$ 0.1034	73	$ 7.59	$ -	0.00%
Total Deferral/Variance Account Rate Riders	$ 0.2602	5	$ 1.30	$ 0.5064	5	$ 2.53	$ 1.23	94.62%
CBR Class B Rate Riders	$ 0.0834	5	$ 0.42	-$ 0.0251	5	$ (0.13)	$ (0.54)	-130.10%
GA Rate Riders	$ -	1,400	$ -	$ -	1,400	$ -	$ -	
Low Voltage Service Charge	$ 0.0892	5	$ 0.45	$ 0.0892	5	$ 0.45	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	18	$ -	$ -	18	$ -	$ -	
Additional Fixed Rate Riders	$ -	18	$ -	$ -	18	$ -	$ -	
Additional Volumetric Rate Riders	$ -	5	$ -	$ -	5	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 141.60**			**$ 161.05**	**$ 19.44**	**13.73%**
RTSR - Network	$ 2.8845	5	$ 14.42	$ 3.0220	5	$ 15.11	$ 0.69	4.77%
RTSR - Connection and/or Line and Transformation Connection	$ 2.0949	5	$ 10.47	$ 2.0851	5	$ 10.43	$ (0.05)	-0.47%
Sub-Total C - Delivery (including Sub-Total B)			**$ 166.50**			**$ 186.58**	**$ 20.08**	**12.06%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	1,473	$ 5.01	$ 0.0034	1,473	$ 5.01	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	1,473	$ 0.74	$ 0.0005	1,473	$ 0.74	$ -	0.00%
Standard Supply Service Charge	$ 0.25	18	$ 4.50	$ 0.25	18	$ 4.50	$ -	0.00%
TOU - Off Peak	$ 0.0820	896	$ 73.47	$ 0.0820	896	$ 73.47	$ -	0.00%
TOU - Mid Peak	$ 0.1130	252	$ 28.48	$ 0.1130	252	$ 28.48	$ -	0.00%
TOU - On Peak	$ 0.1700	252	$ 42.84	$ 0.1700	252	$ 42.84	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 321.54**			**$ 341.61**	**$ 20.08**	**6.24%**
HST	13%		$ 41.80	13%		$ 44.41	$ 2.61	6.24%
Ontario Electricity Rebate	17.0%		$ (54.66)	17.0%		$ (58.07)	$ (3.41)	

In the manager's summary, discuss the reas

Total Bill on TOU			$ 308.67			$ 327.95	$ 19.28	6.24%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	5,400	kWh
Demand	15	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 4.09	124	$ 507.16	$ 4.21	124	$ 522.04	$ 14.88	2.93%
Distribution Volumetric Rate	$ 8.1548	15	$ 122.32	$ 8.3872	15	$ 125.81	$ 3.49	2.85%
Fixed Rate Riders	$ -	124	$ -	$ 0.03	124	$ 3.72	$ 3.72	
Volumetric Rate Riders	$ 6.8909	15	$ 103.36	$ 6.2707	15	$ 94.06	$ (9.30)	-9.00%
Sub-Total A (excluding pass through)			**$ 732.85**			**$ 745.63**	**$ 12.78**	**1.74%**
Line Losses on Cost of Power	$ 0.0967	283	$ 27.36	$ 0.0967	283	$ 27.36	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 1.7470	15	$ (26.21)	$ 0.5202	15	$ 7.80	$ 34.01	-129.78%
CBR Class B Rate Riders	$ 0.0834	15	$ 1.25	-$ 0.0269	15	$ (0.40)	$ (1.65)	-132.25%
GA Rate Riders	-$ 0.0001	5,400	$ (0.54)	-$ 0.0004	5,400	$ (2.16)	$ (1.62)	300.00%
Low Voltage Service Charge	$ 0.0834	15	$ 1.25	$ 0.0834	15	$ 1.25	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	124	$ -	$ -	124	$ -	$ -	
Additional Fixed Rate Riders	$ -	124	$ -	$ -	124	$ -	$ -	
Additional Volumetric Rate Riders	$ -	15	$ -	$ -	15	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 735.96**			**$ 779.48**	**$ 43.52**	**5.91%**
RTSR - Network	$ 2.5054	15	$ 37.58	$ 2.6249	15	$ 39.37	$ 1.79	4.77%
RTSR - Connection and/or Line and Transformation Connection	$ 1.9586	15	$ 29.38	$ 1.9494	15	$ 29.24	$ (0.14)	-0.47%
Sub-Total C - Delivery (including Sub-Total B)			**$ 802.92**			**$ 848.10**	**$ 45.17**	**5.63%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	5,683	$ 19.32	$ 0.0034	5,683	$ 19.32	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	5,683	$ 2.84	$ 0.0005	5,683	$ 2.84	$ -	0.00%
Standard Supply Service Charge	$ 0.25	124	$ 31.00	$ 0.25	124	$ 31.00	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.0967	5,400	$ 522.18	$ 0.0967	5,400	$ 522.18	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 1,378.27**			**$ 1,423.44**	**$ 45.17**	**3.28%**
HST	13%		$ 179.17	13%		$ 185.05	$ 5.87	3.28%
Ontario Electricity Rebate	17.0%		$ -	17.0%		$ -		
Total Bill on Average IESO Wholesale Market Price			**$ 1,557.44**			**$ 1,608.49**	**$ 51.04**	**3.28%**

In the manager's summary, discuss the reas

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 40.16	1	$ 40.16	$ 41.30	1	$ 41.30	$ 1.14	2.84%
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -	
Fixed Rate Riders	$ (3.89)	1	$ (3.89)	$ 0.29	1	$ 0.29	$ 4.18	-107.46%
Volumetric Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 36.27**			**$ 41.59**	**$ 5.32**	**14.67%**
Line Losses on Cost of Power	$ 0.0967	39	$ 3.80	$ 0.0967	39	$ 3.80	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0012	750	$ (0.90)	$ 0.0016	750	$ 1.20	$ 2.10	-233.33%
CBR Class B Rate Riders	$ 0.0003	750	$ 0.23	-$ 0.0001	750	$ (0.08)	$ (0.30)	-133.33%
GA Rate Riders	-$ 0.0001	750	$ (0.08)	-$ 0.0004	750	$ (0.30)	$ (0.23)	300.00%
Low Voltage Service Charge	$ 0.0003	750	$ 0.23	$ 0.0003	750	$ 0.23	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.43	1	$ 0.43	$ 0.42	1	$ 0.42	$ (0.01)	-2.33%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 39.98**			**$ 46.86**	**$ 6.89**	**17.22%**
RTSR - Network	$ 0.0093	789	$ 7.34	$ 0.0097	789	$ 7.66	$ 0.32	4.30%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0072	789	$ 5.68	$ 0.0072	789	$ 5.68	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 53.00**			**$ 60.20**	**$ 7.20**	**13.59%**

In the manager's summary, discuss the reas

Wholesale Market Service Charge (WMSC)	**$ 0.0034**	789	$ 2.68	**$ 0.0034**	**789**	**$ 2.68**	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0005**	789	$ 0.39	**$ 0.0005**	**789**	**$ 0.39**	$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	**$ 0.0967**	750	$ 72.53	**$ 0.0967**	**750**	**$ 72.53**	$ -	0.00%
Total Bill on Non-RPP Avg. Price			**$ 128.60**			**$ 135.80**	**$ 7.20**	**5.60%**
HST	13%		$ 16.72	13%		$ 17.65	$ 0.94	5.60%
Ontario Electricity Rebate	17.0%		$ (21.86)	17.0%		$ (23.09)		
Total Bill on Non-RPP Avg. Price			**$ 145.32**			**$ 153.46**	**$ 8.14**	**5.60%**

Attachment B

South Central Ontario LDC Mutual Assistance Plan

South Central Ontario LDC Mutual Assistance Plan

REVISION HISTORY

Name	Date	Reason for Change	Version
Oshawa	2005	Original Issue	V.0
Veridian	30-Nov-10	Updated to reflect meeting minutes	V.1
Veridian	03-May-11	Added Individual Letters of Intent	V.2
Veridian	01-Aug-12	Annual Update – Contact Listing	V.3
Veridian	28-May-13	Annual Update	V.4
Veridian	25-Sep-13	Added Lakeland and Orillia	V.5
Veridian	25-May-15	Added GridSmartCity LDC's	V.6
Veridian	18-Aug-15	Revisions per GridSmartCity	V.7
GridSmartCity	4-July-16	Added Brantford and Welland	V.8
Veridian	16-Aug-16	Updated Contact Information	V.9
GridSmartCity	19-Jun-17	Added Essex/Updated Contact Info	V.10
GridSmartCity	05-Feb-18	Added CNPower/Enwin/Updated Contacts	V.11

Table Of Contents

1.0 Introduction

In some situations, an electrical emergency may be of a magnitude that exceeds the capacity of a utility to respond within a reasonable time frame. This Mutual Assistance Plan provides a cooperative mechanism to augment manpower, material and resources to effectively respond to unusual events that adversely affect customer services. It is understood that this plan shall by no means supersede any existing policies, procedures or codes of conduct that currently exists at each utility and their policies, procedures and codes of conduct will be respected when working at each other's utility.

This Mutual Assistance Plan enables its partners to individually provide assistance to each other, as required and as resources are available, in the event of system-wide outages caused by extreme weather, major equipment failure or collapse of the bulk supply system or other extreme operating conditions requiring resources beyond the usual capabilities of the requesting partner.

Safety is absolutely paramount and of critical importance to all participating utilities, and both the responding utilities and the Requesting Utility will follow all safety policies and procedures currently in place at the Requesting Utility.

2.0 Procedure

In the absence of a continuing formal contract between a utility requesting emergency assistance (Requesting Utility) and the utility willing to furnish such assistance (Responding Utility), the following principles are suggested as the basis for a plan governing emergency assistance to be established at the time such assistance is requested. This plan is to be reviewed and updated every 2 years, with the contact listing updated yearly or as required, by all partners.

2.1 Communications

Once the Requesting Utility has determined that the Mutual Assistance Plan should be activated, they will contact the Mutual Assistance Partners directly. Secondly, the "Request for Assistance" form shall be directed to the Mutual Assistance Partners who have confirmed their availability. Those Partners are encouraged to complete the "Response to Request for Assistance" form and return the form to the Requesting Utility.
(Refer to Appendix 'B' & 'C')

2.2 Contact Personnel

Each participating partner shall provide and maintain an active list of contact personnel, telephone numbers, email addresses and emergency phone numbers. **(Refer to Appendix 'D'*)***

2.3 Standards/ESA Reg. 22/04

Each participating partner will ensure that all Ont. Reg. 22/04 regulations are followed and that the responding utility will respect the construction standards adopted by the Requesting Utility. The Requesting Utility will be responsible for assigning a Construction Verification Program (CVP) signing authority.

2.4 Collective Bargaining Agreements (CBA)

It is understood that the Requesting Utility will adhere to and respect all rights, recognition and intent of the Responding Utilities CBA.

3.0 Conditions of Participation

The purpose of this agreement is to identify criteria and establish commitment from all parties involved in the South Central Ontario LDC Mutual Assistance Plan to respond to requests by any partner for mutual aid assistance.

The South Central Ontario LDC Mutual Assistance Plan consists of:

1. Lakefront Utility Services Inc.	Cobourg & Colborne
2. Peterborough Distribution Inc.	Peterborough, Lakefield & Norwood
3. Oshawa PUC Networks Inc.	Oshawa
4. Veridian Connections Inc.	Ajax, Pickering, Clarington, Uxbridge, Brock, Port Hope, Belleville Scugog & Gravenhurst
5. Whitby Hydro Energy Services Corp.	Whitby
6. Lakeland Power Distribution Ltd.	Bracebridge
7. Orillia Power Distribution Corp.	Orillia
8. Burlington Hydro Inc.	Burlington
9. Cambridge and North Dumfries Hydro Inc.	Cambridge and North Dumfries
10. Guelph Hydro Electric Systems Inc.	Guelph and Rockwood
11. Halton Hills Hydro Inc.	Halton Hills
12. Kingston Hydro Corporation	Kingston
13. Kitchener-Wilmot Hydro Inc.	Kitchener and Wilmot
14. Milton Hydro Distribution Inc.	Milton
15. Niagara Peninsula Energy Inc.	Niagara Falls, Lincoln and Pelham
16. Oakville Hydro Inc.	Oakville
17. Waterloo North Hydro Inc.	Waterloo, Woolwich & Wellesley
18. Brantford Power Inc.	Brantford
19. Welland Hydro-Electric System Corp.	Welland
20. Essex Powerlines Corp.	Amherstburg, LaSalle, Leamington, & Tecumseh
21. Enwin Utilities Ltd.	Windsor
22. Canadian Niagara Power Inc.	Fort Erie & Port Colborne

3.1 Costs and Invoicing

It is agreed by all parties that the Requesting Utility shall bear the costs incurred by the group partner(s) rendering assistance and that the Responding Utility shall invoice the Requesting Utility for Labour, Materials and Equipment including overheads and burdens based on the Responding Utility's existing collective bargaining agreements, current equipment rates and current material costs.

3.2 Travel Time and Expenses

Employee travel and living expenses (meals, lodging and reasonable incidentals) shall be paid by the Requesting Utility.

3.3 Supervision

The Responding Utility shall make available at least one Supervisor (Line Supervisor or Lead Hand) per crew. The Requesting Utility will make available a Liaison for each Responding Utility's crew(s). This Liaison will accompany the responding crew(s) and provide instructions, operating maps, communication devices, documentation, work packages and any other documents or equipment required to allow the Responding Utility to complete all work requested. It will be the responsibility of the Responding Utility's Supervisor(s) to communicate with the Liaison to ensure all work packages and documentation are received and returned as requested.

3.4 WSIB

If a State of Emergency is declared to exist by a participating partner, the Premier of Ontario or head of council of a municipality, and a person is sent to assist, the Requesting Utility, the municipality or Crown (Government of Ontario) is considered the employer of that person for the purposes of assessing any accident costs. However, the workers regular employer continues to be responsible for:

- Maintaining employment benefits as required by section 25 of the Act,
- Complying with the obligation to co-operate in the early and safe return to work of the worker (section 40), and
- Complying with the obligation to re-employ the worker (section 41) if it applies.

3.5 Accident/Injury

If an accident/injury occurs to a Responding Utility employee while responding to or conducting repairs to the Requesting Utility plant in an emergency other than outlined in 3.4, the Responding Utility will be responsible for and report within the required timeframe to WSIB and the Requesting Utility. If requested, all WSIB documentation will be provided to the Requesting Utility in a timely manner.

3.6 Liability

The Requesting Utility shall indemnify and hold the Responding Utility harmless from and against any and all liability for loss including but not limited to; damage, cost, or expense which the Responding Utility may incur by reason of bodily injury, including death, to any person or persons or by reason of damage to or destruction of any property, including the loss of use thereof, which result from furnishing emergency assistance and whether or not due in whole or in part to any act, omission, or negligence of the Responding Utility.

3.7 Work Practices, Utility Work Protection Code and Working Hours

The Responding Utility's crews must be informed of local construction practices, the Utility Work Protection Code, status of energized or de-energized circuits, and any special hazards or concerns.

It is agreed that full use be made of crews when they are remote from their home base, thus a minimum of 12 hour shift (including meals and travel time) shall be the standard to a suggested maximum of 16 hours. A minimum 8 hours rest period between shifts is required. (periods of 16 working hours per day may be considered only if replacement crews are available after 7-8 days.) Ontario Regulation 555/06 (Highway Traffic Act – Hours of Service) and the Employment Standards Act shall be complied with at all times. All time sheets and work records pertaining to the Responding Utility's employees that are furnishing emergency assistance shall be kept by the Responding Utility. Information recorded shall include the Utility name, the employee name, the date of each work period, the start time and quitting time, brief description of the work, and shall be kept on a daily basis.

3.8 Materials

Replacement cost of materials and supplies expended or furnished shall be paid by the Requesting Utility.

3.9 Fuel

The Requesting Utility shall be responsible for making necessary arrangements for fueling of vehicles (nonleaded, diesel, natural gas and propane) as well as appropriate oil and lubricants. Should these arrangements be with service stations, all invoices would be submitted to the Requesting Utility. The Requesting Utility shall make arrangements to have a generator to pump fuel should the power be off at the local service station.

3.10 Invoicing

The Responding Utility should be prepared to send an itemized statement outlining total costs incurred to the Requesting Utility as soon as possible. Labour and equipment charges listing the total daily hours shall be paid according to Section 3.1.

4.0 Accommodations & Meals

Each participating partner shall maintain a list of reasonable establishments that are able to provide food and accommodations. The Requesting Utility shall be responsible for the reasonable costs of food and accommodations.

4.1 Vehicles and Equipment

The "Response to Request for Assistance" **(Refer to Appendix 'C')** shall be utilized to confirm the type and quantity of vehicles and equipment available from the Responding Utility.

The Requesting Utility shall endeavour to arrange for servicing of vehicles and equipment, however the Responding Utility shall be responsible for proper servicing of their vehicles and equipment and the associated costs.

Updated Commercial Vehicle Operator Registration (CVOR) certificates shall be provided if requested.

4.2 Field Communications

It is recognized that most radio communication systems are not compatible with each other; therefore it is strongly recommended that all Responding Utility's employees are equipped with cellular telephones.

It is strongly recommended that radio communication be used for all switching operations; therefore it shall be the responsibility of the Requesting Utility to provide a radio device to communicate between the Responding Utilities and the Control Centre.

.If radio communications are not available, cellular phones may be used as an alternate means of communication.

4.3 Permits, Approvals, Clearances

Participating partners shall pre-determine and address whether or not special permits for their vehicles are required when traveling outside of their service territory and whether vehicles are covered by their insurance carrier.

4.4 Check List (Requesting Utility)

1. Assess extent of damage to obtain as clear an indication as possible to:
   - Number and type of personnel required
   - Type and quantity of required equipment
   - Type of work likely to be encountered: e.g. subtransmission, distribution, services, underground, pole replacement, conductor repair, forestry work, etc.
   - Materials required

2. Advise as to any specific material and equipment that incoming crews shall bring; e.g. reels of conductor, pole trailers, heavy duty rigging, emergency lighting, portable generators, chain saws, portable grounds, etc.

3. Indicate sizes of conductor likely to be worked on to ensure proper sizes of sleeves, grips, presses and dies, etc. are brought along.

4. Indicate where incoming crews are to report, and provide directions on how to get there.

5. Arrange for accommodation and meals of incoming crews. Provide Confirmation Numbers to each crew.

6. Establish clear hours of work, and confirm with assisting crews.

7. A handout sheet containing all pertinent instructions such as priorities, company policy and hours of work, charge numbers, names and phone numbers of local staff, etc. would be helpful.

8. Check-in and check-out sheets are useful for recording information on outside crews.

9. Identify all known network hazards that may be present (e.g. – Distributed Generation) and guard against such.

10. Have adequate supply of distribution system maps to hand out.

11. Establish a plan for material issuing and delivery.

12. Consider special time reporting procedures for restoration period, e.g., time sheets submitted daily completed by Requesting Utility.

13. Indicate approximate length of time that the assisting crews may expect to be away from home.

14. Provide Town/City street maps to assist the Responding Utility

15. Contact Electrical Safety Authority for inspection during emergency conditions.

16. Request the Responding Utilities' employees to bring Cellular phones

17. Spare batteries and/or quick chargers are important to have available for battery operated tools or communications device.

4.5 Check List (Responding Utility)

1. Ensure the personnel being sent are familiar with the type of work being requested by the Requesting Utility

2. Ensure all tools, equipment and material that has been requested is available. (e.g. chain saws, portable grounds, generators, lighting , rigging)

3. Inform personnel where to report upon arrival

4. Inform responding personnel of
    a. Expected duration of assistance
    b. Accommodations and meals plan if known
    c. Hours of work

5. Ensure responding personnel request copies of:
    a. All Requesting Utility contact information that may be required
    b. All relevant policies/procedures and distribution system maps
    c. Any pertinent instructions
    d. Town/City street maps

6. Bring cellular telephone and charging device

4.6 Vendors, Suppliers and Independent Contractors

The Requesting Utility shall ensure that any external contractors providing assistance carry required insurance. A list of local contractors shall be developed and documentation shall be maintained on file.

4.7 Public Complaints, Claims and Media Inquiries

The Requesting Utility shall make available a representative to handle all customer inquiries, complaints, claims and media inquires arising out of the emergency.

4.8 Other Support

This Mutual Assistance Plan was initially intended to provide Operational (Lines) support; however, it is not strictly confined to such. Other support that may be requested and responded to include, but is not limited to:

a. Engineering Support
b. Material Procurement Support
c. Fleet Support
d. Communications Support
e. Customer Services Support

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"Brantford Power Inc."

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Brantford Power Inc.

Signature: _____
Brantford Power Inc., President & CEO

Date: July 5- 2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
WELLAND HYDRO-ELECTRIC SYSTEM CORP.

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: WELLAND HYDRO-ELECTRIC SYSTEM CORP.

Signature: _____
ROSS PEEVER, President & CEO

Date: July 5/16

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Lakefront Utility Services Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Lakefront Utility Services Inc.

Signature: _____

Dereck Paul, President

Date: May 7/2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Lakeland Power Distribution Ltd.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Lakeland Power Distribution Ltd.

Signature: _____
Chris Litschko, President

Date: Jan 25, 2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Orillia Power Distribution Corporation

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Orillia Power Distribution Corporation

Signature: _____
President & CEO, Orillia Power Distribution Corporation

Date: JULY 22, 2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Oshawa PUC Networks Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Oshawa PUC Networks Inc.

Signature: _____
Atul Mahajan, President & CEO

Date: Feb 29 / 2016.

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Peterborough Distribution Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Peterborough Distribution Inc.

Signature: _____
John Stephenson, President & CEO

Date: JANUARY 21, 2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Veridian Connections Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Veridian Connections Inc.

Signature: M. C. Angemeer
Michael Angemeer, President & CEO

Date: Jan 18, 2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Whitby Hydro Energy Services Corp.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Whitby Hydro Energy Services Corp.

Signature: _____
John Sanderson P.Eng., President & CEO

Date: March 4, 2016

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"Burlington Hydro Inc."

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Burlington Hydro

Signature: _____
Gerry Smallegange, President & CEO

Date: Sept 28/15

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"Cambridge and North Dumfries Hydro Inc."

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Cambridge and North Dumfries Hydro Inc.

Signature: _____
Ian Miles, President & CEO

Date: **September 15, 2015**

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent

Guelph Hydro Electric Systems Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Guelph Hydro Electric Systems Inc.

Signature: _____
Kazi Marouf, COO

Date: September 21, 2015.

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Halton Hills Hydro Inc.

Signature:

Arthur A Skidmore, President & CEO

Date: **September 15, 2015**

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Kingston Hydro Corporation

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Kingston Hydro Corporation

Signature: _____
J.A. (Jim) Keech, President & CEO

Date: October 20, 2015

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"KITCHENER-WILMOT HYDRO INC."

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: KITCHENER-WIMOT HYDRO INC.

Signature: J. Van Ooteghem

JERRY VAN OOTEGHEM, President & CEO

Date: September 21, 2015

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"Milton Hydro Distribution Inc."

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Milton Hydro Distribution Inc.

Signature:

Frank Lasowski, President & CEO

Date: October 21, 2015

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Niagara Peninsula Energy Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Niagara Peninsula Energy Inc.

Signature: _____
President & CEO

Date: **September 15, 2015**

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"Oakville Hydro Electricity Distribution Inc."

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Oakville Hydro Electricity Distribution Inc.

Signature: _____

Rob Lister, President & CEO

Date: September 15, 2015

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent

Waterloo North Hydro Inc.

Waterloo North Hydro Inc.

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Waterloo North Hydro Inc.

Signature: Rene W. Gatien.

Rene W. Gatien, P. Eng. MBA
President & CEO

Date: September 15, 2015

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
Essex Powerlines Corporation

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Essex Powerlines Corporation

Signature: 

Ray Tracey, President & CEO

Date: **April 5, 2017**

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent
"ENWIN Utilities Ltd."

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: *ENWIN* Utilities Ltd.

Signature: _____
Helga Reidel, President & CEO

Date: 12/18/17

Appendix 'A'

South Central Ontario LDC
Mutual Assistance Plan

Letter of Intent

Canadian Niagara Power Inc.

CANADIAN NIAGARA POWER INC.
A FORTIS ONTARIO Company

GridSmartCity
renewing energy

The South Central Ontario LDC electrical distribution utilities have agreed to participate in this Mutual Assistance Plan. The plan gives direction on how these utilities would provide emergency assistance to each other.

The following Letters of Intent represent each utility that has indicated its intention to participate voluntarily as a partner. The ability to provide assistance may be limited by a partner's own emergency conditions or other prior commitments.

Utility: Canadian Niagara Power Inc.

Signature:

Jie Han
Vice President Operations

Date: January 9, 2018

Appendix "B"

South Central Ontario LDC Mutual Assistance Plan
Request for Assistance

Company: _____ Date: _____

Contact: _____ Time: _____

Phone: _____ Email: _____

Nature of Problem:

_____

_____

_____

_____

Approximate Area Affected:

_____

_____

Approximate # of Customers Affected: _____

Assistance Required

Personnel: _____

_____

Equipment: _____

_____

Material: _____

_____

Appendix "C"

South Central Ontario LDC Mutual Assistance Plan
Response to Request for Assistance

Company: _____ Date: _____

Contact: _____ Time: _____

Phone: _____ Email: _____

TITLE	QTY	TITLE	QTY
Line Supervisor		Substation Electrican	
Lead Lineperson		Meterperson	
Lineperson		Engineering Technician	
Locator			

Cell Phones: Quantity _____

Portable Radios: Quantity _____

VEHICLES	DESCRIPTION (eg. height, make, size)	QUANTITY
Line Truck, RBD		
Double Bucket		
Single Bucket		
Other		

EQUIPMENT	DESCRIPTION (eg. type make, size)	QUANTITY
Chain Saws		
Chippers		
Pole Trailers		
Other		

Appendix 'D'

Contact List

Utility	Name
Lakefront Utility Services Inc.	Chris Callaghan, C.Tech. Electrical Distribution Systems Mgr. of Assets & Design O - 905-372-2193 X – 5204 C - 705-760-4534 ccallaghan@lusi.on.ca Kevin Bray Electrical Distribution Sub-Foreman H - 905-342-2932 C – 905-377-5768 kbray@lusi.on.ca Steve Jackson Electrical Distribution Technician O - 905-372-2193 X - 5252 H - 905-342-9538 C - 905-377-5476 sjackson@lusi.on.ca
Oshawa PUC Networks Inc.	Distribution System Operator 8:00 am to 4:30 pm, Monday-Friday 905-723-4626 ext 5235 905-723-4211 (emergency line) 905-571-1015 (fax) Marc Richards Supervisor, Distribution Construction 905-723-4626 ext 5255 905-429-7958 (cell) 905-571-1015 (fax) mrichards@opuc.on.ca

Oshawa PUC Networks Inc. (cont'd)	Roger Ersil Manager, Metering and Operations 905-723-4626 ext 5242 905-244-4626 (Cell) 905-571-1015 (fax) rersil@opuc.on.ca
Peterborough Utilities Services	Mark Valiquette Manager Electric Distribution 705 - 748 - 9301 ext. 1361 705 – 930 – 5922 (Cell) mvaliquette@peterboroughutilities.ca Mike Ploc VP Electric Utility 705 - 748 - 9301 ext. 1390 705 – 750-8739 (Cell) 705 – 743-8179 (Residence) mploc@peterboroughutilities.ca John Stephenson President & CEO 705 - 748 - 9301 ext. 1280 705 - 760 - 0112 (Cell) jstephenson@peterboroughutilities.ca
Veridian Connections Inc.	Control Room Operator (24/7/365) 1-888-445-2881 Ext. 2210/2250 905-427-2756 (Direct dial) 905-427-7982 (FAX) Mike Weatherbee Manager, System Control Centre 1-888-445-2881 Ext. 3232 905-622-1700 (cell) 905-419-0756 (residence) mweatherbee@veridian.on.ca Falguni Shah Acting Vice President, Operations 1-888-445-2881 Ext. 2227 905-550-1856 (cell) fshah@veridian.on.ca

Veridian Connections Inc. (cont'd)	Chris O'Connor Manager, Lines Servies 1-888-445-2881 Ext. 3260 905-424-1193 (cell) coconnor@veridian.on.ca Michael Angemeer President & CEO 1-888-445-2881 Ext. 2200 289-314-2598 (cell) mangemeer@veridian.on.ca
Whitby Hydro Energy Services Corp	Control Room (07:00 to 23:00 Mon. to Fri.) Answered by Util Assist after hours 905-668-5878 (Main Office Line) 905 668-5878 ext 268 (Control Room) 905-668-7455 (Direct Line for Control) Paul LaRosa Director of Operations O - (905) 668-5878 ext. 247 F - (905) 668-8614 H - (905) 427-3193 C - (905) 424-8206 or (905) 626-6944 plarosa@whitbyhydro.on.ca Sean Doyle Supervisor, Lines O – (905) 668-5878 Ext. 245 C – (905) 242-5698 H – (905) 550-8446 sdoyle@whitbyhydro.on.ca Wayne Fox Supervisor, Lines O -(905) 668-5878 ext. 246 F - (905) 668-8614 C - (905) 260-8389 H - (905) 985-7610 wfox@whitbyhydro.on.ca John Sanderson, CEO O – (905) 668-5878 Ext. 279 C – (905) 706-3554 jsanderson@whitbyhydro.on.ca

Lakeland Power Distribution Ltd.	Brian Elliott, Manager of Operations Home: 705-788-7364 Office: 705-645-2670 ext. 519 Cell: 705-644-0867 email: belliott@lakelandpower.on.ca Chris Litschko, President Home: 705-646-0520 Cell: 705-644-0791 e-mail: cjlitschko@lakelandholding.com Vince Kulchycki, Chief Operating Officer Home: 705-645-0091 Cell: 705-644-0792 e-mail: vkulchycki@lakelandpower.on.ca
Orillia Power Distribution Corporation	Orillia Power Control Room (705) 326-0035 (24/7 unlisted) Glenn McCurdy, Director of Distribution Operations Office (705) 326-2495 Ext. 226 Fax (705) 326-0800 Cell (705) 330-2313 gmccurdy@orilliapower.ca Don Westgarth, Supervisor Distribution Lines Residence (705) 484-0562 Office (705) 326-2495 Ext. 247 Fax (705) 326-0800 Cell (705) 327-9264 dwestgarth@orilliapower.ca
Burlington Hydro Inc.	Brad Cumming, Director Operations Office (905) 332-2273 Cell (905) 977-9887 bcumming@burlingtonhydro.com Dan Guatto, VP Engineering/Operations Office (905) 332-2574 Cell (416) 937-2872 dguatto@burlingtonhydro.com

Energy + Inc.	Jeffrey Brown, VP, Operations Office (519) 621-8405 Ext 2500 Cell (519) 651-7387 Home (519) 893-0774 jbrown@camhydro.com Steve Riese, Construction & Maintenance Office (519) 621-8405 Ext 2535 Cell (519) 651-9261 Home (519) 622-7398 sriese@camhydro.com Mark Buitenhuis, Underground Construction & Maintenance Office (519) 621-8405 Ext 2533 Cell (519) 651-9283 Home (519) 740-8147 mbuitenhuis@camhydro.com Ron Sinclair, VP, Engineering Office (519) 621-8405 Ext 2229 Cell (519) 242-8432 Home (519) 836-3722 rsinclair@camhydro.com
Guelph Hydro Electric Systems Inc.	Michael Wittemund, VP, Eng. and Operations Office: (519) 837-7919 Cell: (519) 820-9422 Home: (416) 220-6657 Email: mwittemund@guelphhydro.com Paul Drone, Manager of Operations Office: (519)837-4708 Cell: (519) 841-3763 Home: (519) 843-5505 Email: pdrone@guelphhydro.com

Halton Hills Hydro Inc.	Don Matthews, Manager of Operations Office (519) 853-3700 Ext 235 Cell (905) 693-5441 Home (519) 856-1250 dmatthews@haltonhillshydro.com Ken Hurren, Lines Foreman Office (519) 853-3700 Ext 241 Cell (519) 362-3620 Home (519) 853-1240 khurren@haltonhillshydro.com
Kingston Hydro Corporation	Brad Joyce, Director, Hydro & Business Services Office (613) 546-1181 Ext 2319 Cell (613) 328-2573 Home (613) 376-7626 bjoyce@utilitieskingston.com Scott Neilson, Manager, Hydro Group Office (613) 546-1181 Ext 2298 Cell (613) 328-2711 Home (613) 354-3249 sneilson@utilitieskingston.com Dave Naboznak, Supervisor, Hydro Lines Office (613) 546-1181 Ext 2326 Cell (613) 329-7420 Home (613) 549-0150 dnaboznak@utilitieskingston.com
Kitchener-Wilmot Hydro Inc.	Jerry Van Ooteghem, President& CEO Office (519) 745-4771 Cell (519) 572-3656 Home (519) 743-1052 jvanooteghem@kwhydro.on.ca Wilf Meston, VP, Operations Office (519) 745-4771 Cell (519) 572-5822 Home (519) 886-8741 wmeston@kwhydro.on.ca Grieg Camerson, VP, Engineering & IT Office (519) 749-6182 gcameron@kwhydro.on.ca

Milton Hydro Distribution Inc.	Frank Lasowski, President & CEO Office (289) 429-5220 Cell (905) 299-2036 Home (905) 573-9738 lasowskif@miltonhydro.com Aldo Mastrofrancesco, Director, Engineering Office (289) 429-5214 Cell (289) 971-4634 mastrofrancesoA@miltonhydro.com Kyle Gervais, Lines Supervisor Office (905) 876-4611 Ext 241 Cell (905) 693-2517 Home (905) 876-1804
Niagara Peninsula Energy Inc.	Shanon Wilson, P.Eng., SVP, Asset Management Office (905) 353-6015 Cell (905) 321-3481 Shanon.wilson@npei.ca Bill Jenkins, Director of Operations Office (905) 353-6012 Cell (905) 658-5209 bill.jenkins@npei.ca Jim Sorley, C.E.T. – Eng. Services Manager Office - 1-877-270-3938 ex. 6224 Mobile - 905-327-1782 Email - jim.sorley@npei.ca Control Room Direct Line - 905-353-6024 Email - control@npei.ca

Oakville Hydro Electricity Distribution Inc.	Mike Brown, COO/VP Ops & Eng Office (905) 825-4469 Cell (416) 949-5561 mbrown@oakvillehydro.com Chris Cudmore, Director, Distribution Operations Office (905) 825-9400 Cell (905) 467-8768 ccudmore@oakvillehydro.com
Waterloo North Hydro Inc.	WNH Control Room - 519-888-5556 (answered 24 hours) John Kernick, Line Superintendent Office (519) 888-5549 Cell (519) 577-0665 jkernick@wnhydro.com Dave Wilkinson, VP Operations Office (519) 888-5566 Cell (519) 212-5749 Home (519) 745-9474 dwilkinson@wnhydro.com Rene Gatien, President & CEO Office 519-885-7943 Cell (519) 505-5056 Home (519) 824-7258 rgatien@wnhydro.com
Brantford Power Inc.	Steve Collett, Operations Manager Office (519) 751-3522 Ext. 5671 Cell (519) 717-6175 Home (519) 753-6266 scollett@brantford.ca Sinisia Grkovic, VP, Operations and Engineering Office (519) 751-3522 Ext. 5747 Cell (519) 717-5447 sgrkovic@brantford.ca Paul Kwasnik, President & CEO Office (519) 751-3522 Ext. 5487 Cell (519) 755-4007 PaulKwasnik@brantford.ca

Welland Hydro-Electric System Corp.	Wayne Armstrong, President & CEO Office (905) 732-1381 Ext. 234 warmstrong@wellandhydro.com Kevin Bailey, Director of Engineering and Operations Office (905) 732-1381 Ext. 252 Cell (905) 687-4753 kbailey@wellandhydro.com
Enwin Utilities Ltd.	Grant Pennington, Director, Hydro Operations gpennington@enwin.com Office: 519-251-7300 x216 Mobile: 519 919-0782 Marvio Vinhaes, Director, Hydro Engineering mvinhaes@enwin.com Office: 519-251-7300 x213 Mobile: 519-796-2790 James F. Brown, P. Eng. Vice President, Hydro Operations jbrown@enwin.com Office: 519-251-7300 x267 Mobile: 519-818-4424 Fax: 519-251-7308 Helga Reidel President & CEO ENWIN Utiliteis Ltd. Hreidel@enwin.com 519-255-2730 (office) 519-796-5202 (mobile)

Canadian Niagara Power Inc.	Don Gilbert Manager, Operations T&D Donald.Gilbert@cnpower.com (Office) 905-871-0331-X3287 (Cell) 905-658-7572 Jay Micallef Supervisor, Lines (Office) 905-871-0331-X3219 (Cell) 905-658-7572 Pat Futino Supervisor, Operations (Office) 905-871-0330 –X3254 (Cell)) 905-658-7553
Essex Powerlines Corp.	Dan Charron Operations Manager O – 519-37-9811 X – 193 H – 519-727-9493 C – 226-345-8534 dcharron@essexpowerlines.ca Joe Barile General Manager O – 519-737-9811 X – 217 H – C – 519-990-2794 jbarile@essexpowerlines.ca

Appendix "E"

System Voltages:

Utility	Voltage(s)
Lakefront Utility Services	44.0kV, 27.6kV, 4.16kV
Oshawa PUC Services Inc.	44.0kV, 13.8kV
Peterborough Distribution Inc.	44.0kV, 27.6kV, 8.32kV 4.16kV
Veridian Connections Inc.	44.0kV, 27.6kV, 13.8kV, 12.47kV 8.32kV, 4.16kV
Whitby Hydro	44.0kV, 13.8kV, 4.16kV
Lakeland Power Distribution Ltd.	44.0kV, 27.6kV, 12.47kV, 4.16kV
Orillia Power Distribution Corporation	44.0kV, 13.8kV, 4.16kV
Burlington Hydro Inc.	27.6kV, 13.8kV, 4.16kV
Energy + Inc.	27.6kV, 13.8kV, 4.16kV
Guelph Hydro Electric Systems Inc.	13.8kV, 8.32kV
Halton Hills Hydro Inc.	44kV, 27.6kV, 8.32kV, 4.16kV
Kingston Hydro	44kV, 4.16kV
Kitchener-Wilmot Hydro Inc.	27.6kV, 13.8kV, 8.32kV
Milton Hydro Distribution Inc.	27.6kV, 13.8kV, 8.32kV
Niagara Peninsula Energy Inc.	13.8kV, 4.16kV
Oakville Hydro Electricity Distribution Inc.	27.6kV, 13.8kV, 4.16kV
Waterloo North Hydro Inc.	44kV, 27.6kV, 13.8kV, 8.32kV, 4.16kV
Brantford Power Inc.	27.6kV, 4.16kV
Welland Hydro-Electric System Corp.	27.6kV, 4.16kV
Enwin Utilities Inc.	27.6kV
Canadian Niagara Power Inc.	34.5kV, 27.6kV, 8.32kV, 4.16kV
Essex Powerlines Corp.	27.6kV

Attachment C

Internal Process Documents

Emergency Response Roles and Responsibilities of Key Personnel

Function	Key Contact	Responsibilities	Resources
Restoration Coordinator	Regional Manager	Direct organized shutdown of system components if required.	System Control Line Crews Electrical Crews Metering Crews P&C Personnel
		Co-ordinate damage assessment.	Line Crews Electrical Crews Metering Crews P&C personnel Planners Engineers
		Develop restoration plan, deploy resources, and oversee restoration.	System Control Line Crews Electrical Crews Metering Crews P&C personnel
		Arrange for external assistance as required.	Neighboring utilities Other Fortis utilities
		Liaise among Restoration personnel, Customer Service, and Executive.	Customer Service Manager Operations Clerk Executive Assistant

Customer, Corporate Communications and Human Resources	Director, Corporate & Customer Services	Customer communications – coordinate customer calls, provide information to customers. Liaise with media and external entities (City, Emergency Services, etc.). Co-ordinate meals, accommodations, etc. for personnel involved in restoration. Provide other assistance as required.	Customer Service personnel Operations Clerk Executive Assistant Human Resources
Line Construction	Manager Operations Line Supervisor	Perform line patrols for damage assessment. Assist with developing restoration plan. Perform required repairs. Perform switching operations. Organize and liaise with contractors and crews from other utilities.	Line Crews Contract Line Crews Line Crews from other utilities.
Electrical	Manager Operations Electrical Specialist	Inspect substations for damage assessment. Assist with line patrols as required. Assist with developing restoration plan. Perform repairs as required. Perform switching operations. Organize and liaise with contractors and crews from other utilities.	Electrical Crews. Metering Crews. P&C personnel. Contractors Other utility crews
System Control	Manager Operations Supervisor, System Control	Direct switching operations. Maintain outage data. Assist with developing restoration plan. Liaise with field crews. Liaise with external entities – IESO, Hydro One, National Grid, and NYISO.	System Control Operators.
Protection & Control/SCADA	Manager Operations SCADA/P&C Coordinator	Assess damage to P&C and SCADA systems. Assist with Line patrols and substation assessments. Perform required repair.	P&C personnel Metering crews Contractors

Metering	Manager Operations Supervisor, Meter Services	Assess damage to bulk meter facilities. Assist with line patrols and substation inspections. Assist with development of restoration plan. Perform required repairs. Perform underground locates. Organize and liaise with contract personnel.	Metering crews P&C personnel Contractors Other utility crews.
Planning / Engineering	Manager Technical Services Supervisor Planning	Assist with damage assessment. Prepare plans/designs as required. Assist with underground locates. Provide other assistance as required.	Engineers Planning staff
Facilities, Fleet, and Stores	Manager Operations Supervisor, Facilities Maintenance	Assess damage to fleet vehicles. Procure and assign vehicles as required. Assess damage to facilities. Co-ordinate materials procurement and delivery. Assist with patrols and inspections as required. Perform required repairs to facilities and fleet. Organize and liaise with contractors.	Facilities personnel Contractors Suppliers
Health, Safety & Environment	Manager, Health, Safety & Environment - Corporate Senior Advisor HS&E	Monitor safety of field crews. Assist with managing environmental issues. Liaise with external entities – MOL, MOE, and EUSA.	HS&E personnel
Information Technology	Manager, Information Technology	Assess damage to IT facilities and co-ordinate repairs Co-ordinate operation of Disaster Recovery Site	IT personnel
Other Support	Manager, Regulatory Affairs – Corporate Manager, Manager Regulatory Accounting Manager, Financial Reporting	Aid as required.	

Outage Communication Procedures		
	Document No.:	BCP-03A-NR
	Page:	1 of 6
	Region:	Niagara
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Table of Contents

1.0 Level 1 Outage (during business hours)

1. Power Assist or Customer Service Representative (CSR) takes the initial call and enters information into "***Calls Manager"***

2. The System Control Operator relays information to the Line Service Crew, which responds to the call. The Service Crew then liaises with the System Control Operator on the progress of the restoration.

3. The CSR who received the initial call will email the Customer Service department with information about the outage to help facilitate effective response to customer enquiries. The CSR who took the initial call will log a work order in SAP and in the OMS as instructed. All subsequent calls will be logged through customer notifications.

4. The System Control Operator will liaise with the Customer Service Supervisor on the progress of the restoration.

5. CSRs will continue to take any further trouble calls from customers and contact the Control Room with the additional information. If there are several calls coming in from the same street or area, it would be an indication of a localized problem affecting multiple customers (e.g. a spur line or transformer fuse blown). In such a case, the System Control Operator would advise the Customer Service Supervisor not to provide any more outage information related to the same area.

6. In some cases, a more widespread outage can develop, or it may become apparent that the outage is more widespread than initially thought. In such a case, when the volume of incoming calls increases rapidly, the System Control Operator will advise the Customer Service Supervisor not to provide any more information to the Control Room. From that point, any further calls will be logged in the OMS. The System Control Supervisor or designate will become the liaison with the Customer Service Supervisor in accordance with the procedures below for Major Outages.

2.0 Major Outage (during business hours) – Feeder Outage (additional crews required)

If there is advance whether information that would indicate the potential significance of any major storm, the primary response team will gather and ensure strategic contingencies, resources, and any other requirements are in place prior to the event.

1. CSR takes the initial call and then contacts the System Control Operator who dispatches the Line Service Crew.

2. In some cases, the System Control Operator will be alerted to a feeder outage via SCADA indications. In such a case, the Operator will contact the Line Lead Hand and the Customer Service Supervisor.

3. The CSR who received the initial call or Customer Service Supervisor will email the Customer Service department of the outage to facilitate effective response to customer enquiries. All CSRs will log into the ACD (Automatic Call Distribution). The CSR who took the initial call will log a work order in SAP.

4. No further contact will be made with the Control Room. The System Control Supervisor or designate will liaise with the Customer Service Supervisor on the progress of the restoration.

5. At this time, the phones will be switched into Emergency Mode (refer to Tab 6).

6. Any further calls will be logged in the OMS. If the call is of an urgent nature it will be logged as a 'type 1' notification so they can be isolated when analyzing the report. Calls unrelated to the initial outage or that provide additional information, will have a work order created and will be printed to the System Control printer, which will be monitored by the System Control Operator. The OMS and outage map will be utilized.

7. Upon receiving information from the Control Room that the outage duration is expected to be greater than two hours, the affected Key Customers (refer to Tab 7) will be contacted to make them aware of the situation. The Customer Service Supervisor/Manager will assign CSR to assist in making these calls if necessary.

    a. <u>Please note:</u> Fort Erie's Douglas Memorial Hospital (Feeder 1263 & 1264) has requested that they are called if the outage is expected to last for longer than one hour. Refer to Emergency Contact List (Tab 1) for updated contact information.

b. For the Town of Fort Erie, please contact the Operations Manager, Fire Chief and CAO at the onset of any outages. Refer to Emergency Contact List (Tab 1) for updated contact information.

c. In Port Colborne, please contact the CAO at the onset of any outages. Refer to Emergency Contact List (Tab 1) for updated contact information.

3.0 Minor Outage (after office hours, with a System Control Operator on duty) – typically handled by a single crew (this scenario rarely occurs as there is only one control room shift now)

1. The after-hours call centre will take the customer call and contact the Control Room.

2. The lineperson will liaise with the Control Room regarding the status of the outage. Customer Communications will continue to be handled by the afterhours call centre. If the outage is more widespread and assistance is required to handle customer communications, the Control Room will call in a CSR in accordance with the CSR callout schedule.

3. If the outage affects Douglas Memorial Hospital or affects a large area in Fort Erie or Port Colborne, then the Control Room will notify the Customer Service Manager/Supervisor. The Customer Service Manager/Supervisor will contact these external entities following the protocol below:

   a. Fort Erie's Douglas Memorial Hospital (Feeder 1263 & 1264) has requested that they are called if the outage is expected to last for longer than one hour. Refer to Emergency Contact List (Tab 9) for updated contact information.

   b. In Fort Erie, please contact the Operations Manager, Fire Chief and CAO at the onset of any outages. Refer to Emergency Contact List (Tab 1) for updated contact information.

   c. In Port Colborne, please contact the CAO at the onset of any outages. Refer to Emergency Contact List (Tab 1) for updated contact information.

4.0 Minor Outage (after business hours, with no System Control Operator on duty) – typically handled by a single crew

4. The after-hours call centre will take the customer call and contact the lineperson on call in accordance with the schedule provided.

5. The lineperson will liaise with the afterhours call centre regarding the status of the outage. If the outage is manageable by one crew and will be less than two hours the after hours call centre will handle the customer communications. If the outage is more widespread and assistance is required to handle customer communications, the Customer Service Supervisor/Manager will be called to request staff report to the Fort Erie Service Centre if the After Hours Call Centre is unable to handle the call volumes

6. If the outage affects Douglas Memorial Hospital (the call centre staff will inquire to this) or affects a large area in Fort Erie/Port Colborne the following protocol will be followed:

    a. Fort Erie's Douglas Memorial Hospital (Feeder 1263 & 1264) has requested that they are called if the outage is expected to last for longer than one hour. Refer to Emergency Contact List (Tab 1) for updated contact information.

    b. In Fort Erie, please contact the Operations Manager, Fire Chief and CAO at the onset of any outages. Refer to Emergency Contact List (Tab 1) for updated contact information.

    c. In Port Colborne, please contact the CAO at the onset of any outages. Refer to Emergency Contact List (Tab 1) for updated contact information.

5.0 Major Outage (after business hours, with System Control Operator on duty) – Feeder Outage (additional crews required)

1. The after-hours call centre will take the customer call or the System Control Operator will notice on SCADA that a feeder has locked out, and contact the on-call lineperson in accordance with the schedule provided.

2. The Control Room will notify the On-call Operations Supervisor of the outage.

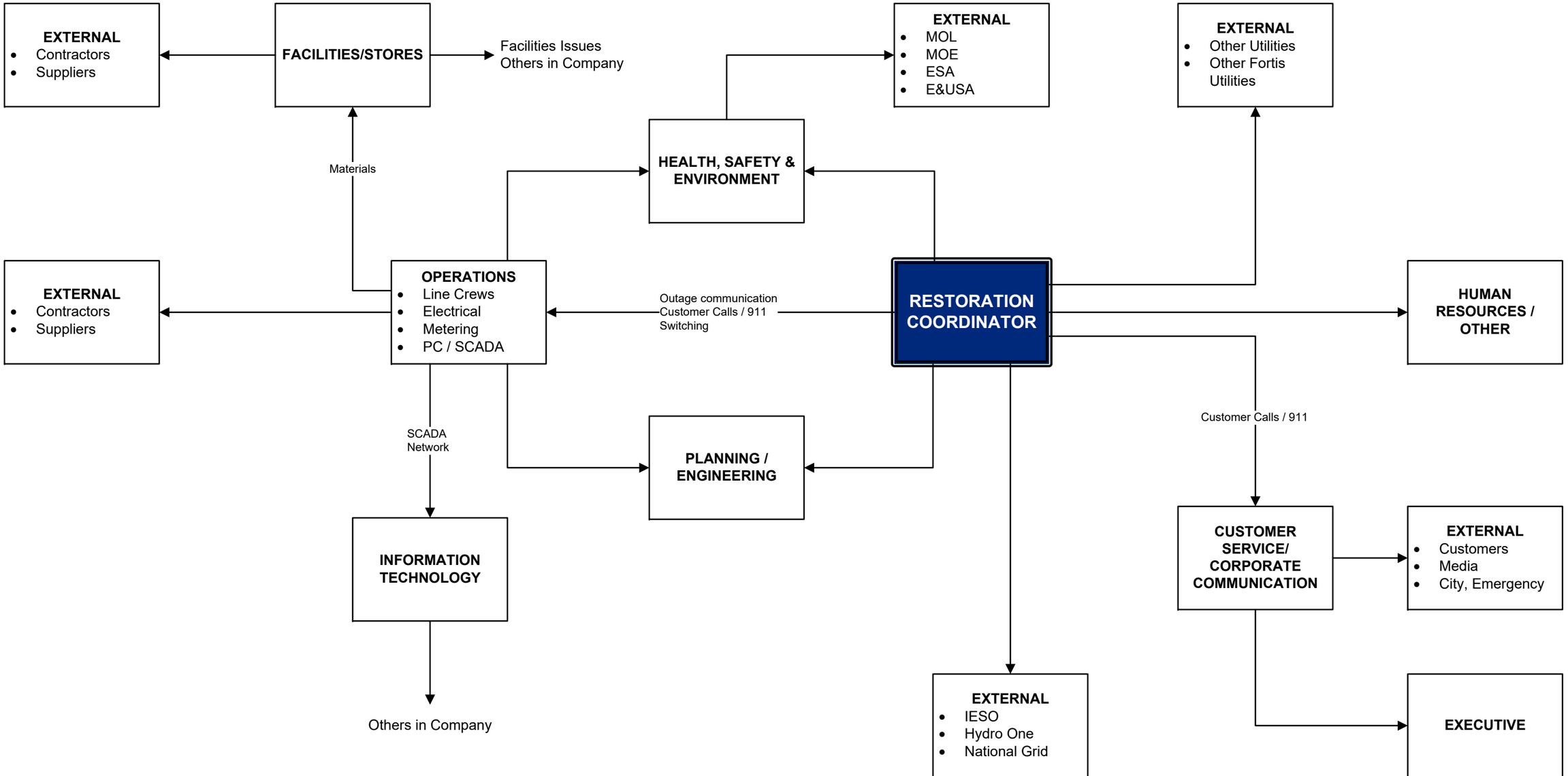
3. The On-call Operations Supervisor will liaise with the Control Room regarding the status of the outage. If the outage is more widespread and assistance is required to handle customer communications, the Customer Service Supervisor/Manager will be called to request staff report to the Fort Erie Service Centre if the After Hours Call Centre is unable to handle the call volumes.

6.0 Major Outage (after business hours, with no System Control Operator on duty) – Feeder Outage (additional crews required)

1. The after-hours call centre will take the customer call and contact the on-call lineperson in accordance with the schedule provided.

2. The on-call lineperson will notify the On-call Operations Supervisor of the outage. If the outage is more widespread and assistance is required to handle customer communications, the Customer Service Supervisor/Manager will be called to request staff report to the Fort Erie Service Centre if the After Hours Call Centre is unable to handle the call volumes.

CANADAIN NIAGARA POWER - FortisOntario
STORM CONTINGENCY - MAJOR OUTAGE RESTORATION COORDINATION



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