



## **EXHIBIT 8**

# **RATE DESIGN RTSR LOSS FACTOR IMPACTS**

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## **LIST OF ATTACHMENTS**

<b>ATTACHMENT 8-1</b>	Required OEB Appendices
<b>ATTACHMENT 8-2</b>	Retail Transmission Service Rate Workform
<b>ATTACHMENT 8-3</b>	Tariff Schedule and Bill Impact Model
<b>ATTACHMENT 8-4</b>	2020 Current Tariff of Rates
<b>ATTACHMENT 8-5</b>	2021 Proposed Tariff of Rates

## **EXHIBIT 8: RATE DESIGN RTSR LOSS FACTOR IMPACTS**

### **2.8 EXHIBIT 8: RATE DESIGN**

#### **Overview**

This Exhibit documents the calculation of Waterloo North Hydro Inc.'s (WNH) proposed distribution rates by rate class for the 2021 test year, based on the rate design as proposed in this Exhibit.

WNH has determined its total 2021 Service Revenue Requirement to be \$41,548,755. The total Revenue Offsets in the amount of \$2,250,668 reduces WNH's total Service Revenue Requirement to a Base Revenue Requirement of \$39,298,087 which is used to determine the proposed distribution rates. The Base Revenue Requirement is derived from WNH's 2021 capital and operating forecasts, weather normalized usage, forecasted customer counts, and regulated return on rate base. The Revenue Requirement is summarized in Table 8-1 below:

**Table 8-1 - Calculation of Base Revenue Requirement**

Description	Amount
OM&A Expenses	16,248,677
Amortization Expenses	11,100,527
Regulated Return On Capital	13,310,227
PILs	889,324
<b>Service Revenue Requirement</b>	<b>41,548,755</b>
Less: Revenue Offsets	(2,250,668)
<b>Base Revenue Requirement</b>	<b>39,298,087</b>

The Base Revenue Requirement is allocated to the various rate classes as outlined in Exhibit 7 – Cost Allocation, Table 7-7. The following Table 8-2 outlines the allocation of the base revenue requirement to the rate classes.

**Table 8-2 - Proposed Apportionment of Base Revenue to Rate Classes**

<b>Rate Class</b>	<b>2021 Proposed Base Revenue Requirement</b>
Residential	\$ 21,315,456
GS < 50 kW	\$ 6,055,336
GS > 50 kW	\$ 10,774,523
Large User	\$ 863,967
Unmetered Scattered Load	\$ 120,471
Street Lighting	\$ 166,118
Embedded Distributor	\$ 2,216
<b>Total</b>	<b>\$ 39,298,087</b>

## 2.8.1 FIXED / VARIABLE PROPORTION

### Current Fixed / Variable Proportion

Based on applying the existing approved monthly service charges to the forecasted number of customers for 2021 along with the existing approved distribution volumetric charge, excluding rate riders, the adjustment for Low Voltage ("LV") and the transformer allowance, to the 2021 forecasted volumes, the following Table 8-3 outlines WNH's current split between fixed and variable distribution revenue.

**Table 8-3 - Current Fixed / Variable Split**

Rate Class	2021 Fixed Base Revenue with 2020 Approved Rates	2021 Variable Base Revenue with 2020 Approved Rates	2021 Total Base Revenue with 2020 Approved Rates	Fixed Revenue Portion	Variable Revenue Portion
Residential	\$ 19,891,127	\$ -	\$ 19,891,127	100.00%	0.00%
GS < 50 kW	\$ 2,422,670	\$ 3,228,182	\$ 5,650,852	42.87%	57.13%
GS > 50 kW	\$ 1,169,916	\$ 8,884,813	\$ 10,054,729	11.64%	88.36%
Large User	\$ 88,320	\$ 717,946	\$ 806,266	10.95%	89.05%
Unmetered Scattered Load	\$ 72,576	\$ 40,965	\$ 113,541	63.92%	36.08%
Street Lighting	\$ 63,021	\$ 92,013	\$ 155,034	40.65%	59.35%
Embedded Distributor	\$ -	\$ 2,174	\$ 2,174	0.00%	100.00%
<b>Total</b>	<b>\$ 23,707,630</b>	<b>\$ 12,966,093</b>	<b>\$ 36,673,723</b>	<b>64.6%</b>	<b>35.4%</b>

## Proposed Monthly Service Charge

WNH proposes to maintain the fixed/variable proportions assumed in the current rates to design the proposed monthly service charges. This proposal is consistent with the Ontario Energy Board's (OEB) Decision in the following cases:

- Centre Wellington Hydro Ltd. - 2013 Cost of Service Rate (EB-2012-0113);
- Atikokan Hydro Inc. - 2012 Cost of Service Rate (EB-2011-0293);
- Espanola Regional Hydro Distribution Corporation - 2012 Cost of Service Rate (EB- 2011-0319);
- Horizon Utilities Corporation - 2011 Cost of Service Application (EB-2010-0131);
- Hydro One Brampton Networks Inc. - 2011 Cost of Service Application (EB-2010-0132);
- Kenora Hydro Electric Corporation Ltd.- 2011 Cost of Service Application (EB-15 2010-0135);

Table 8-4 outlines the proposed monthly service charge by rate class for 2021.

1

**Table 8-4 - Proposed Monthly Service Charge**

Rate Class	Total Base Revenue Requirement	Fixed Revenue Portion	Fixed Revenue	Annualized Customers / Connections	Proposed Monthly Service Charge
Residential	\$ 21,315,456	100.00%	\$ 21,315,456	620,633	\$ 34.34
GS < 50 kW	\$ 6,055,336	42.87%	\$ 2,596,083	71,871	\$ 36.12
GS > 50 kW	\$ 10,774,523	11.64%	\$ 1,253,668	9,288	\$ 134.98
Large User	\$ 863,967	10.95%	\$ 94,640	12	\$ 7,886.68
Unmetered Scattered Load	\$ 120,471	63.92%	\$ 77,005	6,486	\$ 11.88
Street Lighting	\$ 166,118	40.65%	\$ 67,527	180,060	\$ 0.38
Embedded Distributor	\$ 2,216	0.00%	\$ -	12	\$ -
<b>Total</b>	<b>\$ 39,298,087</b>		<b>\$ 25,404,379</b>		

2 For comparison purposes, the following Table 8-5 provides the current and proposed  
3 monthly service charge by rate class as well as monthly service charge information from  
4 the Cost Allocation model.

5

6

**Table 8-5 - Monthly Service Charge Comparison**

Rate Class	Current 2020 Monthly Service Charge	Proposed 2021 Monthly Service Charge	Minimum System with PLCC Adjustment (Ceiling Fixed Charge from Cost Allocation Model)	Customer Unit Cost per Month - Avoided Cost (Floor Fixed Charge from Cost Allocation Model)
Residential	\$ 32.05	\$ 34.34	\$ 23.32	\$ 6.19
GS < 50 kW	\$ 33.71	\$ 36.12	\$ 26.74	\$ 11.13
GS > 50 kW	\$ 125.96	\$ 134.98	\$ 78.02	\$ 43.27
Large User	\$ 7,359.96	\$ 7,886.68	\$ 429.78	\$ 210.79
Unmetered Scattered Load	\$ 11.20	\$ 11.88	\$ 11.72	\$ 0.53
Street Lighting	\$ 0.35	\$ 0.38	\$ 6.89	\$ 0.54
Embedded Distributor	\$ -	\$ -	\$ 114.38	\$ 29.14

## Proposed Volumetric Charges

The variable distribution charge is calculated by dividing the variable distribution portion of the Base Revenue Requirement by the appropriate 2021 Test Year usage, kWh or kW, as the class charge determinant.

Table 8-6 provides WNH's calculations of its proposed variable distribution charges for the 2021 Test Year which maintains the same fixed/variable split used in designing the current approved rates.

**Table 8-6 Proposed Distribution Volumetric Charge**

Rate Class	Total Base Revenue Requirement	Variable Revenue Proportion	Variable Revenue	Annualized kWh or kW as required	Unit of Measure	Proposed Distribution Volumetric Charge before Transformer Allowance
Residential	21,315,456	0.00%	-	395,056,934	\$/kWh	-
GS < 50 kW	6,055,336	57.13%	3,459,253	195,573,807	\$/kWh	0.0180
GS > 50 kW	10,774,523	88.36%	9,520,855	1,764,636	\$/kW	5.7042
Large User	863,967	89.05%	769,327	169,287	\$/kW	4.5445
Unmetered Scattered Load	120,471	36.08%	43,466	2,947,114	\$/kWh	0.0147
Street Lighting	166,118	59.35%	98,591	9,302	\$/kW	10.5989
Embedded Distributor	2,216	100.00%	2,216	103,033	\$/kW	0.0215
<b>Total</b>	<b>39,298,087</b>		<b>13,893,708</b>			

## Proposed Adjustment for Transformer Allowance

Currently, WNH provides a transformer allowance to those customers that own their transformation facilities. WNH proposes to maintain the current approved transformer ownership allowance of \$0.60 per kW ("Transformer Allowance"). The Transformer Allowance is intended to reflect the costs to a distributor of providing step down transformation facilities to the customer's utilization voltage level. Since the distributor provides electricity at utilization voltage, the cost of this transformation is captured in and



1 recovered through the distribution rates. Therefore, when a customer provides its own  
2 step down transformation from primary to secondary, it should receive a credit of these  
3 costs already included in the distribution rates.

4  
5 The amount of Transformer Allowance expected to be provided to the customers in the  
6 General Service < 50 kW and the General Service > 50 kW classes that own their  
7 transformers has been included in the volumetric charge for this class. This means the  
8 General Service < 50 kW volumetric charge of \$0.0177 per kWh will increase by \$0.0003  
9 per kWh to a total of \$0.0180 per kWh to recover the amount of the Transformer  
10 Allowance over all kW in the General Service < 50 kW rate class. GS < 50kW customers  
11 who are charged Transformer Allowance have demand meters installed to measure kW  
12 for billing purposes. In addition, the General Service > 50 kW class will have the  
13 volumetric of \$5.3954 per kW increased by \$0.3088 per kW to a total of \$5.7042 per kW  
14 to recover the amount of the Transformer Allowance.

### 15 16 **Proposed Distribution Rates**

17  
18 The following Table 8-7 sets out WNH's proposed 2021 electricity distribution rates based  
19 on the foregoing calculations, including adjustments for the recovery of transformer  
20 allowance. These rates are consistent with those calculated in Tab 13 of the Revenue  
21 Requirement Work Form that has been filed as Attachment 6-1 in live Excel format  
22 (Waterloo\_Appl\_Rev\_Reqt\_Workform\_2021\_COS\_20200630).

**Table 8-7 - Proposed Distribution Rates**

Rate Class	Proposed Monthly Service Charge	Unit of Measure	Proposed Distribution Volumetric Charge before Transformer Allowance
Residential	\$ 34.34	\$/kWh	\$ -
GS < 50 kW	\$ 36.12	\$/kWh	\$ 0.0180
GS > 50 kW	\$ 134.98	\$/kW	\$ 5.7042
Large User	\$ 7,886.68	\$/kW	\$ 4.5445
Unmetered Scattered Load	\$ 11.88	\$/kWh	\$ 0.0147
Street Lighting	\$ 0.38	\$/kW	\$ 10.5989
Embedded Distributor	\$ -	\$/kW	\$ 0.0215
Transformer Allowance		\$/kW	\$ (0.6000)

## 2.82 RATE DESIGN POLICY

On April 2, 2015, the OEB released the *Report of the Board: A New Rate Design for Electricity Residential Customers (EB-2012-0410)* and determined that residential distribution rates would move to a fully-fixed monthly charge over a four-year period. This transition process requires that the fixed charge is increased gradually while the volumetric charge is reduced slowly, so that the customer rate impact and the distributor's residential class revenue remains neutral. In the 2016 Rate Application (EB-2015-0108), WNH received approval to transition the residential rate to a fully-fixed rate over a four-year period, commencing with the January 1, 2016 rates.

WNH Completed this transition of residential customers to fully-fixed rates effective January 1, 2019.

## 2.8.3 RETAIL TRANSMISSION SERVICE RATES (RTSRs)

WNH currently pays for transmission service to the IESO, Hydro One, Kitchener-Wilmot Hydro Inc. (KW) and Energy +. (E+) which is then passed on to WNH's customers per the Board-approved rate.

1 The Board has provided a Microsoft Excel workbook “2021 RTSR Workform for Electricity  
2 Distributors” and instructions for distributors to complete as part of their 2021 Electricity  
3 Rate Applications. WNH has completed this Workform to determine the RTSR’s and has  
4 filed the Workform as part of this Application. The RTSR Workform is also provided in  
5 Attachment 8-2 in PDF format. Please see Table 8-8 below for the RTSR rates generated  
6 from the 2021 Workform. WNH confirms that RTSR information is consistent with the  
7 working capital allowance calculation.

8  
9 WNH notes that in accordance with its billing arrangements with its Embedded Distributor,  
10 Retail Transmission Rates are not applicable.

11  
12 WNH has three > 50kW customers that will be charged on a gross load billing basis from  
13 Hydro One and one from Energy + for wholesale transmission services in 2020 due to  
14 load displacement generation greater or equal to 1MW with non-renewable generation  
15 and/or equal to or greater than 2 MW for renewable generation (wind, solar, biomass, bio-  
16 oil, bio-gas, landfill gas, or water). As a result, WNH proposes to charge the RTSR to  
17 these customers on a gross load basis. WNH has not amended the RTSR for gross load  
18 billing as the RTSR rates are based on 2019 transmission charges. The three customers  
19 that WNH is requesting gross load billing for are planning to install their load displacement  
20 generation later in 2020. WNH does not have accurate load or peak information for these  
21 customers at the time of filing.

22  
23 WNH is also requesting the gross load billing methodology for RTSR for any customer in  
24 the future that implements load displacement generation to align to the methodology used  
25 by the IESO.

**Table 8-8 - Proposed Retail Transmission Rates**

Rate Class	Retail Transmission Network Rates		Retail Transmission Connection Rates	
	Per kWh	Per kW	Per kWh	Per kW
Residential	\$ 0.0071		\$ 0.0025	
GS < 50 kW	\$ 0.0066		\$ 0.0023	
General Service 50 To 4,999 kW (less than 1,000 kW)		\$ 2.7039		\$ 0.8817
General Service 50 To 4,999 kW (Interval Metered less than 1,000 kW)		\$ 2.8720		\$ 1.1011
General Service 50 To 4,999 kW (Interval Metered 1,000 to 4,999 kW)		\$ 2.8681		\$ 1.1001
Large User		\$ 3.1797		\$ 1.1050
Unmetered Scattered Load	\$ 0.0066		\$ 0.0023	
Street Lighting		\$ 2.0393		\$ 0.6814
Embedded Distributor		\$ -		\$ -

## 2.8.4 RETAIL SERVICE CHARGES

On February 14, 2019, the OEB issued its Decision and Order on Energy Retailer Service Charges (EB-2015-0304). The report stated that the rates are subject to an adjustment mechanism using the annual adjustment factor applied in the OEB's incentive regulation mechanism. For the purposes of this Application, WNH is using the proposed inflation factor of 2% on 2020 charges as outlined in Attachment 8-3 as per Waterloo\_Tariff Schedule\_and\_Bill\_Impact\_Model\_2021\_COS\_20200630 live Excel in Tab 3 Regulatory Charges. Table 8-9 below provides the Proposed Charges for Retail Service charges in its 2021 Test Year budget.

1

**Table 8-9 – Retail Service Charges**

Retail Service Charge	Current Charge	Inflation Factor	Proposed Charge
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$ 102.00	2%	\$ 104.04
Monthly fixed charge, per retailer	\$ 40.80	2%	\$ 41.62
Monthly variable charge, per customer, per retailer	\$ 1.02	2%	\$ 1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$ 0.61	2%	\$ 0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	-\$ 0.61	2%	-\$ 0.62
Service Transaction Requests (STR)			
Request fee, per request, applied to the requesting party	\$ 0.51	2%	\$ 0.52
Processing fee, per request, applied to the requesting party	\$ 1.02	2%	\$ 1.04
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		No charge
More than twice a year, per request (plus incremental delivery costs)	\$ 4.08	2%	\$ 4.16
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)	\$ 2.04	2%	\$ 2.08

2 WNH is not proposing any changes to the retail service charges in this Application except  
3 for the above inflation factors. The increase in Retail Service Charges due to inflation  
4 have been included in projections for Other Revenue.

5

6 In the OEB's Decision and Order in the matter of energy retailer service charges effective  
7 May 1, 2019 (EB-2015-0304) it was noted that Electricity distributors that currently record  
8 the revenues and costs associated with the RCVAs are expected to continue to do so  
9 until their next rebasing application. At rebasing, the balances will be disposed of and the  
10 RCVAs will be eliminated."

11

12 In this Application, WNH will clear accounts 1518 RCVA – Retail and 1548 RCVA – STR  
13 and eliminate these variance accounts. This has been discussed in Exhibit 9. Forecasted  
14 Retail Service Costs and Revenues have been included in revenue requirement.

## 2.8.5 REGULATORY CHARGES

On December 17, 2019 the Board issued a Decision and Order (EB-2019-0278) establishing that the Wholesale Market Service (WMS) rate used by rate-regulated distributors to bill their customers shall be \$0.0030 per kilowatt-hour, effective January 1, 2020. For Class B customers a Capacity Base Recovery (CBR) component of \$0.0004 per kilowatt-hour shall be added to the WMS rate for a total of \$0.0034 per kilowatt-hour. These rates were unchanged from the prior year. For Class A customers, distributors shall bill the actual CBR costs to Class A customers in proportion to their contribution to peak.

On December 17, 2019, the Board issued a Decision and Order (EB-2019-0278) establishing that the RRRP charge used by rate-regulated distributors to bill their customers shall be \$0.0005 per kilowatt-hour for electricity consumers on or after January 1, 2020. This unit rate shall apply to a customer's metered energy consumption adjusted by the distributor's OEB-approved Total Loss Factor. This rate was also unchanged from the prior year.

The Standard Supply Service Charge is set by the OEB as an administrative fee payable by customers who purchase electricity directly from their distributors. The rate is set by the OEB on a generic basis. The current rate is \$0.25 per customer per month.

## 2.8.6 SPECIFIC SERVICE CHARGES

WNH is proposing the continuation of its current Customer Administration Charges at current levels except for four additions under 'Other':

- Owner requested disconnection / reconnection at meter – during regular hours
- Owner requested disconnection / reconnection at meter – after regular hours

- 1 • Owner requested disconnection / reconnection at pole/transformer – during regular
- 2 hours
- 3 • Owner requested disconnection / reconnection at pole/transformer – after regular
- 4 hours

5

6 The proposed change is to allow for a generic charge to decrease billing and

7 administration for each work request. These charges are recorded as offsets to

8 distribution expenses and have been forecasted as a reduction to OM&A in the 2021 Test

9 Year, therefore there is no increase to Other Revenue due to these changes. WNH has

10 several years of history to determine a standard cost based on time for labour and

11 trucking. The proposed change to this charge is based on the standard charges

12 established during the 2006 EDR in Schedule 11-2. All outlined hours remain the same

13 except WNH has increased the Direct Labour (inside staff) Straight time from .5 hours to

14 1 hour based on WNH's experience. WNH's practice is to send an Engineering

15 Technician out to review the job site as part of the layout process. Due to the size of

16 WNH's service territory this cannot be completed in .5 hours. Additionally, WNH has

17 increased labour and truck rates to 2019 applicable rates. WNH has included the updated

18 schedule 11-2 for each of the requested charges.

**Table 8-10 – Specific Service Charge - Owner Requested Disconnection /  
Reconnection at Meter – During Regular Hours**

Disconnect / Reconnect at Meter - During Regular Hours				
	Rate / Amount	Hours / Units	O/T Factor	Calculated Cost
<b>Labour Cost:</b>				
Direct Labour (inside staff) Straight Time	\$ 38.53	1.0		\$ 38.53
Direct Labour (inside staff) Overtime	\$ 38.53		2.0	
Direct Labour (field staff) Straight Time	\$ 42.75	1.0		\$ 42.75
Direct Labour (field staff) Overtime	\$ 42.75		2.0	
Other Labour (Specify)				
Payroll Burden %	35%			\$ 28.45
<b>Total Labour Cost</b>				<b>\$ 109.73</b>
<b>Other Costs:</b>				
Small Vehicle Time	\$ 20.00	1.0		\$ 20.00
Large Vehicle Time	\$ 55.00			
Other:				
Material				
Contract				
Other	\$ 3.00			\$ 3.00
<b>Total Other Costs</b>				<b>\$ 23.00</b>
<b>Total Cost</b>				<b>\$ 132.73</b>
<b>Specific Service Charge Value Requested - Round to nearest \$5</b>				<b>\$ 130.00</b>



**Table 8-11 – Specific Service Charge - Owner Requested Disconnection /  
Reconnection at Meter – After Regular Hours**

Disconnect / Reconnect at Meter - After Regular Hours				
	Rate / Amount	Hours / Units	O/T Factor	Calculated Cost
<b>Labour Cost:</b>				
Direct Labour (inside staff) Straight Time	\$ 38.53	1.0		\$ 38.53
Direct Labour (inside staff) Overtime	\$ 38.53		2.0	
Direct Labour (field staff) Straight Time	\$ 42.75	0.5		\$ 21.38
Direct Labour (field staff) Overtime	\$ 42.75	2.0	2.0	\$ 171.00
Other Labour (Specify)				
Payroll Burden %	35%			\$ 80.82
<b>Total Labour Cost</b>				<b>\$ 311.72</b>
<b>Other Costs:</b>				
Small Vehicle Time	\$ 20.00	1.0		\$ 20.00
Large Vehicle Time	\$ 55.00			
Other:				
Material				
Contract				
Other	\$ 2.00			\$ 2.00
<b>Total Other Costs</b>				<b>\$ 22.00</b>
<b>Total Cost</b>				<b>\$ 333.72</b>
<b>Specific Service Charge Value Requested - Round to nearest \$5</b>				<b>\$ 335.00</b>

**Table 8-12 – Specific Service Charge - Owner Requested Disconnection /  
Reconnection at Pole/Transformer – During Regular Hours**

Disconnect / Reconnect at Pole - During Regular Hours				
	Rate / Amount	Hours / Units	O/T Factor	Calculated Cost
<b>Labour Cost:</b>				
Direct Labour (inside staff) Straight Time	\$ 38.53	1.0		\$ 38.53
Direct Labour (inside staff) Overtime	\$ 38.53		2.0	
Direct Labour (field staff) Straight Time	\$ 42.75	3.0		\$ 128.25
Direct Labour (field staff) Overtime	\$ 42.75		2.0	
Other Labour (Specify)				
Payroll Burden %	35%			\$ 58.37
<b>Total Labour Cost</b>				<b>\$ 225.15</b>
<b>Other Costs:</b>				
Small Vehicle Time	\$ 20.00			
Large Vehicle Time	\$ 55.00	1.5		\$ 82.50
Other:				
Material				
Contract				
Other	\$ 2.00			\$ 2.00
<b>Total Other Costs</b>				<b>\$ 84.50</b>
<b>Total Cost</b>				<b>\$ 309.65</b>
<b>Specific Service Charge Value Requested - Round to nearest \$5</b>				<b>\$ 310.00</b>

**Table 8-13 – Specific Service Charge - Owner Requested Disconnection /  
Reconnection at Pole/Transformer – After Regular Hours**

Disconnect / Reconnect at Pole - After Regular Hours				
	Rate / Amount	Hours / Units	O/T Factor	Calculated Cost
<b>Labour Cost:</b>				
Direct Labour (inside staff) Straight Time	\$ 38.53	1.0		\$ 38.53
Direct Labour (inside staff) Overtime	\$ 38.53		2.0	
Direct Labour (field staff) Straight Time	\$ 42.75	1.5		\$ 64.13
Direct Labour (field staff) Overtime	\$ 42.75	4.0	2.0	\$ 342.00
Other Labour (Specify)				
Payroll Burden %	35%			\$ 155.63
<b>Total Labour Cost</b>				<b>\$ 600.28</b>
<b>Other Costs:</b>				
Small Vehicle Time	\$ 20.00			
Large Vehicle Time	\$ 55.00	1.5		\$ 82.50
Other:				
Material				
Contract				
Other	\$ 2.00			\$ 2.00
<b>Total Other Costs</b>				<b>\$ 84.50</b>
<b>Total Cost</b>				<b>\$ 684.78</b>
<b>Specific Service Charge Value Requested - Round to nearest \$5</b>				<b>\$ 685.00</b>

As a part of the review of Customer Service Rules (EB-2017-0183), WNH has taken into consideration the proposed amendments to the Distribution System Code, Standard Supply Service Code, Unit Submetering Code, and Gas Distribution Access Rule. In light of these proposed amendments, WNH has removed the word “Disconnection” from its Specific Service Charges under the ‘Non-Payment’ category.

As part of EB-2015-0304, wireline pole attachments increased to \$44.50 effective January 1, 2020. WNH does not have an LDC specific charge and will charge the OEB approved rate to its pole line attachers. WNH has received \$275,076 in excess revenue for the years 2018 and 2019. This amount has been held in a 1508 Sub Account and is being requested to be cleared as part of this Application in Exhibit 9.

The list of the current and proposed service charges and the associated rates are detailed in the Table 8-14 below:

**Table 8-14 – Current and Proposed Specific Service Charges**

<b>Specific Service Charges</b>	<b>Current</b>	<b>Proposed</b>
<b>Customer Administration</b>		
Easement Letter	\$ 15.00	\$ 15.00
Notification Charge	\$ 15.00	\$ -
Credit reference/credit check (plus credit agency costs)	\$ 15.00	\$ -
Returned cheque (plus bank charges)	\$ 15.00	\$ 15.00
Duplicate invoices for previous billing	\$ 15.00	\$ 15.00
Income tax letter	\$ 15.00	\$ 15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$ 30.00	\$ 30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$ 30.00	\$ 30.00
<b>Non-Payment of Account</b>		
Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	1.50%	1.50%
Reconnection at meter - during regular hours	\$ 65.00	\$ 130.00
Reconnection at meter - after regular hours	\$ 185.00	\$ 335.00
Reconnection at pole - during regular hours	\$ -	\$ 310.00
Reconnection at pole - after regular hours	\$ -	\$ 685.00
<b>Other</b>		
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$ 44.50	\$ 44.50

WNH also proposes to eliminate the currently approved rate for “Credit Check” of \$15 and “Notification Charge” of \$15 due to non-use of accounts.

There are no rates or charges listed in the Conditions of Service that are not on the distributor's Tariff of Rates and Charges.

WNH confirms that there are no discrete customer groups that will be materially impacted by changes to Specific Service Charges.

## 2.8.7 LOW VOLTAGE SERVICE RATES

Forecasted Low Voltage Charges of \$447,000 from Hydro One, KWH and E+ for 2021 have been allocated to each rate class based on the proportion of proposed retail transmission connection revenue collected from each class.

Low Voltage (LV) expense of \$447,000 has been estimated by utilizing current approved LV rates. WNH applied these rates to the 2019 billed kW by each of the three LDCs resulting in an estimate LV Charge of \$447,000. The calculation of the estimated LV expense is detailed in Table 8-15.

**Table 8-15 – Calculation of LV Expense**

Distributor	2019 Billed kW	Current LV Charge/kW	Low Voltage Expense \$	Decision Reference
Energy+	119,918	1.6086	192,901	EB-2019-0031
Kitchener Wilmot Hydro Inc.	39,089	2.5496	99,661	EB-2019-0049
Hydro One Networks Inc. Pentland Junction	31,401	2.3813	74,774	EB-2019-0043
Hydro One Networks Inc. Elmira TS	33,468	2.3813	79,698	EB-2019-0043
<b>Total</b>	<b>223,876</b>		<b>447,034</b>	
		<b>Est. 2021</b>	<b>447,000</b>	

The calculation to recover the 2021 Low Voltage amount is outlined in the following Table 8-15A:

**Table 8-15A - Low Voltage Charges – Determination of Rates**

Rate Class	Retail Transmission Connection Rates		Billing Determinants		Allocation of Low Voltage Charges			Billing Determinants	
	Per kWh	Per kW	Annualized kWh or kW	Unit of Measure	Retail Tx Connection Revenue - Basis for Allocation (\$)	Allocation Percentages	Allocated \$	Low Voltage Rates / kWh	Low Voltage Rates / kW
Residential	\$ 0.0026		395,056,934	kWh	1,027,148	31.1%	139,144	0.0004	
GS < 50 kW	\$ 0.0024		195,573,807	kWh	469,377	14.2%	63,585	0.0003	
GS > 50 kW		\$ 0.9053	1,764,636	kW	1,597,525	48.4%	216,412		0.1226
Large User		\$ 1.1346	169,287	kW	192,073	5.8%	26,019		0.1537
Unmetered Scattered Load	\$ 0.0024		2,947,114	kWh	7,073	0.2%	958	0.0003	
Street Lighting		\$ 0.6996	9,302	kW	6,508	0.2%	882		0.0948
Embedded Distributor		\$ -	103,033	kW	-	0.0%	-		-
<b>Total</b>					<b>3,299,704</b>	<b>100.0%</b>	<b>447,000</b>		

**Table 8-15B – Low Voltage Cost Analysis**

Utility	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Bridge	2021 Test
Energy+	194,719	213,264	185,805	65,139	192,900	192,900
Kitchener Wilmot Hydro Inc.	113,492	104,072	78,245	72,096	99,700	99,700
Hydro One	134,944	133,711	119,036	147,066	154,400	154,400
<b>Total</b>	<b>443,155</b>	<b>451,047</b>	<b>383,086</b>	<b>284,301</b>	<b>447,000</b>	<b>447,000</b>

As is demonstrated in Table 8-15B, Low Voltage Cost Analysis varies by utility from year to year, significant variations are as follow:

- The variation in 2019 for Kitchener Wilmot Hydro Inc. is a result of an increase in the Monthly Distribution Wheeling Service Rate and two Rate Riders.
- In 2019 the decrease for Energy+ was a result of large decrease in the Rate Rider for Deferral and Variance Accounts which was a large negative rate rider of (\$2.2159) per kW. There were two additional Rate Riders for Disposition of Accounts 1575 and 1576 and Rate Rider for Application of Forgone Revenue Adjustment that were negative Rate Riders that impacted the large decrease in costs. The 2020 Bridge Year and 2021 Test Year reflects the expiration of these rate riders.
- The increase In Hydro One's costs in 2019 is a result of an increase in Monthly Service Rate per kW effective July 1, 2019 and from the introduction of a new Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019).

## 2.8.8 SMART METER ENTITY CHARGE

On March 23, 2018, the OEB issued its Decision and Order regarding the Independent Electricity System Operator / Smart Metering Entity – Smart Metering Charge 2018-2022 (EB-2017-0290). This Decision 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 (SME), effective January 1, 2018. The new SMC is \$0.57 per smart meter per month, a reduction from the previous SMC of \$0.79 per smart meter per month.

1  
2 WNH has followed the accounting guidance for the Smart Meter Entity charge as provided  
3 in an OEB letter dated March 23, 2018.

#### 4 5 **2.8.9 LOSS ADJUSTMENT FACTORS**

6  
7 WNH has calculated the total loss factor to be applied to customers' consumption based  
8 on the average wholesale and retail kWh for the years 2015 to 2019. The calculations are  
9 summarized in the following Table 8-16 which is also consistent with calculations provided  
10 in Attachment 8-1.

11  
12 WNH is partially embedded in Kitchener Wilmot Hydro Inc., Energy+ and Hydro One Inc.

13  
14 In October 2013 the Embedded Distributor rate class moved to the Primary > 5,000 kW  
15 Loss Factor. WNH has included this rate class as a Large Use Customer for the purpose  
16 of the Loss Factor calculation since that time.

17  
18 WNH has included the Direct Market Participant Purchases and Billings in the calculation  
19 of the Loss Factors.

1 **Table 8-16 - Loss Factor Calculation – Consistent with Appendix 2-R**

		Historical Years					5-Year Average
		2015	2016	2017	2018	2019	
	Losses Within Distributor's System						
A(1)	"Wholesale" kWh delivered to distributor (higher value)	1,486,984,762	1,495,245,071	1,454,001,207	1,517,720,865	1,482,652,460	1,487,320,873
A(2)	"Wholesale" kWh delivered to distributor (lower value)	1,481,567,368	1,489,683,679	1,449,106,654	1,512,240,290	1,477,078,874	1,481,935,373
B	Portion of "Wholesale" kWh delivered to distributor for its Large Use Customer(s)	128,357,914	130,542,405	131,550,499	136,341,353	137,272,800	132,812,994
C	Net "Wholesale" kWh delivered to distributor = A(2) - B	1,353,209,454	1,359,141,274	1,317,556,155	1,375,898,937	1,339,806,074	1,349,122,379
D	"Retail" kWh delivered by distributor	1,441,031,603	1,444,462,268	1,409,167,205	1,467,265,689	1,438,045,052	1,439,994,363
E	Portion of "Retail" kWh delivered by distributor to its Large Use Customer(s)	127,719,318	129,931,726	130,935,104	135,703,546	136,630,636	132,184,066
F	Net "Retail" kWh delivered by distributor = D - E	1,313,312,285	1,314,530,543	1,278,232,101	1,331,562,142	1,301,414,416	1,307,810,297
G	Loss Factor in Distributor's system = C / F	1.0304	1.0339	1.0308	1.0333	1.0295	1.0316
	Losses Upstream of Distributor's System						
H	Supply Facilities Loss Factor	1.0037	1.0037	1.0034	1.0036	1.0038	1.0036
	Total Losses						
I	Total Loss Factor = G x H	1.0341	1.0378	1.0342	1.0370	1.0334	1.0353

2 The Supply Facility Loss Factor (the "SFLF") shown in the above table represents the  
3 losses on the supply to WNH. The SFLF is calculated on the measured quantities  
4 between the transformer stations and the wholesale meter points. WNH proposes to use  
5 the five year calculated average SFLF of 1.0036.

6  
7 The following Table 8-17 provides the total loss factor for secondary and primary metered  
8 customers:

**Table 8-17 – Total Loss Factor**

<b>Total Loss Factors</b>	
<b>Supply Facility Loss Factor</b>	1.0036
<b>Distribution Loss Factor</b>	
Distribution Loss Factor - Secondary Metered Customer < 5,000 kW	1.0316
Distribution Loss Factor - Secondary Metered Customer > 5,000 kW	1.0100
Distribution Loss Factor - Primary Metered Customer < 5,000 kW	1.0213
Distribution Loss Factor - Primary Metered Customer > 5,000 kW	1.0000
<b>Total Loss Factor</b>	
Total Loss Factor - Secondary Metered Customer < 5,000 kW	<b>1.0353</b>
Total Loss Factor - Secondary Metered Customer > 5,000 kW	<b>1.0136</b>
Total Loss Factor - Primary Metered Customer < 5,000 kW	<b>1.0250</b>
Total Loss Factor - Primary Metered Customer > 5,000 kW	<b>1.0036</b>

## Materiality Analysis on Distribution Losses

WNH's Distribution 5-year average Loss Adjustment factor is 3.53%. Pursuant to the Filing Requirements, as the Distribution Loss Adjustment factor is less than 5%, WNH is not required to provide an explanation of, or justification for, its Loss Adjustment Factor.

## 2.8.10 TARIFF OF RATES AND CHARGES

The Current and Proposed Tariff of Rates and Charges are provided below. The current definition of rate classes and the current terms and conditions of service has been maintained in this Application. The Conditions of Service will be updated as a result of this Application for the proposed Standby/Capacity Reserve Charges if they are approved as described in Exhibit 7.

The Current Tariff of Rates and Charges are reflective of the current Approved Rate Order of December 12, 2019; please see Attachment 8-4.

For the Proposed Tariff of Rates and Charges please see Attachment 8-5. In accordance with the Filing Requirements, distributors must file a new Tariff Schedule and Bill Impact Model that has been filed in Excel format.



(Waterloo\_Tariff\_Schedule\_and\_Bill\_Impact\_Model\_2021\_COS\_20200630).

### Conditions of Service

WNH does not have any rates and charges in its Conditions of Service that do not appear on the Tariff Sheet.

### 2.8.11 REVENUE RECONCILIATION

Table 8-18 below reconciles the total 2021 Service Revenue Requirement, Other Revenue (Revenue Offsets) and Base Revenue Requirement per rate class. This is compared to the 2021 Base Revenue at 2020 Approved Rates per Table 8-3. Table 8-19 provides a reconciliation between the revenue based on 2021 Proposed Distribution Rates and the Base Revenue Requirement along with detailed calculations per rate class.

**Table 8-18 - 2021 Test Year Current vs. Proposed Rates**

Rate Class	2021 Total Base Revenue with 2020 Approved Rates	2021 Revenue at Proposed Rates		
		Base Revenue Requirement	Other Revenue	Service Revenue Requirement
Residential	19,891,127	21,315,456	1,444,377	22,759,833
GS < 50 kW	5,650,852	6,055,336	322,027	6,377,363
GS > 50 kW	10,054,729	10,774,523	422,744	11,197,267
Large User	806,266	863,967	40,429	904,396
Unmetered Scattered Load	113,541	120,471	14,241	134,712
Streetlighting	155,034	166,118	6,783	172,901
Embedded Distributor Class	2,174	2,216	67	2,283
<b>Total</b>	<b>36,673,723</b>	<b>39,298,087</b>	<b>2,250,668</b>	<b>41,548,755</b>

**Table 8-19 - 2021 Test Year Distribution Revenue Reconciliation**  
**RRWF – Tab 13. Rate Resign**

Rate Class	Customer and Load Forecast				Class Allocated Revenues			Fixed Variable Splits			Distribution Rates			Revenue Reconciliation		
	Volumetric Charge Determinant	Customers / Connections (Avg)	kWh	kW or kVA	Total Class Revenue Requirement	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership Allowance (\$)	Monthly Service Charge	Volumetric Rate	kW/kWh	MSC Revenues	Volumetric Revenues	Revenue Less Transformer Ownership
Residential	kWh	51,719	395,056,934	-	21,315,456	21,315,456	-	100.00%	0.00%		\$ 34.34	\$ -	/kWh	\$ 21,312,366	\$ -	\$ 21,312,366
GS < 50 kW	kWh	5,989	195,573,807	-	6,055,336	2,596,083	3,459,253	42.87%	57.13%	\$ 57,458	\$ 36.12	\$ 0.0180	/kWh	\$ 2,595,872	\$ 3,520,329	\$ 6,058,743
GS > 50 kW	kW	774	697,140,723	1,764,636	10,774,523	1,253,668	9,520,855	11.64%	88.36%	\$ 545,049	\$ 134.98	\$ 5.7042	/kW	\$ 1,253,694	\$ 10,065,837	\$ 10,774,482
Large User	kW	1	95,699,867	169,287	863,967	94,640	769,327	10.95%	89.05%		\$ 7,886.68	\$ 4.5445	/kW	\$ 94,640	\$ 769,325	\$ 863,965
Unmetered Scattered Load	kW	540	2,947,114	-	120,471	77,005	43,466	63.92%	36.08%		\$ 11.88	\$ 0.0147	/kWh	\$ 76,982	\$ 43,323	\$ 120,305
Streetlighting	kWh	15,005	3,347,727	9,302	166,118	67,527	98,591	40.65%	59.35%		\$ 0.38	\$ 10.5989	/kW	\$ 68,423	\$ 98,591	\$ 167,014
Embedded Distributor Class	kW	1	41,857,714	103,033	2,216	-	2,216	0.00%	100.00%		\$ -	\$ 0.0215	/kW		\$ 2,215	\$ 2,215
<b>Total</b>																
														<b>Total Distribution Revenue</b>		<b>\$ 39,299,089</b>
														<b>Base Revenue Requirement</b>		<b>\$ 39,298,087</b>
														<b>Difference</b>		<b>\$ 1,002</b>
														<b>%Difference</b>		<b>0.003%</b>

## 2.8.12 BILL IMPACT INFORMATION

Attachment 8-3 to this Exhibit presents the results of the assessment of customer total bill impacts by level of consumption by rate class. Table 8-20 reflects a summary of the rate impact of WNH's Typical Customer Monthly Usage per rate class.

**Table 8-20 Rate Impacts of Typical Monthly Usage by Rate Class**

Rate Impact Summary of Typical Monthly Usage by Rate Class								
Rate Class	kWh	kW	# of Connections	2020 Bill \$	2021 Bill \$	\$ Difference	Total Bill Impact %	Distribution Bill Impact %
Residential	750			116.39	117.36	0.97	0.8%	7.1%
GS < 50 kW	2,000			293.50	292.18	(1.32)	-0.4%	7.1%
GS > 50 kW	100,000	250		16,064.13	16,159.59	95.46	0.6%	6.8%
Large User	8,000,000	14,500		1,187,477.63	1,190,332.65	2,855.02	0.2%	7.2%
Unmetered Scattered Load	150		1	28.85	29.13	0.28	1.0%	6.0%
Street Lighting	50	0	1	746.37	770.61	24.24	3.1%	7.2%
Embedded Distributor	2,615,000	6,000		349,281.57	349,183.60	(97.97)	0.0%	1.9%
Residential - 10% consumption percentile	299			62.45	63.18	0.73	1.2%	7.1%
Residential - Retailer	750			104.73	106.20	1.47	1.4%	7.1%
GS < 50 kW - Retailer	2,000			262.76	263.71	0.95	0.4%	7.1%
<b>Total</b>								

Impacts are shown using the applicable Current Approved Rates and the Proposed 2021 Distribution Rates, including Rate Riders for the recovery of Deferral and Variance accounts discussed in Exhibit 9.

The rate impacts are assessed on the basis of moving to the Proposed Distribution Rates.

As shown in Attachment 8-3 Tariff Schedule and Bill Impact Model there are two spots that have requested further explanation. Under GS < 50 kW and Unmetered Scattered Load the RTSR – Connection and/or Line and Transformation Connection charge has decreased by 4.25%. The reason for these decrease is a decrease in consumption for 2019 by 5.0% compared to 2018.

1 Additionally, in Attachment 8-3 Tariff Schedule and Bill Impact Model, WNH notes that  
2 the model for bill impacts for the GS < 50 kW - RPP rate class is not pulling the Group 2  
3 Rate Rider. The rate rider should be (\$0.0025) with a bill impact of (\$5.00).

4  
5 Lastly, as discussed in Exhibit 9, The Power Liability Variance that is included in the  
6 Group 2 Rate Riders will only be applicable to RPP customers.

## 7 8 **2.8.13 RATE MITIGATION**

9  
10 As the total bill impact for all rate classes is less than 10%, no rate mitigation is necessary.

### 11 **2.8.13.1 RESIDENTIAL RATE DESIGN**

12  
13 On April 2, 2015, the OEB released the *Report of the Board: A New Rate Design for*  
14 *Electricity Residential Customers (EB-2012-0410)* and determined that residential  
15 distribution rates would move to a fully-fixed monthly charge over a four-year period. This  
16 transition process requires that the fixed charge is increased gradually while the  
17 volumetric charge is reduced slowly, so that the customer rate impact and the distributor's  
18 residential class revenue remains neutral. In the 2016 Rate Applications (EB-2015-0108),  
19 WNH received approval to transition the residential rate to a fully-fixed rate over a four-  
20 year period, commencing with the January 1, 2016 rates.

21  
22 WNH completed its transition of residential customers to fully fixed rates effective January  
23 1, 2019.

### 24 25 **2.8.13.2 MITIGATION PLAN APPROACHES**

26  
27 WNH submits the bill impacts of its proposed 2021 electricity distribution rates are  
28 reasonable and do not require rate mitigation. No total bill increase for any class is  
29 expected to exceed 10% and therefore no mitigation plan is required.

1

2 **2.8.13.3 RATE HARMONIZATION MITIGATION ISSUES**

3

4 Rate harmonization is not applicable to WNH.



## **ATTACHMENT 8-1**

## **REQUIRED OEB APPENDICES**

## Appendix 2-R Loss Factors

		Historical Years					5-Year Average
		2015	2016	2017	2018	2019	
	Losses Within Distributor's System						
A(1)	"Wholesale" kWh delivered to distributor (higher value)	1,486,984,762	1,495,245,071	1,454,001,207	1,517,720,865	1,482,652,460	1,487,320,873
A(2)	"Wholesale" kWh delivered to distributor (lower value)	1,481,567,368	1,489,683,679	1,449,106,654	1,512,240,290	1,477,078,874	1,481,935,373
B	Portion of "Wholesale" kWh delivered to distributor for its Large Use Customer(s)	128,357,914	130,542,405	131,550,499	136,341,353	137,272,800	132,812,994
C	Net "Wholesale" kWh delivered to distributor = A(2) - B	1,353,209,454	1,359,141,274	1,317,556,155	1,375,898,937	1,339,806,074	1,349,122,379
D	"Retail" kWh delivered by distributor	1,441,031,603	1,444,462,268	1,409,167,205	1,467,265,689	1,438,045,052	1,439,994,363
E	Portion of "Retail" kWh delivered by distributor to its Large Use Customer(s)	127,719,318	129,931,726	130,935,104	135,703,546	136,630,636	132,184,066
F	Net "Retail" kWh delivered by distributor = D - E	1,313,312,285	1,314,530,543	1,278,232,101	1,331,562,142	1,301,414,416	1,307,810,297
G	Loss Factor in Distributor's system = C / F	1.0304	1.0339	1.0308	1.0333	1.0295	1.0316
	Losses Upstream of Distributor's System						
H	Supply Facilities Loss Factor	1.0037	1.0037	1.0034	1.0036	1.0038	1.0036
	Total Losses						
I	Total Loss Factor = G x H	1.0341	1.0378	1.0342	1.0370	1.0334	1.0353

**Notes:**

- A(1)** If directly connected to the IESO-controlled grid, kWh pertains to the virtual meter on the primary or high voltage side of the transformer at the interface with the transmission grid. This corresponds to the "With Losses" kWh value provided by the IESO's MV-WEB. It is the higher of the two values provided by MV-WEB.
- If fully embedded within a host distributor, kWh pertains to the virtual meter on the primary or high voltage side of the transformer, at the interface between the host distributor and the transmission grid. For example, if the host distributor is Hydro One Networks Inc., kWh from the Hydro One Networks' invoice corresponding to "Total kWh w Losses" should be reported. This corresponds to the higher of the two kWh values provided in Hydro One Networks' invoice.
- If partially embedded, kWh pertains to the sum of the above.
- A(2)** If directly connected to the IESO-controlled grid, kWh pertains to a metering installation on the secondary or low voltage side of the transformer at the interface with the transmission grid. This corresponds to the "Without Losses" kWh value provided by the IESO's MV-WEB. It is the lower of the two kWh values provided by MV-WEB.
- If fully embedded with the host distributor, kWh pertains to a metering installation on the secondary or low voltage side of the transformer at the interface between the embedded distributor and the host distributor. For example, if the host distributor is Hydro One Networks Inc., kWh from the Hydro One Networks' invoice corresponding to "Total kWh" should be reported. This corresponds to the lower of the two kWh values provided in Hydro One Networks' invoice.
- If partially embedded, kWh pertains to the sum of the above.
- Additionally, kWh pertaining to distributed generation directly connected to the distributor's own distribution network should be included in **A(2)**.
- B** If a Large Use Customer is metered on the secondary or low voltage side of the transformer, the default loss is 1% (i.e., **B** = 1.01 X **E**). This value should not include supply facility losses. However, the total loss factor on the tariff of rate and charges and applied to customers consumption should include the supply facility loss factor.
- D** kWh corresponding to D should equal metered or estimated kWh at the customer's delivery point.
- E** Metered consumption of Large Use customers.
- G and I** These loss factors pertain to secondary-metered customers with demand less than 5,000 kW.
- H** Actual Supply Facility Loss Factor as calculated by dividing A(1) by A(2).



## **ATTACHMENT 8-2**

# **RETAIL TRANSMISSION SERVICE RATE WORKFORM**





# 2021 RTSR Workform for Electricity Distributors

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

Utility Name	Waterloo North Hydro Inc.
Assigned EB Number	EB-2020-0059
Name and Title of Contact	Albert P. Singh, VP Finance & CFO
Phone Number	519-888-5542
Email Address	asingh@wnhydro.com
Last COS Re-based Year	2016

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

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



# 2021 RTSR Workform for Electricity Distributors

[1. Info](#)

[2. Table of Contents](#)

[3. RRR Data](#)

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

[5. Historical Wholesale](#)

[6. Current Wholesale](#)

[7. Forecast Wholesale](#)

[8. RTSR Rates to Forecast](#)

# 2021 RTSR Workform for Electricity Distributors

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor <i>eg: (1.0325)</i>	Loss Adjusted Billed kWh
RESIDENTIAL SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0073	406,423,263		1.0362	421,135,785
RESIDENTIAL SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0026	406,423,263		1.0362	421,135,785
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	198,022,375		1.0362	205,190,785
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024	198,022,375		1.0362	205,190,785
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7777	208,620,563	609,147		0
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.9504	266,896,702	688,078		0
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9464	216,650,741	473,807		0
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.9053	208,620,563	609,147		0
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1306	266,896,702	688,078		0
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.1295	216,650,741	473,807		0
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2665	96,183,866	169,281		0
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1346	96,183,866	169,281		0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	2,771,071		1.0362	2,871,384
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024	2,771,071		1.0362	2,871,384
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kW	2.0950	3,499,974	9,891		0
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6996	3,499,974	9,891		0

# 2021 RTSR Workform for Electricity Distributors

Uniform Transmission Rates		Unit		2019 (Jan. 1-June 30)		2019 (July 1 - Dec. 31)		2020		2021	
Rate Description				Rate		Rate		Rate		Rate	
Network Service Rate	kW	\$	3.71	\$	3.83	\$	3.92	\$	3.92	\$	3.92
Line Connection Service Rate	kW	\$	0.94	\$	0.96	\$	0.97	\$	0.97	\$	0.97
Transformation Connection Service Rate	kW	\$	2.25	\$	2.30	\$	2.33	\$	2.33	\$	2.33

Hydro One Sub-Transmission Rates		Unit		2019 (Jan. 1-June 30)		2019 (July 1 - Dec. 31)		2020		2021	
Rate Description				Rate		Rate		Rate		Rate	
Network Service Rate	kW	\$	3.1942	\$	3.2915	\$	3.3980	\$	3.3980	\$	3.3980
Line Connection Service Rate	kW	\$	0.7710	\$	0.7877	\$	0.8045	\$	0.8045	\$	0.8045
Transformation Connection Service Rate	kW	\$	1.7493	\$	1.9755	\$	2.0194	\$	2.0194	\$	2.0194
Both Line and Transformation Connection Service Rate	kW	\$	2.5203	\$	2.7632	\$	2.8239	\$	2.8239	\$	2.8239

If needed, add extra host here. (I)		Unit		2019 (Jan. 1-June 30)		2019 (July 1 - Dec. 31)		2020		2021	
Rate Description				Rate		Rate		Rate		Rate	
Network Service Rate	kW	\$	2.57	\$	2.57	\$	2.75	\$	2.75	\$	2.75
Line Connection Service Rate	kW	\$	0.80	\$	0.80	\$	0.81	\$	0.81	\$	0.81
Transformation Connection Service Rate	kW										
Both Line and Transformation Connection Service Rate	kW	\$			0.80	\$	0.81	\$	0.81	\$	0.81

If needed, add extra host here. (II)		Unit		2019 (Jan. 1-June 30)		2019 (July 1 - Dec. 31)		2020		2021	
Rate Description				Rate		Rate		Rate		Rate	
Network Service Rate	kW	\$	2.42	\$	2.38	\$	2.46	\$	2.46	\$	2.46
Line Connection Service Rate	kW	\$	1.98	\$	2.03	\$	1.96	\$	1.96	\$	1.96
Transformation Connection Service Rate	kW										
Both Line and Transformation Connection Service Rate	kW	\$			1.98	\$	1.96	\$	1.96	\$	1.96
				Historical 2019		Current 2020		Forecast 2021			
Low Voltage Switchgear Credit (if applicable, enter as a negative value)		\$									



# 2021 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "3. RRR Data". For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformation 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 discrepancies 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	201,268	\$3.7100	746,704	218,164	\$0.9400	205,074	27,166	\$2.2500	61,124	\$ 266,198
February	196,204	\$3.7100	727,917	212,097	\$0.9400	199,371	26,891	\$2.2500	60,505	\$ 259,876
March	194,693	\$3.7100	722,311	199,068	\$0.9400	187,124	26,006	\$2.2500	58,514	\$ 245,637
April	170,738	\$3.7100	633,438	186,146	\$0.9400	174,977	24,415	\$2.2500	54,934	\$ 229,911
May	155,189	\$3.7100	575,751	173,870	\$0.9400	163,438	21,445	\$2.2500	48,251	\$ 211,689
June	213,987	\$3.7100	793,892	217,246	\$0.9400	204,211	23,889	\$2.2500	53,751	\$ 257,962
July	239,735	\$3.8300	918,184	251,625	\$0.9600	241,560	24,435	\$2.3000	56,200	\$ 297,760
August	220,030	\$3.8300	842,715	233,719	\$0.9600	224,370	24,753	\$2.3000	56,932	\$ 281,302
September	209,126	\$3.8300	800,953	211,458	\$0.9600	203,000	22,457	\$2.3000	51,651	\$ 254,651
October	192,250	\$3.8300	736,318	204,764	\$0.9600	196,573	22,947	\$2.3000	52,778	\$ 249,352
November	189,081	\$3.8300	724,180	191,130	\$0.9600	183,485	24,334	\$2.3000	55,968	\$ 239,453
December	187,452	\$3.8300	717,941	200,047	\$0.9600	192,045	24,496	\$2.3000	56,341	\$ 248,386
<b>Total</b>	2,369,753	\$ 3.77	\$ 8,940,304	2,499,334	\$ 0.95	\$ 2,375,228	293,234	\$ 2.27	\$ 666,948	\$ 3,042,176

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,311	\$3.1942	\$ 16,966	5,339	\$0.7710	\$ 4,116	5,339	\$1.7493	\$ 9,340	\$ 13,456
February	6,034	\$3.1942	\$ 19,273	6,160	\$0.7710	\$ 4,750	6,160	\$1.7493	\$ 10,776	\$ 15,526
March	5,529	\$3.1942	\$ 17,662	5,571	\$0.7710	\$ 4,295	5,571	\$1.7493	\$ 9,746	\$ 14,041
April	5,041	\$3.1942	\$ 16,101	5,110	\$0.7710	\$ 3,940	5,110	\$1.7493	\$ 8,939	\$ 12,879
May	5,169	\$3.1942	\$ 16,510	5,189	\$0.7710	\$ 4,001	5,189	\$1.7493	\$ 9,077	\$ 13,077
June	4,826	\$3.1942	\$ 15,414	4,870	\$0.7710	\$ 3,755	4,870	\$1.7493	\$ 8,519	\$ 12,274
July	6,258	\$3.2301	\$ 20,214	6,330	\$0.7773	\$ 4,920	6,330	\$1.8324	\$ 11,599	\$ 16,519
August	5,896	\$3.2915	\$ 19,405	6,015	\$0.7877	\$ 4,738	6,015	\$1.9755	\$ 11,883	\$ 16,622
September	5,689	\$3.2915	\$ 18,725	5,713	\$0.7877	\$ 4,500	5,713	\$1.9755	\$ 11,286	\$ 15,786
October	5,002	\$3.2915	\$ 16,464	5,439	\$0.7877	\$ 4,285	5,439	\$1.9755	\$ 10,745	\$ 15,030
November	5,545	\$3.2915	\$ 18,250	5,552	\$0.7877	\$ 4,374	5,552	\$1.9755	\$ 10,968	\$ 15,342
December	5,670	\$3.2915	\$ 18,664	5,785	\$0.7877	\$ 4,557	5,785	\$1.9755	\$ 11,428	\$ 15,985
<b>Total</b>	65,969	\$ 3.24	\$ 213,647	67,074	\$ 0.78	\$ 52,230	67,074	\$ 1.85	\$ 124,306	\$ 176,536

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	4,041	\$2.5650	\$ 10,365	4,104	\$0.7970	\$ 3,271		\$0.0000		\$ 3,271
February	4,461	\$2.5650	\$ 11,441	4,461	\$0.7970	\$ 3,555		\$0.0000		\$ 3,555
March	3,598	\$2.5650	\$ 9,228	3,721	\$0.7970	\$ 2,966		\$0.0000		\$ 2,966
April	3,050	\$2.5650	\$ 7,822	3,050	\$0.7970	\$ 2,431		\$0.0000		\$ 2,431
May	2,207	\$2.5650	\$ 5,661	2,293	\$0.7970	\$ 1,827		\$0.0000		\$ 1,827
June	3,011	\$2.5650	\$ 7,723	3,011	\$0.7970	\$ 2,400		\$0.0000		\$ 2,400
July	3,658	\$2.5650	\$ 9,383	3,658	\$0.7970	\$ 2,915		\$0.0000		\$ 2,915
August	3,250	\$2.5650	\$ 8,337	3,250	\$0.7970	\$ 2,590		\$0.0000		\$ 2,590
September	3,048	\$2.5650	\$ 7,818	3,048	\$0.7970	\$ 2,429		\$0.0000		\$ 2,429
October	2,697	\$2.5650	\$ 6,917	2,697	\$0.7970	\$ 2,149		\$0.0000		\$ 2,149
November	2,799	\$2.5650	\$ 7,179	2,799	\$0.7970	\$ 2,231		\$0.0000		\$ 2,231
December	2,998	\$2.5650	\$ 7,689	2,998	\$0.7970	\$ 2,389		\$0.0000		\$ 2,389
<b>Total</b>	38,816	\$ 2.57	\$ 99,564	39,089	\$ 0.80	\$ 31,154	-	\$ -	\$ -	\$ 31,154



# 2021 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "3. RRR Data". For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformation 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 notes.

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	9,500	\$2.4156	\$ 22,949	9,500	\$1.9849	\$ 18,857		\$0.0000		\$ 18,857			
February	10,084	\$2.4156	\$ 24,360	10,228	\$1.9849	\$ 20,301		\$0.0000		\$ 20,301			
March	9,721	\$2.4156	\$ 23,483	9,862	\$1.9849	\$ 19,575		\$0.0000		\$ 19,575			
April	9,496	\$2.4156	\$ 22,938	9,608	\$1.9849	\$ 19,070		\$0.0000		\$ 19,070			
May	8,820	\$2.4156	\$ 21,306	8,990	\$1.9849	\$ 17,844		\$0.0000		\$ 17,844			
June	8,291	\$2.4156	\$ 20,027	8,291	\$1.9849	\$ 16,456		\$0.0000		\$ 16,456			
July	9,798	\$2.4156	\$ 23,667	9,897	\$1.9849	\$ 19,645		\$0.0000		\$ 19,645			
August	12,439	\$2.4156	\$ 30,049	12,439	\$1.9849	\$ 24,691		\$0.0000		\$ 24,691			
September	10,337	\$2.3839	\$ 24,643	10,337	\$2.0269	\$ 20,953		\$0.0000		\$ 20,953			
October	9,902	\$2.3839	\$ 23,606	9,902	\$2.0269	\$ 20,071		\$0.0000		\$ 20,071			
November	9,965	\$2.3839	\$ 23,757	10,577	\$2.0269	\$ 21,439		\$0.0000		\$ 21,439			
December	9,463	\$2.3839	\$ 22,559	9,463	\$2.0269	\$ 19,181		\$0.0000		\$ 19,181			
Total	117,818	\$ 2.40	\$ 283,344	119,095	\$ 2.00	\$ 238,084	-	\$ -	\$ -	\$ 238,084			

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	220,121	\$3.6207	\$ 796,984	237,108	\$0.9756	\$ 231,319	32,505	\$2.1678	\$ 70,463	\$ 301,782
February	216,783	\$3.6119	\$ 782,991	232,946	\$0.9787	\$ 227,977	33,051	\$2.1567	\$ 71,281	\$ 299,258
March	213,542	\$3.6184	\$ 772,684	218,222	\$0.9805	\$ 213,960	31,577	\$2.1617	\$ 68,259	\$ 282,219
April	188,324	\$3.6124	\$ 680,300	203,913	\$0.9829	\$ 200,418	29,525	\$2.1633	\$ 63,873	\$ 264,290
May	171,385	\$3.6131	\$ 619,228	190,342	\$0.9830	\$ 187,110	26,634	\$2.1525	\$ 57,328	\$ 244,438
June	230,114	\$3.6376	\$ 837,056	233,418	\$0.9717	\$ 226,822	28,759	\$2.1652	\$ 62,270	\$ 289,092
July	259,448	\$3.7443	\$ 971,447	271,510	\$0.9909	\$ 269,041	30,765	\$2.2038	\$ 67,799	\$ 336,840
August	241,615	\$3.7270	\$ 900,506	255,424	\$1.0038	\$ 256,390	30,768	\$2.2366	\$ 68,815	\$ 325,205
September	228,200	\$3.7342	\$ 852,138	230,556	\$1.0014	\$ 230,881	28,170	\$2.2342	\$ 62,937	\$ 293,818
October	209,851	\$3.7327	\$ 783,304	222,802	\$1.0012	\$ 223,078	28,386	\$2.2378	\$ 63,523	\$ 286,601
November	207,390	\$3.7290	\$ 773,367	210,059	\$1.0070	\$ 211,528	29,886	\$2.2397	\$ 66,937	\$ 278,465
December	205,583	\$3.7301	\$ 766,853	218,293	\$0.9994	\$ 218,172	30,281	\$2.2380	\$ 67,769	\$ 285,941
Total	2,592,356	\$ 3.68	\$ 9,536,859	2,724,592	\$ 0.99	\$ 2,696,696	360,308	\$ 2.20	\$ 791,254	\$ 3,487,950



# 2021 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2020 Uniform Transmission Rates and Hydro One Sub-transmission Rates are applied against historical 2019 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	201,268	\$ 3.9200	\$ 788,971	218,164	\$ 0.9700	\$ 211,619	27,166	\$ 2.3300	\$ 63,297	\$ 274,916
February	196,204	\$ 3.9200	\$ 769,120	212,097	\$ 0.9700	\$ 205,734	26,891	\$ 2.3300	\$ 62,656	\$ 268,390
March	194,693	\$ 3.9200	\$ 763,197	199,068	\$ 0.9700	\$ 193,096	26,006	\$ 2.3300	\$ 60,594	\$ 253,690
April	170,738	\$ 3.9200	\$ 669,293	186,146	\$ 0.9700	\$ 180,562	24,415	\$ 2.3300	\$ 56,887	\$ 237,449
May	155,189	\$ 3.9200	\$ 608,341	173,870	\$ 0.9700	\$ 168,654	21,445	\$ 2.3300	\$ 49,967	\$ 218,621
June	213,987	\$ 3.9200	\$ 838,829	217,246	\$ 0.9700	\$ 210,728	23,889	\$ 2.3300	\$ 55,662	\$ 266,390
July	239,735	\$ 3.9200	\$ 939,760	251,625	\$ 0.9700	\$ 244,076	24,435	\$ 2.3300	\$ 56,933	\$ 301,009
August	220,030	\$ 3.9200	\$ 862,518	233,719	\$ 0.9700	\$ 226,707	24,753	\$ 2.3300	\$ 57,674	\$ 284,382
September	209,126	\$ 3.9200	\$ 819,774	211,458	\$ 0.9700	\$ 205,114	22,457	\$ 2.3300	\$ 52,325	\$ 257,439
October	192,250	\$ 3.9200	\$ 753,620	204,764	\$ 0.9700	\$ 198,621	22,947	\$ 2.3300	\$ 53,467	\$ 252,088
November	189,081	\$ 3.9200	\$ 741,198	191,130	\$ 0.9700	\$ 185,396	24,334	\$ 2.3300	\$ 56,698	\$ 242,094
December	187,452	\$ 3.9200	\$ 734,812	200,047	\$ 0.9700	\$ 194,046	24,496	\$ 2.3300	\$ 57,076	\$ 251,121
<b>Total</b>	<b>2,369,753</b>	<b>\$ 3.92</b>	<b>\$ 9,289,431</b>	<b>2,499,334</b>	<b>\$ 0.97</b>	<b>\$ 2,424,354</b>	<b>293,234</b>	<b>\$ 2.33</b>	<b>\$ 683,235</b>	<b>\$ 3,107,589</b>

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,311	\$ 3.3980	\$ 18,048	5,339	\$ 0.8045	\$ 4,295	5,339	\$ 2.0194	\$ 10,782	\$ 15,077
February	6,034	\$ 3.3980	\$ 20,503	6,160	\$ 0.8045	\$ 4,956	6,160	\$ 2.0194	\$ 12,440	\$ 17,396
March	5,529	\$ 3.3980	\$ 18,789	5,571	\$ 0.8045	\$ 4,482	5,571	\$ 2.0194	\$ 11,250	\$ 15,732
April	5,041	\$ 3.3980	\$ 17,129	5,110	\$ 0.8045	\$ 4,111	5,110	\$ 2.0194	\$ 10,319	\$ 14,430
May	5,169	\$ 3.3980	\$ 17,563	5,189	\$ 0.8045	\$ 4,174	5,189	\$ 2.0194	\$ 10,478	\$ 14,652
June	4,826	\$ 3.3980	\$ 16,397	4,870	\$ 0.8045	\$ 3,918	4,870	\$ 2.0194	\$ 9,834	\$ 13,752
July	6,258	\$ 3.3980	\$ 21,265	6,330	\$ 0.8045	\$ 5,092	6,330	\$ 2.0194	\$ 12,783	\$ 17,875
August	5,896	\$ 3.3980	\$ 20,033	6,015	\$ 0.8045	\$ 4,839	6,015	\$ 2.0194	\$ 12,148	\$ 16,987
September	5,689	\$ 3.3980	\$ 19,331	5,713	\$ 0.8045	\$ 4,596	5,713	\$ 2.0194	\$ 11,537	\$ 16,133
October	5,002	\$ 3.3980	\$ 16,996	5,439	\$ 0.8045	\$ 4,376	5,439	\$ 2.0194	\$ 10,984	\$ 15,360
November	5,545	\$ 3.3980	\$ 18,841	5,552	\$ 0.8045	\$ 4,467	5,552	\$ 2.0194	\$ 11,212	\$ 15,679
December	5,670	\$ 3.3980	\$ 19,268	5,785	\$ 0.8045	\$ 4,654	5,785	\$ 2.0194	\$ 11,682	\$ 16,336
<b>Total</b>	<b>65,969</b>	<b>\$ 3.40</b>	<b>\$ 224,162</b>	<b>67,074</b>	<b>\$ 0.80</b>	<b>\$ 53,961</b>	<b>67,074</b>	<b>\$ 2.02</b>	<b>\$ 135,449</b>	<b>\$ 189,410</b>

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	4,041	\$ 2.7534	\$ 11,127	4,104	\$ 0.8139	\$ 3,340	-	\$ -	\$ -	\$ 3,340
February	4,461	\$ 2.7534	\$ 12,282	4,461	\$ 0.8139	\$ 3,630	-	\$ -	\$ -	\$ 3,630
March	3,598	\$ 2.7534	\$ 9,906	3,721	\$ 0.8139	\$ 3,029	-	\$ -	\$ -	\$ 3,029
April	3,050	\$ 2.7534	\$ 8,397	3,050	\$ 0.8139	\$ 2,482	-	\$ -	\$ -	\$ 2,482
May	2,207	\$ 2.7534	\$ 6,077	2,293	\$ 0.8139	\$ 1,866	-	\$ -	\$ -	\$ 1,866
June	3,011	\$ 2.7534	\$ 8,290	3,011	\$ 0.8139	\$ 2,451	-	\$ -	\$ -	\$ 2,451
July	3,658	\$ 2.7534	\$ 10,072	3,658	\$ 0.8139	\$ 2,977	-	\$ -	\$ -	\$ 2,977
August	3,250	\$ 2.7534	\$ 8,949	3,250	\$ 0.8139	\$ 2,645	-	\$ -	\$ -	\$ 2,645
September	3,048	\$ 2.7534	\$ 8,392	3,048	\$ 0.8139	\$ 2,481	-	\$ -	\$ -	\$ 2,481
October	2,697	\$ 2.7534	\$ 7,425	2,697	\$ 0.8139	\$ 2,195	-	\$ -	\$ -	\$ 2,195
November	2,799	\$ 2.7534	\$ 7,707	2,799	\$ 0.8139	\$ 2,278	-	\$ -	\$ -	\$ 2,278
December	2,998	\$ 2.7534	\$ 8,254	2,998	\$ 0.8139	\$ 2,440	-	\$ -	\$ -	\$ 2,440
<b>Total</b>	<b>38,816</b>	<b>\$ 2.75</b>	<b>\$ 106,877</b>	<b>39,089</b>	<b>\$ 0.81</b>	<b>\$ 31,814</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,814</b>

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	9,500	\$ 2.4605	\$ 23,376	9,500	\$ 1.9627	\$ 18,646	-	\$ -	\$ -	\$ 18,646
February	10,084	\$ 2.4605	\$ 24,812	10,228	\$ 1.9627	\$ 20,074	-	\$ -	\$ -	\$ 20,074
March	9,721	\$ 2.4605	\$ 23,920	9,862	\$ 1.9627	\$ 19,356	-	\$ -	\$ -	\$ 19,356
April	9,496	\$ 2.4605	\$ 23,364	9,608	\$ 1.9627	\$ 18,857	-	\$ -	\$ -	\$ 18,857
May	8,820	\$ 2.4605	\$ 21,702	8,990	\$ 1.9627	\$ 17,645	-	\$ -	\$ -	\$ 17,645
June	8,291	\$ 2.4605	\$ 20,399	8,291	\$ 1.9627	\$ 16,272	-	\$ -	\$ -	\$ 16,272
July	9,798	\$ 2.4605	\$ 24,107	9,897	\$ 1.9627	\$ 19,426	-	\$ -	\$ -	\$ 19,426
August	12,439	\$ 2.4605	\$ 30,607	12,439	\$ 1.9627	\$ 24,415	-	\$ -	\$ -	\$ 24,415
September	10,337	\$ 2.4605	\$ 25,435	10,337	\$ 1.9627	\$ 20,289	-	\$ -	\$ -	\$ 20,289
October	9,902	\$ 2.4605	\$ 24,365	9,902	\$ 1.9627	\$ 19,435	-	\$ -	\$ -	\$ 19,435
November	9,965	\$ 2.4605	\$ 24,520	10,577	\$ 1.9627	\$ 20,760	-	\$ -	\$ -	\$ 20,760
December	9,463	\$ 2.4605	\$ 23,284	9,463	\$ 1.9627	\$ 18,573	-	\$ -	\$ -	\$ 18,573
<b>Total</b>	<b>117,818</b>	<b>\$ 2.46</b>	<b>\$ 289,891</b>	<b>119,095</b>	<b>\$ 1.96</b>	<b>\$ 233,749</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 233,749</b>



# 2021 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2020 Uniform Transmission Rates and Hydro One Sub-transmission Rates are applied against historical 2019 transmission units.

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	220,121	\$3.82	\$ 841,521	237,108	\$1.00	\$ 237,901	32,505	\$2.28	\$ 74,078	\$ 311,980
February	216,783	\$3.81	\$ 826,716	232,946	\$1.01	\$ 234,395	33,051	\$2.27	\$ 75,096	\$ 309,491
March	213,542	\$3.82	\$ 815,811	218,222	\$1.01	\$ 219,963	31,577	\$2.28	\$ 71,844	\$ 291,807
April	188,324	\$3.81	\$ 718,183	203,913	\$1.01	\$ 206,012	29,525	\$2.28	\$ 67,206	\$ 273,218
May	171,385	\$3.81	\$ 653,683	190,342	\$1.01	\$ 192,339	26,634	\$2.27	\$ 60,445	\$ 252,784
June	230,114	\$3.84	\$ 883,917	233,418	\$1.00	\$ 233,370	28,759	\$2.28	\$ 65,496	\$ 298,866
July	259,448	\$3.84	\$ 995,203	271,510	\$1.00	\$ 271,572	30,765	\$2.27	\$ 69,716	\$ 341,287
August	241,615	\$3.82	\$ 922,107	255,424	\$1.01	\$ 258,607	30,768	\$2.27	\$ 69,822	\$ 328,429
September	228,200	\$3.83	\$ 872,932	230,556	\$1.01	\$ 232,480	28,170	\$2.27	\$ 63,861	\$ 296,341
October	209,851	\$3.82	\$ 802,406	222,802	\$1.01	\$ 224,627	28,386	\$2.27	\$ 64,451	\$ 289,078
November	207,390	\$3.82	\$ 792,265	210,059	\$1.01	\$ 212,901	29,886	\$2.27	\$ 67,910	\$ 280,811
December	205,583	\$3.82	\$ 785,617	218,293	\$1.01	\$ 219,713	30,281	\$2.27	\$ 68,758	\$ 288,471
<b>Total</b>	<b>2,592,356</b>	<b>\$ 3.82</b>	<b>\$ 9,910,361</b>	<b>2,724,592</b>	<b>\$ 1.01</b>	<b>\$ 2,743,878</b>	<b>360,308</b>	<b>\$ 2.27</b>	<b>\$ 818,685</b>	<b>\$ 3,562,562</b>





# 2021 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2021 Uniform Transmission Rates and Hydro One Sub-transmission Rates are applied against historical 2019 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	201,268	\$ 3.9200	\$ 788,971	218,164	\$ 0.9700	\$ 211,619	27,166	\$ 2.3300	\$ 63,297	\$ 274,916
February	196,204	\$ 3.9200	\$ 769,120	212,097	\$ 0.9700	\$ 205,734	26,891	\$ 2.3300	\$ 62,656	\$ 268,390
March	194,693	\$ 3.9200	\$ 763,197	199,068	\$ 0.9700	\$ 193,096	26,006	\$ 2.3300	\$ 60,594	\$ 253,690
April	170,738	\$ 3.9200	\$ 669,293	186,146	\$ 0.9700	\$ 180,562	24,415	\$ 2.3300	\$ 56,887	\$ 237,449
May	155,189	\$ 3.9200	\$ 608,341	173,870	\$ 0.9700	\$ 168,654	21,445	\$ 2.3300	\$ 49,967	\$ 218,621
June	213,987	\$ 3.9200	\$ 838,829	217,246	\$ 0.9700	\$ 210,728	23,889	\$ 2.3300	\$ 55,662	\$ 266,390
July	239,735	\$ 3.9200	\$ 939,760	251,625	\$ 0.9700	\$ 244,076	24,435	\$ 2.3300	\$ 56,933	\$ 301,009
August	220,030	\$ 3.9200	\$ 862,518	233,719	\$ 0.9700	\$ 226,707	24,753	\$ 2.3300	\$ 57,674	\$ 284,382
September	209,126	\$ 3.9200	\$ 819,774	211,458	\$ 0.9700	\$ 205,114	22,457	\$ 2.3300	\$ 52,325	\$ 257,439
October	192,250	\$ 3.9200	\$ 753,620	204,764	\$ 0.9700	\$ 198,621	22,947	\$ 2.3300	\$ 53,467	\$ 252,088
November	189,081	\$ 3.9200	\$ 741,198	191,130	\$ 0.9700	\$ 185,396	24,334	\$ 2.3300	\$ 56,698	\$ 242,094
December	187,452	\$ 3.9200	\$ 734,812	200,047	\$ 0.9700	\$ 194,046	24,496	\$ 2.3300	\$ 57,076	\$ 251,121
<b>Total</b>	2,369,753	\$ 3.92	\$ 9,289,431	2,499,334	\$ 0.97	\$ 2,424,354	293,234	\$ 2.33	\$ 683,235	\$ 3,107,589

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,311	\$ 3.3980	\$ 18,048	5,339	\$ 0.8045	\$ 4,295	5,339	\$ 2.0194	\$ 10,782	\$ 15,077
February	6,034	\$ 3.3980	\$ 20,503	6,160	\$ 0.8045	\$ 4,956	6,160	\$ 2.0194	\$ 12,440	\$ 17,396
March	5,529	\$ 3.3980	\$ 18,789	5,571	\$ 0.8045	\$ 4,482	5,571	\$ 2.0194	\$ 11,250	\$ 15,732
April	5,041	\$ 3.3980	\$ 17,129	5,110	\$ 0.8045	\$ 4,111	5,110	\$ 2.0194	\$ 10,319	\$ 14,430
May	5,169	\$ 3.3980	\$ 17,563	5,189	\$ 0.8045	\$ 4,174	5,189	\$ 2.0194	\$ 10,478	\$ 14,652
June	4,826	\$ 3.3980	\$ 16,397	4,870	\$ 0.8045	\$ 3,918	4,870	\$ 2.0194	\$ 9,834	\$ 13,752
July	6,258	\$ 3.3980	\$ 21,265	6,330	\$ 0.8045	\$ 5,092	6,330	\$ 2.0194	\$ 12,783	\$ 17,875
August	5,896	\$ 3.3980	\$ 20,033	6,015	\$ 0.8045	\$ 4,839	6,015	\$ 2.0194	\$ 12,148	\$ 16,987
September	5,689	\$ 3.3980	\$ 19,331	5,713	\$ 0.8045	\$ 4,596	5,713	\$ 2.0194	\$ 11,537	\$ 16,133
October	5,002	\$ 3.3980	\$ 16,996	5,439	\$ 0.8045	\$ 4,376	5,439	\$ 2.0194	\$ 10,984	\$ 15,360
November	5,545	\$ 3.3980	\$ 18,841	5,552	\$ 0.8045	\$ 4,467	5,552	\$ 2.0194	\$ 11,212	\$ 15,679
December	5,670	\$ 3.3980	\$ 19,268	5,785	\$ 0.8045	\$ 4,654	5,785	\$ 2.0194	\$ 11,682	\$ 16,336
<b>Total</b>	65,969	\$ 3.40	\$ 224,162	67,074	\$ 0.80	\$ 53,961	67,074	\$ 2.02	\$ 135,449	\$ 189,410

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	4,041	\$ 2.7534	\$ 11,127	4,104	\$ 0.8139	\$ 3,340	-	\$ -	\$ -	\$ 3,340
February	4,461	\$ 2.7534	\$ 12,282	4,461	\$ 0.8139	\$ 3,630	-	\$ -	\$ -	\$ 3,630
March	3,598	\$ 2.7534	\$ 9,906	3,721	\$ 0.8139	\$ 3,029	-	\$ -	\$ -	\$ 3,029
April	3,050	\$ 2.7534	\$ 8,397	3,050	\$ 0.8139	\$ 2,482	-	\$ -	\$ -	\$ 2,482
May	2,207	\$ 2.7534	\$ 6,077	2,293	\$ 0.8139	\$ 1,866	-	\$ -	\$ -	\$ 1,866
June	3,011	\$ 2.7534	\$ 8,290	3,011	\$ 0.8139	\$ 2,451	-	\$ -	\$ -	\$ 2,451
July	3,658	\$ 2.7534	\$ 10,072	3,658	\$ 0.8139	\$ 2,977	-	\$ -	\$ -	\$ 2,977
August	3,250	\$ 2.7534	\$ 8,949	3,250	\$ 0.8139	\$ 2,645	-	\$ -	\$ -	\$ 2,645
September	3,048	\$ 2.7534	\$ 8,392	3,048	\$ 0.8139	\$ 2,481	-	\$ -	\$ -	\$ 2,481
October	2,697	\$ 2.7534	\$ 7,425	2,697	\$ 0.8139	\$ 2,195	-	\$ -	\$ -	\$ 2,195
November	2,799	\$ 2.7534	\$ 7,707	2,799	\$ 0.8139	\$ 2,278	-	\$ -	\$ -	\$ 2,278
December	2,998	\$ 2.7534	\$ 8,254	2,998	\$ 0.8139	\$ 2,440	-	\$ -	\$ -	\$ 2,440
<b>Total</b>	38,816	\$ 2.75	\$ 106,877	39,089	\$ 0.81	\$ 31,814	-	\$ -	\$ -	\$ 31,814

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	9,500	\$ 2.4605	\$ 23,376	9,500	\$ 1.9627	\$ 18,646	-	\$ -	\$ -	\$ 18,646
February	10,084	\$ 2.4605	\$ 24,812	10,228	\$ 1.9627	\$ 20,074	-	\$ -	\$ -	\$ 20,074
March	9,721	\$ 2.4605	\$ 23,920	9,862	\$ 1.9627	\$ 19,356	-	\$ -	\$ -	\$ 19,356
April	9,496	\$ 2.4605	\$ 23,364	9,608	\$ 1.9627	\$ 18,857	-	\$ -	\$ -	\$ 18,857
May	8,820	\$ 2.4605	\$ 21,702	8,990	\$ 1.9627	\$ 17,645	-	\$ -	\$ -	\$ 17,645
June	8,291	\$ 2.4605	\$ 20,399	8,291	\$ 1.9627	\$ 16,272	-	\$ -	\$ -	\$ 16,272
July	9,798	\$ 2.4605	\$ 24,107	9,897	\$ 1.9627	\$ 19,426	-	\$ -	\$ -	\$ 19,426
August	12,439	\$ 2.4605	\$ 30,607	12,439	\$ 1.9627	\$ 24,415	-	\$ -	\$ -	\$ 24,415
September	10,337	\$ 2.4605	\$ 25,435	10,337	\$ 1.9627	\$ 20,289	-	\$ -	\$ -	\$ 20,289
October	9,902	\$ 2.4605	\$ 24,365	9,902	\$ 1.9627	\$ 19,435	-	\$ -	\$ -	\$ 19,435
November	9,965	\$ 2.4605	\$ 24,520	10,577	\$ 1.9627	\$ 20,760	-	\$ -	\$ -	\$ 20,760
December	9,463	\$ 2.4605	\$ 23,284	9,463	\$ 1.9627	\$ 18,573	-	\$ -	\$ -	\$ 18,573
<b>Total</b>	117,818	\$ 2.46	\$ 289,891	119,095	\$ 1.96	\$ 233,749	-	\$ -	\$ -	\$ 233,749



# 2021 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2021 Uniform Transmission Rates and Hydro One Sub-transmission Rates are applied against historical 2019 transmission units.

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	220,121	\$ 3.82	841,521	237,108	\$ 1.00	237,901	32,505	\$ 2.28	74,078	\$ 311,980
February	216,783	\$ 3.81	826,716	232,946	\$ 1.01	234,395	33,051	\$ 2.27	75,096	\$ 309,491
March	213,542	\$ 3.82	815,811	218,222	\$ 1.01	219,963	31,577	\$ 2.28	71,844	\$ 291,807
April	188,324	\$ 3.81	718,183	203,913	\$ 1.01	206,012	29,525	\$ 2.28	67,206	\$ 273,218
May	171,385	\$ 3.81	653,683	190,342	\$ 1.01	192,339	26,634	\$ 2.27	60,445	\$ 252,784
June	230,114	\$ 3.84	883,917	233,418	\$ 1.00	233,370	28,759	\$ 2.28	65,496	\$ 298,866
July	259,448	\$ 3.84	995,203	271,510	\$ 1.00	271,572	30,765	\$ 2.27	69,716	\$ 341,287
August	241,615	\$ 3.82	922,107	255,424	\$ 1.01	258,607	30,768	\$ 2.27	69,822	\$ 328,429
September	228,200	\$ 3.83	872,932	230,556	\$ 1.01	232,480	28,170	\$ 2.27	63,861	\$ 296,341
October	209,851	\$ 3.82	802,406	222,802	\$ 1.01	224,627	28,386	\$ 2.27	64,451	\$ 289,078
November	207,390	\$ 3.82	792,265	210,059	\$ 1.01	212,901	29,886	\$ 2.27	67,910	\$ 280,811
December	205,583	\$ 3.82	785,617	218,293	\$ 1.01	219,713	30,281	\$ 2.27	68,758	\$ 288,471
<b>Total</b>	<b>2,592,356</b>	<b>\$ 3.82</b>	<b>\$ 9,910,361</b>	<b>2,724,592</b>	<b>\$ 1.01</b>	<b>\$ 2,743,878</b>	<b>360,308</b>	<b>\$ 2.27</b>	<b>\$ 818,685</b>	<b>\$ 3,562,562</b>

# 2021 RTSR Workform for Electricity Distributors

The purpose of this sheet 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	0.0073	421,135,785		3,074,291	30.2%	2,992,583	0.0071
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	205,190,785		1,395,297	13.7%	1,358,213	0.0066
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7777	0	609,147	1,692,029	16.6%	1,647,058	2.7039
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.9504	0	688,078	2,030,104	19.9%	1,976,148	2.8720
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9464	0	473,807	1,396,024	13.7%	1,358,921	2.8681
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2665	0	169,281	552,956	5.4%	538,260	3.1797
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	2,871,384		19,525	0.2%	19,006	0.0066
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kW	2.0950	0	9,891	20,722	0.2%	20,171	2.0393

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	0.0026	421,135,785		1,094,953	29.9%	1,066,428	0.0025
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024	205,190,785		492,458	13.5%	479,629	0.0023
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.9053	0	609,147	551,461	15.1%	537,095	0.8817
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1306	0	688,078	777,940	21.3%	757,674	1.1011
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.1295	0	473,807	535,165	14.6%	521,223	1.1001
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1346	0	169,281	192,066	5.3%	187,063	1.1050
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024	2,871,384		6,891	0.2%	6,712	0.0023
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6996	0	9,891	6,920	0.2%	6,739	0.6814

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	0.0071	421,135,785		2,992,583	30.2%	2,992,583	0.0071
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066	205,190,785		1,358,213	13.7%	1,358,213	0.0066
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7039	0	609,147	1,647,058	16.6%	1,647,058	2.7039
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.8720	0	688,078	1,976,148	19.9%	1,976,148	2.8720
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.8681	0	473,807	1,358,921	13.7%	1,358,921	2.8681
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1797	0	169,281	538,260	5.4%	538,260	3.1797
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066	2,871,384		19,006	0.2%	19,006	0.0066
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate - Network Service Rate	\$/kW	2.0393	0	9,891	20,171	0.2%	20,171	2.0393

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	0.0025	421,135,785		1,066,428	29.9%	1,066,428	0.0025
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023	205,190,785		479,629	13.5%	479,629	0.0023
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.8817	0	609,147	537,095	15.1%	537,095	0.8817
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1011	0	688,078	757,674	21.3%	757,674	1.1011
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.1001	0	473,807	521,223	14.6%	521,223	1.1001
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1050	0	169,281	187,063	5.3%	187,063	1.1050
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023	2,871,384		6,712	0.2%	6,712	0.0023
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6814	0	9,891	6,739	0.2%	6,739	0.6814



## **ATTACHMENT 8-3**

# **TARIFF SCHEDULE AND BILL IMPACT MODEL**

**Instructions for Tabs 3 to 7**

Tab	Tab Details	Step	Details
3 - Continuity Schedule	This tab is the continuity schedule that shows all the accounts and the accumulation of the balances a utility has.	1	Complete the DVA continuity schedule.  For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2017 rate application, DVA balances as at December 31, 2015 were approved for disposition, start the continuity schedule from 2015 by entering the closing 2014 balances in the Adjustments column under 2014.  For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2016 regardless of whether the account is being requested for disposition in the current application. 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 (2014) would have information starting in 2014, when the relevant balances approved for disposition were first transferred into Account 1595 (2014). The DVA continuity schedule currently starts from 2011, if a utility has an Account 1595 with a vintage year prior to 2011, then a separate schedule should be provided starting from the vintage year.
		2a	If you had any Class A customers at any point during the period that the Account 1589 GA balance accumulated (e.g. last disposition was for 2014 balances in the 2016 rate application, current balance requested for disposition accumulated from 2015 to 2016), check off the checkbox in cell BP13.  If the checkbox is not checked off, then proceed to tab 4 and complete the tab as needed. Tab 5 will be calculated accordingly. Then proceed to tabs 6.1 and 7, complete the tabs as needed and the appropriate rate riders will be calculated. If the checkbox is checked off, tab 6 relating to Class A customer consumption will be generated, see step 5 to 8 below for further details.
		2b	If the checkbox in step 2a is checked off, another checkbox will pop up to the right of the checkbox. If you had any Class A customers at any point during the period that the Account 1580, sub-account CBR Class B balance accumulated (i.e. 2015 and 2016 or 2016), check off the checkbox.  If the checkbox is not checked off, 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.  If the checkbox is checked off, then tab 6.2 will 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. See step 11 below for further details.
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	3	Confirm the accuracy of the RRR data used to populate the tab.
		4	Review the disposition threshold calculation. If the threshold disposition is not met, select whether disposition is still being requested or not in the drop down box.
6 - Class A Data Consumption	This is a new tab that is to be completed if there were any Class A customers at any point during the period the GA balance accumulated. The tab also considers Class A/B transition customers. 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).	5	This tab is generated when the utility checks in tab 3 that they have Class A customers during the period that GA balance accumulated. Under #1, enter the year the Account 1589 GA balance was last disposed.
		6	Under #2a, indicate whether you had any customers that transitioned between Class A and B during the period the Account 1589 GA balance accumulated. If no, proceed to #3b in step 8. If yes, #2b and tab 6.1a will be generated. Proceed to #2b. Under #2b, indicate whether you had any customers that transitioned between Class A and B during the period the Account 1580, sub-account CBR Class B balance accumulated. If no, proceed to #3a in step 7. If yes, tab 6.2a will be generated. Proceed to #3a in step 7.
		7	Under #3a, enter the number of transition customers during the period the Account 1589 GA balance 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. Each transition customer identified in tab 6, table 3a will assigned a customer number and the number will correspond to the same transition customer populated in tabs 6.1a and 6.2a. The data in tab 6 will also be used in the calculation of billing determinants in the allocation of GA and CBR Class B balances to the rate classes, as applicable.
		8	Under #3b, enter the number of customers who were Class A customers during the entire period the Account 1589 GA balance accumulated (i.e. did not transition between Class A and B during the period). A table will be generated based on the number of customers. Complete the table accordingly for each Class A customer identified. This data will be used in the calculation of billing determinants in the allocation of GA and CBR Class B balances to the rate classes, as applicable.
6.1a - GA Allocation	This tab has been revised. It 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 who contributed to the GA balance but are now Class A customers and former Class A customers who are now Class B customers contributing to the GA balance).	9	This tab is generated when the utility indicates that they have transition customers in tab 6, #2a during the period where the Account 1589 GA balance accumulated.  In row 20, enter the total Class B consumption which equals to Non-RPP consumption less WMP consumption and consumption for Class A customers (who were Class A for partial and full year).  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).	10	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.
6.2 - CBR	This is a new tab that 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.	11	This tab is generated when the utility checks in tab 3 that they have Class A customers during the period that Account 1580, sub-account CBR Class B balance accumulated. Select one of two options pertaining to the years in which the CBR Class B balance accumulated, either 2015 and 2016, or 2016 only in cell B13.  The rest of the information in the tab is auto-populated and the CBR Class B rate riders are calculated accordingly based on whether there were any transition customers during the period that the CBR Class B balance accumulated.
	This is a new tab that allocates the CBR Class B balance to each transition customer for the period in which these customers were Class B customers and contributed to	12	This tab is generated when the utility indicates that they have transition customers in tab 6, #2b during the period where the CBR Class B balance accumulated.  In row 20, enter the total Class B consumption which equals to total consumption less WMP consumption and consumption for Class A customers (who were Class A for partial and full year).

6.2a - CBR_B Allocation	the CBR Class B balance (i.e. former Class B customers who contributed to the balance but are now Class A customers and former Class A customers who are now Class B contributing to the balance).		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. Note that the transition customers identified for the GA may be different than the transition customers for CBR Class B as this would depend on the period in which the GA and CBR Class B balances accumulated. All transition customers who are allocated a specific CBR Class B amount are not to be charged the general CBR Class B 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).	13	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)	14	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

# Tariff Schedule and Bill Impacts Model (2021 Cost of Service Filers)

Version

1.0

Utility Name Waterloo North Hydro Inc.

Assigned EB Number EB-2020-0059

Name of Contact and Title Albert P. Singh, VP Finance & CFO

Phone Number 519-888-5542

Email Address asingh@wnhydro.com

We are applying for rates effective January 1, 2021

Rate-Setting Method Annual IR Index

Please indicate the last Cost of Service Re-Basing Year 2016

## 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.
- ☐ Pale grey cell represent auto-populated RRR data
- ☐ White cells contain fixed values, automatically generated values or formulae.

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

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



# Tariff Schedule and Bill Impacts Model

## Waterloo North Hydro Inc.

### TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2020

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

EB-2019-0071

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. 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	\$	32.05
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020		
Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0006
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0073
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0026

## 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





# Tariff Schedule and Bill Impacts Model

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. 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	\$	33.71
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0168
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020		
Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024

### 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



# Tariff Schedule and Bill Impacts Model

## GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. 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. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

### 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	\$	125.96
Distribution Volumetric Rate	\$/kW	5.3438
Low Voltage Service Rate	\$/kW	0.0738
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	\$/kW	0.1629
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.1251
Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7777
Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.9504
Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9464
Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.9053
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1306



Ontario Energy Board

# Tariff Schedule and Bill Impacts Model

Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW) \$/kW 1.1295

## 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



# Tariff Schedule and Bill Impacts Model

## LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. 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	\$	7,359.96
Distribution Volumetric Rate	\$/kW	4.2410
Low Voltage Service Rate	\$/kW	0.0925
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020		
Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.4253
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2665
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1346

## 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



## Tariff Schedule and Bill Impacts Model

### UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 (per connection)	\$	11.20
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024

### 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



## Tariff Schedule and Bill Impacts Model

### STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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 (per connection)	\$	0.35
Distribution Volumetric Rate	\$/kW	9.8917
Low Voltage Service Rate	\$/kW	0.0570
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020		
Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.2362
Retail Transmission Rate - Network Service Rate	\$/kW	2.0950
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6996

### 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



# Tariff Schedule and Bill Impacts Model

## 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.

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	\$	5.40
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# Tariff Schedule and Bill Impacts Model

## EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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

Distribution Volumetric Rate	\$/kW	0.0211
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020		
Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.3168

### 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

## 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

### 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 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.

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.

### Customer Administration

Easement letter	\$	15.00
Notification charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00





# Tariff Schedule and Bill Impacts Model

Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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

## Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50
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# Tariff Schedule and Bill Impacts Model

## RETAIL SERVICE CHARGES (if applicable)

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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	\$	102.00
Monthly Fixed Charge, per retailer	\$	40.80
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
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)	\$	4.08
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)	\$	2.04

### 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	1.0362
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0047



# Tariff Schedule and Bill Impacts Model (2021 Cost of Service 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, 2020	January 1, 2021
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)	\$	0.25	0.25

## Time-of-Use RPP Prices

As of	November 1, 2019
Off-Peak	\$/kWh 0.1010
Mid-Peak	\$/kWh 0.1440
On-Peak	\$/kWh 0.2080

## Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	\$	0.57
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Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):

\$	36.86
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## 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	\$	44.50	2.00%	45.39

## 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	\$	102.00	2.00%	104.04
Monthly fixed charge, per retailer	\$	40.80	2.00%	41.62
Monthly variable charge, per customer, per retailer	\$/cust.	1.02	2.00%	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61	2.00%	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	-0.61	2.00%	-0.62
Service Transaction Requests (STR)				0
Request fee, per request, applied to the requesting party	\$	0.51	2.00%	0.52
Processing fee, per request, applied to the requesting party	\$	1.02	2.00%	1.04
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)	\$	4.08	2.00%	4.16
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)	\$	2.04	2.00%	2.08

\* inflation factor subject to change pending OEB approved inflation rate effective in 2021

\*\* 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

## Tariff Schedule and Bill Impacts Model (2021 Cost of Service Filers)

In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the proposed rate rider cannot be found in the drop-down list, enter the rate rider description in the green cell provided in column A. The rate rider description must begin with "Rate Rider for". Please note that the following rates/charges are to be entered in the Final Tariff Schedule tab: Monthly Service Charge, Distribution Volumetric Rate and Retail Transmission Rates.

In column B, select the associated unit from the drop-down list.

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, 2020) 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, choose the sub-total as applicable in the bill impact calculation from the drop-down list for any rate riders entered in the green cells. The sub-total will be populated for the rate riders selected in the blue cells.

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0059

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. 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	\$	34.34
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$	(1.59)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0003
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	0.0012
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0025

## 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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0059

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. 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	\$	36.12
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0004
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	0.0005
Distribution Volumetric Rate	\$/kWh	0.0180
Low Voltage Service Rate	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023

### 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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0059

## GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. 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. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

### 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	\$	134.98
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for Disposition of Deferral/Variance Accounts Applicable only for Non-Wholesale Market Participants - effective until December 31, 2021	\$/kWh	(0.0001)
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)

# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

**EB-2020-0059**

Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	0.0012
Distribution Volumetric Rate	\$/kW	5.7042
Low Voltage Service Rate	\$/kW	0.1226
 Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	 \$/kW	 2.7039
Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.8720
Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.8681
Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.8817
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1001
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.1050

#### **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



# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0059

## LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. 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	\$	7,886.68
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	(0.0001)
Distribution Volumetric Rate	\$/kW	4.5445
Low Voltage Service Rate	\$/kW	0.1537
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1797
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1050

## MONTHLY RATES AND CHARGES - Regulatory Component

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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**EB-2020-0059**

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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0059

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 (per connection)	\$	11.88
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Distribution Volumetric Rate	\$/kWh	0.0147
Low Voltage Service Rate	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023

### 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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0059

## STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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 (per connection)	\$	0.38
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0004
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Distribution Volumetric Rate	\$/kW	10.5989
Low Voltage Service Rate	\$/kW	0.0948
Retail Transmission Rate - Network Service Rate	\$/kW	2.0393
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6814

### 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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0059

## **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.

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
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**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0059

## EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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

Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Distribution Volumetric Rate	\$/kW	0.0215

### 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

## 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

### 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 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.

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0059

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.

**Customer Administration**

Easement letter	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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	\$	130.00
Reconnection at meter - after regular hours	\$	335.00
Reconnection at pole/transformer - during regular hours	\$	310.00
Reconnection at pole/transformer - after regular hours	\$	685.00

**Other**

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50
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**RETAIL SERVICE CHARGES (if applicable)****APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code 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	\$	104.04
Monthly Fixed Charge, per retailer	\$	41.62
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.52
Processing fee, per request, applied to the requesting party	\$	1.04
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		

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2020-0059

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)	\$	4.16

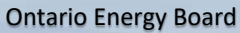
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.08
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## LOSS FACTORS

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	1.0353
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0136
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0250
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036





## Tariff Schedule and Bill Impacts Model (2021 Cost of Service 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 May 2017 of \$0.1101/kWh (IESO's Monthly Market Report for May 2017, page 22) 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

[illegible]

### Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0362		
Proposed/Approved Loss Factor	1.0353		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 32.05	1	\$ 32.05	\$ 34.34	1	\$ 34.34	\$ 2.29	7.15%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ (1.59)	1	\$ (1.59)	\$ (1.59)	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 32.05			\$ 32.75	\$ 0.70	2.18%
Line Losses on Cost of Power	\$ 0.1276	27	\$ 3.46	\$ 0.1276	26	\$ 3.38	\$ (0.09)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.0006	750	\$ 0.45	\$ 0.0003	750	\$ 0.23	\$ (0.23)	-50.00%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0004	750	\$ 0.30	\$ 0.15	100.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		750	\$ -	\$ 0.0012	750	\$ 0.90	\$ 0.90	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 36.68			\$ 38.12	\$ 1.44	3.92%
RTSR - Network	\$ 0.0073	777	\$ 5.67	\$ 0.0071	776	\$ 5.51	\$ (0.16)	-2.82%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0026	777	\$ 2.02	\$ 0.0025	776	\$ 1.94	\$ (0.08)	-3.93%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 44.38			\$ 45.58	\$ 1.20	2.70%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	777	\$ 2.64	\$ 0.0034	776	\$ 2.64	\$ (0.00)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	777	\$ 0.39	\$ 0.0005	776	\$ 0.39	\$ (0.00)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	488	\$ 49.24	\$ 0.1010	488	\$ 49.24	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	128	\$ 18.36	\$ 0.1440	128	\$ 18.36	\$ -	0.00%
TOU - On Peak	\$ 0.2080	135	\$ 28.08	\$ 0.2080	135	\$ 28.08	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 143.34			\$ 144.53	\$ 1.20	0.83%
HST 13%			\$ 18.63	13%		\$ 18.79	\$ 0.16	0.83%
Ontario Electricity Rebate 31.8%			\$ (45.58)	31.8%		\$ (45.96)	\$ (0.38)	
<b>Total Bill on TOU</b>			\$ 116.39			\$ 117.36	\$ 0.97	0.83%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0362		
Proposed/Approved Loss Factor	1.0353		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 33.71	1	\$ 33.71	\$ 36.12	1	\$ 36.12	\$ 2.41	7.15%
Distribution Volumetric Rate	\$ 0.0168	2000	\$ 33.60	\$ 0.0180	2000	\$ 36.00	\$ 2.40	7.14%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 67.31</b>			<b>\$ 72.12</b>	<b>\$ 4.81</b>	<b>7.15%</b>
Line Losses on Cost of Power	\$ 0.1276	72	\$ 9.24	\$ 0.1276	71	\$ 9.01	\$ (0.23)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.0007	2,000	\$ 1.40	\$ 0.0004	2,000	\$ 0.80	\$ (0.60)	-42.86%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0003	2,000	\$ 0.60	\$ 0.20	50.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		2,000	\$ -	\$ 0.0005	2,000	\$ 1.00	\$ 1.00	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 78.92</b>			<b>\$ 84.10</b>	<b>\$ 5.18</b>	<b>6.56%</b>
RTSR - Network	\$ 0.0068	2,072	\$ 14.09	\$ 0.0066	2,071	\$ 13.67	\$ (0.43)	-3.03%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0024	2,072	\$ 4.97	\$ 0.0023	2,071	\$ 4.76	\$ (0.21)	-4.25%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 97.98</b>			<b>\$ 102.52</b>	<b>\$ 4.54</b>	<b>4.64%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,072	\$ 7.05	\$ 0.0034	2,071	\$ 7.04	\$ (0.01)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,072	\$ 1.04	\$ 0.0005	2,071	\$ 1.04	\$ (0.00)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	1,300	\$ 131.30	\$ 0.1010	1,300	\$ 131.30	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	340	\$ 48.96	\$ 0.1440	340	\$ 48.96	\$ -	0.00%
TOU - On Peak	\$ 0.2080	360	\$ 74.88	\$ 0.2080	360	\$ 74.88	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 361.45</b>			<b>\$ 365.99</b>	<b>\$ 4.54</b>	<b>1.25%</b>
HST	13%		\$ 46.99	13%		\$ 47.58	\$ 0.59	1.25%
Ontario Electricity Rebate	31.8%		\$ (114.94)	31.8%		\$ (116.38)	\$ (1.44)	
<b>Total Bill on TOU</b>			<b>\$ 293.50</b>			<b>\$ 297.18</b>	<b>\$ 3.68</b>	<b>1.25%</b>

In the manager's summary, discuss the reason

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	100,000	kWh	
Demand	250	kW	
Current Loss Factor	1.0362		
Proposed/Approved Loss Factor	1.0353		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 125.96	1	\$ 125.96	\$ 134.98	1	\$ 134.98	\$ 9.02	7.16%
Distribution Volumetric Rate	\$ 5.3438	250	\$ 1,335.95	\$ 5.7042	250	\$ 1,426.05	\$ 90.10	6.74%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	250	\$ -	\$ -	250	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 1,461.91</b>			<b>\$ 1,561.03</b>	<b>\$ 99.12</b>	<b>6.78%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.2880	250	\$ 72.00	\$ 0.0004	250	\$ 0.10	\$ (71.90)	-99.86%
CBR Class B Rate Riders	\$ -	250	\$ -	\$ -	250	\$ -	\$ -	
GA Rate Riders	\$ (0.0007)	100,000	\$ (70.00)	\$ 0.0001	100,000	\$ 10.00	\$ 80.00	-114.29%
Low Voltage Service Charge	\$ 0.0738	250	\$ 18.45	\$ 0.1226	250	\$ 30.65	\$ 12.20	66.12%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		250	\$ -	\$ (0.0013)	250	\$ (0.33)	\$ (0.33)	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 1,482.36</b>			<b>\$ 1,601.46</b>	<b>\$ 119.10</b>	<b>8.03%</b>
RTSR - Network	\$ 2.7777	250	\$ 694.43	\$ 2.7039	250	\$ 675.98	\$ (18.45)	-2.66%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.9053	250	\$ 226.33	\$ 0.8817	250	\$ 220.43	\$ (5.90)	-2.61%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 2,403.11</b>			<b>\$ 2,497.86</b>	<b>\$ 94.75</b>	<b>3.94%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	103,620	\$ 352.31	\$ 0.0034	103,530	\$ 352.00	\$ (0.31)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	103,620	\$ 51.81	\$ 0.0005	103,530	\$ 51.77	\$ (0.04)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	103,620	\$ 11,408.56	\$ 0.1101	103,530	\$ 11,398.65	\$ (9.91)	-0.09%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 14,216.04</b>			<b>\$ 14,300.53</b>	<b>\$ 84.49</b>	<b>0.59%</b>
HST	13%		\$ 1,848.09	13%		\$ 1,859.07	\$ 10.98	0.59%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 16,064.13</b>			<b>\$ 16,159.59</b>	<b>\$ 95.47</b>	<b>0.59%</b>

Customer Class:	<b>LARGE USE SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	<b>Non-RPP (Other)</b>	
Consumption	<b>8,000,000</b>	kWh
Demand	<b>14,500</b>	kW
Current Loss Factor	<b>1.0047</b>	
Proposed/Approved Loss Factor	<b>1.0036</b>	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 7,359.96	1	\$ 7,359.96	\$ 7,886.68	1	\$ 7,886.68	\$ 526.72	7.16%
Distribution Volumetric Rate	\$ 4.2410	14500	\$ 61,494.50	\$ 4.5445	14500	\$ 65,895.25	\$ 4,400.75	7.16%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	14500	\$ -	\$ -	14500	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 68,854.46</b>			<b>\$ 73,781.93</b>	<b>\$ 4,927.47</b>	<b>7.16%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.4253	14,500	\$ 6,166.85	\$ 0.0005	14,500	\$ 7.25	\$ (6,159.60)	-99.88%
CBR Class B Rate Riders	\$ -	14,500	\$ -	\$ -	14,500	\$ -	\$ -	
GA Rate Riders	\$ (0.0007)	8,000,000	\$ (5,600.00)	\$ -	8,000,000	\$ -	\$ 5,600.00	-100.00%
Low Voltage Service Charge	\$ 0.0925	14,500	\$ 1,341.25	\$ 0.1537	14,500	\$ 2,228.65	\$ 887.40	66.16%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		14,500	\$ -	\$ (0.0026)	14,500	\$ (37.70)	\$ (37.70)	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 70,762.56</b>			<b>\$ 75,980.13</b>	<b>\$ 5,217.57</b>	<b>7.37%</b>
RTSR - Network	\$ 3.2665	14,500	\$ 47,364.25	\$ 3.1797	14,500	\$ 46,105.65	\$ (1,258.60)	-2.66%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.1346	14,500	\$ 16,451.70	\$ 1.1050	14,500	\$ 16,022.50	\$ (429.20)	-2.61%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 134,578.51</b>			<b>\$ 138,108.28</b>	<b>\$ 3,529.77</b>	<b>2.62%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	8,037,600	\$ 27,327.84	\$ 0.0034	8,028,800	\$ 27,297.92	\$ (29.92)	-0.11%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	8,037,600	\$ 4,018.80	\$ 0.0005	8,028,800	\$ 4,014.40	\$ (4.40)	-0.11%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	8,037,600	\$ 884,939.76	\$ 0.1101	8,028,800	\$ 883,970.88	\$ (968.88)	-0.11%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 1,050,865.16</b>			<b>\$ 1,053,391.73</b>	<b>\$ 2,526.57</b>	<b>0.24%</b>
HST	13%		\$ 136,612.47	13%		\$ 136,940.92	\$ 328.45	0.24%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 1,187,477.63</b>			<b>\$ 1,190,332.65</b>	<b>\$ 2,855.02</b>	<b>0.24%</b>

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	150	kWh	
Demand	-	kW	
Current Loss Factor	1.0362		
Proposed/Approved Loss Factor	1.0353		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.20	1	\$ 11.20	\$ 11.88	1	\$ 11.88	\$ 0.68	6.07%
Distribution Volumetric Rate	\$ 0.0139	150	\$ 2.09	\$ 0.0147	150	\$ 2.21	\$ 0.12	5.76%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 13.29			\$ 14.09	\$ 0.80	6.02%
Line Losses on Cost of Power	\$ 0.1276	5	\$ 0.69	\$ 0.1276	5	\$ 0.68	\$ (0.02)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.0007	150	\$ 0.11	\$ 0.0005	150	\$ 0.08	\$ (0.03)	-28.57%
CBR Class B Rate Riders	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	
GA Rate Riders	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	150	\$ 0.03	\$ 0.0003	150	\$ 0.05	\$ 0.02	50.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		150	\$ -	\$ (0.0025)	150	\$ (0.38)	\$ (0.38)	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 14.11			\$ 14.51	\$ 0.39	2.78%
RTSR - Network	\$ 0.0068	155	\$ 1.06	\$ 0.0066	155	\$ 1.02	\$ (0.03)	-3.03%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0024	155	\$ 0.37	\$ 0.0023	155	\$ 0.36	\$ (0.02)	-4.25%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 15.54			\$ 15.89	\$ 0.34	2.22%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	155	\$ 0.53	\$ 0.0034	155	\$ 0.53	\$ (0.00)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	155	\$ 0.08	\$ 0.0005	155	\$ 0.08	\$ (0.00)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	98	\$ 9.85	\$ 0.1010	98	\$ 9.85	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	26	\$ 3.67	\$ 0.1440	26	\$ 3.67	\$ -	0.00%
TOU - On Peak	\$ 0.2080	27	\$ 5.62	\$ 0.2080	27	\$ 5.62	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 35.53			\$ 35.88	\$ 0.34	0.97%
HST	13%		\$ 4.62	13%		\$ 4.66	\$ 0.04	0.97%
Ontario Electricity Rebate	31.8%		\$ (11.30)	31.8%		\$ (11.41)	\$ (0.11)	
<b>Total Bill on TOU</b>			\$ 28.85			\$ 29.13	\$ 0.28	0.97%

In the manager's summary, discuss the reason

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	50	kWh	
Demand	-	kW	
Current Loss Factor	1.0362		
Proposed/Approved Loss Factor	1.0353		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 0.35	1	\$ 0.35	\$ 0.38	1	\$ 0.38	\$ 0.03	8.57%
Distribution Volumetric Rate	\$ 9.8917	50	\$ 494.59	\$ 10.5989	50	\$ 529.95	\$ 35.36	7.15%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	50	\$ -	\$ -	50	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 494.94</b>			<b>\$ 530.33</b>	<b>\$ 35.39</b>	<b>7.15%</b>
Line Losses on Cost of Power	\$ 0.1101	2	\$ 0.20	\$ 0.1101	2	\$ 0.19	\$ (0.00)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.2362	50	\$ 11.81	\$ 0.0004	50	\$ 0.02	\$ (11.79)	-99.83%
CBR Class B Rate Riders	\$ -	50	\$ -	\$ -	50	\$ -	\$ -	
GA Rate Riders	\$ (0.0007)	50	\$ (0.04)	\$ 0.0001	50	\$ 0.01	\$ 0.04	-114.29%
Low Voltage Service Charge	\$ 0.0570	50	\$ 2.85	\$ 0.0948	50	\$ 4.74	\$ 1.89	66.32%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		50	\$ -	\$ (0.0025)	50	\$ (0.13)	\$ (0.13)	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 509.76</b>			<b>\$ 535.16</b>	<b>\$ 25.40</b>	<b>4.98%</b>
RTSR - Network	\$ 2.0950	52	\$ 108.54	\$ 2.0393	52	\$ 105.56	\$ (2.98)	-2.74%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.6996	52	\$ 36.25	\$ 0.6814	52	\$ 35.27	\$ (0.97)	-2.69%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 654.55</b>			<b>\$ 676.00</b>	<b>\$ 21.45</b>	<b>3.28%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	52	\$ 0.18	\$ 0.0034	52	\$ 0.18	\$ (0.00)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	52	\$ 0.03	\$ 0.0005	52	\$ 0.03	\$ (0.00)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	50	\$ 5.51	\$ 0.1101	50	\$ 5.51	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 660.50</b>			<b>\$ 681.95</b>	<b>\$ 21.45</b>	<b>3.25%</b>
HST	13%		\$ 85.87	13%		\$ 88.65	\$ 2.79	3.25%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 746.37</b>			<b>\$ 770.61</b>	<b>\$ 24.24</b>	<b>3.25%</b>



Customer Class:	<b>EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	<b>Non-RPP (Other)</b>	
Consumption	2,615,000	kWh
Demand	6,000	kW
Current Loss Factor	1.0362	
Proposed/Approved Loss Factor	1.0353	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0211	6000	\$ 126.60	\$ 0.0215	6000	\$ 129.00	\$ 2.40	1.90%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	6000	\$ -	\$ -	6000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 126.60</b>			<b>\$ 129.00</b>	<b>\$ 2.40</b>	<b>1.90%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.3168	6,000	\$ 1,900.80	\$ 0.0005	6,000	\$ 3.00	\$ (1,897.80)	-99.84%
CBR Class B Rate Riders	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
GA Rate Riders	\$ (0.0007)	2,615,000	\$ (1,830.50)	\$ 0.0001	2,615,000	\$ 261.50	\$ 2,092.00	-114.29%
Low Voltage Service Charge	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	6,000	\$ -	\$ (0.0025)	6,000	\$ (15.00)	\$ (15.00)	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 196.90</b>			<b>\$ 378.50</b>	<b>\$ 181.60</b>	<b>92.23%</b>
RTSR - Network	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	6,000	\$ -	\$ -	6,000	\$ -	\$ -	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 196.90</b>			<b>\$ 378.50</b>	<b>\$ 181.60</b>	<b>92.23%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,709,663	\$ 9,212.85	\$ 0.0034	2,707,310	\$ 9,204.85	\$ (8.00)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,709,663	\$ 1,354.83	\$ 0.0005	2,707,310	\$ 1,353.65	\$ (1.18)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	2,709,663	\$ 298,333.90	\$ 0.1101	2,707,310	\$ 298,074.78	\$ (259.12)	-0.09%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 309,098.73</b>			<b>\$ 309,012.03</b>	<b>\$ (86.70)</b>	<b>-0.03%</b>
HST	13%		\$ 40,182.84	13%		\$ 40,171.56	\$ (11.27)	-0.03%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 349,281.57</b>			<b>\$ 349,183.60</b>	<b>\$ (97.97)</b>	<b>-0.03%</b>

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	299	kWh	
Demand	-	kW	
Current Loss Factor	1.0362		
Proposed/Approved Loss Factor	1.0353		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 32.05	1	\$ 32.05	\$ 34.34	1	\$ 34.34	\$ 2.29	7.15%
Distribution Volumetric Rate	\$ -	299	\$ -	\$ -	299	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ (1.59)	1	\$ (1.59)	\$ (1.59)	
Volumetric Rate Riders	\$ -	299	\$ -	\$ -	299	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 32.05</b>			<b>\$ 32.75</b>	<b>\$ 0.70</b>	<b>2.18%</b>
Line Losses on Cost of Power	\$ 0.1276	11	\$ 1.38	\$ 0.1276	11	\$ 1.35	\$ (0.03)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.0006	299	\$ 0.18	\$ 0.0003	299	\$ 0.09	\$ (0.09)	-50.00%
CBR Class B Rate Riders	\$ -	299	\$ -	\$ -	299	\$ -	\$ -	
GA Rate Riders	\$ -	299	\$ -	\$ -	299	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	299	\$ 0.06	\$ 0.0004	299	\$ 0.12	\$ 0.06	100.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		299	\$ -	\$ 0.0012	299	\$ 0.36	\$ 0.36	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 34.24</b>			<b>\$ 35.23</b>	<b>\$ 0.99</b>	<b>2.90%</b>
RTSR - Network	\$ 0.0073	310	\$ 2.26	\$ 0.0071	310	\$ 2.20	\$ (0.06)	-2.82%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0026	310	\$ 0.81	\$ 0.0025	310	\$ 0.77	\$ (0.03)	-3.93%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 37.31</b>			<b>\$ 38.21</b>	<b>\$ 0.90</b>	<b>2.41%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	310	\$ 1.05	\$ 0.0034	310	\$ 1.05	\$ (0.00)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	310	\$ 0.15	\$ 0.0005	310	\$ 0.15	\$ (0.00)	-0.09%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	194	\$ 19.63	\$ 0.1010	194	\$ 19.63	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	51	\$ 7.32	\$ 0.1440	51	\$ 7.32	\$ -	0.00%
TOU - On Peak	\$ 0.2080	54	\$ 11.19	\$ 0.2080	54	\$ 11.19	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 76.91</b>			<b>\$ 77.81</b>	<b>\$ 0.90</b>	<b>1.17%</b>
HST	13%		\$ 10.00	13%		\$ 10.11	\$ 0.12	1.17%
Ontario Electricity Rebate	31.8%		\$ (24.46)	31.8%		\$ (24.74)	\$ (0.29)	
<b>Total Bill on TOU</b>			<b>\$ 62.45</b>			<b>\$ 63.18</b>	<b>\$ 0.73</b>	<b>1.17%</b>

Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	<b>Non-RPP (Retailer)</b>	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0362	
Proposed/Approved Loss Factor	1.0353	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 32.05	1	\$ 32.05	\$ 34.34	1	\$ 34.34	\$ 2.29	7.15%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ (1.59)	1	\$ (1.59)	\$ (1.59)	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 32.05			\$ 32.75	\$ 0.70	2.18%
Line Losses on Cost of Power	\$ 0.1101	27	\$ 2.99	\$ 0.1101	26	\$ 2.91	\$ (0.07)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.0006	750	\$ 0.45	\$ 0.0003	750	\$ 0.23	\$ (0.23)	-50.00%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ (0.0007)	750	\$ (0.53)	\$ 0.0001	750	\$ 0.08	\$ 0.60	-114.29%
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0004	750	\$ 0.30	\$ 0.15	100.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		750	\$ -	\$ 0.0012	750	\$ 0.90	\$ 0.90	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 35.68			\$ 37.73	\$ 2.05	5.75%
RTSR - Network	\$ 0.0073	777	\$ 5.67	\$ 0.0071	776	\$ 5.51	\$ (0.16)	-2.82%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0026	777	\$ 2.02	\$ 0.0025	776	\$ 1.94	\$ (0.08)	-3.93%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 43.38			\$ 45.19	\$ 1.81	4.18%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	777	\$ 2.64	\$ 0.0034	776	\$ 2.64	\$ (0.00)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	777	\$ 0.39	\$ 0.0005	776	\$ 0.39	\$ (0.00)	-0.09%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 128.98			\$ 130.79	\$ 1.81	1.40%
HST	13%		\$ 16.77	13%		\$ 17.00	\$ 0.24	1.40%
Ontario Electricity Rebate	31.8%		\$ (41.02)	31.8%		\$ (41.59)	\$ (0.57)	-1.39%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 104.73			\$ 106.20	\$ 1.47	1.40%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0362	
Proposed/Approved Loss Factor	1.0353	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 33.71	1	\$ 33.71	\$ 36.12	1	\$ 36.12	\$ 2.41	7.15%
Distribution Volumetric Rate	\$ 0.0168	2000	\$ 33.60	\$ 0.0180	2000	\$ 36.00	\$ 2.40	7.14%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 67.31			\$ 72.12	\$ 4.81	7.15%
Line Losses on Cost of Power	\$ 0.1101	72	\$ 7.97	\$ 0.1101	71	\$ 7.77	\$ (0.20)	-2.49%
Total Deferral/Variance Account Rate Riders	\$ 0.0007	2,000	\$ 1.40	\$ 0.0004	2,000	\$ 0.80	\$ (0.60)	-42.86%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ (0.0007)	2,000	\$ (1.40)	\$ 0.0001	2,000	\$ 0.20	\$ 1.60	-114.29%
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0003	2,000	\$ 0.60	\$ 0.20	50.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		2,000	\$ -	\$ (0.0020)	2,000	\$ (4.00)	\$ (4.00)	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 76.25			\$ 78.06	\$ 1.81	2.38%
RTSR - Network	\$ 0.0068	2,072	\$ 14.09	\$ 0.0066	2,071	\$ 13.67	\$ (0.43)	-3.03%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0024	2,072	\$ 4.97	\$ 0.0023	2,071	\$ 4.76	\$ (0.21)	-4.25%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 95.32			\$ 96.49	\$ 1.17	1.23%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,072	\$ 7.05	\$ 0.0034	2,071	\$ 7.04	\$ (0.01)	-0.09%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,072	\$ 1.04	\$ 0.0005	2,071	\$ 1.04	\$ (0.00)	-0.09%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	2,000	\$ 220.20	\$ 0.1101	2,000	\$ 220.20	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 323.60			\$ 324.77	\$ 1.17	0.36%
HST 13%			\$ 42.07	13%		\$ 42.22	\$ 0.15	0.36%
Ontario Electricity Rebate 31.8%			\$ (102.90)	31.8%		\$ (103.28)		
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 262.76			\$ 263.71	\$ 0.95	0.36%

In the manager's summary, discuss the reason



## **ATTACHMENT 8-4**

### **2020 CURRENT TARIFF OF RATES**



Ontario  
Energy  
Board | Commission  
de l'énergie  
de l'Ontario

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## **DECISION AND RATE ORDER**

**EB-2019-0071**

**WATERLOO NORTH HYDRO INC.**

**Application for rates and other charges to be effective January 1, 2020**

**By Delegation, Before: Theodore Antonopoulos**

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**December 12, 2019**

## 1 INTRODUCTION AND SUMMARY

Through this Decision and Rate Order, the Ontario Energy Board (OEB) approves the incentive rate-setting mechanism (IRM) application filed by Waterloo North Hydro Inc. (Waterloo North Hydro) for new rates effective January 1, 2020.

Waterloo North Hydro serves approximately 57,000 mostly residential and commercial electricity customers in the City of Waterloo and Townships of Wellesley and Woolwich. The company is seeking the OEB's approval for the rates it charges to distribute electricity to its customers, as is required of licenced and rate-regulated distributors in Ontario.

A distributor may choose one of three rate-setting methodologies approved by the OEB. Each of these is explained in the [Handbook for Utility Rate Applications](#).

Waterloo North Hydro's application is based on a Price Cap Incentive Rate-setting option (Price Cap IR), with a five-year term. The Price Cap IR option involves the setting of rates through a cost of service application in the first year. Mechanistic price cap adjustments, based on inflation and the OEB's assessment of the distributor's efficiency, are typically then approved through IRM applications in each of the ensuing four (adjustment) years.

As a result of the OEB's findings in this Decision, there will be a monthly total bill increase before taxes of \$3.03 for a residential customer consuming 750 kWh, effective January 1, 2020.

## 2 THE PROCESS

This Decision is being issued by delegated authority, without a hearing, under section 6 of the *Ontario Energy Board Act, 1998* (the OEB Act).

The OEB follows a standardized and streamlined process for hearing IRM applications filed under Price Cap IR. In each adjustment year of a Price Cap IR term, the OEB prepares a Rate Generator Model that includes, as a placeholder, information from the distributor's past proceedings and annual reporting requirements.<sup>1</sup> A distributor will then review and complete the Rate Generator Model, and include it with its application.

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<sup>1</sup> The Rate Generator Model is a Microsoft Excel workbook that is used to update base rates, retail transmission service rates and, if applicable, shared tax saving adjustments. It also calculates rate riders for the disposition of deferral and variance account balances. During the course of an IRM proceeding, the Rate Generator Model may be updated in order to make any necessary corrections, or to incorporate new rate-setting parameters as they become available.

Waterloo North Hydro filed its application on August 9, 2019 under section 78 of the OEB Act and in accordance with the Chapter 3 of the OEB's [\*Filing Requirements for Incentive Rate-Setting Applications\*](#) (Filing Requirements) [\*and Addendum to Filing Requirements for Electricity Distribution Rate Applications\*](#).

The application was supported by pre-filed written evidence and a completed Rate Generator Model. During the course of the proceeding, the applicant responded to OEB staff questions through emails and phone calls and, where required, updated and clarified the evidence.

### 3 ORGANIZATION OF THE DECISION

In this Decision, the OEB addresses the following issues, and provides reasons for approving or denying Waterloo North Hydro's proposals relating to each of them:

- Price Cap Adjustment
- Retail Transmission Service Rates
- Group 1 Deferral and Variance Accounts

In the final section, the OEB addresses the steps to implement the final rates that flow from this Decision.

This Decision does not address rates and charges approved by the OEB in previous proceedings, which are not part of the scope of an IRM proceeding (such as specific service charges<sup>2</sup> and loss factors). No further approvals are required to continue to include these items on a distributor's Tariff of Rates and Charges.

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<sup>2</sup> Specific service charges have been amended by the OEB through: the Report of the OEB – "Wireline Pole Attachment Charges", EB-2015-0304, Issued March 22, 2018; and, the Decision and Order on Energy Retail Service Charges EB-2015-0304, Issued on February 14, 2019. Certain Service Charges are subject to annual inflationary adjustments to be determined by the OEB through a generic order. The Decision and Order EB-2019-0280 issued November 28, 2019 for energy retailer service charges, and the cover letter dated November 28, 2019 "Inflation Adjustment for Energy Retailer Service Charges (EB-2019-0280) and Wireline Pole Attachment Charge (EB-2015-0304) for Electricity Distributors", established the adjustments effective January 1, 2020.



## 4 PRICE CAP ADJUSTMENT

Waterloo North Hydro seeks to increase its rates, effective January 1, 2020, based on a mechanistic rate adjustment using the OEB-approved ***inflation minus X-factor*** formula applicable to Price Cap IR applications.

The components of the Price Cap IR adjustment formula applicable to Waterloo North Hydro are set out in Table 4.1, below. Inserting these components into the formula results in a 1.70% increase to Waterloo North Hydro's rates: **1.70% = 2.00% - (0.00% + 0.30%)**.

**Table 4.1: Price Cap IR Adjustment Formula**

Components		Amount
Inflation Factor <sup>3</sup>		2.00%
X-Factor	Productivity <sup>4</sup>	0.00%
	Stretch (0.00% – 0.60%) <sup>5</sup>	0.30%

The inflation factor of 2.00% applies to all Price Cap IR applications for the 2020 rate year.

The X-factor is the sum of the productivity factor and the stretch factor. It is a productivity offset that will vary among different groupings of distributors. Subtracting the X-factor from inflation ensures that rates decline in real, constant-dollar terms, providing distributors with a tangible incentive to improve efficiency or else experience declining net income.

The productivity component of the X-factor is based on industry conditions over a historical study period and applies to all Price Cap IR and Annual IR Index applications for the 2020 rate year.

<sup>3</sup> For the 2020 Inflation Factor, see Ontario Energy Board 2020 Electricity Distribution Rate applications webpage – October 31, 2019.

<sup>4</sup> Report of the OEB – “Rate Setting Parameters and Benchmarking under the Renewed Regulatory Framework for Ontario’s Electricity Distributors” EB-2010-0379, Issued November 21, 2013, corrected December 4, 2013.

<sup>5</sup> The stretch factor groupings are based on the Report to the Ontario Energy Board – “Empirical Research in Support of Incentive Rate-Setting: 2018 Benchmarking Update”, prepared by Pacific Economics Group LLC., August 15, 2019.

The stretch factor component of the X-factor is distributor specific. The OEB has established five stretch factor groupings, each within a range from 0.00% to 0.60%. The stretch factor assigned to any particular distributor is based on the distributor's total cost performance as benchmarked against other distributors in Ontario. The most efficient distributor would be assigned the lowest stretch factor of 0.00%. Conversely, a higher stretch factor would be applied to a less efficient distributor (in accordance with its cost performance relative to expected levels) to reflect the incremental productivity gains that the distributor is expected to achieve. The stretch factor assigned to Waterloo North Hydro is 0.30%.

## Findings

The OEB finds that Waterloo North Hydro's request for a 1.70% rate adjustment is in accordance with the annually updated parameters set by the OEB. The adjustment is approved, and Waterloo North Hydro's new rates shall be effective January 1, 2020.

The adjustment applies to distribution rates (fixed and variable) uniformly across all customer classes.<sup>6</sup>

## 5 RETAIL TRANSMISSION SERVICE RATES

Distributors charge retail transmission service rates (RTSRs) to their customers in order to recover the amounts they pay to a transmitter, a host distributor, or both, for transmission services. All transmitters charge Uniform Transmission Rates (UTRs) to distributors connected to the transmission system. Host distributors charge host-RTSRs to distributors embedded within the host's distribution system. Each of these rates are OEB-approved.

Waterloo North Hydro is partially embedded within Hydro One Networks Inc., Kitchener-Wilmont Hydro Inc. and Energy+ Inc.'s distribution system and is requesting approval to adjust the RTSRs that it charges its customers to reflect the currently approved rates that it pays for transmission services included in Table 5.1, Table 5.2, Table 5.3 and Table 5.4.

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<sup>6</sup> Price Cap IR and Annual IR Index adjustments do not apply to the following rates and charges: rate riders, rate adders, low voltage service charges, retail transmission service rates, wholesale market service rate, smart metering entity charge, rural or remote electricity rate protection charge, standard supply service – administrative charge, transformation and primary metering allowances, loss factors, specific service charges, microFIT charge, and retail service charges.

**Table 5.1: UTRs<sup>7</sup>**

UTRs (2019)	per kW
Network Service Rate	\$3.83
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.96
Transformation Connection Service Rate	\$2.30

**Table 5.2: Hydro One Networks Inc. Sub-Transmission Host-RTSRs<sup>8</sup>**

Sub-Transmission Host RTSRs (2019)	per kW
Network Service Rate	\$3.29
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.79
Transformation Connection Service Rate	\$1.98

**Table 5.3: Kitchener-Wilmont Hydro Inc. Sub-Transmission Host-RTSRs<sup>9</sup>**

Sub-Transmission RTSRs (2019)	per kW
Network Service Rate	\$2.57
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.80

<sup>7</sup> EB-2019-0164, Decision and Order, July 25, 2019.<sup>8</sup> EB-2017-0049, Decision and Order, June 11, 2019.<sup>9</sup> EB-2018-0048, Decision and Rate Order, August 1, 2018.

**Table 5.4: Energy+ Inc. Sub-Transmission Host-RTSRs<sup>10</sup>**

<b>Sub-Transmission RTSRs (2019)</b>	<b>per kW</b>
Network Service Rate	\$2.40
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$2.00

## Findings

Waterloo North Hydro's proposed adjustment to its RTSRs is approved. Waterloo North Hydro RTSRs were adjusted to reflect the OEB-approved UTRs and host-RTSRs.

The differences resulting from the approval of new 2020 UTRs and any applicable host RTSRs will be captured in Accounts RSVA – Retail Transmission Network Charge 1584 and Retail Transmission Connection Charge 1586.

## 6 GROUP 1 DEFERRAL AND VARIANCE ACCOUNTS

In each year of an IRM term, the OEB will review a distributor's Group 1 deferral and variance accounts in order to determine whether their total balance should be disposed.<sup>11</sup> OEB policy requires that Group 1 accounts be disposed if they exceed (as a debit or credit) a pre-set disposition threshold of \$0.001 per kWh, unless a distributor justifies why balances should not be disposed.<sup>12</sup> If the balance does not exceed the threshold, a distributor may elect to request disposition.

The 2018 actual year-end total balance for Waterloo North Hydro's Group 1 accounts including interest projected to December 31, 2019 is a debit of \$671,318. While this amount represents a total debit claim of \$0.0005 per kWh, and does not exceed the

<sup>10</sup> EB-2017-0030, Decision and Rate Order, March 22, 2018 and EB-2018-0028, Decision and Rate Order, August 1, 2019.

<sup>11</sup> Group 1 accounts track the differences between the costs that a distributor is billed for certain IESO and host distributor services (including the cost of power) and the associated revenues that the distributor receives from its customers for these services. The total net difference between these costs and revenues is disposed to customers through a temporary charge or credit known as a rate rider.

<sup>12</sup> Report of the OEB – "Electricity Distributors' Deferral and Variance Account Review Initiative (EDDVAR)." EB-2008-0046, July 31, 2009.

disposition threshold, Waterloo North Hydro has applied to dispose the Group 1 accounts.

*a) Global Adjustment Variance Account*

One of the components of the commodity costs billed by the Independent Electricity System Operator (IESO), which is included in Group 1 accounts, is the Global Adjustment (GA).<sup>13</sup> Different customer groups pay the GA in different ways:

- For Regulated Price Plan (RPP) customers, the GA is incorporated into the standard commodity rates customers pay. Therefore, there is no separate variance account for the GA.
- “Class A” customers are allocated GA costs based on the percentage their demand contributes to the top five Ontario system peaks. As distributors settle with Class A customers based on actual GA costs, there is no resulting variance.
- “Class B” non-RPP customers are billed GA based on the electricity they consume in a month at the IESO published GA price. Distributors track any difference between the billed amounts and actual costs for these customers in the GA Variance Account for disposal, once audited.

Under the general principle of cost causality, customer groups that cause variances which are recorded in Group 1 accounts should be responsible for paying (or receiving credits) for their disposal. A customer’s movement from one group to another should not prevent that customer from paying/receiving a debit/credit balance.

Waterloo North Hydro proposes the disposition of its GA variance account credit balance of \$345,574 as at December 31, 2018, including interest to December 31, 2019, in accordance with the following table.

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<sup>13</sup> The GA is established monthly by the IESO to reflect the difference between the wholesale market price for electricity and regulated rates for:

- Ontario Power Generation’s nuclear and hydroelectric generating stations
- payments for building or refurbishing infrastructure such as gas-fired and renewable facilities and other nuclear
- contracted rates paid to a number of generators across the province
- the cost of delivering conservation programs.

**Table 6.1: Refund of GA Variance**

Proposed Amounts	Proposed Method for Recovery
\$343,004 refunded to customers who were Class B for the entire period from January 2018 to December 2018	per kWh rate rider
\$2,570 refunded to customers formerly in Class B during the period January 2018 to June 2018 who were reclassified to Class A	12 equal installments <sup>14</sup>

*b) Capacity Based Recovery Class B Sub-account*

The balance of the Group 1 accounts includes the Capacity Based Recovery (CBR) sub-account for Class B customers of \$48,893, relating to the IESO's wholesale energy market for the CBR program. Waterloo North Hydro had Class A customers during the period from January, 2018 to December, 2018 but the CBR Class B rate riders calculated rounded to zero at the fourth decimal place in one or more of the rate classes. In this event, the entire Account 1580 sub-account CBR Class B is added to the Account 1580 – Wholesale Market Service Charge control account to be disposed through the general purpose Group 1 Deferral and Variance Account.

*c) Group 1 Accounts*

The Group 1 accounts being sought for disposition (excluding global adjustment), include the following flow through variance accounts: Low Voltage Charges, Smart Meter Entity Charges, Wholesale Market Service Charges, Retail Transmission Service Charges, Commodity Power Charges, and Account 1595 residual balances. These Group 1 accounts have a total debit balance of \$1,016,893, which results in a charge to customers. This balance combined with the balance for the global adjustment account results in the total balance for Group 1 accounts of \$671,318.

The balances proposed for disposition reconcile with the amounts reported as part of the OEB's *Electricity Reporting and Record-Keeping Requirements*.<sup>15</sup> Waterloo North Hydro further submits that its proposal for a one-year disposition period is in accordance with the OEB's policy.<sup>16</sup>

<sup>14</sup> 2020 IRM Rate Generator Model, Tab 6.1a "GA Allocation".

<sup>15</sup> Electricity Reporting and Record Keeping Requirements, Version dated May 3, 2016.

<sup>16</sup> Report of the OEB – "Electricity Distributors' Deferral and Variance Account Review Initiative (EDDVAR)." EB-2008-0046, July 31, 2009.

In 2018, the OEB suspended its approvals of Group 1 rate riders on a final basis pending the development of further accounting guidance on commodity pass-through variance accounts.<sup>17</sup> The OEB issued accounting guidance<sup>18</sup> on the commodity accounts on February 21, 2019. In this letter, the OEB indicated that it expects distributors to consider the accounting guidance in the context of historical balances that have not yet been disposed on a final basis. Based on the accounting guidance of February 21, 2019, distributors are expected to make any adjustments needed prior to filing for final disposition.

In its 2019 IRM decision and order,<sup>19</sup> Waterloo North Hydro received approval to dispose of 2017 Group 1 balances on an interim basis. However, the decision and order stated the following:

The OEB finds that Waterloo North's credit balance of \$1,105,779 of account 1588 RSVA Power is high for a distributor of its size. The OEB expects Waterloo North Hydro perform an internal review to determine the operational reasons for this balance and report its findings back to the OEB as part of its 2020 rate application. Given that the OEB is not disposing of Group 1 accounts generally on a final basis, in the event that Waterloo North Hydro uncovers any material discrepancies in account 1588, it would have the opportunity to adjust the balance of this account in future.<sup>20</sup>

In the current application, Waterloo North Hydro stated that:

WNH completed a review of this account in 2019. Due to the current process for settlement it was determined that there is a price variance that had not been trueed up with the IESO in 2017 and 2018. This will be resolved for 2019 and future years due to the transition to the new 1588/1589 account rules set out by the OEB.<sup>21</sup>

Waterloo North Hydro further stated in its response to OEB staff's questions, that the above price variance statement was related to the true-up adjustments in this application and Waterloo North Hydro plans to make these adjustments with the IESO upon OEB's approval of this application.

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<sup>17</sup> OEB letter to all rate-regulated licensed electricity distributors – "Re: OEB's Plan to Standardize Processes to Improve Accuracy of Commodity Pass-Through Variance Accounts." July 20, 2018.

<sup>18</sup> Accounting Procedures Handbook Update – Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589, February 21, 2019.

<sup>19</sup> Decision and Rate Order, EB-2018-0074, December 13, 2018.

<sup>20</sup> EB-2018-0074, December 13, 2018, page 8.

<sup>21</sup> Application and Evidence, pages 8-9.

When Waterloo North Hydro reviewed its RPP settlement true-ups performed in 2017 it determined that a correction was required for an additional debit of \$794,379. Waterloo North Hydro will complete this RPP settlement true-up correction with the IESO in 2019, but recorded the debit adjustment of \$794,379 correctly in the 2018 deferral and variance account continuity schedule in the 1588 RSVA power account balance as part of the 2020 IRM rate application. The OEB finds this adjustment relating to a prior year to be reasonable for the following reason.

By taking into account the RPP Settlement debit correction of \$794,379 in the 2017 1588 RSVA power account balance, the account balance would be a credit of \$311,400 as compared to the originally approved credit amount of \$1,105,779 in the 2019 IRM proceeding. This adjusted balance is approximately 0.6% of the 2017 1588 RSVA power account power purchases.<sup>22</sup> This is a reasonable ratio as it is within the range of the OEB's 1% threshold that it uses for the global adjustment workform, for example.

As indicated, the 2018 1588 RSVA power account debit balance of \$852,430 includes the RPP settlement correction relating to 2017 totalling a debit of \$794,379. If the 2017 RPP settlement correction is excluded, the 2018 1588 RSVA power account balance would be a debit of \$58,051. The OEB notes that this includes the RPP settlement correction for 2018 activities of a credit of \$298,382. The OEB also finds this balance and the December 31, 2018 balance to be reasonable.

Waterloo North Hydro confirmed that there are now no longer any systemic issues with its RPP settlement and the related accounting processes, and requests final disposition of the balances of its 2017 and 2018 Group 1 accounts. Waterloo North Hydro has confirmed that it has switched to using monthly usage data instead of monthly-billed data for RPP settlements, similar to what its practice has been for the global adjustment. In addition, Waterloo North Hydro has updated its RPP settlement processes and now reflects changes in commodity and GA prices as part of its true up processes and has recorded RPP settlement true-up adjustments related to prices for 2017 and 2018 in this application.

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<sup>22</sup> 0.64% is calculated as \$311,400 divided by the sum of the total commodity costs for RPP customers (\$41,769,526) and the total commodity cost excluding global adjustments for Non-RPP customers (\$7,142,768). Waterloo North provided the total energy cost figures in the excel file "1588 Review" dated October 8, 2019.



## Findings

The OEB approves the disposition of a debit balance of \$671,318 as of December 31, 2018, including interest projected to December 31, 2019 for Group 1 accounts on a final basis.

The following table identifies the principal and interest amounts, which the OEB approves for disposition.

**Table 6.2: Group 1 Deferral and Variance Account Balances**

Account Name	Account Number	Principal Balance (\$) A	Interest Balance (\$) B	Total Claim (\$) C=A+B
LV Variance Account	1550	103,512	3,655	107,167
Smart Meter Entity Variance Charge	1551	(67,812)	(1,518)	(69,330)
RSVA - Wholesale Market Service Charge	1580	(249,343)	13,179	(236,164)
RSVA - Retail Transmission Network Charge	1584	155,938	2,773	158,711
RSVA - Retail Transmission Connection Charge	1586	296,123	9,743	305,866
RSVA - Power	1588	865,538	(13,108)	852,430
RSVA - Global Adjustment	1589	(348,978)	3,404	(345,574)
Disposition and Recovery of Regulatory Balances (2017)	1595	39,743	(141,531)	(101,788)
<b>Totals for all Group 1 accounts</b>		<b>794,721</b>	<b>(123,403)</b>	<b>671,318</b>

The balance of each of the Group 1 accounts approved for disposition shall be transferred to the applicable principal and interest carrying charge sub-accounts of Account 1595. Such transfer shall be pursuant to the requirements specified in Article 220, Account Descriptions, of the *Accounting Procedures Handbook for Electricity Distributors*.<sup>23</sup> The date of the transfer must be the same as the effective date for the

<sup>23</sup> Accounting Procedures Handbook for Electricity Distributors, effective January 1, 2012.

associated rates, which is, generally, the start of the rate year. Waterloo North Hydro shall ensure these adjustments are included in the reporting period ending March 31, 2020 (Quarter 1).

The OEB approves the December 31, 2018 balances to be disposed through final rate riders and payments as calculated in the Rate Generator Model. The final rate riders and payments will be in effect over a one-year period from January 1, 2020 to December 31, 2020.<sup>24</sup> The OEB also finds that the rate riders approved on an interim basis to dispose of the year ending December 31, 2017 balances, as part of the 2019 IRM proceeding, are now final.

## 7 IMPLEMENTATION AND ORDER

This Decision is accompanied by a Rate Generator Model, applicable supporting models, and a Tariff of Rates and Charges (Schedule A).

Model entries were reviewed in order to ensure that they are in accordance with Waterloo North Hydro's last cost of service decision, and to ensure that the 2019 OEB-approved Tariff of Rates and Charges, as well as the cost, revenue and consumption results from 2018, are as reported by Waterloo North Hydro to the OEB.

The Rate Generator Model was adjusted, where applicable, to correct any discrepancies. The Rate Generator Model incorporates the rates set out in the following table.

**Table 7.1: Regulatory Charges**

Rate	per kWh
Rural or Remote Electricity Rate Protection (RRRP)	\$0.0005
Wholesale Market Service (WMS) billed to Class A and B Customers	\$0.0030
Capacity Based Recovery (CBR) billed to Class B Customers	\$0.0004

<sup>24</sup> 2020 IRM Rate Generator Model Tab 6.1 GA, Tab 6.1a GA Allocation, and Tab 7 Calculation of Def-Var RR.

Each of these rates is a component of the “Regulatory Charge” on a customer’s bill, established annually by the OEB through a separate, generic order. The RRRP, WMS and CBR rates were set by the OEB on December 20, 2018.<sup>25</sup>

The Smart Metering Entity Charge is a component of the “Distribution Charge” on a customer’s bill, established by the OEB through a separate order. The Smart Metering Entity Charge was set by the OEB on March 1, 2018.<sup>26</sup>

### THE ONTARIO ENERGY BOARD ORDERS THAT

1. The Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order is approved effective January 1, 2020 for electricity consumed or estimated to have been consumed on and after such date. Waterloo North Hydro Inc. shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new final rates.

**DATED** at Toronto, December 12, 2019

**ONTARIO ENERGY BOARD**

*Original Signed By*

Christine E. Long  
Registrar and Board Secretary

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<sup>25</sup> EB-2018-0294, Decision and Order, December 20, 2018.

<sup>26</sup> EB-2017-0290, Decision and Order, March 1, 2018.

**Schedule A**

**To Decision and Rate Order**

**Tariff of Rates and Charges**

**OEB File No: EB-2019-0071**

**DATED: December 12, 2019**

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2020**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2019-0071

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. 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	\$	32.05
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0006
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0073
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0026

## 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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2020**  
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EB-2019-0071

## **GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. 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	\$	33.71
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0168
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024

### **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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2020**  
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EB-2019-0071

## **GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION**

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. 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. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

### **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	\$	125.96
Distribution Volumetric Rate	\$/kW	5.3438
Low Voltage Service Rate	\$/kW	0.0738
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	\$/kW	0.1629

Issued - December 12, 2019

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2020**  
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Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.1251
Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7777
Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.9504
Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.9464
Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.9053
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1306
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.1295

**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



**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2020**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2019-0071

## **LARGE USE SERVICE CLASSIFICATION**

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. 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	\$	7,359.96
Distribution Volumetric Rate	\$/kW	4.2410
Low Voltage Service Rate	\$/kW	0.0925
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.4253
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2665
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1346

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2019-0071

**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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2019-0071

## **UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 (per connection)	\$	11.20
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0024

### **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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2019-0071

## **STREET LIGHTING SERVICE CLASSIFICATION**

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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 (per connection)	\$	0.35
Distribution Volumetric Rate	\$/kW	9.8917
Low Voltage Service Rate	\$/kW	0.0570
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.2362
Retail Transmission Rate - Network Service Rate	\$/kW	2.0950
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6996

### **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

**Waterloo North Hydro Inc.**  
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EB-2019-0071

## **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.

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	\$	5.40
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**Waterloo North Hydro Inc.**  
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## **EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION**

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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**

Distribution Volumetric Rate	\$/kW	0.0211
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	0.3168

### **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

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2019-0071

**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****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 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.

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.

**Customer Administration**

Easement letter	\$	15.00
Notification charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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

**Other**

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50
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**Waterloo North Hydro Inc.**  
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EB-2019-0071

## **RETAIL SERVICE CHARGES (if applicable)**

### **APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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	\$	102.00
Monthly Fixed Charge, per retailer	\$	40.80
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
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)	\$	4.08
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)	\$	2.04

## **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	1.0362
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0147
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0259
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0047





## **ATTACHMENT 8-5**

# **2021 PROPOSED TARIFF OF RATES**

**Waterloo North Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0059

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. 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	\$	34.34
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$	(1.59)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0003
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	0.0012
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0025

## 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

# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0059

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. 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	\$	36.12
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0004
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	0.0005
Distribution Volumetric Rate	\$/kWh	0.0180
Low Voltage Service Rate	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023

### 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

# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0059

## GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. 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. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered; General Service 50 to 999 kW interval metered; and General Service 1,000 to 4,999 kW interval metered.

### 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	\$	134.98
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for Disposition of Deferral/Variance Accounts Applicable only for Non-Wholesale Market Participants - effective until December 31, 2021	\$/kWh	(0.0001)
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	0.0012

# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

**EB-2020-0059**

Distribution Volumetric Rate	\$/kW	5.7042
Low Voltage Service Rate	\$/kW	0.1226
Retail Transmission Rate - Network Service Rate - (less than 1,000 kW)	\$/kW	2.7039
Retail Transmission Rate - Network Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	2.8720
Retail Transmission Rate - Network Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	2.8681
Retail Transmission Rate - Line and Transformation Connection Service Rate - (less than 1,000 kW)	\$/kW	0.8817
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (less than 1,000 kW)	\$/kW	1.1001
Retail Transmission Rate - Line and Trans. Connection Service Rate - Interval Metered (1,000 to 4,999 kW)	\$/kW	1.1050

#### **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

**Waterloo North Hydro Inc.**  
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EB-2020-0059

## **LARGE USE SERVICE CLASSIFICATION**

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. 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	\$	7,886.68
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Rate Rider for Account 1568 - LRAM Variance Account - effective until December 31, 2021	\$/kWh	(0.0001)
Distribution Volumetric Rate	\$/kW	4.5445
Low Voltage Service Rate	\$/kW	0.1537
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1797
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1050

## **MONTHLY RATES AND CHARGES - Regulatory Component**

**Waterloo North Hydro Inc.**  
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**EB-2020-0059**

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

# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0059

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 (per connection)	\$	11.88
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Distribution Volumetric Rate	\$/kWh	0.0147
Low Voltage Service Rate	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0023

## 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



**Waterloo North Hydro Inc.**  
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## STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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 (per connection)	\$	0.38
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0004
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Distribution Volumetric Rate	\$/kW	10.5989
Low Voltage Service Rate	\$/kW	0.0948
Retail Transmission Rate - Network Service Rate	\$/kW	2.0393
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.6814

## 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

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**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.

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
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## EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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

Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021	\$/kWh	0.0005
Rate Rider for RSVA - Power - Global Adjustment - Applicable only for Non-RPP - effective until December 31, 2021	\$/kWh	0.0001
Rate Rider for Group 2 Accounts - effective until December 31, 2021	\$/kWh	(0.0025)
Distribution Volumetric Rate	\$/kW	0.0215

### 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

## 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

### 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 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.

# Waterloo North Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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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.

#### Customer Administration

Easement letter	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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	\$	130.00
Reconnection at meter - after regular hours	\$	335.00
Reconnection at pole/transformer - during regular hours	\$	310.00
Reconnection at pole/transformer - after regular hours	\$	685.00

#### Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50
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## RETAIL SERVICE CHARGES (if applicable)

#### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code 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	\$	104.04
Monthly Fixed Charge, per retailer	\$	41.62
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.52
Processing fee, per request, applied to the requesting party	\$	1.04
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		

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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)	\$	4.16

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)	\$	2.08
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## 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	1.0353
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0136
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0250
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036