



Hydro 2000 Inc.

2021 IRM APPLICATION

EB-2020-0028

Submitted on Nov 23, 2020

Hydro 2000 Inc.  
40 St-Philippe St  
Alfred, ON  
K0B 1A0





Nov 23, 2020

Ontario Energy Board PO.  
Box 2319 27th Floor  
2300 Yonge Street Toronto,  
Ontario M4P 1E4

**Attention: Ms. Christine Long, Registrar**  
**Regarding: 2021 IRM Application (EB-2020-0028)**

Dear Ms. Long,

Hydro 2000 Inc. is pleased to submit to the Ontario Energy Board its 2021 IRM Application in a searchable format. This application is being filed according to the Board's e-Filing Services.

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

Yours truly,

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Gérante / Manager  
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**IN THE MATTER OF** the Ontario Energy Board Act, 1998, SO.  
1998, c.15, (Schedule B); **AND IN THE MATTER OF** an  
Application by Hydro 2000 Inc. to the Ontario Energy Board for an  
Order or Orders approving or fixing just and reasonable distribution  
rates and other service charges to be effective  
May 1, 2021.

## 1. INTRODUCTION

Hydro 2000 Inc. ("H2000") ("Hydro 2000") hereby applies to the Ontario Energy Board (the "Board") for approval of its 2020 Distribution Rate Adjustments effective May 1, 2021. Hydro 2000 applies for an Order or Orders approving the proposed distribution rates and other charges as set out in Appendix 2 of this Application as just and reasonable rates and charges pursuant to Section 78 of the OEB Act. The rate adjustment being applied for affects all classes of Hydro 2000's customer base; Residential, General Services less than 50kW, GS 50kW to 4999kW, Street Lights, USL.

Hydro 2000 has followed Chapter 3 of the Board's Filing Requirements for Transmission and Distribution Applications dated May 14, 2020, along with the Key References listed in section 3.1.1 of the Chapter 3 Incentive Rate-Setting Applications.

This application is supported by the following Excel models filed in conjunction with the Manager Summary.

- 2021 IRM Rate Generator
- 2021 GA Analysis Workform
- 2021 IRM Checklist

The following models are not applied in this application and, therefore, are not being submitted.

- 2021 Revenue to Cost Ratio Adjustment Model
- 2021 1595
- 2021 ICM/ACM Model
- 2021 LRAM

If the Board is unable to provide a Decision and Order in this application for implementation on May 1, 2021, Hydro 2000 requests that the Board issue an Interim Rate Order declaring the current Distribution Rates and Specific Service Charges as interim until the decided implementation date of the approved 2021 distribution rates. If the effective date does not coincide with the Board's determined implementation date for 2021 distribution rates and charges, Hydro 2000 requests to



1 be permitted to recover the incremental revenue from the effective date to the implementation  
2 date.

3 Hydro 2000 requests that this application be disposed of by way of a written hearing. Hydro 2000  
4 confirms that the billing determinants used in the model are from the most recent reported RRR  
5 filings. The utility reviewed both the existing "Tariff Sheets" and billing determinants in the pre-  
6 populated worksheets and confirms that they were accurate.

7 In preparing this application, Hydro 2000 used the 2021 IRM Rate Generator issued on Jul 14,  
8 2020, and updated Oct 21, 2020. The rate and other adjustments being applied for and calculated  
9 using the above models include a Price Cap Incentive Rate-Setting ("Price Cap IR") option to adjust  
10 its 2021 rates. (The Price Cap IR methodology provides for a mechanistic and formulaic adjustment  
11 to distribution rates and charges in the period between Cost of Service applications). The model  
12 also adjusts Retail Transmission Service Rates per Board Guideline G-2008-0001 - Electricity  
13 Distribution Retail Transmission Service Rates revised on Jun 28, 2012, and subsequent updates  
14 when applicable.

15 Hydro 2000 also applies for the following matter.

- 16 • Continuance of the Specific Services charges and Loss Factors.
- 17 • Continuance of the MicroFit monthly charge.
- 18 • Continuance of the Smart Meter Entity charge.

19 The annual adjustment mechanism is not being applied to the following components of delivery  
20 rates:

- 21 • Rate Adders, Rate Riders, Low Voltage Service Charges, Retail Transmission Service Rates,  
22 Wholesale Market Service Rate, Rural and Remote Rate Protection Benefit and Charge,  
23 Standard Supply Service – Administrative Charge, MicroFit Service Charge, Specific Service  
24 Charges, Transformation and Primary Metering Allowances, Smart Metering Entity Charge

25 Hydro 2000 recognizes that the utility, its shareholder, and all its customer classes will be  
26 affected by the outcome of the herein application.

27



## 2. DISTRIBUTOR'S PROFILE

Hydro 2000 is incorporated under the Ontario Business Corporations Act and is 100% owned by the Township of Alfred Plantagenet. Hydro 2000 is managed by a Board of Directors appointed by the Township of Alfred Plantagenet. Hydro 2000 has three employees: a General Manager, a billing clerk, and a Customer Service Representative.

Hydro 2000's service area is an embedded utility wholly contained within the municipal boundaries of the Alfred and Plantagenet. The area is embedded within the Hydro One Networks Inc.

Hydro 2000 is a licensed electricity distribution business operating in the Township of Alfred and Plantagenet. Hydro 2000 has 22 kilometers of lines comprised of 18 kilometers of overhead lines and 3 kilometers of underground lines. The lines are made up of 10 kilometers of 3-phase wire, 2 kilometers of 2-phase wire, and 9 kilometers of single-phase wire. Hydro 2000 leases two distribution stations at 4.8KV each. These are supplied by the 44KV in Longueuil TS. The first of the 4.8KV distribution station is located approximately 1 km outside of Alfred, and the other is located in Plantagenet. The distributor does not have any transmission or high voltage assets deemed by the Board as distribution assets and, as such, is not seeking approvals from the Board in that regard.

Hydro 2000's last Cost of Service application was for 2020 rates.



### 3. CONTACT INFORMATION

Upon receiving the Letter of Direction and the Notice of Application and Hearing from the Board, the OEB will arrange to have the Notice of Application and Hearing for this proceeding published in the following local community not-paid-for newspaper which has the highest circulation in its service area.

"Le Regional," which is a bilingual unpaid local newspaper. Hydro 2000 also publishes all notices related to this application on its website. [www.hydro2000.ca](http://www.hydro2000.ca)

Once the Notice of Application and Hearing has been published in the above-listed newspapers, Hydro 2000 will file an Affidavit of Publication.

Once the Notice of Application and Hearing has been published in the above-listed newspapers, Hydro 2000 will file an Affidavit of Publication.

Application contact information is as follows:

Applicants Name: Hydro 2000 Inc.

Applicants Address: 440 St-Philippe St, Alfred, ON K0B 1A0

Hydro 2000's Contact Info. Lise Wilkinson  
General Manager  
[lisewilkinson@hydro2000.ca](mailto:lisewilkinson@hydro2000.ca)  
(613) 679-4093 ext. 202



#### 4. PRICE CAP ADJUSTMENT

As per Board policy (Chapter 3), distribution rates are to be adjusted according to the Price Cap model presented through the Board's Rate Generator model. The calculation would be based on the annual percentage change in the GDP-IPI index.

In accordance with the Report of the Board: Rate Setting Parameters and Benchmarking under the Renewed Regulatory Framework for Ontario's Electricity Distributors, Hydro 2000 was assigned Stretch Factor Group II and a Price Escalator of 2.20, Price Cap Index of 1.55% and a Stretch Factor Value of 0.45%.

The following table shows Hydro 2000's applicable factor for its Price Cap Adjustment.

**Table 1 - Price Cap Parameters**

<b>Stretch Factor Group</b>	<b>IV</b>
<i>Set Price Escalator</i>	2.20%
<i>Revised Price Escalator</i>	0.00%
<i>Stretch Factor Value</i>	0.45%
<i>Productivity Factor</i>	0.00%
<i>Price Cap Index</i>	1.55%

While the price factor adjustment under this application would apply to the fixed and volumetric distribution rates for Hydro 2000, it would not affect the following:

- Rate adders and riders; Low voltage service charges; Retail Transmission Service Rates; Wholesale Market Service Rate; Rural Rate Protection Charge; Standard Supply Service – Administrative Charge; MicroFIT Service Charge; Specific Service Charges.



## 5. REVENUE TO COST RATIO ADJUSTMENT AND RATE DESIGN

Hydro 2000 is not proposing to adjust its revenue to cost ratios in this proceeding as its revenue to cost ratios were recently adjusted and set as part of the 2020 Cost of Service Application. As such, Hydro 2000 has not complete nor is filing a completed revenue-to-cost ratio adjustment work form.

Hydro 2000 confirms that its distribution rates are fully fixed.

**Table 2- Current vs. Proposed Distribution Rates**

<i>Rate Class</i>	<b>Current MFC</b>	<b>Current Volumetric Charge</b>	<b>Proposed MFC</b>	<b>Proposed Volumetric Charge</b>
<i>Residential</i>	29.39	0.0032	33.08	0.0000
<i>GS&lt;50 kW</i>	23.21	0.0101	23.69	0.0103
<i>GS&gt;50 kW</i>	84.54	1.5081	86.27	1.5390
<i>Street Lighting</i>	1.31	7.6376	1.34	7.7942
<i>USL</i>	4.79	0.0135	4.89	0.0138
<i>MicroFit</i>	4.55		4.55	

The 2021 proposed tariff sheet is presented in Appendix 2 of this application.

Hydro 2000 has not yet completed its transition to fully fixed residential rates. Hydro 2000 indicated in its 2020 Cost of Service application that it had two years remaining in its transition period, which would mean that the utility would go to fully fixed rates in this application.



## 6. RTSR ADJUSTMENT

Hydro 2000 is applying for an adjustment of its Retail Transmission Service Rates based on a comparison of historical transmission costs adjusted for new UTR levels and revenues generated from existing RTSRs. This approach is expected to minimize variances in the USoA Accounts 1584 and 1586.

Hydro 2000 used the RTSR Adjustment Worksheets embedded in the IRM Model to determine the proposed adjustments to the current Retail Transmission Service Rates.

The Loss Factor applied to the metered kWh is the actual Board-approved 2019 Loss Factor.

The proposed adjustments of the Retail Transmission Service Rates are shown in the table below, and the detailed calculations can be found in the 2020 IRM Model filed in conjunction with this application.

**Table 3- Proposed RTSR**

<i>Rate Description</i>	<i>Unit</i>	<b>Current RTSR- Network</b>	<b>Proposed RTSR- Network</b>
<i>Residential Service Classification</i>	<i>\$/kWh</i>	0.0067	0.0069
<i>General Service Less Than 50 kW Service Classification</i>	<i>\$/kWh</i>	0.0061	0.0062
<i>General Service 50 To 4,999 kW Service Classification</i>	<i>\$/kW</i>	2.4864	2.5467
<i>Street Lighting Service Classification</i>	<i>\$/kWh</i>	0.0061	1.9205
<i>USL Service Classification</i>	<i>\$/kW</i>	1.8750	0.0062

<i>Rate Description</i>	<i>Unit</i>	<b>Current RTSR- Connection</b>	<b>Proposed RTSR- Connection</b>
<i>Residential Service Classification</i>	<i>\$/kWh</i>	0.0056	0.0057
<i>General Service Less Than 50 kW Service Classification</i>	<i>\$/kWh</i>	0.0053	0.0054
<i>General Service 50 To 4,999 kW Service Classification</i>	<i>\$/kW</i>	2.0823	2.1357
<i>Street Lighting Service Classification</i>	<i>\$/kWh</i>	0.0053	1.6511
<i>USL Service Classification</i>	<i>\$/kW</i>	1.6098	0.0054



## 7. DEFERRAL AND VARIANCE ACCOUNT

### 7.1 REVIEW AND DISPOSITION OF GROUP 1 DVA

Hydro 2000 has completed the Board Staff's 2021 IRM Rate Generator – Tab 3 Continuity Schedule, and the threshold test shows a claim per kWh of \$(0.0135).

Hydro 2000 confirms that the billing determinants, which originate from the most recent RRR filings, are accurate.

The Report of the Board on Electricity Distributors' Deferral and Variance Accounts Review Report (the "EDDVAR Report") provides that during the IRM plan term, the distributor's Group 1 audited account balances will be reviewed and disposed of if the pre-set disposition threshold is exceeded. Since the threshold was met, Hydro 2000 is therefore not seeking disposal of its deferral and variance account in this proceeding. The Hydro 2000 Group 1 total claim balance is \$284,913 and comprises the following account balances. Details of these balances can be found in the 2021 IRM Model.

Hydro 2000 notes the following variances between the RRR and the balances calculated in that tab 3 of the model and offers the following explanations.

**Table 4- Variances between RRR and Continuity Schedules**

<i>Account Descriptions</i>	<i>Account Number</i>	<i>Total Claim</i>	<i>2.1.7 RRR As of Dec 31, 2019</i>	<i>Variance RRR vs. 2019 Balance (Principal + Interest)</i>
<i>Group 1 Accounts</i>				
<i>RSVA - Power4</i>	1588	\$103,107.21	-\$306,049.59	-\$407,757.38
<i>RSVA - Global Adjustment4</i>	1589	\$122,935.74	\$90,796.64	-\$30,338.43

The variances above resulted from the utility using the OEB's true up template, which was designed to assist in ensuring consistency among LDCs, in performing the settlement and true-up calculations and associated entries that primarily affect the RSVA variance accounts (1588 and 1589).

Completing the template created variances between the previous method and the new method. The differences and their derivation are shown in table 6 on the next page.



**Table 5- Derivation of variances**

<b>Principal</b>	<b>Carrying charges</b>	<b>Total</b>	
<b>Old method</b>			
1588	(364,986.82)	(6,544.64)	(371,531.46)
1589	(30,536.20)	4,935.53	(25,600.67)
	(395,523.02)	(1,609.11)	(397,132.13)
<b>New method</b>			
1588	24,233.12	11,992.20	36,225.32
1589	1,916.52	2,821.24	4,737.76
	26,149.64	14,813.44	40,963.08
<b>Differences</b>			
1588	389,219.94	18,536.84	407,756.78
1589	32,452.72	(2,114.29)	30,338.43
	421,672.66	16,422.55	438,095.21

**Table 6- Deferral and Variance Account balances**

<b>Group 1 Accounts</b>		
LV Variance Account	1550	58,848
Smart Metering Entity Charge Variance Account	1551	1
RSVA - Wholesale Market Service Charge5	1580	(7,633)
Variance WMS – Sub-account CBR Class A5	1580	0
Variance WMS – Sub-account CBR Class B5	1580	0
RSVA - Retail Transmission Network Charge	1584	2,032
RSVA - Retail Transmission Connection Charge	1586	5,623
RSVA - Power4	1588	103,107
RSVA - Global Adjustment4	1589	122,936
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014)3	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2015)3	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2016)3	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2017)3	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2018)3	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2019)3	1595	0
Refer to the Filing Requirements for disposition eligibility.		
RSVA - Global Adjustment		122,936
Total Group 1 Balance excluding Account 1589 - Global Adjustment		161,977
Total Group 1 Balance		284,913



Hydro 2000 confirms the following.

- Accounts 1595 – Disposition of Regulatory Balances. There are no balances to be disposed of in 1595.
- Hydro 2000 confirms that no adjustment has been made to balances previously approved by the OEB on a final basis.
- GA rate riders calculated on an energy basis (kWh) (not applicable in this case)
- The proposed rate riders sought for recovery or refund of balances that are proposed for disposition over the default period of two years.
- Hydro 2000 confirms that it used the OEB model, which creates a separate rate rider included in the delivery component of the bill that applies prospectively to Non-RPP Class B customers when clearing balances from the GA Variance Account.
- H2000 will be permitted to dispose of the balance to December
- Hydro 2000's balances up to Dec 31, 2016, were approved on a final basis in its 2020 Cost of Service application (EB-2019-0041).
- Hydro 2000's 2020 Cost of Service Decision and Order notes that it is expected to bring forward a request for approval and clearance of amounts post-Dec 31, 2016 in its 2021 IRM application. In bringing the post-Dec 31, 2016 amounts forward for approval and clearance, H2000 was asked to ensure that its 1588 and 1589 balances from Jan 1, 2017 to Dec 31, 2018, were thoroughly reviewed. Hydro 2000 was to provide sufficient detail to support balances proposed for disposition. The review includes assessing accounting and settlement practices for Accounts 1588 and 1589, necessary work forms, and a detailed explanation for any adjustment made. The result of the review is presented in Section 7.4.

Hydro 2000 confirms that it has completed and filed along with this Manager Summary the GA workform.

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## 7.2 WHOLESALE MARKET PARTICIPANT

Hydro 2000 does not have any wholesale market participant (WMP), which can be described as any entity that participates directly in any Independent Electricity System Operator (IESO) administered markets. These participants settle commodity and market-related charges with the IESO even if they are embedded in a distributor's distribution system. The rate rider has been calculated on Class B customers only. The billing determinant and all the rate riders for the GA are calculated on an energy basis (kWh) regardless of the billing determinant used for the class's distribution rates.



### 7.3 DISPOSITION OF ACCOUNT 1595

Hydro 2000 has not met the disposition threshold for its 2019-yearend balances and is not seeking disposition as part of this application.

**Table 7 – Disposition Status of Account 1595**

<i>Year</i>	<i>Rate Application</i>	<i>Disposition Period</i>	<i>Sunset Reached</i>	<i>Rate Ride Sunset Date</i>	<i>Audited</i>	<i>Plus one year</i>
2018	2020	1 yr.	X	2021/4/30	X	X

All filing requirements related to 1595, including populating the 1595 Workform, are not applicable in this case.

Hydro 2000 also confirms that there are no residual balances for vintage Account 1595 being disposed of and that all historical dispositions of 1595 have only been done once.

Hydro 2000 confirms that there are no material residual balances that require further analysis, consisting of separating the components of the residual balances by each applicable rate rider and by customer rate class.

As such, Hydro 2000 does not need to provide detailed explanations for any significant residual balances attributable to specific rate riders for each customer rate class, including volume differences between forecast volumes (used to calculate the rate riders) as compared to actual volumes at which the rate riders were billed.



## 7.4 GLOBAL ADJUSTMENT AND COMMODITY ACCOUNTS 1588 AND 1589

In compliance with the filing requirements, Hydro 2000 offers the following explanations concerning adopting the Feb 21, 2019 accounting guidance.

The following section was prepared by Hydro 2000's auditors which performed the review and confirmed the adjustments for account 1588/1589.

### ***The following explanation of Adjustments to 1588 and 1589 Regulatory Balances was provided by Hydro 2000's Auditors Deloitte.***

#### ***Purpose***

*To document how the issue relating to the 1588 and 1589 regulatory balances was identified, assessed, and corrected.*

#### ***Discussion***

*The OEB introduced a settlement and true-up template in response to the identification of differences in the performance and recording of this process among LDCs. The template was designed to ensure consistency among LDCs, in performing the settlement and true-up calculations and associated entries that primarily affect the RSVA variance accounts (1588 and 1589).*

*Hydro 2000 was instructed to reperform the monthly settlement and true-up process for each month beginning in January 2017 until December 2019. This resulted from the identification that the balances accumulated in the 1588 and 1589 variance accounts were inconsistent with expectations (these accounts had collected significant balances, which were atypical).*

*Lise Wilkinson (General Manager) undertook the task of completing the spreadsheet for each month. After this process was completed, a few key findings were noted (note: from here on, how Hydro 2000 initially performed this settlement and true-up will be referred to as the "old method," and the use of the OEB provided spreadsheet will be referred to as the "new method"):*

*Differences were identified in the amounts claimed from Hydro One for GA on RPP clients when comparing the old method to the new method.*

*In 2018, large amounts were claimed from Hydro One for errors made by the previous general Manager in previous years.*



1        *The process of using the OEB provided template corrected the determination of the*  
2        *balances in the variance accounts created differences because the calculations were*  
3        *made differently.*

4        *Differences were noted in the revenue and expense accounts when comparing the*  
5        *figures determined using the old method to the new method.*

6        *The differences in these revenues and expense account related to the periods of 2017 –*  
7        *2019, which had since been closed to retained earnings.*

8        *Therefore, the conclusion was that the differences between the balances previously*  
9        *recorded in the variance accounts and the newly determined balances resulted from*  
10       *differences in the power billed and power purchased revenue and expense amounts,*  
11       *which had since been closed to retained earnings.*

12       *Based on these facts, it was evident that an adjustment needed to be made to the*  
13       *variance accounts to bring them to their newly determined balances, with the other side*  
14       *of the entry impacting retained earnings in the form of a recast in the financial*  
15       *statements. This adjustment was completed while preparing the 2021 IRM.*

16       **Conclusion**

17       *The adjustment made in 2020 to correct the existing variance account balances was*  
18       *deemed to be appropriate.*

19       Table 7 on the next page shows the 2017-2019 output from the GA workform.



## 7.5 GA WORKFORM

**Table 8- GA Workform 2017**

Analysis of Expected GA Amount  
Year

2017

Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	444,165			444,165	0.06687	\$ 29,701	0.08227	\$ 36,541	\$ 6,840
February	383,531			383,531	0.10559	\$ 40,497	0.08639	\$ 33,133	\$ (7,364)
March	420,880			420,880	0.08409	\$ 35,392	0.07135	\$ 30,030	\$ (5,362)
April	296,595			296,595	0.06874	\$ 20,388	0.10778	\$ 31,967	\$ 11,579
May	318,222			318,222	0.10623	\$ 33,805	0.12307	\$ 39,164	\$ 5,359
June	253,876			253,876	0.11954	\$ 30,348	0.11848	\$ 30,079	\$ (269)
July	270,030			270,030	0.10652	\$ 28,764	0.11280	\$ 30,459	\$ 1,696
August	271,929			271,929	0.11500	\$ 31,272	0.10109	\$ 27,489	\$ (3,783)
September	350,811			350,811	0.12739	\$ 44,690	0.08864	\$ 31,096	\$ (13,594)
October	324,178			324,178	0.10212	\$ 33,105	0.12563	\$ 40,726	\$ 7,621
November	384,018			384,018	0.11164	\$ 42,872	0.09704	\$ 37,265	\$ (5,607)
December	480,083			480,083	0.08391	\$ 40,284	0.09207	\$ 44,201	\$ 3,917
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>4,198,318</b>	<b>-</b>	<b>-</b>	<b>4,198,318</b>		<b>\$ 411,117</b>		<b>\$ 412,152</b>	<b>\$ 1,035</b>

Calculated Loss Factor	1.9992
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW	1.0772
Difference	0.9220



1

**Table 9- GA Workform 2018**

**Analysis of Expected GA Amount**

Year 2018									
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	519,831			519,831	0.08777	\$ 45,626	0.06736	\$ 35,016	\$ (10,610)
February	432,883			432,883	0.07333	\$ 31,743	0.08167	\$ 35,354	\$ 3,610
March	434,140			434,140	0.07877	\$ 34,197	0.09481	\$ 41,161	\$ 6,964
April	371,349			371,349	0.09810	\$ 36,429	0.09959	\$ 36,983	\$ 553
May	281,898			281,898	0.09392	\$ 26,476	0.10793	\$ 30,425	\$ 3,949
June	267,748			267,748	0.13336	\$ 35,707	0.11896	\$ 31,851	\$ (3,856)
July	290,840			290,840	0.08502	\$ 24,727	0.07737	\$ 22,502	\$ (2,225)
August	282,731			282,731	0.07790	\$ 22,025	0.07490	\$ 21,177	\$ (848)
September	267,980			267,980	0.08424	\$ 22,575	0.08584	\$ 23,003	\$ 429
October	318,093			318,093	0.08921	\$ 28,377	0.12059	\$ 38,359	\$ 9,982
November	396,292			396,292	0.12235	\$ 48,486	0.09855	\$ 39,055	\$ (9,432)
December	459,653			459,653	0.09198	\$ 42,279	0.07404	\$ 34,033	\$ (8,246)
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>4,323,438</b>	<b>-</b>	<b>-</b>	<b>4,323,438</b>		<b>\$ 398,647</b>		<b>\$ 388,918</b>	<b>\$ (9,729)</b>

Calculated Loss Factor	0.8585
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW	1.0772
Difference	-0.2187

2

3



1

**Table 10- GA Workform 2019**

Analysis of Expected GA Amount

2019									
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	465,779			465,779	0.06741	\$ 31,398	0.08092	\$ 37,691	\$ 6,293
February	442,970			442,970	0.09657	\$ 42,778	0.08812	\$ 39,035	\$ (3,743)
March	439,438			439,438	0.08105	\$ 35,616	0.08041	\$ 35,335	\$ (281)
April	359,417			359,417	0.08129	\$ 29,217	0.12333	\$ 44,327	\$ 15,110
May	295,092			295,092	0.12860	\$ 37,949	0.12604	\$ 37,193	\$ (755)
June	267,869			267,869	0.12444	\$ 33,334	0.13728	\$ 36,773	\$ 3,439
July	279,695			279,695	0.13527	\$ 37,834	0.09645	\$ 26,977	\$ (10,858)
August	263,516			263,516	0.07211	\$ 19,002	0.12607	\$ 33,221	\$ 14,219
September	255,936			255,936	0.12934	\$ 33,103	0.12263	\$ 31,385	\$ (1,717)
October	294,209			294,209	0.17878	\$ 52,599	0.13680	\$ 40,248	\$ (12,351)
November	392,906			392,906	0.10727	\$ 42,147	0.09953	\$ 39,106	\$ (3,041)
December	449,384			449,384	0.08569	\$ 38,508	0.09321	\$ 41,887	\$ 3,379
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	4,206,211	-	-	4,206,211		\$ 433,484		\$ 443,178	\$ 9,694

Calculated Loss Factor	1.0735
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW	1.0772
Difference	-0.0037

2



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## **7.6 CAPACITY BASED RECOVERY**

Hydro 2000 proposes to dispose of Account 1580 sub-account CBR Class B following the OEB's CBR Accounting Guidance. As an embedded distributor, Hydro 2000 confirms that it is not charged CBR. Still, following instructions from Board Staff in previous applications, Hydro 2000 does calculate its CBR balances and tracks in its subaccount.

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## **7.7 DISPOSITION OF LRAMVA**

Hydro 2000 confirms that it disposed of its LRAM balances up to 2018 in its 2020 Cost of Service application using the IESO's final release of its verified results and therefore is not seeking any disposal LRMAVA balances in this application.



## 8. TAX CHANGE

Hydro 2000 has completed worksheets 8 of the IRM model, which resulted in a tax change of \$26 from the tax rates embedded in its OEB 2020 Board Approved base rate. Since the amount is nil, no further action is required.

## 9. ICM/ACM/Z-FACTOR

Hydro 2000 did not apply for an Advanced Incremental module in its last Cost of Service, nor is applying for recovery of Incremental Capital or Z-Factor in this proceeding.

Hydro 2000 notes that the Minimum Filing Requirements related to ICM / ACM and Z-Factors are not applicable in Hydro 2000's case.

## 10. REGULATORY RETURN ON EQUITY - OFF RAMP

Hydro 2000's current distribution rates were rebased and approved by the OEB in 2020 and included an expected (deemed) regulatory return on equity of 8.52%. The utility commits to maintaining its profitability at the approved level going forward.

## 11. CURRENT TARIFF SHEET

Hydro 2000 current tariff sheets are provided in Appendix 1.

## 12. PROPOSED TARIFF SHEET

The proposed tariff sheets generated by the 2021 IRM Rate Generator are provided in Appendix 2.

## 13. REGULATORY CHARGES

The Regulatory Charges, as calculated in the OEB's IRM model, are presented in the table below.

**Table 11- GA Workform 2019**

<i>Effective Date of Regulatory Charges</i>		<b>Jan 1, 2020</b>	<b>Jan 1, 2021</b>
<i>Wholesale Market Service Rate (WMS) - not including CBR</i>	\$/kWh	0.0030	0.0030
<i>Capacity Based Recovery (CBR) - Applicable for Class B Customers</i>	\$/kWh	0.0004	0.0004
<i>Rural or Remote Electricity Rate Protection Charge (RRRP)</i>	\$/kWh	0.0005	0.0005
<i>Standard Supply Service - Administrative Charge (if applicable)</i>	\$/kWh	0.25	0.25



1

**Time-of-Use RPP Prices**

As of		Nov 1, 2020	
Off-Peak	\$/kWh		0.1050
Mid-Peak	\$/kWh		0.1500
On-Peak	\$/kWh		0.2170
<b>Smart Meter Entity Charge (SME)</b>			
Smart Meter Entity Charge (SME)		\$	0.57
Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):		\$	36.86

2

**Miscellaneous Service Charges**

The specific charge for access to the power poles - per pole/year	\$	44.50	2.20%	45.48
<b>Retail Service Charges</b>				
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	102.00	2.20%	104.24
Monthly fixed charge, per retailer	\$	40.80	2.20%	41.70
Monthly variable charge, per customer, per retailer	\$/cust.	1.02	2.20%	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61	2.20%	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)	2.20%	(0.62)
Service Transaction Requests (STR)			2.20%	-
Request fee, per request, applied to the requesting party	\$	0.51	2.20%	0.52
Processing fee, per request, applied to the requesting party	\$	1.02	2.20%	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	2.20%	4.17
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 Feb 14, 2019)	\$	2.04	2.20%	2.08

3



## 14. BILL IMPACT

The Minimum Filing Requirements state that distributors must provide bill impacts, including the impact for residential customers 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 monthly.

Hydro 2000 notes that it is transitioning to fully fixed rates in this application, and therefore, the 10<sup>th</sup> consumption percentile is no longer required.

A list of bill impact scenarios is presented over the next several pages, with actual bill impacts following the table. Due to the magnitude of the 1588/1589 accounts, several classes' bill impacts are above the threshold of 10%.

### Rate Mitigation.

Hydro 2000 has explored all rate mitigation tools at its disposal (e.g. exploring longer disposition period for its DVAs) and although it did somewhat lower the bill impacts, it did not reduce them enough to bring them under the 10% threshold. Once rates are approved, Hydro 2000 therefore suggests communicating with those affected customers to discuss their specific impacts and the reason behind them.

Bill impacts are provided for typical customers and consumption levels for a range of consumption levels relevant to the service territory. Hydro 2000 notes that it does not have any customers with unique consumption and demand patterns, where Hydro 2000 needs to show a typical impact and provide an explanation. The impacts are shown using the Hydro 2000's EB-2019-0041 currently approved rates and the proposed 2021 distribution rates.

**Table 12– Summary of Bill Impacts**

RATE CLASSES	Units	Sub-Total		Total					
		A		B		C		Total Bill	
		\$	%	\$	%	\$	%	\$	%
RESIDENTIAL - RPP	kWh	\$1.29	4.0%	\$4.14	8.1%	\$4.38	7.1%	\$3.50	2.7%
GENERAL SERVICE LESS THAN 50 KW - RPP	kWh	\$8.08	19.2%	\$15.68	16.5%	\$16.11	13.4%	\$12.86	4.1%
GENERAL SERVICE 50 to 4,999 kW - Non-RPP (Other)	kW	\$10.01	2.4%	\$1,206.24	62.3%	\$1,236.71	39.1%	\$1,397.48	17.7%
STREET LIGHTING - Non-RPP (Other)	kW	\$21.75	2.2%	\$506.69	34.6%	\$512.59	30.1%	\$579.23	13.8%
UNMETERED SCATTERED LOAD - Non-RPP (Other)	kWh	\$0.51	9.7%	\$1.88	13.3%	\$1.96	10.5%	\$2.21	2.8%
RESIDENTIAL - Non-RPP (Retailer)	kWh	\$1.29	4.0%	\$27.39	53.1%	\$27.63	44.9%	\$31.22	16.5%



## 15.CERTIFICATION OF EVIDENCE

As General Manager of Hydro 2000. I certify that, to the best of my knowledge, the evidence filed in Hydro 2000.'s 2019 Incentive Rate-Setting Application is, to the best of my knowledge, accurate, complete, and consistent with the requirements of the Chapter 3 Filing Requirements for Electricity Distribution Rate Applications as revised in July of 2019. I also confirm that internal controls and processes are in place for the preparation, review, verification, and oversight of any account balances requested for disposal.

Respectfully submitted,

Lise Wilkinson

General Manager

[lisewilkinson@hydro2000.ca](mailto:lisewilkinson@hydro2000.ca)

(613) 679-4093 ext. 202



## 16. APPENDICES

Appendix 1	Current Tariff Sheet
Appendix 2	Proposed Tariff Sheet
Appendix 3	Bill Impacts
Appendix 4	2020 RRWF
Appendix 5	PDF of IRM Rate Generator
Appendix 6	PDF of GA Workform



1

## **Appendix 1      2020 Current Tariff Sheet**



# **FINAL RATE ORDER**

**EB-2019-0041**

**HYDRO 2000 INC.**

**Application for electricity distribution rates and other charges  
beginning May 1, 2020**

**BEFORE: Cathy Spoel**  
Presiding Commissioner

**Robert Dodds**  
Commissioner

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**October 29, 2020**





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## 1 INTRODUCTION AND SUMMARY

This is a Final Rate Order of the Ontario Energy Board (OEB) on an application filed by Hydro 2000 Inc. (Hydro 2000) to change its electricity distribution rates as of May 1, 2020.

The OEB has reviewed Hydro 2000's draft rate order (DRO) and proposed Tariff of Rates and Charges and is satisfied that they accurately reflect the Decision and Order (Decision) issued on September 24, 2020.<sup>1</sup>

As a result of this Final Rate Order, it is estimated that for a typical residential customer with a monthly consumption of 750 kWh, the total bill will increase by \$6.49 per month before taxes and the Ontario Electricity Rebate, or 4.21%.

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<sup>1</sup> EB-2019-0041, Decision and Order, September 24, 2020



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## 2 THE PROCESS

On September 24, 2020, the OEB issued the Decision in which it accepted the settlement proposal filed by Hydro 2000, OEB staff and the Vulnerable Energy Consumers Coalition (VECC), the intervenor to this proceeding. In the Decision, the OEB approved Hydro 2000's request to defer the implementation of its new rates to November 1, 2020, given the ongoing COVID-19 pandemic. The OEB directed Hydro 2000 to file a DRO with a completed COVID-19 Foregone Revenue Rate Rider Model to calculate foregone revenue rate riders for the deferred implementation of rates. The Decision also allowed for submissions from Hydro 2000, OEB staff and VECC on the DRO.

On October 9, 2020, Hydro 2000 filed its DRO with a proposed Tariff of Rates and Charges. On October 16, 2020, OEB staff filed its submission on the DRO and submitted that Hydro 2000 had accurately reflected the Decision. As part of its submission, OEB staff also provided a minor update to Hydro 2000's COVID-19 Foregone Revenue Rate Rider Model to populate and generate the bill impacts of Hydro 2000's new rates. Based on the update, OEB staff submitted that the total bill impacts did not exceed 10% for any rate class and no rate mitigation is required.

No other submissions were received for the DRO.



### 3 RATE ORDER

The OEB has reviewed the information provided in support of Hydro 2000's DRO and proposed Tariff of Rates and Charges, including the updates provided by OEB staff in its submission. The OEB finds that the DRO accurately reflects the Decision.

The OEB has made some minor changes to the wording of the 2020 Tariff of Rates and Charges to ensure consistency with the tariff sheets of other Ontario electricity distributors. The OEB has also revised the Specific Service Charges section within the 2020 Tariff of Rates and Charges to conform to new customer service rules as ordered by the OEB in its Notice of Amendments to Codes and a Rule, issued on March 14, 2019.<sup>2</sup> The final approved Tariff of Rates and Charges is attached as Schedule A to this Final Rate Order.

The new rates approved in this Final Rate Order are to be effective September 1, 2020 and implemented on November 1, 2020.

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<sup>2</sup> EB-2017-0183, Notice of Amendments to Codes and a Rule – Amendments to the Distribution System Code, Standard Supply Code, Unit Sub-metering Code, and Gas Distribution Access Rule (and Associated Rate Order), March 14, 2019



## 4 ORDER

### THE ONTARIO ENERGY BOARD ORDERS THAT:

1. The Tariff of Rates and Charges set out in Schedule A of this Final Rate Order is final effective September 1, 2020 and is to be implemented November 1, 2020. The Tariff of Rates and Charges will apply to electricity consumed or estimated to have been consumed on and after November 1, 2020. Hydro 2000 Inc. shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new rates.

**DATED** at Toronto October 29, 2020

### ONTARIO ENERGY BOARD

*Original Signed By*

Christine E. Long  
Registrar



**SCHEDULE A: TARIFF OF RATES AND CHARGES**

**FINAL RATE ORDER**

**HYDRO 2000 INC.**

**EB-2019-0041**

**OCTOBER 29, 2020**



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

### Amended to Reflect the Implementation Date of November 1, 2020

### (unless indicated otherwise)

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

EB-2019-0041

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively by residential customers residing in detached, semi-detached or townhouse dwelling units. 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	\$	29.39
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$	1.16
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$	1.09
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$	(0.64)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0032
Low Voltage Service Rate	\$/kWh	0.0079
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$/kWh	(0.0006)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023 - Approved on an Interim Basis	\$/kWh	0.0036
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kWh	0.0018
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0056

## 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



**Hydro 2000 Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective September 1, 2020**  
**Amended to Reflect the Implementation Date of November 1, 2020**  
**(unless indicated otherwise)**

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

EB-2019-0041

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

This classification refers to a non residential account taking electricity at 750 volts or less whose average monthly average peak demand is less than, or is forecast to be less than, 50 kW. This section shall include small apartment buildings, stacked townhouses, and smaller commercial, industrial and institutional developments. 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	\$	23.21
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$	0.15
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0101
Low Voltage Service Rate	\$/kWh	0.0076
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023 - Approved on an Interim Basis	\$/kWh	0.0036
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kWh	0.0018
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kWh	0.0011
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kWh	0.0019
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

### **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



**Hydro 2000 Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective September 1, 2020**  
**Amended to Reflect the Implementation Date of November 1, 2020**  
**(unless indicated otherwise)**

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

EB-2019-0041

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

This classification refers to a non residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 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	\$	84.54
Distribution Volumetric Rate	\$/kW	1.5081
Low Voltage Service Rate	\$/kW	2.9607
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$/kW	0.0115



**Hydro 2000 Inc.**  
**TARIFF OF RATES AND CHARGES**  
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**EB-2019-0041**

Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023 - Approved on an Interim Basis	\$/kW	1.5588
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kW	0.6697
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kW	(0.2538)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kW	0.4289
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kW	0.0210
Retail Transmission Rate - Network Service Rate	\$/kW	2.4864
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0823

**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



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

### Amended to Reflect the Implementation Date of November 1, 2020

### (unless indicated otherwise)

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

EB-2019-0041

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, 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)	\$	1.31
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$	0.02
Distribution Volumetric Rate	\$/kW	7.6376
Low Voltage Service Rate	\$/kW	2.2889
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$/kW	0.1153
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023 - Approved on an Interim Basis	\$/kW	1.2398
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kW	0.6519
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kW	(0.2471)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kW	0.4174
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kW	2.2197
Retail Transmission Rate - Network Service Rate	\$/kW	1.8750
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6098

### 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



**Hydro 2000 Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective September 1, 2020**  
**Amended to Reflect the Implementation Date of November 1, 2020**  
**(unless indicated otherwise)**

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

EB-2019-0041

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/ documentation with regard to electrical demand/consumption of the proposed unmetered load. 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)	\$	4.79
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$	(3.63)
Distribution Volumetric Rate	\$/kWh	0.0135
Low Voltage Service Rate	\$/kWh	0.0076
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021	\$/kWh	(0.0111)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023 - Approved on an Interim Basis	\$/kWh	0.0036
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kWh	0.0018
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kWh	0.0011
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

### 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



**Hydro 2000 Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective September 1, 2020**  
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EB-2019-0041

## **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.

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

Service Charge	\$	4.55
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**Hydro 2000 Inc.**  
**TARIFF OF RATES AND CHARGES**  
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**ALLOWANCES**

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

**SPECIFIC SERVICE CHARGES**

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

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**Customer Administration**

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	25.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	15.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

**Non-Payment of Account**

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	25.00
Reconnection at meter - after regular hours	\$	50.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	415.00

**Other**

Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00



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		<b>EB-2019-0041</b>
Temporary service - install & remove - overhead - no transformer	\$	500.00
Temporary service - install & remove - underground - no transformer	\$	300.00
Temporary service - install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50



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EB-2019-0041

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	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	1.0772
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0664



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## **Appendix 2      2021 Proposed Tariff Sheet**



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

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

EB-2020-0028

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively by residential customers residing in detached, semi-detached or townhouse dwelling units. 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	\$	33.08
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021 - effective until April 30, 2021	\$	1.16
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$	1.09
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$	(0.64)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0079
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	0.0310
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2023	\$/kWh	0.0038
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023		
- Approved on an Interim Basis	\$/kWh	0.0036
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kWh	0.0018
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kWh	0.0002
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - - effective until April 30, 2021	\$/kWh	(0.0006)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

## 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



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

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

EB-2020-0028

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non residential account taking electricity at 750 volts or less whose average monthly average peak demand is less than, or is forecast to be less than, 50 kW. This section shall include small apartment buildings, stacked townhouses, and smaller commercial, industrial and institutional developments. 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	\$	23.69
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective until April 30, 2021	\$	0.15
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0103
Low Voltage Service Rate	\$/kWh	0.0076
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	0.0310
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2023	\$/kWh	0.0038
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023		
- Approved on an Interim Basis	\$/kWh	0.0036
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kWh	0.0018
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kWh	0.0011
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kWh	0.0019
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - - effective until April 30, 2021	\$/kWh	0.0036
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0054

### MONTHLY RATES AND CHARGES - Regulatory Component



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

**This schedule supersedes and replaces all previously  
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**EB-2020-0028**

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



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

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

EB-2020-0028

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

This classification refers to a non residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 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	\$	86.27
Distribution Volumetric Rate	\$/kW	1.5390
Low Voltage Service Rate	\$/kW	2.9607
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	0.0310
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2023	\$/kW	1.5346



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

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Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023		
- Approved on an Interim Basis	\$/kW	1.5588
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kW	0.6697
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kW	(0.2538)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kW	0.4289
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kW	0.0210
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021 - effective until April 30, 2021	\$/kW	0.0115
Retail Transmission Rate - Network Service Rate	\$/kW	2.5467
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1357

### **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



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

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EB-2020-0028

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, 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.

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## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.34
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021 - effective until April 30, 2021	\$	0.02
Distribution Volumetric Rate	\$/kW	7.7942
Low Voltage Service Rate	\$/kW	2.2889
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	0.0310
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2023	\$/kW	1.3778
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023		
- Approved on an Interim Basis	\$/kW	1.2398
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kW	0.6519
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kW	(0.2471)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kW	0.4174
Rate Rider for Disposition of Deferral/Variance Accounts 1568 - effective until June 30, 2022	\$/kW	2.2197
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - - effective until April 30, 2021	\$/kWh	0.1153
Retail Transmission Rate - Network Service Rate	\$/kW	1.9205
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6511

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
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# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

### Effective September 1, 2020

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**EB-2020-0028**

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



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

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EB-2020-0028

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/ documentation with regard to electrical demand/consumption of the proposed unmetered load. 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)	\$	4.89
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - effective from November 1, 2020 and effective until April 30, 2021 - effective until April 30, 2021	\$	(3.63)
Distribution Volumetric Rate	\$/kWh	0.0138
Low Voltage Service Rate	\$/kWh	0.0076
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2023	\$/kWh	0.0038
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023 - Approved on an Interim Basis	\$/kWh	0.0036
Rate Rider for Disposition of Deferral/Variance Accounts - effective until June 30, 2022	\$/kWh	0.0018
Rate Rider for Disposition of Account 1576 - effective until June 30, 2022	\$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts Group 2 - effective until June 30, 2022	\$/kWh	0.0011
Rate Rider for Recovery of COVID-19 Forgone Revenue from Postponing Rate Implementation - - effective until April 30, 2021	\$/kWh	(0.0111)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0054

### 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



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

Effective September 1, 2020

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

EB-2020-0028

### 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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### ALLOWANCES

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

### SPECIFIC SERVICE CHARGES

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

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

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

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

**Effective September 1, 2020**

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

**EB-2020-0028**

Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	25.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	15.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	25.00
Reconnection at meter - after regular hours	\$	50.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	415.00

### Other

Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service - install & remove - overhead - no transformer	\$	500.00
Temporary service - install & remove - underground - no transformer	\$	300.00
Temporary service - install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	45.48

## RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	104.24
Monthly fixed charge, per retailer	\$	41.70
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)



# Hydro 2000 Inc.

## TARIFF OF RATES AND CHARGES

**Effective September 1, 2020**

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

**EB-2020-0028**

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 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)	\$	4.17
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

## 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.

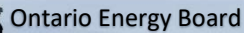
Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0772
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0664



1

## **Appendix 3      Bill Impacts**





## Incentive Rate-setting Mechanism Rate Generator for 2021 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 2020 or \$0.1368/kWh (IESO's Monthly Market Report for May 2020) 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	1.0772		
Proposed/Approved Loss Factor	1.0772		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 29.39	1	\$ 29.39	\$ 33.08	1	\$ 33.08	\$ 3.69	12.56%
Distribution Volumetric Rate	\$ 0.0032	750	\$ 2.40	\$ -	750	\$ -	\$ (2.40)	-100.00%
Fixed Rate Riders	\$ 0.52	1	\$ 0.52	\$ 0.52	1	\$ 0.52	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0006	750	\$ (0.45)	\$ 0.0006	750	\$ (0.45)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 31.86			\$ 33.15	\$ 1.29	4.05%
Line Losses on Cost of Power	\$ 0.1333	58	\$ 7.72	\$ 0.1333	58	\$ 7.72	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0056	750	\$ 4.20	\$ 0.0094	750	\$ 7.05	\$ 2.85	67.86%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0079	750	\$ 5.93	\$ 0.0079	750	\$ 5.93	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ 1.09	1	\$ 1.09	\$ 1.09	1	\$ 1.09	\$ -	0.00%
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 51.36			\$ 55.50	\$ 4.14	8.06%
RTSR - Network	\$ 0.0067	808	\$ 5.41	\$ 0.0069	808	\$ 5.57	\$ 0.16	2.99%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0056	808	\$ 4.52	\$ 0.0057	808	\$ 4.61	\$ 0.08	1.79%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 61.30			\$ 65.68	\$ 4.38	7.15%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	808	\$ 2.75	\$ 0.0034	808	\$ 2.75	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	808	\$ 0.40	\$ 0.0005	808	\$ 0.40	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1050	480	\$ 50.40	\$ 0.1050	480	\$ 50.40	\$ -	0.00%
TOU - Mid Peak	\$ 0.1500	135	\$ 20.25	\$ 0.1500	135	\$ 20.25	\$ -	0.00%
TOU - On Peak	\$ 0.2170	135	\$ 29.30	\$ 0.2170	135	\$ 29.30	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 164.64			\$ 169.03	\$ 4.38	2.66%
HST	13%		\$ 21.40	13%		\$ 21.97	\$ 0.57	2.66%
Ontario Electricity Rebate	33.2%		\$ (54.66)	33.2%		\$ (56.12)	\$ (1.45)	
<b>Total Bill on TOU</b>			\$ 131.39			\$ 134.88	\$ 3.50	2.66%



Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0772		
Proposed/Approved Loss Factor	1.0772		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.21	1	\$ 23.21	\$ 23.69	1	\$ 23.69	\$ 0.48	2.07%
Distribution Volumetric Rate	\$ 0.0101	2000	\$ 20.20	\$ 0.0103	2000	\$ 20.60	\$ 0.40	1.98%
Fixed Rate Riders	\$ 0.15	1	\$ 0.15	\$ 0.15	1	\$ 0.15	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0007	2000	\$ (1.40)	\$ 0.0029	2000	\$ 5.80	\$ 7.20	-514.29%
<b>Sub-Total A (excluding pass through)</b>			\$ 42.16			\$ 50.24	\$ 8.08	19.17%
Line Losses on Cost of Power	\$ 0.1333	154	\$ 20.58	\$ 0.1333	154	\$ 20.58	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0084	2,000	\$ 16.80	\$ 0.0122	2,000	\$ 24.40	\$ 7.60	45.24%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0076	2,000	\$ 15.20	\$ 0.0076	2,000	\$ 15.20	\$ -	0.00%
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	\$ -	\$ -	2,000	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 95.31			\$ 110.99	\$ 15.68	16.45%
RTSR - Network	\$ 0.0061	2,154	\$ 13.14	\$ 0.0062	2,154	\$ 13.36	\$ 0.22	1.64%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	2,154	\$ 11.42	\$ 0.0054	2,154	\$ 11.63	\$ 0.22	1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 119.87			\$ 135.98	\$ 16.11	13.44%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,154	\$ 7.32	\$ 0.0034	2,154	\$ 7.32	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,154	\$ 1.08	\$ 0.0005	2,154	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1050	1,280	\$ 134.40	\$ 0.1050	1,280	\$ 134.40	\$ -	0.00%
TOU - Mid Peak	\$ 0.1500	360	\$ 54.00	\$ 0.1500	360	\$ 54.00	\$ -	0.00%
TOU - On Peak	\$ 0.2170	360	\$ 78.12	\$ 0.2170	360	\$ 78.12	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 395.04			\$ 411.15	\$ 16.11	4.08%
HST	13%		\$ 51.35	13%		\$ 53.45	\$ 2.09	4.08%
Ontario Electricity Rebate	33.2%		\$ (131.15)	33.2%		\$ (136.50)	\$ (5.35)	
<b>Total Bill on TOU</b>			\$ 315.24			\$ 328.10	\$ 12.86	4.08%



Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	25,321	kWh
Demand	268	kW
Current Loss Factor	1.0772	
Proposed/Approved Loss Factor	1.0772	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 84.54	1	\$ 84.54	\$ 86.27	1	\$ 86.27	\$ 1.73	2.05%
Distribution Volumetric Rate	\$ 1.5081	268	\$ 404.17	\$ 1.5390	268	\$ 412.45	\$ 8.28	2.05%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.2423	268	\$ (64.94)	\$ 0.2423	268	\$ (64.94)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 423.77</b>			<b>\$ 433.79</b>	<b>\$ 10.01</b>	<b>2.36%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 2.6784	268	\$ 717.81	\$ 4.2130	268	\$ 1,129.08	\$ 411.27	57.30%
CBR Class B Rate Riders	\$ -	268	\$ -	\$ -	268	\$ -	\$ -	
GA Rate Riders	\$ -	25,321	\$ -	\$ 0.0310	25,321	\$ 784.95	\$ 784.95	
Low Voltage Service Charge	\$ 2.9607	268	\$ 793.47	\$ 2.9607	268	\$ 793.47	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	268	\$ -	\$ -	268	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 1,935.05</b>			<b>\$ 3,141.29</b>	<b>\$ 1,206.24</b>	<b>62.34%</b>
RTSR - Network	\$ 2.4864	268	\$ 666.36	\$ 2.5467	268	\$ 682.52	\$ 16.16	2.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.0823	268	\$ 558.06	\$ 2.1357	268	\$ 572.37	\$ 14.31	2.56%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 3,159.46</b>			<b>\$ 4,396.17</b>	<b>\$ 1,236.71</b>	<b>39.14%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	27,276	\$ 92.74	\$ 0.0034	27,276	\$ 92.74	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	27,276	\$ 13.64	\$ 0.0005	27,276	\$ 13.64	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	27,276	\$ 3,731.33	\$ 0.1368	27,276	\$ 3,731.33	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 6,997.42</b>			<b>\$ 8,234.12</b>	<b>\$ 1,236.71</b>	<b>17.67%</b>
HST	13%		\$ 909.66	13%		\$ 1,070.44	\$ 160.77	17.67%
Ontario Electricity Rebate	33.2%		\$ -	33.2%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 7,907.08</b>			<b>\$ 9,304.56</b>	<b>\$ 1,397.48</b>	<b>17.67%</b>



Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	12,621	kWh
Demand	68	kW
Current Loss Factor	1.0772	
Proposed/Approved Loss Factor	1.0772	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.31	370	\$ 484.70	\$ 1.34	370	\$ 495.80	\$ 11.10	2.29%
Distribution Volumetric Rate	\$ 7.6376	68	\$ 519.36	\$ 7.7942	68	\$ 530.01	\$ 10.65	2.05%
Fixed Rate Riders	\$ 0.02	370	\$ 7.40	\$ 0.02	370	\$ 7.40	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.1318	68	\$ (8.96)	-\$ 0.1318	68	\$ (8.96)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 1,002.49</b>			<b>\$ 1,024.24</b>	<b>\$ 21.75</b>	<b>2.17%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 4.5288	68	\$ 307.96	\$ 5.9066	68	\$ 401.65	\$ 93.69	30.42%
CBR Class B Rate Riders	\$ -	68	\$ -	\$ -	68	\$ -	\$ -	
GA Rate Riders	\$ -	12,621	\$ -	\$ 0.0310	12,621	\$ 391.25	\$ 391.25	
Low Voltage Service Charge	\$ 2.2889	68	\$ 155.65	\$ 2.2889	68	\$ 155.65	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	370	\$ -	\$ -	370	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	370	\$ -	\$ -	370	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	68	\$ -	\$ -	68	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 1,466.10</b>			<b>\$ 1,972.79</b>	<b>\$ 506.69</b>	<b>34.56%</b>
RTSR - Network	\$ 1.8750	68	\$ 127.50	\$ 1.9205	68	\$ 130.59	\$ 3.09	2.43%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.6098	68	\$ 109.47	\$ 1.6511	68	\$ 112.27	\$ 2.81	2.57%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 1,703.06</b>			<b>\$ 2,215.66</b>	<b>\$ 512.59</b>	<b>30.10%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	13,595	\$ 46.22	\$ 0.0034	13,595	\$ 46.22	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	13,595	\$ 6.80	\$ 0.0005	13,595	\$ 6.80	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	370	\$ 92.50	\$ 0.25	370	\$ 92.50	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	13,595	\$ 1,859.84	\$ 0.1368	13,595	\$ 1,859.84	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 3,708.43</b>			<b>\$ 4,221.02</b>	<b>\$ 512.59</b>	<b>13.82%</b>
HST	13%		\$ 482.10	13%		\$ 548.73	\$ 66.64	13.82%
Ontario Electricity Rebate	33.2%		\$ -	33.2%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 4,190.52</b>			<b>\$ 4,769.75</b>	<b>\$ 579.23</b>	<b>13.82%</b>



Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	361	kWh	
Demand	-	kW	
Current Loss Factor	1.0772		
Proposed/Approved Loss Factor	1.0772		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 4.79	4	\$ 19.16	\$ 4.89	4	\$ 19.56	\$ 0.40	2.09%
Distribution Volumetric Rate	\$ 0.0135	361	\$ 4.87	\$ 0.0138	361	\$ 4.98	\$ 0.11	2.22%
Fixed Rate Riders	\$ (3.63)	4	\$ (14.52)	\$ (3.63)	4	\$ (14.52)	\$ -	0.00%
Volumetric Rate Riders	-\$ 0.0118	361	\$ (4.26)	-\$ 0.0118	361	\$ (4.26)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 5.25</b>			<b>\$ 5.76</b>	<b>\$ 0.51</b>	<b>9.68%</b>
Line Losses on Cost of Power	\$ 0.1368	28	\$ 3.81	\$ 0.1368	28	\$ 3.81	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0065	361	\$ 2.35	\$ 0.0103	361	\$ 3.72	\$ 1.37	58.46%
CBR Class B Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	
GA Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0076	361	\$ 2.74	\$ 0.0076	361	\$ 2.74	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	4	\$ -	\$ -	4	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	4	\$ -	\$ -	4	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 14.16</b>			<b>\$ 16.04</b>	<b>\$ 1.88</b>	<b>13.28%</b>
RTSR - Network	\$ 0.0061	389	\$ 2.37	\$ 0.0062	389	\$ 2.41	\$ 0.04	1.64%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	389	\$ 2.06	\$ 0.0054	389	\$ 2.10	\$ 0.04	1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 18.59</b>			<b>\$ 20.55</b>	<b>\$ 1.96</b>	<b>10.53%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	389	\$ 1.32	\$ 0.0034	389	\$ 1.32	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	389	\$ 0.19	\$ 0.0005	389	\$ 0.19	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	4	\$ 1.00	\$ 0.25	4	\$ 1.00	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	361	\$ 49.38	\$ 0.1368	361	\$ 49.38	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 70.49</b>			<b>\$ 72.45</b>	<b>\$ 1.96</b>	<b>2.78%</b>
HST	13%		\$ 9.16	13%		\$ 9.42	\$ 0.25	2.78%
Ontario Electricity Rebate	33.2%		\$ (23.40)	33.2%		\$ (24.05)		
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 79.65</b>			<b>\$ 81.87</b>	<b>\$ 2.21</b>	<b>2.78%</b>



Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0772	
Proposed/Approved Loss Factor	1.0772	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 29.39	1	\$ 29.39	\$ 33.08	1	\$ 33.08	\$ 3.69	12.56%
Distribution Volumetric Rate	\$ 0.0032	750	\$ 2.40	\$ -	750	\$ -	\$ (2.40)	-100.00%
Fixed Rate Riders	\$ 0.52	1	\$ 0.52	\$ 0.52	1	\$ 0.52	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0006	750	\$ (0.45)	\$ 0.0006	750	\$ (0.45)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 31.86			\$ 33.15	\$ 1.29	4.05%
Line Losses on Cost of Power	\$ 0.1368	58	\$ 7.92	\$ 0.1368	58	\$ 7.92	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0056	750	\$ 4.20	\$ 0.0094	750	\$ 7.05	\$ 2.85	67.86%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ 0.0310	750	\$ 23.25	\$ 23.25	
Low Voltage Service Charge	\$ 0.0079	750	\$ 5.93	\$ 0.0079	750	\$ 5.93	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ 1.09	1	\$ 1.09	\$ 1.09	1	\$ 1.09	\$ -	0.00%
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 51.57			\$ 78.96	\$ 27.39	53.12%
RTSR - Network	\$ 0.0067	808	\$ 5.41	\$ 0.0069	808	\$ 5.57	\$ 0.16	2.99%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0056	808	\$ 4.52	\$ 0.0057	808	\$ 4.61	\$ 0.08	1.79%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 61.50			\$ 89.14	\$ 27.63	44.93%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	808	\$ 2.75	\$ 0.0034	808	\$ 2.75	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	808	\$ 0.40	\$ 0.0005	808	\$ 0.40	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1368	750	\$ 102.60	\$ 0.1368	750	\$ 102.60	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 167.25			\$ 194.89	\$ 27.63	16.52%
HST	13%		\$ 21.74	13%		\$ 25.34	\$ 3.59	16.52%
Ontario Electricity Rebate	33.2%		\$ (55.53)	33.2%		\$ (64.70)		
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 189.00			\$ 220.22	\$ 31.22	16.52%



1 **Appendix 4 2020 RRWF<sup>1</sup>**

2

3

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<sup>1</sup> MFR - Supporting documentation (e.g. relevant past decisions, RRWF etc.)





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2019 Filers

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## Notes:

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) ***Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.***
- (5) ***Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel format.***





# Revenue Requirement Workform (RRWF) for 2019 Filers

Data Input <sup>(1)</sup>

	Initial Application	(2)	Adjustments	Settlement Agreement	(6)	Adjustments	Per Board Decision
<b>1 Rate Base</b>							
Gross Fixed Assets (average)	\$1,074,600		(\$23,202)	\$ 1,051,398			\$1,051,398
Accumulated Depreciation (average)	(\$317,426)	(5)	\$207	(\$317,219)			(\$317,219)
<b>Allowance for Working Capital:</b>							
Controllable Expenses	\$507,699		(\$15,000)	\$ 492,699			\$492,699
Cost of Power	\$3,090,754		(\$561,432)	\$ 2,529,321			\$2,529,321
Working Capital Rate (%)	7.50%	(9)		7.50%	(9)		(9)
<b>2 Utility Income</b>							
Operating Revenues:							
Distribution Revenue at Current Rates	\$538,561		\$4,154	\$542,715			
Distribution Revenue at Proposed Rates	\$581,156		(\$29,258)	\$551,898			
<b>Other Revenue:</b>							
Specific Service Charges	\$7,596		\$0	\$7,596			
Late Payment Charges	\$6,337		\$0	\$6,337			
Other Distribution Revenue	\$13,588		\$9,217	\$22,805			
Other Income and Deductions	\$835		\$0	\$835			
Total Revenue Offsets	\$28,356	(7)	\$9,217	\$37,573			
Operating Expenses:							
OM+A Expenses	\$507,699		(\$15,000)	\$ 492,699			\$492,699
Depreciation/Amortization	\$47,219		(\$3,445)	\$ 43,774			\$43,774
Property taxes							
Other expenses							
<b>3 Taxes/PILs</b>							
Taxable Income:							
Adjustments required to arrive at taxable income	(\$54,693)	(3)		(\$19,275)			
<b>Utility Income Taxes and Rates:</b>							
Income taxes (not grossed up)	\$ -			\$1,684			
Income taxes (grossed up)	\$ -			\$1,925			
Federal tax (%)	9.00%			9.00%			
Provincial tax (%)	3.50%			3.50%			
Income Tax Credits							
<b>4 Capitalization/Cost of Capital</b>							
Capital Structure:							
Long-term debt Capitalization Ratio (%)	56.0%			56.0%			
Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)		(8)
Common Equity Capitalization Ratio (%)	40.0%			40.0%			
Preferred Shares Capitalization Ratio (%)	0.0%			0.0%			
	100.0%			100.0%			
<b>Cost of Capital</b>							
Long-term debt Cost Rate (%)	3.21%			3.21%			
Short-term debt Cost Rate (%)	2.75%			2.75%			
Common Equity Cost Rate (%)	8.52%			8.52%			
Preferred Shares Cost Rate (%)	0.00%			0.00%			

## Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) The default Working Capital Allowance factor is **7.5%** (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, a WCA factor based on lead-lag study, with supporting rationale could be provided.





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2019 Filers

## Rate Base and Working Capital

Line No.	Particulars	Initial Application	Adjustments	Settlement Agreement	Adjustments	Per Board Decision
1	Gross Fixed Assets (average) <sup>(2)</sup>	\$1,074,600	(\$23,202)	\$1,051,398	\$ -	\$1,051,398
2	Accumulated Depreciation (average) <sup>(2)</sup>	(\$317,426)	\$207	(\$317,219)	\$ -	(\$317,219)
3	Net Fixed Assets (average) <sup>(2)</sup>	\$757,174	(\$22,995)	\$734,179	\$ -	\$734,179
4	Allowance for Working Capital <sup>(1)</sup>	\$269,884	(\$43,232)	\$226,652	(\$226,652)	\$ -
5	<b>Total Rate Base</b>	<b>\$1,027,058</b>	<b>(\$66,227)</b>	<b>\$960,831</b>	<b>(\$226,652)</b>	<b>\$734,179</b>

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses	\$507,699	(\$15,000)	\$492,699	\$ -	\$492,699
7	Cost of Power	\$3,090,754	(\$561,432)	\$2,529,321	\$ -	\$2,529,321
8	Working Capital Base	\$3,598,453	(\$576,432)	\$3,022,020	\$ -	\$3,022,020
9	Working Capital Rate % <sup>(1)</sup>	7.50%	0.00%	7.50%	-7.50%	0.00%
10	Working Capital Allowance	\$269,884	(\$43,232)	\$226,652	(\$226,652)	\$ -

#### Notes

(1) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2018 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015.

(2) Average of opening and closing balances for the year.





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2019 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Settlement Agreement	Adjustments	Per Board Decision
	<b>Operating Revenues:</b>					
1	Distribution Revenue (at Proposed Rates)	\$581,156	(\$29,258)	\$551,898	\$ -	\$551,898
2	Other Revenue <sup>(1)</sup>	\$28,356	\$9,217	\$37,573	\$ -	\$37,573
3	Total Operating Revenues	\$609,512	(\$20,041)	\$589,471	\$ -	\$589,471
	<b>Operating Expenses:</b>					
4	OM+A Expenses	\$507,699	(\$15,000)	\$492,699	\$ -	\$492,699
5	Depreciation/Amortization	\$47,219	(\$3,445)	\$43,774	\$ -	\$43,774
6	Property taxes	\$ -	\$ -	\$ -	\$ -	\$ -
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$554,918	(\$18,445)	\$536,473	\$ -	\$536,473
10	Deemed Interest Expense	\$19,592	(\$1,263)	\$18,329	(\$4,324)	\$14,005
11	Total Expenses (lines 9 to 10)	\$574,510	(\$19,708)	\$554,801	(\$4,324)	\$550,478
12	Utility income before income taxes	\$35,002	(\$333)	\$34,670	\$4,324	\$38,993
13	Income taxes (grossed-up)	\$ -	\$1,925	\$1,925	\$ -	\$1,925
14	Utility net income	\$35,002	(\$2,257)	\$32,745	\$4,324	\$37,069

## Notes

### Other Revenues / Revenue Offsets

<sup>(1)</sup>	Specific Service Charges	\$7,596	\$ -	\$7,596	\$7,596
	Late Payment Charges	\$6,337	\$ -	\$6,337	\$6,337
	Other Distribution Revenue	\$13,588	\$9,217	\$22,805	\$22,805
	Other Income and Deductions	\$835	\$ -	\$835	\$835
	Total Revenue Offsets	\$28,356	\$9,217	\$37,573	\$37,573





# Revenue Requirement Workform (RRWF) for 2019 Filers

## Taxes/PILs

Line No.	Particulars	Application	Settlement Agreement	Per Board Decision
<b><u>Determination of Taxable Income</u></b>				
1	Utility net income before taxes	\$35,002	\$32,745	\$25,021
2	Adjustments required to arrive at taxable utility income	(\$54,693)	(\$19,275)	(\$19,275)
3	Taxable income	(\$19,691)	\$13,470	\$5,746
<b><u>Calculation of Utility income Taxes</u></b>				
4	Income taxes	\$ -	\$1,684	\$1,684
6	Total taxes	\$ -	\$1,684	\$1,684
7	Gross-up of Income Taxes	\$ -	\$241	\$241
8	Grossed-up Income Taxes	\$ -	\$1,925	\$1,925
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$ -	\$1,925	\$1,925
10	Other tax Credits	\$ -	\$ -	\$ -
<b><u>Tax Rates</u></b>				
11	Federal tax (%)	9.00%	9.00%	9.00%
12	Provincial tax (%)	3.50%	3.50%	3.50%
13	Total tax rate (%)	12.50%	12.50%	12.50%

## Notes





# Revenue Requirement Workform (RRWF) for 2019 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$575,152	3.21%	\$18,462
2	Short-term Debt	4.00%	\$41,082	2.75%	\$1,130
3	<b>Total Debt</b>	60.00%	\$616,235	3.18%	\$19,592
	<b>Equity</b>				
4	Common Equity	40.00%	\$410,823	8.52%	\$35,002
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	40.00%	\$410,823	8.52%	\$35,002
7	<b>Total</b>	100.00%	\$1,027,058	5.32%	\$54,594
		Settlement Agreement			
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$538,065	3.21%	\$17,272
2	Short-term Debt	4.00%	\$38,433	2.75%	\$1,057
3	<b>Total Debt</b>	60.00%	\$576,498	3.18%	\$18,329
	<b>Equity</b>				
4	Common Equity	40.00%	\$384,332	8.52%	\$32,745
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	40.00%	\$384,332	8.52%	\$32,745
7	<b>Total</b>	100.00%	\$960,831	5.32%	\$51,074
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
8	Long-term Debt	56.00%	\$411,140	3.21%	\$13,198
9	Short-term Debt	4.00%	\$29,367	2.75%	\$808
10	<b>Total Debt</b>	60.00%	\$440,507	3.18%	\$14,005
	<b>Equity</b>				
11	Common Equity	40.00%	\$293,672	8.52%	\$25,021
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	<b>Total Equity</b>	40.00%	\$293,672	8.52%	\$25,021
14	<b>Total</b>	100.00%	\$734,179	5.32%	\$39,026

### Notes







# Revenue Requirement Workform (RRWF) for 2019 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Settlement Agreement		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$48,680		\$9,183		(\$3,969)
2	Distribution Revenue	\$538,561	\$532,476	\$542,715	\$542,715	\$542,715	\$555,866
3	Other Operating Revenue	\$28,356	\$28,356	\$37,573	\$37,573	\$37,573	\$37,573
	Offsets - net						
4	<b>Total Revenue</b>	\$566,917	\$609,512	\$580,288	\$589,471	\$580,288	\$589,471
5	Operating Expenses	\$554,918	\$554,918	\$536,473	\$536,473	\$536,473	\$536,473
6	Deemed Interest Expense	\$19,592	\$19,592	\$18,329	\$18,329	\$14,005	\$14,005
8	<b>Total Cost and Expenses</b>	\$574,510	\$574,510	\$554,801	\$554,801	\$550,478	\$550,478
9	<b>Utility Income Before Income Taxes</b>	(\$7,593)	\$35,002	\$25,487	\$34,670	\$29,810	\$38,993
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$54,693)	(\$54,693)	(\$19,275)	(\$19,275)	(\$19,275)	(\$19,275)
11	<b>Taxable Income</b>	(\$62,286)	(\$19,691)	\$6,212	\$15,395	\$10,535	\$19,718
12	Income Tax Rate	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%
13	<b>Income Tax on Taxable Income</b>	\$ -	\$ -	\$776	\$1,924	\$1,317	\$2,465
14	<b>Income Tax Credits</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	<b>Utility Net Income</b>	(\$7,593)	\$35,002	\$24,710	\$32,745	\$28,493	\$37,069
16	<b>Utility Rate Base</b>	\$1,027,058	\$1,027,058	\$960,831	\$960,831	\$734,179	\$734,179
17	Deemed Equity Portion of Rate Base	\$410,823	\$410,823	\$384,332	\$384,332	\$293,672	\$293,672
18	Income/(Equity Portion of Rate Base)	-1.85%	8.52%	6.43%	8.52%	9.70%	12.62%
19	Target Return - Equity on Rate Base	8.52%	8.52%	8.52%	8.52%	8.52%	8.52%
20	Deficiency/Sufficiency in Return on Equity	-10.37%	0.00%	-2.09%	0.00%	1.18%	4.10%
21	Indicated Rate of Return	1.17%	5.32%	4.48%	5.32%	5.79%	6.96%
22	Requested Rate of Return on Rate Base	5.32%	5.32%	5.32%	5.32%	5.32%	5.32%
23	Deficiency/Sufficiency in Rate of Return	-4.15%	0.00%	-0.84%	0.00%	0.47%	1.64%
24	Target Return on Equity	\$35,002	\$35,002	\$32,745	\$32,745	\$25,021	\$25,021
25	Revenue Deficiency/(Sufficiency)	\$42,595	(\$0)	\$8,035	(\$0)	(\$3,473)	\$12,048
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	\$48,680 <sup>(1)</sup>		\$9,183 <sup>(1)</sup>		(\$3,969) <sup>(1)</sup>	

**Notes:**
<sup>(1)</sup> Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)





# Revenue Requirement Workform (RRWF) for 2019 Filers

## Revenue Requirement

Line No.	Particulars	Application		Settlement Agreement		Per Board Decision	
1	OM&A Expenses	\$507,699		\$492,699		\$492,699	
2	Amortization/Depreciation	\$47,219		\$43,774		\$43,774	
3	Property Taxes	\$ -					
5	Income Taxes (Grossed up)	\$ -		\$1,925		\$1,925	
6	Other Expenses	\$ -					
7	Return						
	Deemed Interest Expense	\$19,592		\$18,329		\$14,005	
	Return on Deemed Equity	\$35,002		\$32,745		\$25,021	
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$609,512</u>		<u>\$589,471</u>		<u>\$577,423</u>	
9	Revenue Offsets	\$28,356		\$37,573		\$ -	
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<u>\$581,156</u>		<u>\$551,898</u>		<u>\$577,423</u>	
11	Distribution revenue	\$581,156		\$551,898		\$551,898	
12	Other revenue	\$28,356		\$37,573		\$37,573	
13	<b>Total revenue</b>	<u>\$609,512</u>		<u>\$589,471</u>		<u>\$589,471</u>	
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$ -</u>	<sup>(1)</sup>	<u>(\$0)</u>	<sup>(1)</sup>	<u>\$12,048</u>	<sup>(1)</sup>

## Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application	Settlement Agreement	Δ% <sup>(2)</sup>	Per Board Decision	Δ% <sup>(2)</sup>
<b>Service Revenue Requirement</b>	\$609,512	\$589,471	(\$0)	\$577,423	(\$1)
<b>Grossed-Up Revenue</b>					
<b>Deficiency/(Sufficiency)</b>	\$48,680	\$9,183	(\$1)	(\$3,969)	(\$1)
<b>Base Revenue Requirement (to be recovered from Distribution Rates)</b>	\$581,156	\$551,898	(\$0)	\$577,423	(\$1)
<b>Revenue Deficiency/(Sufficiency) Associated with Base Revenue Requirement</b>	\$42,595	\$9,183	(\$1)	\$ -	(\$1)

### Notes

<sup>(1)</sup> Line 11 - Line 8

<sup>(2)</sup> Percentage Change Relative to Initial Application





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2019 Filers

## Load Forecast Summary

This spreadsheet provides a summary of the customer and load forecast on which the test year revenue requirement is derived. The amounts serve as the denominators for deriving the rates to recover the test year revenue requirement for purposes of this RRWF.

The information to be input is inclusive of any adjustments to kWh and kW to reflect the impacts of CDM programs up to and including CDM programs planned to be executed in the test year. i.e., the load forecast adjustments determined in **Appendix 2-I** should be incorporated into the entries. The inputs should correspond with the summary of the Load Forecast for the Test Year in **Appendix 2-IB** and in Exhibit 3 of the application.

**Appendix 2-IB** is still required to be filled out, as it also provides a year-over-year variance analysis of demand growth and trends from historical actuals to the Bridge and Test Year forecasts.

Stage in Process:

Settlement Agreement

Customer Class				Initial Application			Settlement Agreement			Per Board Decision		
Input the name of each customer class.				Customer / Connections	kWh	kW/kVA <sup>(1)</sup>	Customer / Connections	kWh	kW/kVA <sup>(1)</sup>	Customer / Connections	kWh	kW/kVA <sup>(1)</sup>
				Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual
1	Residential			1,113	12,367,886	-	1,113	12,657,112				
2	General Service < 50 kW			141	3,861,286	-	141	4,049,207				
3	General Service > 50 to 4999 kW			13	3,984,230	10,671	13	4,111,838	11,013			
4	Street Lighting			370	153,000	421	370	153,000	421			
5	Unmetered Scattered Load			4	17,280	-	4	17,280				
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
Total					20,383,682	11,092		20,988,437	11,434		-	-

Notes:

<sup>(1)</sup> Input kW or kVA for those customer classes for which billing is based on demand (kW or kVA) versus energy consumption (kWh)





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2019 Filers

## Cost Allocation and Rate Design

This spreadsheet replaces **Appendix 2-P** and provides a summary of the results from the Cost Allocation spreadsheet, and is used in the determination of the class revenue requirement and, hence, ultimately, the determination of rates from customers in all classes to recover the revenue requirement.

Stage in Application Process: **Settlement Agreement**

### A) Allocated Costs

Name of Customer Class <sup>(3)</sup>	Costs Allocated from Previous Study <sup>(1)</sup>	%	Allocated Class Revenue Requirement <sup>(1)</sup>	%
From Sheet 10. Load Forecast				
			(7A)	
1 Residential	\$ 352,207	68.35%	\$ 480,807	81.55%
2 General Service < 50 kW	\$ 107,443	20.85%	\$ 69,140	11.73%
3 General Service > 50 to 4999 kW	\$ 42,118	8.17%	\$ 28,702	4.87%
4 Street Lighting	\$ 11,697	2.27%	\$ 10,502	1.78%
5 Unmetered Scattered Load	\$ 1,823	0.35%	\$ 414	0.07%
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
<b>Total</b>	<b>\$ 515,288</b>	<b>100.00%</b>	<b>\$ 589,564</b>	<b>100.00%</b>
Service Revenue Requirement (from Sheet 9)			<b>\$ 589,471.03</b>	

- (1) Class Allocated Revenue Requirement, from Sheet O-1, Revenue to Cost || RR, row 40, from the Cost Allocation Study in this application. This excludes costs in deferral and variance accounts. For Embedded Distributors, Account 4750 - Low Voltage (LV) Costs are also excluded.
- (2) Host Distributors - Provide information on any embedded distributor(s) as a separate class, if applicable. If embedded distributors are billed in a General Service class, include the allocated costs and revenues of the embedded distributor(s) in the applicable class, and also complete Appendix 2-Q.
- (3) Customer Classes - If these differ from those in place in the previous cost allocation study, modify the customer classes to match the proposal in the current application as closely as possible.



**B) Calculated Class Revenues**

Name of Customer Class		Load Forecast (LF) X current approved rates (7B)	LF X current approved rates X (1+d) (7C)	LF X Proposed Rates (7D)	Miscellaneous Revenues (7E)
1	Residential	\$ 424,662	\$ 431,896	\$ 433,978	\$ 31,261
2	General Service < 50 kW	\$ 78,614	\$ 79,953	\$ 78,952	\$ 4,004
3	General Service > 50 to 4999 kW	\$ 29,301	\$ 29,801	\$ 29,801	\$ 1,086
4	Street Lighting	\$ 8,620	\$ 8,767	\$ 8,766	\$ 1,127
5	Unmetered Scattered Load	\$ 1,518	\$ 1,544	\$ 464	\$ 32
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
<b>Total</b>		\$ 542,715	\$ 551,961	\$ 551,961	\$ 37,510

- (4) In columns 7B to 7D, LF means Load Forecast of Annual Billing Quantities (i.e., customers or connections, as applicable X 12 months, and kWh, kW or kVA as applicable. Revenue quantities should be net of the Transformer Ownership Allowance for applicable customer classes. Exclude revenues from rate adders and rate riders.
- (5) Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.
- (6) Column 7C - The OEB-issued cost allocation model calculates "1+d" on worksheet O-1, cell C22. "d" is defined as Revenue Deficiency/Revenue at Current Rates.
- (7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,



C) **Rebalancing Revenue-to-Cost Ratios**

	Name of Customer Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
		Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
		2014			
		%	%	%	%
1	Residential	95.00	96.33%	96.76%	85 - 115
2	General Service < 50 kW	120.00	121.43%	119.98%	80 - 120
3	General Service > 50 to 4999 kW	120.00	107.61%	107.61%	80 - 120
4	Street Lighting	103.00	94.21%	94.21%	80 - 120
5	Unmetered Scattered Load	110.00	381.17%	119.98%	80 - 120
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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18					
19					
20					

- (8) Previously Approved Revenue-to-Cost (R/C) Ratios - For most applicants, the most recent year would be the third year (at the latest) of the Price Cap IR period. For example, if the applicant, rebased in 2012 with further adjustments to move within the range over two years, the Most Recent Year would be 2015. However, the ratios in 2015 would be equal to those after the adjustment in 2014.
- (9) Status Quo Ratios - The OEB-issued cost allocation model provides the Status Quo Ratios on Worksheet O-1. The Status Quo means "Before Rebalancing".
- (10) Ratios shown in red are outside of the allowed range. Applies to both Tables C and D.



(D) **Proposed Revenue-to-Cost Ratios** <sup>(11)</sup>

Name of Customer Class		Proposed Revenue-to-Cost Ratio			Policy Range
		Test Year	Price Cap IR Period		
		2020	2021	2022	
1	Residential	96.76%	96.76%	96.76%	85 - 115
2	General Service < 50 kW	119.98%	119.98%	119.98%	80 - 120
3	General Service > 50 to 4999 kW	107.61%	107.61%	107.61%	80 - 120
4	Street Lighting	94.21%	94.21%	94.21%	80 - 120
5	Unmetered Scattered Load	119.98%	119.98%	119.98%	80 - 120
6					
7					
8					
9					
10					
11					
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18					
19					
20					

(11) The applicant should complete Table D if it is applying for approval of a revenue-to-cost ratio in 2019 that is outside of the OEB's policy range for any customer class. Table D will show that the distributor is likely to enter into the 2020 and 2021 Price Cap IR models, as necessary. For 2020 and 2021, enter the planned revenue-to-cost ratios that will be "Change" or "No Change" in 2018 (in the current Revenue/Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision - Cost Revenue Adjustment, column d), and enter TBD for class(es) that will be entered as 'Rebalance'.





Ontario Energy Board

# Revenue Requirement (RRWF) for 2019 F

## New Rate Design Policy For Residential C

Please complete the following tables.

### A Data Inputs (from Sheet 10. Load Forecast)

Test Year Billing Determinants for Residential Class	
Customers	1,113
kWh	12,657,112

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 433,977.98
--	---------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 25.92
Distribution Volumetric Rate (\$/kWh)	\$ 0.0062

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants
Fixed	25.92	1,113
Variable	0.0062	12,657,112
<b>TOTAL</b>	-	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	2
--	---

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split
Fixed	\$ 353,782.30	26.49
Variable	\$ 80,195.69	0.0063
<b>TOTAL</b>	\$ 433,977.98	-

	New F/V Split	Revenue @ new F/V Split
--	---------------	-------------------------



Fixed	90.76%	\$	393,880.14
Variable	9.24%	\$	40,097.84
TOTAL	-	\$	433,977.98

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 3.00
Difference Between Revenues @ Proposed Rates	\$393.21
and Class Specific Revenue Requirement	0.09%

**Notes:**

- <sup>1</sup> The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, a used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- <sup>2</sup> The distributor should enter the number of years remaining before the transition to fully fixed rates is complete over a four year period and began the transition in 2016 would input the number "3" into cell D40. A would input the number "4". Where the change in the residential rate design will result in the fixed charge may propose an additional transition year.
- <sup>3</sup> Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)



This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and volumetric rates based on the allocated class revenues and fixed/variable split resulting from the cost allocation study and rate design and as proposed by the applicant. However, the RRFW does not replace the rate generator model that an applicant distributor may use in support of its application. The RRFW provides a demonstrative check on the derivation of the revenue requirement and on the proposed base distribution rates to recover the revenue requirement, based on summary information from a more detailed rate generator model and other models that applicants use for cost allocation, load forecasting, taxes/PILs, etc.

[illegible]

<sup>1</sup> Transformer Ownership Allowance is entered as a positive amount, and only for those classes to which it applies.

<sup>2</sup> The Fixed/Variable split, for each customer class, drives the "rate generator" portion of this sheet of the RRWF. Only the "fixed" fraction is entered, as the sum of the "fixed" and "variable" portions must sum to 100%. For a distributor that may set the Monthly Service Charge, the "fixed" ratio is calculated as:  $MSC \times (\text{average number of customers or connections}) \times 12 \text{ months}) / (\text{Class Allocated Revenue Requirement})$ .





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2019 Filers

## Tracking Form

The first row shown, labelled "Original Application", summarizes key statistics based on the data inputs into the RRWF. After the original application filing, the applicant provides key changes in capital and operating expenses, load forecasts, cost of capital, etc., as revised through the processing of the application. This could be due to revisions or responses to interrogatories. The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

<sup>(1)</sup> Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

<sup>(2)</sup> Short description of change, issue, etc.

## Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 54,594	5.32%	\$ 1,027,058	\$ 3,598,453	\$ 269,884	\$ 47,219	\$ -	\$ 507,699	\$ 609,512	\$ 28,356	\$ 581,156	\$ 48,680



1                   **Appendix 5        2021 PDF of IRM Generator**  
2           **The IRM Rate Generator cannot be PDF, therefore, is being filed in**  
3                   **Excel format only**



1                                    **Appendix 5            2021 PDF of GA Workform**

2





# GA Analysis Workform

Version 1.9

## Account 1589 Global Adjustment (GA) Analysis Workform

Input cells

Drop down cells

Utility Name HYDRO 2000 INC.

### Note 1

For Account 1589,

a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis.

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

i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for disposition on an interim basis. OR

ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)

#### Instructions:

1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the GA Analysis Workform tabs and the Principal Adjustments tab.

For example:

- Scenario a - If 2018 balances were last approved on a final basis - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bi - If 2018 balances were last approved on an interim basis and there are no changes to 2018 balances - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.

2) Complete the GA Analysis Workform for each year generated.

3) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2017	\$ 1,035	\$ 2,065	\$ -	\$ 2,065	\$ 1,030	\$ 412,152	0.2%
2018	\$ (9,729)	\$ (7,034)	\$ -	\$ (7,034)	\$ 2,695	\$ 388,918	0.7%
2019	\$ 9,694	\$ 6,886	\$ -	\$ 6,886	\$ (2,808)	\$ 443,178	-0.6%
<b>Cumulative Balance</b>	<b>\$ 999</b>	<b>\$ 1,917</b>	<b>\$ -</b>	<b>\$ 1,917</b>	<b>\$ 917</b>	<b>\$ 1,244,248</b>	<b>N/A</b>





# GA Analysis Workform

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year	2017			
Total Metered excluding WMP	C = A+B	8,996,825	kWh	100%
RPP	A	6,896,834	kWh	76.7%
Non RPP	B = D+E	2,099,991	kWh	23.3%
Non-RPP Class A	D	-	kWh	0.0%
Non-RPP Class B*	E	2,099,991	kWh	23.3%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2017								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	444,165			444,165	0.06687	\$ 29,701	0.08227	\$ 36,541	\$ 6,840
February	383,531			383,531	0.10559	\$ 40,497	0.08639	\$ 33,133	\$ (7,364)
March	420,880			420,880	0.08409	\$ 35,392	0.07135	\$ 30,030	\$ (5,362)
April	296,595			296,595	0.06874	\$ 20,388	0.10778	\$ 31,967	\$ 11,579
May	318,222			318,222	0.10623	\$ 33,805	0.12307	\$ 39,164	\$ 5,359
June	253,876			253,876	0.11954	\$ 30,348	0.11848	\$ 30,079	\$ (269)
July	270,030			270,030	0.10652	\$ 28,764	0.11280	\$ 30,459	\$ 1,696
August	271,929			271,929	0.11500	\$ 31,272	0.10109	\$ 27,489	\$ (3,783)
September	350,811			350,811	0.12739	\$ 44,690	0.08864	\$ 31,096	\$ (13,594)
October	324,178			324,178	0.10212	\$ 33,105	0.12563	\$ 40,726	\$ 7,621
November	384,018			384,018	0.11164	\$ 42,872	0.09704	\$ 37,265	\$ (5,607)
December	480,083			480,083	0.08391	\$ 40,284	0.09207	\$ 44,201	\$ 3,917
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	4,198,318	-	-	4,198,318		\$ 411,117		\$ 412,152	\$ 1,035

Calculated Loss Factor 1.9992  
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0772  
Difference 0.9220

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

New OEB models were used to recalculate the variances for accounts 1588 and 1589 from 2017 to 2019. All clients are bi

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%

With the new method, recalculations have made remade for 2017, 2018 and 2019. Because the previous method was different, there is a sl

Note 5 **Reconciling Items**

Item	Amount	Explanation	Principal Adjustments
------	--------	-------------	-----------------------



Net Change in Principal Balance in the GL (i.e. Transactions in the Year)			Principal Adjustment on DVA Continuity Schedule	If "no", please provide an explanation
		\$ 2,065		
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year			
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year			
2a	Remove prior year end unbilled to actual revenue differences			
2b	Add current year end unbilled to actual revenue differences			
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers			
3b	Add difference between current year accrual/forecast to actual from long term load transfers			
4	Remove GA balances pertaining to Class A customers			
5	Significant prior period billing adjustments recorded in current year			
6	Differences in GA IESO posted rate and rate charged on IESO invoice			
7	Differences in actual system losses and billed TLFs			
8	Others as justified by distributor			
9				
10				

Note 6	<b>Adjusted Net Change in Principal Balance in the GL</b>	\$ 2,065
	<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	\$ 1,035
	<b>Unresolved Difference</b>	\$ 1,030
	<b>Unresolved Difference as % of Expected GA Payments to IESO</b>	<u>0.2%</u>





Ontario Energy Board

## GA Analysis Workform

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year	2018			
Total Metered excluding WMP	C = A+B	22,074,503	kWh	100%
RPP	A	17,038,217	kWh	77.2%
Non RPP	B = D+E	5,036,286	kWh	22.8%
Non-RPP Class A	D	-	kWh	0.0%
Non-RPP Class B*	E	5,036,286	kWh	22.8%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2018								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	519,831			519,831	0.08777	\$ 45,626	0.06736	\$ 35,016	\$ (10,610)
February	432,883			432,883	0.07333	\$ 31,743	0.08167	\$ 35,354	\$ 3,610
March	434,140			434,140	0.07877	\$ 34,197	0.09481	\$ 41,161	\$ 6,964
April	371,349			371,349	0.09810	\$ 36,429	0.09959	\$ 36,983	\$ 553
May	281,898			281,898	0.09392	\$ 26,476	0.10793	\$ 30,425	\$ 3,949
June	267,748			267,748	0.13336	\$ 35,707	0.11896	\$ 31,851	\$ (3,856)
July	290,840			290,840	0.08502	\$ 24,727	0.07737	\$ 22,502	\$ (2,225)
August	282,731			282,731	0.07790	\$ 22,025	0.07490	\$ 21,177	\$ (848)
September	267,980			267,980	0.08424	\$ 22,575	0.08584	\$ 23,003	\$ 429
October	318,093			318,093	0.08921	\$ 28,377	0.12059	\$ 38,359	\$ 9,982
November	396,292			396,292	0.12235	\$ 48,486	0.09855	\$ 39,055	\$ (9,432)
December	459,653			459,653	0.09198	\$ 42,279	0.07404	\$ 34,033	\$ (8,246)
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	4,323,438	-	-	4,323,438		\$ 398,647		\$ 388,918	\$ (9,729)

Calculated Loss Factor 0.8585

Most Recent Approved Loss Factor for Secondary Metered

Customer < 5,000kW 1.0772

Difference -0.2187

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

New OEB models were used to recalculate the variances for accounts 1588 and 1589 from 2017 to 2019. All clients are bi

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%

With the new method, recalculations have made remade for 2017, 2018 and 2019. Because the previous method was different, there is a sl

Note 5 **Reconciling Items**

Item	Amount	Explanation	Principal Adjustments
------	--------	-------------	-----------------------



Net Change in Principal Balance in the GL (i.e. Transactions in the Year)			Principal Adjustment on DVA Continuity Schedule	If "no", please provide an explanation
		\$ (7,034)		
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year			
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year			
2a	Remove prior year end unbilled to actual revenue differences			
2b	Add current year end unbilled to actual revenue differences			
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers			
3b	Add difference between current year accrual/forecast to actual from long term load transfers			
4	Remove GA balances pertaining to Class A customers			
5	Significant prior period billing adjustments recorded in current year			
6	Differences in GA IESO posted rate and rate charged on IESO invoice			
7	Differences in actual system losses and billed TLFs			
8	Others as justified by distributor			
9				
10				

Note 6	Adjusted Net Change in Principal Balance in the GL	\$ (7,034)
	Net Change in Expected GA Balance in the Year Per Analysis	\$ (9,729)
	Unresolved Difference	\$ 2,695
	Unresolved Difference as % of Expected GA Payments to IESO	0.7%





# GA Analysis Workform

**Note 2 Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year	2019			
Total Metered excluding WMP	C = A+B	20,990,744	kWh	100%
RPP	A	17,072,356	kWh	81.3%
Non RPP	B = D+E	3,918,388	kWh	18.7%
Non-RPP Class A	D	-	kWh	0.0%
Non-RPP Class B*	E	3,918,388	kWh	18.7%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

**Note 3 GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

**Note 4 Analysis of Expected GA Amount**

Year	2019								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	465,779			465,779	0.06741	\$ 31,398	0.08092	\$ 37,691	\$ 6,293
February	442,970			442,970	0.09657	\$ 42,778	0.08812	\$ 39,035	\$ (3,743)
March	439,438			439,438	0.08105	\$ 35,616	0.08041	\$ 35,335	\$ (281)
April	359,417			359,417	0.08129	\$ 29,217	0.12333	\$ 44,327	\$ 15,110
May	295,092			295,092	0.12860	\$ 37,949	0.12604	\$ 37,193	\$ (755)
June	267,869			267,869	0.12444	\$ 33,334	0.13728	\$ 36,773	\$ 3,439
July	279,695			279,695	0.13527	\$ 37,834	0.09645	\$ 26,977	\$ (10,858)
August	263,516			263,516	0.07211	\$ 19,002	0.12607	\$ 33,221	\$ 14,219
September	255,936			255,936	0.12934	\$ 33,103	0.12263	\$ 31,385	\$ (1,717)
October	294,209			294,209	0.17878	\$ 52,599	0.13680	\$ 40,248	\$ (12,351)
November	392,906			392,906	0.10727	\$ 42,147	0.09953	\$ 39,106	\$ (3,041)
December	449,384			449,384	0.08569	\$ 38,508	0.09321	\$ 41,887	\$ 3,379
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	4,206,211	-	-	4,206,211		\$ 433,484		\$ 443,178	\$ 9,694

Calculated Loss Factor 1.0735  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0772  
 Difference -0.0037

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

New OEB models were used to recalculate the variances for accounts 1588 and 1589 from 2017 to 2019. All clients are bi

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%

With the new method, recalculations have made remade for 2017, 2018 and 2019. Because the previous method was different, there is a sl

**Note 5 Reconciling Items**

Item	Amount	Explanation	Principal Adjustments
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 6,886		Principal Adjustment on DVA Continuity Schedule If "no", please provide an explanation



CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year				
CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year				
Remove prior year end unbilled to actual revenue differences				
Add current year end unbilled to actual revenue differences				
Remove difference between prior year accrual/unbilled to actual from load transfers				
Add difference between current year accrual/unbilled to actual from load transfers				
Significant prior period billing adjustments recorded in current year				
Differences in actual system losses and billed TLFs				
CT 2148 for prior period corrections				
Others as justified by distributor				

Note 6	Adjusted Net Change in Principal Balance in the GL	\$	6,886
	Net Change in Expected GA Balance in the Year Per Analysis	\$	9,694
	Unresolved Difference	\$	(2,808)
	Unresolved Difference as % of Expected GA Payments to IESO		-0.6%



# GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment			
	Adjustment Description	Amount	To be reversed in current application?
1			
2			
3			
4			
5			
6			
7			
8			
Total		-	
Total principal adjustments included in last approved balance			
Difference		-	

Account 1588 - RSVA Power			
	Adjustment Description	Amount	To be Reversed in Current Application?
1			
2			
3			
4			
5			
6			
7			
8			
Total		-	
Total principal adjustments included in last approved balance			
Difference		-	

Note 8 **Principal adjustment reconciliation in current application**

**Notes**

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Year	Account 1589 - RSVA Global Adjustment		
	Adjustment Description	Amount	Year Recorded in GL
	Reversals of prior approved principal adjustments (auto-populated from table above)		
	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	-	
	Current year principal adjustments		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes		
	2 Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	-	

Year	Account 1588 - RSVA Power		
	Adjustment Description	Amount	Year Recorded in GL
	Reversals of prior approved principal adjustments (auto-populated from table above)		
	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	-	
	Current year principal adjustments		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals		
	3 Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	-	



Year	Adjustment Description	Amount	Year Recorded in GL
	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of prior year CT-148 true-up of GA Charges based on actual Non-RPP volumes		
	2 Reversal of Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	-	
	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes		
	2 Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	-	

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of prior year CT-148 true-up of GA Charges based on actual		
	2 Reversal of Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	-	
	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes		
	2 Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	-	

Year	Adjustment Description	Amount	Year Recorded in GL
	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of CT 148 true-up of GA Charges based on actual RPP volumes		
	2 Reversal of CT 1142 true-up based on actuals		
	3 Reversal of Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	-	
	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals		
	3 Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	-	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of CT 148 true-up of GA Charges based on actual RPP volumes		
	2 Reversal of CT 1142 true-up based on actuals		
	3 Reversal of Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	-	
	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals		
	3 Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	-	