



Hydro 2000 Inc.

2019 IRM APPLICATION
EB-2018-0039

Submitted on: January 22,2019

Hydro 2000 Inc.
440 rue St-Philippe St.
Alfred, ON
K0B 1A0
613-679-4093



January 22, 2018

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

Attention: Ms. Kirsten Walli, Board Secretary

Dear Ms. Walli,

Regarding: 2019 IRM Application (EB-2018-0039)

Hydro 2000 is pleased to submit to the Ontario Energy Board its 2019 IRM Application. This application is being filed pursuant to the Board's e-Filing Services.

Hard copies of the application will be sent to the OEB's offices via courier within a week.

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

Yours truly,

Original Signed by:

Lise Wilkinson
General Manager,
Hydro 2000 Inc.
440 rue St-Philippe St.
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TABLE OF CONTENTS

1	Table of Contents.....	2
2	1 Introduction	4
3	2 Distributor’s profile	7
4	3 publication notice	8
5	4 Price cap adjustment	9
6	5 Revenue to Cost Ratio Adjustment.....	10
7	6 Rate Design for Residential Class.....	10
8	7 RTSR Adjustment.....	11
9	8 Deferral and Variance Account	12
10	9 Specific Service CHARGES.....	13
11	10 Global Adjustment.....	13
12	11 Disposition of LRAMVA	24
13	12 Tax Change.....	26
14	13 ICM/Z-Factor.....	26
15	14 Current Tariff Sheet.....	26
16	15 Proposed Tariff Sheet	26
17	16 Bill Impact	26
18	17 Certification of Evidence.....	29
19	Appendices	30

Table of Figures

1	Table 1 - Price Cap Parameters.....	9
2	Table 2 - Revenue To Cost Ratio Adjustment	10
3	Table 3 - Current vs Proposed Distribution Rates	10
4	Table 4 - Proposed RTSR.....	11
5	Table 5 - Deferral and Variance Account balances	13
6	Table 6 – Summary of Bill Impacts	28
7		

IN THE MATTER OF the Ontario Energy Board Act, 1998, S.O.

1998, c.15, (Schedule B); **AND IN THE MATTER OF** an

Application by Hydro 2000 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, 2019.

1 INTRODUCTION

Hydro 2000 Inc. ("Hydro 2000") hereby applies to the Ontario Energy Board (the "Board") for approval of its 2019 Distribution Rate Adjustments effective May 1, 2019. 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.

Hydro 2000 has followed Chapter 3 of the Board's Filing Requirements for Transmission and Distribution Applications dated July 12, 2018 along with the Key References listed at section 3.1.1 of the Chapter 3 Incentive Rate-Setting Applications

In the event that the Board is unable to provide a Decision and Order in this Application for implementation by the Applicant as of May 1, 2019, 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 2019 distribution rates. If the effective date does not coincide with the Board's decided implementation date for 2019 distribution rates and charges, Hydro 2000 requests to be permitted to recover the incremental revenue from the effective date to the implementation date.

Hydro 2000 requests that this application be disposed of by way of a written hearing. Hydro 2000 confirms that the billing determinants used in the model are from most recent

1 reported RRR filings. The utility reviewed both the existing "Tariff Sheets" and billing
2 determinants in the pre-populated worksheets and confirms that they were accurate.

3 In the preparation of this application, Hydro 2000 used the 2019 IRM Rate Generator
4 issued on July 12, 2018. The rate and other adjustments being applied for and as
5 calculated using the above models include a Price Cap incentive Rate-Setting ("Price Cap
6 IR") option to adjust its 2019 rates. (The Price Cap IR methodology provides for a
7 mechanistic and formulaic adjustment to distribution rates and charges in the period
8 between Cost of Service applications). The model also adjusts Retail Transmission Service
9 Rates in accordance with Board Guideline G-2008-0001 - Electricity Distribution Retail
10 Transmission Service Rates revised on June 28, 2012.

11 Hydro 2000 also applies for the following matter;

- 12 • Continuance of the Specific Services charges and Loss Factors.
- 13 • Continuance of the MicroFit monthly charge.
- 14 • Continuance of the Smart Meter Entity charge.
- 15 • In compliance of the OEB's new rate design policy for residential customers,
16 Hydro 2000 requests approval of a revised Minimum Fixed Charge of \$25.92 up
17 from previously Board Approved \$22.10 and thus reducing the Volumetric
18 Charge from previously Board Approved \$0.0.0091 to \$0.0062 Further details
19 on Bill Impacts are presented at Section 16 of this application.

20

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

- 3 • Rate Adders, Rate Riders, Low Voltage Service Charges, Retail Transmission
4 Service Rates, Wholesale Market Service Rate, Rural and Remote Rate
5 Protection Benefit and Charge, Standard Supply Service – Administrative
6 Charge, MicroFit Service Charge, Specific Service Charges, Retail Service
7 Charges, Transformation and Primary Metering Allowances, Smart Metering
8 Entity Charge.

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

11

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 3 employees; a General Manager, a billing clerk and a Customer Service Representative.

Hydro 2000 expects the status quo for the business conditions over the planning horizon of this report; no growth and no decline. There are no known expansion plans for industrial, commercial or residential segments of the economy nor are there any known planned closures in the industrial or commercial segments of the economy. The lack of change in the economy means that there is no growth-based capital work proposed by Hydro 2000

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 Longueil 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 regards.

Hydro 2000's last Cost of Service application was for rates effective May 1, 2012.

21

3 PUBLICATION NOTICE

Hydro 2000 is proposing that its notice related to this Application appears in the following publications;

- “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

The primary contact for the herein application is:

Lise Wilkinson, General Manager

Hydro 2000 Inc.

440, St-Philippe

Alfred, On

K0B 1A0

Tel: 613-679-4093

The alternate contact for the herein application is;

Manuela Ris-Schofield

Tandem Energy Services Inc

Phone: 519-856-0080

This application and all documents related to this application will be made available on Hydro 2000's website at: <http://hydro200.ca>. The application will also be available on the OEB's website at www.ontarioenergyboard.ca, under Board File Number EB-2018-0039.

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 III with a Price Escalator of 1.50, Price Cap Index of 1.35% and a Stretch Factor Value of 0.15%.

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

Table 1 - Price Cap Parameters

Stretch Factor Group	III
Set Price Escalator	1.50%
Stretch Factor Value	0.15%
Productivity Factor	0.00%
Price Cap Index	1.35%

Hydro 2000 has used the model's default 2018 rate-setting parameters as a placeholder and understands Board staff will update Hydro 2000's 2019 IRM Rate Generator model once the 2019 stretch factor assignment and inflation factors are issued by the OEB.

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; Retailer Service Charges.

1 **5 REVENUE TO COST RATIO ADJUSTMENT**

2 Hydro 2000 is not proposing to adjust its revenue to cost ratios in this proceeding as its revenue
3 to cost ratios were adjusted and set as part of the 2012 Cost of Service Application.

4 **6 RATE DESIGN FOR RESIDENTIAL CLASS**

5 In accordance with the Rate Design for Residential Electricity policy issued on April 2,
6 2015, Hydro 2000 followed the approach set out in sheet 16 of the rate generator model
7 to implement the last yearly adjustment to its Monthly Fixed Charge. Worksheet 16 of the
8 model, which is reproduced below, shows an incremental fixed charge of \$3.47 which
9 falls below the \$4.00 threshold. Table 2 shows the existing rates compared to the proposed
10 rates. The bill impacts are discussed further at Section 15 of this application.

11 **Table 2 - Revenue to Cost Ratio Adjustment**

Rate Design Transition		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates ¹	Revenue at New F/V Split
Current Residential Fixed Rate (Inclusive of R/C adj.)	22.1000	281,377	68.0%	10.7%	3.47	78.6%	25.57	325,557
Current Residential Variable Rate (Inclusive of R/C adj.)	0.0091	132,665	32.0%			21.4%	0.0061	88,929
		414,042						414,487

12

13 **Table 3 - Current vs Proposed Distribution Rates**

Rate Class	Current MFC	Current Volumetric Charge	Proposed MFC	Proposed Volumetric Charge
Residential	22.1	0.0091	25.92	0.0062
GS < 50 kW	22.47	0.0098	22.77	0.0099
GS > 50-2999 kW	83.41	1.4436	84.54	1.4631
Street Lighting	1.23	7.1945	1.25	7.2916
USL	15.47	0.0437	15.68	0.0443

14

1 **7 RTSR ADJUSTMENT**

2 Hydro 2000 is applying for an adjustment of its Retail Transmission Service Rates based on a
3 comparison of historical transmission costs adjusted for new UTR levels and revenues generated
4 from existing RTSRs. This approach is expected to minimize variances in the USoA Accounts
5 1584 and 1586.

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

8 The Loss Factor applied to the metered kWh is the actual Board-approved 2012 Loss Factor.

9 The proposed adjustments of the Retail Transmission Service Rates are shown in the table below
10 and the detailed calculations can be found in the 2019 IRM Model filed in conjunction with this
11 application.

12 **Table 4 - Proposed RTSR**

Retail Transmission Rate - Network Service Rate			
Rate Description	Unit	Current RTSR- Network	Proposed RTSR- Network
Residential	\$/kWh	0.0061	0.0048
GS < 50 kW	\$/kWh	0.0056	0.0046
GS > 50-2999 kW	\$/kW	2.2907	1.8082
Street Lighting	\$/kW	1.7274	1.3979
USL	\$/kWh	0.0056	0.0046

13

Retail Transmission Rate - Line and Transformation Connection Service Rate			
Rate Description	Unit	Current RTSR- Connection	Proposed RTSR- Connection
Residential	\$/kWh	0.0067	0.0053
GS < 50 kW	\$/kWh	0.0061	0.0051
GS > 50-2999 kW	\$/kW	2.4990	1.9876
Street Lighting	\$/kW	1.8845	1.5366
USL	\$/kWh	0.0061	0.0051

14

8 DEFERRAL AND VARIANCE ACCOUNT

Audit

On March 30, 2017, the OEB issued its Decision and Rate Order in Hydro 2000's 2017 IRM rate proceeding EB-2016-0078 stating that it was authorizing an audit of Hydro 2000's DVA for Account 1588 (RSVA Power) & 1589 (RSVA Global Adjustment) for a period of December 31, 2014 to December 31, 2016. Hydro 2000 further notes that although the audit is at the tail end of the process, the audit is still undergoing. Therefore, Hydro 2000 has purposely left out from its total disposition, balances in account 1588 and 1589 until the audit has been completed.

Hydro 2000 has completed the Board Staff's 2019 IRM Rate Generator – Tab 3 Continuity Schedule and the threshold test shows a claim per kWh of \$0.0143. The Report of the Board on Electricity Distributors' Deferral and Variance Account 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 if the pre-set disposition threshold of \$0.0010 per kWh (debit or credit) is exceeded. Since the threshold was met, Hydro 2000 is therefore seeking disposal of its deferral and variance account in this proceeding. The Hydro 2000 Group 1 total claim balance is \$297,181 and is comprised of the following account balances. Details of these balances can be found in the 2019 IRM Model.

Hydro 2000 hereby confirms that no adjustments have been made to any deferral and variance account (DVA) balances which were previously approved by the OEB on a final basis.

1

Table 5 - Deferral and Variance Account balances

Group 1 Accounts		2018 balances
LV Variance Account	1550	197,093
Smart Metering Entity Charge Variance Account	1551	(1,506)
RSVA - Wholesale Market Service Charge ⁵	1580	10,974
Variance WMS – Sub-account CBR Class A ⁵	1580	0
Variance WMS – Sub-account CBR Class B ⁵	1580	0
RSVA - Retail Transmission Network Charge	1584	28,991
RSVA - Retail Transmission Connection Charge	1586	31,824
RSVA - Power ⁴	1588	0
RSVA - Global Adjustment ⁴	1589	0
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	
Disposition and Recovery/Refund of Regulatory Balances (2015)	1595	5,233
Disposition and Recovery/Refund of Regulatory Balances (2016)	1595	26,248
Disposition and Recovery/Refund of Regulatory Balances (2017)	1595	
Account 1589 - Global Adjustment	1589	0
Group 1 Sub-Total (Excluding Account 1589 - Global Adjustment)		297,181
Total Group 1 Balance		297,181

2

3 **9 SPECIFIC SERVICE CHARGES**

4 Hydro 2000 is applying to continue the current Specific Service Charges and Loss Factors as
5 approved by the Board in Hydro 2000’s last Cost of Service Application.

6 **10 GLOBAL ADJUSTMENT**

7 Hydro 2000’s settlement process is summarized below.

8 **Global Adjustment**

9 As at December 31, 2018, Hydro 2000 did not have any Class A customers.
10 Hydro 2000’s Class B customers pay the global adjustment (“GA”) charge
11 based on the amount of electricity they consume in a month (kWh). Within
12 the Class B group, there are two categories of customers: RPP customers

1 who pay an RPP rate which has a built-in GA adjustment component and
2 the remaining non-RPP customers who pay the Hourly Ontario Electricity
3 Price, and a monthly GA price listed separately on their bill. Hydro 2000
4 uses the GA first estimate to bill its non-RPP Class B customers and to
5 calculate and record unbilled revenues. This treatment is applicable for all
6 customer classes.

7 For Class B customers, RSVA Account 1589 captures the difference
8 between the GA amounts billed to non-RPP customers and the actual GA
9 amount paid for those customers by the distributor to Hydro One.

10

1 **Monthly Settlement Submissions**

2 When completing the monthly submission for Hydro One settlements,
3 Hydro 2000 Inc. starts by collecting the current month's metering data
4 (kWh) from Hydro One. Hydro 2000 Inc. get a report with the consumption
5 for every hour of the day for all the days in the current month. The total
6 kWh is compared to the kWh on the monthly power bill from Hydro One.

7 With various reports from our billing system, we calculate the total kWh
8 for clients which are not on Time-Of-Use (TOU). The difference between
9 total kWh and kWh for Non Time-Of-Use clients gives the kWh for the
10 Time-Of-Use clients. Hydro 2000 Inc. then prorates to determine the
11 amount of provincial benefit paid for Time-Of-Use clients. This amount is
12 claimed from Hydro One.

13 Another adjustment is done for Time-Of-Use clients for the difference
14 between the Off Peak/Mid Peak/On Peak and the HOEP rate. This
15 difference is remitted to Hydro One (netted against the amount discussed
16 in the previous paragraph).

17

18 **Account 1589 – RSVA GA**

19 Hydro 2000 Inc. splits the Global Adjustment amounts charged by Hydro One
20 between RPP and non-RPP by using the actual percentage of RPP and Non-RPP
21 of the total energy volume for the particular month, as gathered from our billing
22 system. These amounts are recorded in Account #4705 – Power Purchased for
23 RPP and Account #4707 – Global Adjustment for Non-RPP in the appropriate
24 month of consumption.

1 The Global Adjustment revenue, which is billed directly to the non-RPP customers,
2 is posted in a sub-account in account 4006 – Global Adjustment in the
3 appropriate month of consumption. The variance between the expense and
4 revenue is transferred into Account 1589 – RSVA Global Adjustment.

5 **Account 1588 – RSVA Power**

6 The value of the energy from Hydro One’s monthly invoices are recorded into
7 Account 4705 – Power Purchased in the month when the energy was consumed.
8 The energy revenue is also recorded into the appropriate month of consumption.
9 The variance between expenses and revenues is posted into Account 1588 – RSVA
10 Power.

11 Hydro 2000 Inc. is seeking approval for 2015- 2017 audited balances, at which
12 time Hydro 2000 Inc. did not have any Class A customers to consider for the CBR
13 allocation.

14 Hydro 2000 Inc. notes that it has completed the GA workform in accordance with the
15 filing requirements. The workform has been filed along with this application. However,
16 accounts 1588 and 1589 are currently undergoing an audit and therefore, Hydro 2000 is
17 not proposing to dispose of the balances in those accounts in this proceeding.

18

1 **Staff Preliminary Questions - Appendix A of GA Analysis Workform**

2 **GA Methodology Description**

3 **Questions on Accounts 1588 & 1589**

4
5 **1. In booking expense journal entries for Charge Type (CT) 1142 and CT 148 from the**
6 **IESO invoice, please confirm which of the following approaches is used:**

7 a. CT 1142 is booked into Account 1588. CT 148 is pro-rated based on RPP/non-RPP
8 consumption and then booked into Account 1588 and 1589 respectively.

9 b. CT 148 is booked into Account 1589. The portion of CT 1142 equaling RPP minus HOEP for
10 RPP consumption is booked into Account 1588. The portion of CT 1142 equaling GA RPP is
11 credited into Account 1589.

12 c. If another approach is used, please explain in detail.

13 **Hydro 2000 Inc. Response:**

14 **Hydro 2000 Inc. is using another approach (c.). Hydro 2000 Inc. splits the**
15 **Global Adjustment amounts charged by Hydro One between RPP and non-**
16 **RPP by using the actual percentage of RPP and Non-RPP of the total energy**
17 **volume for the particular month, as gathered from our billing system. These**
18 **amounts are recorded in Account #4705 – Power Purchased for RPP and**
19 **Account #4707 – Global Adjustment for Non-RPP in the appropriate month**
20 **of consumption.**

21 **Hydro 2000 Inc. settles with Hydro One on an actual basis, using actual**
22 **consumption quantities and actual rates. Therefore, there is no need for**
23 **subsequent true-ups of settlement amounts.**

24 **Hydro 2000 Inc. is able to settle on an actual basis as it settles on a one-**
25 **month lag, meaning for example, it settles its November consumption with**
26 **Hydro One on January 4th and its December consumption on February 4th.**

1 ***In order to ensure the appropriate accounting for its settlements with Hydro***
2 ***One, Hydro 2000 Inc. leaves its year-end books open long enough so that it***
3 ***can capture / accrue all settlements with Hydro One for that fiscal year.***

4
5 **2. Questions on CT 1142**

6 a. *Please describe how the initial RPP related GA is determined for settlement forms*
7 *submitted by day 4 after the month-end (resulting in CT 1142 on the IESO invoice).*

8 ***Hydro 2000 Inc. Response:***

9
10 ***The RPP related GA for settlement forms is calculated by multiplying the final GA rate by***
11 ***actual RPP volume. This process is done with a 1-month lag. November consumption is***
12 ***submitted on January 4th. The January invoice for December consumption is recorded in***
13 ***the accounting records in December (month of consumption).***

14
15 b. *Please describe the process for truing up CT 1142 to actual RPP kWh, including which data*
16 *is used for each TOU/Tier 1&2 prices, as well as the timing of the true up.*

17 ***Hydro 2000 Inc. Response:***

18 ***Because the settlement is done with a 1-month lag with actual rate and actual***
19 ***consumption, no truing up is necessary.***

20
21 c. *Has CT 1142 been trued up for with the IESO for all of 2017?*

22 ***Hydro 2000 Inc. Response:***

23 ***Yes, Hydro 2000 Inc. has trued up CT1142 with the Hydro One for all of 2017 and booked it***
24 ***into 2017.***

25
26 d. *Which months from 2017 were trued up in 2018?*

27 ***Hydro 2000 Inc. Response:***

28 ***December 2017 was trued up in 2018 and booked into 2017.***

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e. Have all of the 2017 related true-up been reflected in the applicant's DVA Continuity Schedule in this proceeding?

Hydro 2000 Inc. Response:

Yes, Hydro 2000 Inc. has reflected all of the 2017 related true-up in the applicant's DVA Continuity Schedule in this proceeding.

f. Please quantify the amount reflected in the DVA Continuity Schedule, and the column where it is included.

Hydro 2000 Inc. Response:

The 2017 adjustment is recorded in the DVA Continuity Schedule in 2017 in Transactions Debit / (Credit) during 2017.

3. Questions on CT 148

a. Please describe the process for the initial recording of CT 148 in the accounts (i.e. 1588 and 1589).

Hydro 2000 Inc. Response:

CT 148 from Hydro One invoice is pro-rated based on RPP/non-RPP consumption and then booked into Account 4705 Power Purchased and Account 4707 Charges – Global Adjustment. The variance of GA charges and GA revenue is transferred into Account 1589 RSVA GA, the variance of Power Purchased and Energy Sales is transferred into Account 1588 RSVA Power. No part of CT 148 is posted to 1588 or 1589 directly.

b. Please describe the process for true up of the GA related cost to ensure that the amounts reflected in Account 1588 are related to RPP GA costs and amounts in 1589 are related to only non-RPP GA costs.

Hydro 2000 Inc. Response:

1 **Hydro 2000 Inc. has used the actual percentage of RPP and non-RPP to split the amount**
2 **on CT 148. Therefore, there is no true-up needed since.**

3

4 c. What data is used to determine the non-RPP kWh volume that is multiplied with the actual
5 GA per kWh rate (based on CT 148) for recording as expense in Account 1589 for initial recording
6 of the GA expense?

7 **Hydro 2000 Inc. Response:**

8

9 **Hydro 2000 Inc. splits the GA expenses (CT 148) between RPP and non-RPP by the actual**
10 **percentage of RPP kWh and non-RPP kWh from our billing system for each particular**
11 **month.**

12

13 d. Does the utility true up the initial recording of CT 148 in Accounts 1588 and 1589 based on
14 estimated proportions to actuals based on actual consumption proportions for RPP and non-RPP?

15 **Hydro 2000 Inc. Response:**

16

17 **Hydro 2000 Inc. no longer requires a true-up from the initial recording of CT 148 in**
18 **Accounts 1588 and 1589. Hydro 2000 Inc. has used the actual percentage of RPP and non-**
19 **RPP to split the amount on CT148.**

20

21 e. Please indicate which months from 2017 were trued up in 2018 for CT 148 proportions
22 between RPP and non-RPP.

23 **Hydro 2000 Inc. Response:**

24 **December was trued up in January but recorded in December.**

25

26 f. Are all true-ups for 2017 consumption reflected in the DVA Continuity Schedule under
27 2017.

28 **Hydro 2000 Inc. Response:**

1 ***Yes, all true-ups for 2017 consumption is reflected in the DVA Continuity Schedule under***
2 ***2017.***

3

4 *g. Please quantify the amount reflected in the DVA Continuity Schedule, and the column*
5 *where it is included.*

6 ***Hydro 2000 Inc. Response:***

7 ***The 2017 adjustment is recorded in the DVA Continuity Schedule in 2017 in Transactions***
8 ***Debit / (Credit) during 2017.***

9

10 ***4. Questions regarding principal adjustments and reversals on the DVA Continuity***
11 ***Schedule:***

12

13 *Questions on Principal Adjustments - Accounts 1588 and 1589*

14 *a. Did the applicant have principal adjustments in its 2018 rate proceeding which were*
15 *approved for disposition?*

16 ***Hydro 2000 Inc. Response:***

17 ***No amounts were approved in 2018.***

18

19 *b. Please provide a break-down of the total amount of principal adjustments that were*
20 *approved (e.g. true-up of unbilled (for 1589 only), true up of CT 1142, true up of CT 148 etc.).*

21 ***Hydro 2000 Inc. Response:***

22 ***No amounts were approved in 2018.***

23

24 *c. Has the applicant reversed the adjustment approved in 2018 in its current proposed*
25 *amount for disposition?*

26 ***Hydro 2000 Inc. Response:***

27

1 **No amounts were approved in 2018.**

2

3 *d. Please provide a breakdown of the amounts shown under principal adjustments in the DVA*
4 *Continuity*

5 **Hydro 2000 Inc. Response:**

6

7 **There are no amounts in principal adjustments in the DVA Continuity.**

8

9 *e. Schedule filed in the current proceeding, including the reversals and the new true up*
10 *amounts regarding 2017 true ups.*

11 **Hydro 2000 Inc. Response:**

12 **The amounts in the schedule filed in the current proceeding have been adjusted to ensure**
13 **that only amounts not previously requested is being requested 2019 IRM application.**

14 *f. Do the amount calculated in part d. above reconcile to the applicant's principal*
15 *adjustments shown in the DVA Continuity Schedule for the current proceeding? If not, please*
16 *provide an explanation.*

17 **Hydro 2000 Inc. Response:**

18

19 **There are no amounts in principal adjustments in the DVA Continuity.**

20

21 *g. Please confirm that the principal adjustments shown on the DVA Continuity Schedule are*
22 *reflected in the GL transactions. As an example, the unbilled to actual true-up for 1589 would*
23 *already be reflected in the applicant's GL in the normal course of business. However, if a principal*
24 *adjustment related to proportions between 1588 and 1589 was made, applicant must ensure that*
25 *the GL reflects the movement between the two accounts.*

26 **Hydro 2000 Inc. Response:**

27

- 1 ***Hydro 2000 Inc. records revenues and expenses in the actual month of consumption.***
- 2 ***Because actual amounts are being recorded, no unbilled (estimated) revenues are***
- 3 ***recorded.***

11 DISPOSITION OF LRAMVA

In accordance with the Board's Guidelines for Electricity Distributor Conservation and Demand Management (EB-2012-0003) issued on April 26, 2012, at a minimum, distributors must apply for disposition of the balance in the LRAMVA at the time of their Cost of Service rate applications if the balance is deemed significant by the applicant.

Hydro 2000 has populated the LRAMVA work form and found the balance to be significant enough to include in its claim for disposition with the 2019 IRM Application. However, as a result of the bill impacts related to the disposition of the balances related to the DVAs, Hydro 2000 is proposing to postpone its disposition until its 2020 Cost of Service application.

As such, Hydro 2000 has not included the calculated balance in Tab 3 of its IRM model.

In compliance with the MFR, Hydro 2000 has filed (for information purposes only) the LRAMVA Work Form 3.0 to complete the calculation of the LRAMVA which amounts to \$16,982.

Hydro 2000's calculated claim for 2011-2017 are based on the IESO 2017 final verified results. Hydro 2000 is also claiming persistence of 2011 to 2016 programs in 2017.

Hydro 2000 confirms that the LRAMVA was based on verified savings results that are supported by the distributor's Final CDM Annual Report and Persistence Savings Report issued by the IESO. Hydro 2000 confirms that Hydro 2000 has relied on the most recent input assumptions available at the time of program evaluation.

The persistence savings report is included in the IESO's 2017 final verified results.

- 1 The below table provides the principal and carrying charges amounts by rate class and
- 2 resultant rate riders for each rate class. The LRAMVA Workform projects the carrying
- 3 charges related to the disposition of LRAMVA to the end of December 31, 2018.

Description	Residential	GS<50 kW	GS>50	Street Lighting	Unmetered Scattered Load	Total
	kWh	kWh	kW	kW	kWh	
2011 Actuals	\$402.72	\$0.13	\$0.00	\$0.00	\$0.00	\$402.86
2011 Forecast	(\$1,486.38)	(\$63.14)	(\$2.96)	\$0.00	\$0.00	(\$1,552.48)
Amount Cleared						
2012 Actuals	\$1,169.00	\$1,642.34	\$0.00	\$0.00	\$0.00	\$2,811.35
2012 Forecast	(\$3,195.72)	(\$97.44)	(\$6.27)	\$0.00	\$0.00	(\$3,299.42)
Amount Cleared						
2013 Actuals	\$2,141.96	\$2,517.63	\$0.00	\$0.00	\$0.00	\$4,659.59
2013 Forecast	(\$3,393.90)	(\$85.75)	(\$5.58)	\$0.00	\$0.00	(\$3,485.23)
Amount Cleared						
2014 Actuals	\$3,330.36	\$2,174.54	\$0.00	\$567.50	\$0.00	\$6,072.40
2014 Forecast	(\$3,666.40)	(\$74.05)	(\$4.21)	\$0.00	\$0.00	(\$3,744.66)
Amount Cleared						
2015 Actuals	\$4,176.63	\$2,173.86	\$0.00	\$574.88	\$0.00	\$6,925.38
2015 Forecast	(\$3,715.95)	(\$74.83)	(\$4.26)	\$0.00	\$0.00	(\$3,795.04)
Amount Cleared						
2016 Actuals	\$5,657.77	\$1,990.04	\$110.32	\$574.88	\$0.00	\$8,333.01
2016 Forecast	(\$2,972.76)	(\$74.83)	(\$4.26)	\$0.00	\$0.00	(\$3,051.85)
Amount Cleared						
2017 Actuals	\$7,674.97	\$648.40	\$255.00	\$0.00	\$0.00	\$8,578.37
2017 Forecast	(\$2,254.34)	(\$76.39)	(\$4.33)	\$0.00	\$0.00	(\$2,335.06)
Amount Cleared						
<u>Carrying Charges</u>	(\$179.91)	\$563.91	\$6.37	\$72.27	\$0.00	\$462.64
Total LRAMVA Balance	\$3,688	\$11,164	\$340	\$1,790	\$0	\$16,982

- 4
- 5 Hydro 2000 is seeking approval to postpone its claim to its 2020 Cost of Service
- 6 application.

12 TAX CHANGE

The Board determined there would be a 50/50 sharing of the impact of currently known legislative tax changes. Hydro 2000 has completed the shared tax savings worksheet to determine if amounts should be refunded to or recovered from customers as a result of corporate tax savings implemented since the 2012 Cost of Service Application (EB-2017-0032). As indicated in the tax savings worksheets contained within the 2019 IRM Rate Generator model, the corporate tax rate will stay at 15.00%. Using the Regulatory Taxable Income from the 2012 PILs model results resulted in an incremental tax savings of \$21.

13 ICM/Z-FACTOR

Hydro 2000 is not applying for recovery of Incremental Capital or Z-Factor in this proceeding.

12

14 CURRENT TARIFF SHEET

Hydro 2000 current tariff sheets are provided in Appendix 1.

15 PROPOSED TARIFF SHEET

The proposed tariff sheets generated by the 2019 IRM Rate Generator are provided in the Appendix 2.

16 BILL IMPACT

The table below shows the bill impacts. The bill impacts are calculated based on the dollar change in Sub-Total C – Delivery divided by the total bill before tax at current rates. The 10% percentile was calculated in the following manner

- 1) The utility produced a report which included Residential Customer Number and their Monthly Consumptions.

- 1 2) The report was then sorted by lowest to highest consumption.
- 2 3) Less than 50 kWh monthly consumption was removed from the file.
- 3 4) The utility then calculated the 10th percentile by taking 10% of the customer
- 4 count (or number of records in the report), (e.g., 2000 customer = 200)
- 5 5) The utility then established that the record in questions produced a
- 6 consumption of 213 kWh/month which in turn became the "ceiling" for the
- 7 lowest 10th percentile.
- 8 6) The file used to calculate the 10th percentile is attached for your review.

9 The total residential bill impact for the 10th percentile level of 213 kWh is 25.3%. The
10 residential bill impact for the standard 750kWh is 29.7%. Detailed bill impacts for each
11 rate class are provided in the Appendix 3

12 With the exception of the GS<50, which uses the typical 2000 kWh/month, the other
13 classes were calculated using a rounded monthly average consumption. Full bill impacts
14 are presented in Appendix 3 of this application.

1 **Table 6 – Summary of Bill Impacts**

2

3 Hydro 2000 notes that a utility specific rate rider which was approved as part of the utility’s 2012
 4 Cost of Service is not included in the above Bill Impacts. Hydro 2000 commits to working with
 5 the OEB Board Staff to rectify the issue prior to finalizing its 2019 rates.

Table 2

RATE CLASSES / CATEGORIES <i>(eg: Residential TOU, Residential Retailer)</i>	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		\$	%	\$	%	\$	%	\$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 1.65	5.7%	\$ 4.35	11.3%	\$ 5.23	11.1%	\$ 5.33	4.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	\$ 0.50	1.2%	\$ 7.70	11.7%	\$ 9.85	11.2%	\$ 9.89	3.6%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 645.31	1.4%	\$ 52,140.27	46.6%	\$ 65,936.69	25.6%	\$ 74,500.42	25.2%
STREET LIGHTING SERVICE CLASSIFICATION - RPP	kW	\$ 14,776.80	1.3%	\$ 210,459.88	15.9%	\$ 258,925.97	14.1%	\$ 292,549.32	14.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	\$ 1.06	1.4%	\$ 2.36	2.9%	\$ 2.75	3.2%	\$ 3.01	2.1%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 3.20	13.3%	\$ 3.97	14.6%	\$ 4.22	14.3%	\$ 4.38	8.7%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 1.65	5.7%	\$ 4.35	10.9%	\$ 5.23	10.7%	\$ 5.73	3.8%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 3.20	13.3%	\$ 3.97	14.4%	\$ 4.22	14.0%	\$ 4.72	7.7%

1 **17 CERTIFICATION OF EVIDENCE**

2 As General Manager of Hydro 2000 I certify that, to the best of my knowledge, the
3 evidence filed in Hydro 2000's 2019 Incentive Rate-Setting Application is accurate,
4 complete, and consistent with the requirements of the Chapter 3 Filing Requirements for
5 Electricity Distribution Rate Applications as revised on July 12, 2018. I also confirm that
6 internal controls and processes are in place for the preparation, review, verification and
7 oversight of any account balances that are being requested for disposal.

8

9 Respectfully submitted,

10

11 *Original Signed by:*

12

13 Lise Wilkinson
14 General Manager,
15 Hydro 2000 Inc.
16 440 rue St-Philippe St.
17 Alfred, ON
18 K0B 1A0
19 613-679-4093

1 **APPENDICES**

2

Appendix 1	Current Tariff Sheet
Appendix 2	Proposed Tariff Sheet
Appendix 3	Bill Impacts
Appendix 4	2012 RRWF

3

4

5

1 **Appendix 1 Current Tariff Sheet (Decision & Order)**

2



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

DECISION AND RATE ORDER

EB-2016-0078

HYDRO 2000 INC.

Application for an order approving just and reasonable rates and other charges for electricity distribution to be effective May 1, 2017.

By Delegation, Before: Theodore Antonopoulos

March 30, 2017

1 INTRODUCTION AND SUMMARY

This is the Decision and Rate Order (Decision) for Hydro 2000 Inc.'s Incentive Regulation Mechanism (IRM) application for 2017 rates.

Hydro 2000 Inc. serves about 1,200 mostly residential and commercial electricity customers in the Township of Alfred and Plantagenet. The company is seeking the Ontario Energy Board's approval for the rates it charges to distribute electricity to its customers, as is required of licenced and rate-regulated distributors in Ontario.

Distributors may choose one of three Ontario Energy Board (OEB) rate-setting methods. Hydro 2000 Inc. has selected the Price Cap Incentive Rate-setting (Price Cap IR) option that has a five-year term. Rates are set through a cost of service rebasing application for the first year and are adjusted mechanistically through an IRM application for each of the ensuing four years. The price cap adjustment is based on inflation and the OEB's assessment of a distributor's efficiency.

Hydro 2000 Inc. filed an IRM application with the OEB on December 7, 2016 to seek approval for changes to its distribution rates to be effective May 1, 2017. Hydro 2000 Inc. last appeared before the OEB with a cost of service rebasing application for 2012 rates in the EB-2011-0326 proceeding.

The OEB addresses the following issues with respect to Hydro 2000 Inc.'s IRM application in this Decision.

- Price Cap Adjustment
- Regulatory Charges
- Retail Transmission Service Rates
- Group 1 Deferral and Variance Accounts
- Residential Rate Design
- Implementation and Order

Hydro 2000 Inc. applied for a rate increase of 1.60% in accordance with the OEB-approved 2017 parameters for inflation and productivity. The 1.60% price cap adjustment applies to distribution rates (fixed and variable charges) uniformly across all customer classes; it does not apply to the rates and charges listed in Schedule B.

Hydro 2000 Inc. also applied to change the composition of its distribution service rates. Residential distribution service rates currently include a fixed monthly charge and a variable usage charge. In 2015, the OEB issued a policy to transition these rates to a

fully fixed structure over a four-year period beginning in 2016.¹ Accordingly, the fixed monthly charge for 2017 has once again been adjusted upward in this Decision by more than the mechanistic adjustment alone. The variable usage rate is commensurately lower. This policy change does not affect the total revenue that distributors collect from residential customers.

This Decision on Hydro 2000 Inc.'s IRM application will result in a monthly bill decrease of \$1.46 for a residential customer consuming 750 kWh.

The OEB approves the adjustments made to Hydro 2000 Inc.'s application, and the associated rates calculated, as a result of this proceeding.

2 THE PROCESS

Hydro 2000 Inc. filed an application with the OEB on December 7, 2016 under section 78 of the OEB Act and under the OEB's Chapter 3 Filing Requirements for Incentive Rate-Setting Applications seeking approval for changes to its electricity distribution rates to be effective May 1, 2017.

The OEB follows a standard, streamlined process for IRM applications under Price Cap IR. This Decision is being issued by delegated authority under section 6 of the *Ontario Energy Board Act, 1998*.

The OEB first prepares a rate model that includes information from past proceedings and annual reporting requirements. The distributor then reviews and updates the model and includes it with its application.

Hydro 2000 Inc.'s IRM application was supported by written evidence and a completed rate model. Questions were asked and answers were provided by Hydro 2000 Inc. through emails and phone calls. Based on this information, a decision was drafted and provided to Hydro 2000 Inc. on March 9, 2017. Hydro 2000 Inc. was given the opportunity to provide its comments on the draft for consideration prior to the OEB issuing this Decision.

¹ Board Policy: A New Distribution Rate Design for Residential Electricity Customers, EB-2012-0410, April 2, 2015

3 ORGANIZATION OF THE DECISION

The OEB has organized this Decision into sections to reflect the issues that were considered in making its findings.² Each section outlines the OEB's reasons for approving or denying the proposals included in the application and affecting 2017 rates. The last section addresses the steps to implement the final rates that flow from this Decision.

4 PRICE CAP ADJUSTMENT

The price cap adjustment follows an OEB-approved formula that includes annually updated components for inflation and the OEB's expectations of efficiency and productivity gains.³ The formula is an *inflation minus X-factor* rate adjustment, which is intended to incent innovation and efficiency. The OEB has set the inflation factor for 2017 rates at 1.9% based on its established formula.⁴

The X-factors for individual distributors have two parts: a productivity element established from a historical analysis of industry cost performance; and a stretch factor based on a distributor's efficiency relative to its expected costs. Subtracting the X-factor from inflation ensures that rates decline in real, constant-dollar terms, providing distributors an incentive to improve efficiency or else experience declining net income.

Based on industry conditions over the historical study period, the productivity factor has been set at 0.0%. A stretch factor is assigned to each distributor based on the individual distributor's total cost performance as benchmarked relative to other distributors in Ontario. For Price Cap IR applications, there are five stretch factor groupings that have each been assigned a stretch factor in the range from 0.0% to 0.6%.⁵ The most efficient distributor, based on the cost evaluation ranking, would be assigned the lowest stretch factor of 0.0%. Higher stretch factors are applied to distributors in accordance with their cost performance relative to expected levels, to reflect the incremental productivity gains that distributors are expected to achieve.

Findings

The OEB assigned Hydro 2000 Inc. a stretch factor of 0.30% based on the updated

² See list of issues in the Introduction, p.1

³ Report on Rate Setting Parameters and Benchmarking under the Renewed Regulatory Framework for Ontario's Electricity Distributors (December 4, 2013)

⁴ As outlined in the Report cited at footnote 3 above

⁵ Report to the Ontario Energy Board – "Empirical Research in Support of Incentive Rate-Setting: 2015 Benchmarking Update." Pacific Economics Group LLC. July 2016

benchmarking study for use for rates effective in 2017.⁶ The resulting net price cap adjustment for Hydro 2000 Inc. is 1.60% (i.e. 1.9% - (0% + 0.30%)).

The 1.60% adjustment applies to distribution rates (fixed and variable charges) uniformly across all customer classes; it does not apply to the rates and charges listed in Schedule B.

5 REGULATORY CHARGES

Customers are charged a number of fees to cover the costs associated with various programs and wholesale market services.

The Rural or Remote Electricity Rate Protection (RRRP) program is designed to partially offset the relatively high cost of electricity distribution to eligible customers located in rural or remote areas of Ontario. The funding level is established by the government of Ontario and is recovered from all electricity customers in the province through a charge that is set annually by the OEB.

Wholesale market service (WMS) charges recover the cost of the services provided by the Independent Electricity System Operator (IESO) to operate the electricity system and administer the wholesale market. These charges may include costs associated with: operating reserve, system congestion and imports, and losses on the IESO-controlled grid. Distributors recover the WMS charges from their customers through the WMS kWh rate.

In addition, the costs of the IESO WMS Capacity Based Recovery (CBR) initiative are recovered by distributors from Class B customers through a separate kWh charge, and from Class A customers through their share of the actual CBR charge based on their contribution to peak demand.

These regulatory charges are components of the Regulatory Charge on customers' bills and are established annually by the OEB through a separate order.

The OEB has set the RRRP charge for 2017 at \$0.0021 per kWh.

The WMS rate used by distributors to bill their Class A and B customers remains at \$0.0032 per kWh. An additional component is billed to Class B customers for the CBR of \$0.0004 per kWh.⁷

⁶ As outlined in the Report cited at footnote 5 above

⁷ Decision and Rate Order, EB-2016-0362, December 15, 2016

These changes are effective January 1, 2017 for all distributors as a result of the generic order that was part of a separate OEB decision.⁸

The Ontario Electricity Support Program (OESP) is a program to deliver on-bill rate assistance to low income electricity customers. This program was funded by all Ontario customers through the OESP Charge.

On March 23, 2017, the OEB issued a Decision and Order rescinding the OESP charge effective May 1, 2017⁹ until further notice.

The OEB has updated the Tariff of Rates and Charges flowing from the above, listed in Schedule A, to reflect these changes. Although the OEB has also, for administrative convenience, removed the OESP credits from the attached tariff, distributors must continue until further notice to apply the OESP credits on bills issued to eligible low-income customers, as set by the OEB's December 21, 2016 Order.¹⁰

6 RETAIL TRANSMISSION SERVICE RATES

Electricity distributors use Retail Transmission Service Rates (RTSRs) to pass along the cost of transmission service to their distribution customers. The RTSRs are adjusted annually to reflect the revised costs as calculated by the application of the current Uniform Transmission Rates (UTRs) to historical transmission deliveries. The UTRs are established annually by a separate OEB order. Embedded distributors, such as Hydro 2000 Inc., must adjust their RTSRs to reflect any changes to the applicable RTSRs of their host distributor, which in this case is Hydro One Networks Inc. (Hydro One). Distributors may apply to the OEB annually to approve the RTSRs they propose to charge their customers, as Hydro 2000 Inc. has done in this application.

Findings

The OEB approves the RTSRs as adjusted in this application to reflect current applicable rates. The OEB has approved the 2017 Sub-Transmission Class RTSRs for Hydro One to use for billing embedded distributors. These rate changes have been incorporated into the 2017 IRM Rate Generator Model (RTSR filing module) to adjust the RTSRs that Hydro 2000 Inc. will charge its customers.¹¹ The Sub-Transmission Class RTSRs for Hydro One are shown in the following table:

⁸ Ibid

⁹ EB-2017-0135

¹⁰ EB-2016-0376

¹¹ Rate Order, EB-2016-0081, issued December 21, 2016

2017 Sub-Transmission RTSRs

Network Service Rate	\$3.19 per kW
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.77 per kW
Transformation Connection Service Rate	\$1.75 per kW

7 GROUP 1 DEFERRAL AND VARIANCE ACCOUNT BALANCES

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

The OEB's policy¹² is to review and dispose of the distributor's Group 1 accounts if they exceed (as a debit or credit) the pre-set disposition threshold of \$0.001 per kWh during the term of an incentive ratemaking plan. The distributor must justify why any account balance in excess of the threshold should not be disposed. The distributor may propose to dispose of balances below this threshold.

In its application, as originally filed on December 7, 2016, Hydro 2000 Inc. proposed to dispose of the 2015 actual year-end total debit balance of \$148,895 for Group 1 accounts including interest projected to April 30, 2017. This amount represented a total debit claim of \$0.0062 per kWh, which exceeded the preset disposition threshold. Hydro 2000 Inc. proposed to dispose of this debit amount over a one-year period.

As part of the Group 1 account balance, Hydro 2000 Inc. requested the disposition of the credit balance of \$54,508 for account 1588 RSVA – Power, and the disposition of the debit balance of \$110,007 for account 1589 RSVA – Global Adjustment (GA). The OEB considers the balances in RSVA – GA and RSVA – Power accounts to be high, based on Hydro 2000 Inc.'s customer base. For a typical Non-RPP customer at the 750kWh consumption level, the GA charge will be \$19.35 per month.

¹² Report of the Board on Electricity Distributors' Deferral and Variance Account Review Initiative (July 31, 2009)

OEB staff asked Hydro 2000 Inc. to provide explanations for the large RSVA – GA balance and also to complete a GA analysis workform for 2015. Hydro 2000 Inc. advised that it is an embedded distributor who is billed the GA by its host distributor, Hydro One. Hydro 2000 Inc. indicated it is investigating with Ottawa River Power Corporation (who provides Hydro 2000 Inc.'s billing function) whether or not they were using the correct Hydro One rates for calculating the GA.¹³

The GA analysis work form that was completed by Hydro 2000 Inc. revealed a discrepancy of about \$99,000. In response to an OEB staff question, Hydro 2000 Inc. indicated that the utility is prepared to make any necessary adjustments if OEB staff advises it necessary to do so. Hydro 2000 Inc. could not explain or substantiate the large balance in RSVA – GA.

Subsequently, on February 28, 2017, Hydro 2000 Inc. notified OEB staff that it was postponing its request to dispose account 1589 GA to a later date. Hydro 2000 Inc. noted that this would allow the utility to do an internal review of historical balances and also review and document its reconciliation process. Once the IRM rate generator model was updated by removing the RSVA – GA balance from Tab 3. Continuity Schedule, Hydro 2000 Inc.'s proposal for disposition changed to a debit of \$38,888 including interest projected to April 30, 2017. This amount represents a total debit claim of \$0.0016 per kWh, and still exceeds the preset disposition threshold. Hydro 2000 Inc. proposed to dispose of this debit amount over a one-year period.

Findings

The OEB finds that no disposition shall take place at this time for any of the Group 1 accounts. While timely disposition of accounts is important, even more important is the accuracy of account balances being disposed. Hydro 2000 Inc. could not explain a significant discrepancy in account 1589. The OEB also considers that the credit balance of Hydro 2000 Inc.'s RSVA – Power is high in light of the size of the utility's customer base. Disposing of some Group 1 balances and not others results in unnecessary complexity to future accounting and rate setting and unless there are extraordinary circumstances, all Group 1 accounts should be disposed contemporaneously.

Hydro 2000 Inc. indicated that while it is still investigating the reasons for the unusually large variances in historical years, its preliminary investigation shows that there would have been an error in the reconciliation in 2014 but that the error has since been rectified. The OEB is concerned that Hydro 2000 Inc. is raising issues at this time relating to a potential error in final 2014 disposition amounts, as those balances were

¹³ Email from Hydro 2000 Inc. to OEB staff dated February 8, 2017

previously approved by the OEB in Hydro 2000 Inc.'s 2016 IRM application¹⁴ on a final basis. A request at this time, or in a future rate application, for an OEB order relating to the 2014 balances could give rise to issues of retroactive ratemaking.

The OEB plans to conduct an audit of balances in Hydro 2000 Inc.'s accounts 1588 and 1589 for the period following when balances were last disposed. The results of this audit would be expected to be available for consideration in the applicant's next rate application.

8 RESIDENTIAL RATE DESIGN

All residential distribution rates currently include a fixed monthly charge and a variable usage charge. The OEB residential rate design policy¹⁵ stipulates that electricity distributors will transition residential customers to a fully fixed monthly distribution service charge over a four-year period starting in 2016. The OEB requires that distributors filing IRM applications this year continue with this transition by once again adjusting their distribution rates to increase the fixed monthly service charge and decrease the variable charge consistent with the policy.

The OEB expects the applicant to apply two tests to evaluate whether mitigation (generally a lengthening of the transition period) for customers in the transition is required. The first test is to calculate the change in the monthly fixed charge, and to consider mitigation if it exceeds \$4. The second is to calculate the total bill impact of the proposals in the application for low volume residential customers (defined as those residential RPP customers whose consumption is at the 10th percentile for the class). Mitigation may be required if the bill impact related to the application exceeds 10% for these customers.

In order to mitigate the impact on customers' bills, Hydro 2000 Inc. implemented a five-year plan to transition to fully fixed residential rates commencing with its 2016 IRM application (EB-2015-0076). Hydro 2000 Inc.'s implementation of the transition results in an increase to the fixed charge prior to the price cap adjustment of \$3.44 for 2017 rates. The bill impacts arising from the proposals in this application, including the fixed rate change, are below 10% for low volume residential customers.

¹⁴ EB-2015-0076

¹⁵ Ibid page 2

Findings

The OEB finds that the proposed 2017 increase to the monthly fixed charge is in accordance with the OEB's residential rate design policy. The results of the monthly fixed charge, and total bill impact for low consumption residential consumers show that no mitigation is required. The OEB approves the increase as proposed by the applicant and calculated in the final rate model.

9 IMPLEMENTATION AND ORDER

Rate Model

This Decision and Rate Order is accompanied by a rate model, applicable supporting models and a Tariff of Rates and Charges (Schedule A). Entries in the models were reviewed to ensure that they are in accordance with Hydro 2000 Inc.'s EB-2011-0326 cost of service decision, and that the 2016 OEB-approved Tariff of Rates and Charges as well as the cost, revenue and consumption results from 2015 are as reported by Hydro 2000 Inc. to the OEB. The rate model was adjusted, where applicable, to correct any discrepancies.

THE ONTARIO ENERGY BOARD ORDERS THAT

1. The Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order is approved effective May 1, 2017 for electricity consumed or estimated to have been consumed on and after such date. Hydro 2000 Inc. shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new rates.

ADDRESS

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto ON M4P 1E4
Attention: Board Secretary
E-mail: boardsec@oeb.ca
Tel: 1-888-632-6273 (Toll free)
Fax: 416-440-7656

DATED at Toronto, March 30, 2017

ONTARIO ENERGY BOARD

Original Signed By

Kirsten Walli
Board Secretary

Schedule A

To Decision and Rate Order

Tariff of Rates and Charges

OEB File No: EB-2016-0078

DATED: March 30, 2017

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0078

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.10
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0091
Low Voltage Service Rate	\$/kWh	0.0054
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0078

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.47
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0098
Low Voltage Service Rate	\$/kWh	0.0052
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0056
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0078

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.

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	83.41
Distribution Volumetric Rate	\$/kW	1.4436
Low Voltage Service Rate	\$/kW	1.9417
Retail Transmission Rate - Network Service Rate	\$/kW	2.2907
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8082

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2016-0078

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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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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.23
Distribution Volumetric Rate	\$/kW	7.1945
Low Voltage Service Rate	\$/kW	1.5010
Retail Transmission Rate - Network Service Rate	\$/kW	1.7274
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.3979

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0078

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.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	15.47
Distribution Volumetric Rate	\$/kWh	0.0437
Low Voltage Service Rate	\$/kWh	0.0052
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0056
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0078

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.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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EB-2016-0078

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

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

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

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Customer Administration

Arrears certificate	\$	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	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection - during regular business hours	\$	20.00
Collection of account charge - no disconnection - after regular hours	\$	50.00
Disconnect/reconnect at meter - during regular hours	\$	25.00
Disconnect/reconnect at meter - after regular hours	\$	50.00
Disconnect/reconnect charge - at pole - during regular hours	\$	185.00
Disconnect/reconnect charge - at pole - after hours	\$	415.00
Install/remove load control device - during regular hours	\$	25.00
Install/remove load control device - after regular hours	\$	50.00

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)	\$	22.35

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
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EB-2016-0078

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

LOSS FACTORS

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

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

Schedule B

To Decision and Rate Order

List of Rates and Charges Not Affected by the Price Cap or Annual IR Index

OEB File No: EB-2016-0078

DATED: March 30, 2017

The following rates and charges are not affected by the Price Cap or Annual IR Index:

- Rate riders
- Rate adders
- Low voltage service charges
- Retail transmission service rates
- Wholesale market service rate
- Rural or remote electricity rate protection charge
- Standard supply service – administrative charge
- Transformation and primary metering allowances
- Loss factors
- Specific service charges
- microFIT charge
- Retail service charges

1

Appendix 2 Proposed Tariff Sheet

2

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2019
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approved schedules of Rates, Charges and Loss Factors

EB-2018-0039

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.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	25.92
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0062
Low Voltage Service Rate	\$/kWh	0.0054
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0174
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023	\$/kWh	0.0071
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
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
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EB-2018-0039

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.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.77
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0099
Low Voltage Service Rate	\$/kWh	0.0052
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0174
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023	\$/kWh	0.0071
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

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.
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EB-2018-0039

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.

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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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	84.54
Distribution Volumetric Rate	\$/kW	1.4631
Low Voltage Service Rate	\$/kW	1.9417
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0174
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023	\$/kW	3.1173
Retail Transmission Rate - Network Service Rate	\$/kW	2.4990
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.9876

MONTHLY RATES AND CHARGES - Regulatory Component

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

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EB-2018-0039

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.25
Distribution Volumetric Rate	\$/kW	7.2916
Low Voltage Service Rate	\$/kW	1.5010
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0174
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023	\$/kW	2.6547
Retail Transmission Rate - Network Service Rate	\$/kW	1.8845
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5366

MONTHLY RATES AND CHARGES - Regulatory Component

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

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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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	15.68
Distribution Volumetric Rate	\$/kWh	0.0443
Low Voltage Service Rate	\$/kWh	0.0052
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2023	\$/kWh	0.0071
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0061
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

MONTHLY RATES AND CHARGES - Regulatory Component

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

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EB-2018-0039

microFIT SERVICE CLASSIFICATION

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APPLICATION

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for Transformer Losses - applied to measured demand & 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 Debt Retirement Charge, 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
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0039

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	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection - during regular business hours	\$	20.00
Collection of account charge - no disconnection - after regular hours	\$	50.00
Disconnect/Reconnect at Meter - during regular hours	\$	25.00
Disconnect/Reconnect at Meter - after regular hours	\$	50.00
Disconnect/Reconnect at Pole - during regular hours	\$	185.00
Disconnect/Reconnect at Pole - after regular hours	\$	415.00
Install/Remove Load Control Device - during regular hours	\$	25.00
Install/Remove Load Control Device - after regular hours	\$	50.00

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)	\$	22.35

RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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 Debt Retirement Charge, 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	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30

Hydro 2000 Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0039

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

LOSS FACTORS

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

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

1

Appendix 3 Bill Impacts

2

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	\$ 22.10	1	\$ 22.10	\$ 25.92	1	\$ 25.92	\$ 3.82	17.29%
Distribution Volumetric Rate	\$ 0.0091	750	\$ 6.83	\$ 0.0062	750	\$ 4.65	\$ (2.18)	-31.87%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 28.93			\$ 30.57	\$ 1.65	5.69%
Line Losses on Cost of Power	\$ 0.0820	58	\$ 4.75	\$ 0.0820	58	\$ 4.75	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ 0.0036	750	\$ 2.70	\$ 2.70	-
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0054	750	\$ 4.05	\$ 0.0054	750	\$ 4.05	\$ -	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	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 38.29			\$ 42.64	\$ 4.35	11.35%
RTSR - Network	\$ 0.0061	808	\$ 4.93	\$ 0.0067	808	\$ 5.41	\$ 0.48	9.84%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0048	808	\$ 3.88	\$ 0.0053	808	\$ 4.28	\$ 0.40	10.42%
Sub-Total C - Delivery (including Sub-Total B)			\$ 47.10			\$ 52.33	\$ 5.23	11.11%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	808	\$ 2.91	\$ 0.0034	808	\$ 2.75	\$ (0.16)	-5.56%
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	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 112.15			\$ 117.23	\$ 5.07	4.52%
HST	13%		\$ 14.58	13%		\$ 15.24	\$ 0.66	4.52%
8% Rebate	8%		\$ (8.97)	8%		\$ (9.38)	\$ (0.41)	-
Total Bill on TOU			\$ 117.76			\$ 123.09	\$ 5.33	4.52%

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	\$ 22.47	1	\$ 22.47	\$ 22.77	1	\$ 22.77	\$ 0.30	1.34%
Distribution Volumetric Rate	\$ 0.0098	2000	\$ 19.60	\$ 0.0099	2000	\$ 19.80	\$ 0.20	1.02%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ -	2000	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 42.07			\$ 42.57	\$ 0.50	1.19%
Line Losses on Cost of Power	\$ 0.0820	154	\$ 12.66	\$ 0.0820	154	\$ 12.66	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	\$ 0.0036	2,000	\$ 7.20	\$ 7.20	
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0052	2,000	\$ 10.40	\$ 0.0052	2,000	\$ 10.40	\$ -	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	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 65.70			\$ 73.40	\$ 7.70	11.72%
RTSR - Network	\$ 0.0056	2,154	\$ 12.06	\$ 0.0061	2,154	\$ 13.14	\$ 1.08	8.93%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0046	2,154	\$ 9.91	\$ 0.0051	2,154	\$ 10.99	\$ 1.08	10.87%
Sub-Total C - Delivery (including Sub-Total B)			\$ 87.67			\$ 97.53	\$ 9.85	11.24%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,154	\$ 7.76	\$ 0.0034	2,154	\$ 7.32	\$ (0.43)	-5.56%
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	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	340	\$ 31.96	\$ 0.0940	340	\$ 31.96	\$ -	0.00%
TOU - On Peak	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 260.74			\$ 270.16	\$ 9.42	3.61%
HST	13%		\$ 33.90	13%		\$ 35.12	\$ 1.23	3.61%
8% Rebate	8%		\$ (20.86)	8%		\$ (21.61)	\$ (0.75)	
Total Bill on TOU			\$ 273.77			\$ 283.67	\$ 9.89	3.61%

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	33,035	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	\$ 83.41	1	\$ 83.41	\$ 84.54	1	\$ 84.54	\$ 1.13	1.35%
Distribution Volumetric Rate	\$ 1.4436	33035	\$ 47,689.33	\$ 1.4631	33035	\$ 48,333.51	\$ 644.18	1.35%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	33035	\$ -	\$ -	33035	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 47,772.74			\$ 48,418.05	\$ 645.31	1.35%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Total Deferral/Variance Account Rate Riders	\$ -	33,035	\$ -	\$ 1.5588	33,035	\$ 51,494.96	\$ 51,494.96	-
CBR Class B Rate Riders	\$ -	33,035	\$ -	\$ -	33,035	\$ -	\$ -	-
GA Rate Riders	\$ -	33,035	\$ -	\$ -	33,035	\$ -	\$ -	-
Low Voltage Service Charge	\$ 1.9417	33,035	\$ 64,144.06	\$ 1.9417	33,035	\$ 64,144.06	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	33,035	\$ -	\$ -	33,035	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 111,916.80			\$ 164,057.07	\$ 52,140.27	46.59%
RTSR - Network	\$ 2.2907	35,585	\$ 81,515.25	\$ 2.4990	35,585	\$ 88,927.67	\$ 7,412.42	9.09%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8082	35,585	\$ 64,345.34	\$ 1.9876	35,585	\$ 70,729.35	\$ 6,384.00	9.92%
Sub-Total C - Delivery (including Sub-Total B)			\$ 257,777.39			\$ 323,714.08	\$ 65,936.69	25.58%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	35,585	\$ 128.11	\$ 0.0034	35,585	\$ 120.99	\$ (7.12)	-5.56%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	35,585	\$ 17.79	\$ 0.0005	35,585	\$ 17.79	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	35,585	\$ 3,917.94	\$ 0.1101	35,585	\$ 3,917.94	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 261,841.48			\$ 327,771.06	\$ 65,929.58	25.18%
HST	13%		\$ 34,039.39	13%		\$ 42,610.24	\$ 8,570.84	25.18%
Total Bill on Average IESO Wholesale Market Price			\$ 295,880.87			\$ 370,381.29	\$ 74,500.42	25.18%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	152,105	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	\$ 1.23	370	\$ 455.10	\$ 1.25	370	\$ 462.50	\$ 7.40	1.63%
Distribution Volumetric Rate	\$ 7.1945	152105	\$ 1,094,319.42	\$ 7.2916	152105	\$ 1,109,088.82	\$ 14,769.40	1.35%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	152105	\$ -	\$ -	152105	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 1,094,774.52			\$ 1,109,551.32	\$ 14,776.80	1.35%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Total Deferral/Variance Account Rate Riders	\$ -	152,105	\$ -	\$ 1.2865	152,105	\$ 195,683.08	\$ 195,683.08	
CBR Class B Rate Riders	\$ -	152,105	\$ -	\$ -	152,105	\$ -	\$ -	-
GA Rate Riders	\$ -	152,105	\$ -	\$ -	152,105	\$ -	\$ -	-
Low Voltage Service Charge	\$ 1.5010	152,105	\$ 228,309.61	\$ 1.5010	152,105	\$ 228,309.61	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	152,105	\$ -	\$ -	152,105	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,323,084.13			\$ 1,533,544.01	\$ 210,459.88	15.91%
RTSR - Network	\$ 1.7274	163,848	\$ 283,030.18	\$ 1.8845	163,848	\$ 308,770.63	\$ 25,740.44	9.09%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.3979	163,848	\$ 229,042.43	\$ 1.5366	163,848	\$ 251,768.08	\$ 22,725.65	9.92%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,835,156.74			\$ 2,094,082.71	\$ 258,925.97	14.11%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	163,848	\$ 589.85	\$ 0.0034	163,848	\$ 557.08	\$ (32.77)	-5.56%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	163,848	\$ 81.92	\$ 0.0005	163,848	\$ 81.92	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	106,501	\$ 6,922.56	\$ 0.0650	106,501	\$ 6,922.56	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	27,854	\$ 2,618.28	\$ 0.0940	27,854	\$ 2,618.28	\$ -	0.00%
TOU - On Peak	\$ 0.1320	29,493	\$ 3,893.02	\$ 0.1320	29,493	\$ 3,893.02	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 1,849,262.62			\$ 2,108,155.82	\$ 258,893.20	14.00%
HST		13%	\$ 240,404.14		13%	\$ 274,060.26	\$ 33,656.12	14.00%
Total Bill on TOU			\$ 2,089,666.76			\$ 2,382,216.08	\$ 292,549.32	14.00%

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	\$ 15.47	4	\$ 61.88	\$ 15.68	4	\$ 62.72	\$ 0.84	1.36%
Distribution Volumetric Rate	\$ 0.0437	361	\$ 15.78	\$ 0.0443	361	\$ 15.99	\$ 0.22	1.37%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 77.66			\$ 78.71	\$ 1.06	1.36%
Line Losses on Cost of Power	\$ 0.1101	28	\$ 3.07	\$ 0.1101	28	\$ 3.07	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	361	\$ -	\$ 0.0036	361	\$ 1.30	\$ 1.30	-
CBR Class B Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	-
GA Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0052	361	\$ 1.88	\$ 0.0052	361	\$ 1.88	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	361	\$ -	\$ -	361	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 82.60			\$ 84.96	\$ 2.36	2.85%
RTSR - Network	\$ 0.0056	389	\$ 2.18	\$ 0.0061	389	\$ 2.37	\$ 0.19	8.93%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0046	389	\$ 1.79	\$ 0.0051	389	\$ 1.98	\$ 0.19	10.87%
Sub-Total C - Delivery (including Sub-Total B)			\$ 86.57			\$ 89.31	\$ 2.75	3.17%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	389	\$ 1.40	\$ 0.0034	389	\$ 1.32	\$ (0.08)	-5.56%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	389	\$ 0.19	\$ 0.0005	389	\$ 0.19	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	361	\$ 39.75	\$ 0.1101	361	\$ 39.75	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 128.16			\$ 130.83	\$ 2.67	2.08%
HST	13%		\$ 16.66	13%		\$ 17.01	\$ 0.35	2.08%
Total Bill on Average IESO Wholesale Market Price			\$ 144.82			\$ 147.83	\$ 3.01	2.08%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	213	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	\$ 22.10	1	\$ 22.10	\$ 25.92	1	\$ 25.92	\$ 3.82	17.29%
Distribution Volumetric Rate	\$ 0.0091	213	\$ 1.94	\$ 0.0062	213	\$ 1.32	\$ (0.62)	-31.87%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 24.04			\$ 27.24	\$ 3.20	13.32%
Line Losses on Cost of Power	\$ 0.0820	16	\$ 1.35	\$ 0.0820	16	\$ 1.35	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	213	\$ -	\$ 0.0036	213	\$ 0.77	\$ 0.77	-
CBR Class B Rate Riders	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
GA Rate Riders	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0054	213	\$ 1.15	\$ 0.0054	213	\$ 1.15	\$ -	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	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 27.11			\$ 31.08	\$ 3.97	14.64%
RTSR - Network	\$ 0.0061	229	\$ 1.40	\$ 0.0067	229	\$ 1.54	\$ 0.14	9.84%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0048	229	\$ 1.10	\$ 0.0053	229	\$ 1.22	\$ 0.11	10.42%
Sub-Total C - Delivery (including Sub-Total B)			\$ 29.61			\$ 33.83	\$ 4.22	14.26%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	229	\$ 0.83	\$ 0.0034	229	\$ 0.78	\$ (0.05)	-5.56%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	229	\$ 0.11	\$ 0.0005	229	\$ 0.11	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	138	\$ 9.00	\$ 0.0650	138	\$ 9.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	36	\$ 3.40	\$ 0.0940	36	\$ 3.40	\$ -	0.00%
TOU - On Peak	\$ 0.1320	38	\$ 5.06	\$ 0.1320	38	\$ 5.06	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 48.26			\$ 52.44	\$ 4.18	8.65%
HST	13%		\$ 6.27	13%		\$ 6.82	\$ 0.54	8.65%
8% Rebate	8%		\$ (3.86)	8%		\$ (4.20)	\$ (0.33)	-
Total Bill on TOU			\$ 50.68			\$ 55.06	\$ 4.38	8.65%

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	\$ 22.10	1	\$ 22.10	\$ 25.92	1	\$ 25.92	\$ 3.82	17.29%
Distribution Volumetric Rate	\$ 0.0091	750	\$ 6.83	\$ 0.0062	750	\$ 4.65	\$ (2.18)	-31.87%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 28.93			\$ 30.57	\$ 1.65	5.69%
Line Losses on Cost of Power	\$ 0.1101	58	\$ 6.37	\$ 0.1101	58	\$ 6.37	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ 0.0036	750	\$ 2.70	\$ 2.70	
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0054	750	\$ 4.05	\$ 0.0054	750	\$ 4.05	\$ -	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	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 39.92			\$ 44.26	\$ 4.35	10.88%
RTSR - Network	\$ 0.0061	808	\$ 4.93	\$ 0.0067	808	\$ 5.41	\$ 0.48	9.84%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0048	808	\$ 3.88	\$ 0.0053	808	\$ 4.28	\$ 0.40	10.42%
Sub-Total C - Delivery (including Sub-Total B)			\$ 48.73			\$ 53.96	\$ 5.23	10.74%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	808	\$ 2.91	\$ 0.0034	808	\$ 2.75	\$ (0.16)	-5.56%
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	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 134.61			\$ 139.69	\$ 5.07	3.77%
HST		13%	\$ 17.50		13%	\$ 18.16	\$ 0.66	3.77%
8% Rebate		8%			8%			
Total Bill on Non-RPP Avg. Price			\$ 152.11			\$ 157.84	\$ 5.73	3.77%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption:	213	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	\$ 22.10	1	\$ 22.10	\$ 25.92	1	\$ 25.92	\$ 3.82	17.29%
Distribution Volumetric Rate	\$ 0.0091	213	\$ 1.94	\$ 0.0062	213	\$ 1.32	\$ (0.62)	-31.87%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 24.04			\$ 27.24	\$ 3.20	13.32%
Line Losses on Cost of Power	\$ 0.1101	16	\$ 1.81	\$ 0.1101	16	\$ 1.81	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	213	\$ -	\$ 0.0036	213	\$ 0.77	\$ 0.77	-
CBR Class B Rate Riders	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
GA Rate Riders	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0054	213	\$ 1.15	\$ 0.0054	213	\$ 1.15	\$ -	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	\$ -	213	\$ -	\$ -	213	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 27.57			\$ 31.54	\$ 3.97	14.40%
RTSR - Network	\$ 0.0061	229	\$ 1.40	\$ 0.0067	229	\$ 1.54	\$ 0.14	9.84%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0048	229	\$ 1.10	\$ 0.0053	229	\$ 1.22	\$ 0.11	10.42%
Sub-Total C - Delivery (including Sub-Total B)			\$ 30.07			\$ 34.29	\$ 4.22	14.04%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	229	\$ 0.83	\$ 0.0034	229	\$ 0.78	\$ (0.05)	-5.56%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	229	\$ 0.11	\$ 0.0005	229	\$ 0.11	\$ -	0.00%
Standard Supply Service Charge	\$ -		\$ -	\$ -		\$ -	\$ -	-
Non-RPP Retailer Avg. Price	\$ 0.1101	213	\$ 23.45	\$ 0.1101	213	\$ 23.45	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 54.46			\$ 58.64	\$ 4.18	7.67%
HST		13%	\$ 7.08		13%	\$ 7.62	\$ 0.54	7.67%
8% Rebate		8%	\$ -		8%	\$ -	\$ -	-
Total Bill on Non-RPP Avg. Price			\$ 61.54			\$ 66.26	\$ 4.72	7.67%

1

Appendix 4 2012 RRWF



Ontario Energy Board

REVENUE REQUIREMENT WORK FORM

Version 2.20

Choose Your Utility:

Hearst Power Distribution Company Limited
Horizon Utilities Corporation
Hydro 2000 Inc.

File Number:

EB-2011-XXX

Rate Year:

2012

Application Contact Information

Name:

[Rene Beaulne](#)

Title:

[General Manager](#)

Phone Number:

[613-679-4093](#)

Email Address:

aphydro@hawk.igs.net

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Ontario Energy Board

REVENUE REQUIREMENT WORK FORM

Version 2.20

Choose Your Utility:

Hearst Power Distribution Company Limited
Horizon Utilities Corporation
Hydro 2000 Inc.

File Number:

EB-2011-XXX

Rate Year:

2012

Application Contact Information

Name:

[Rene Beaulne](#)

Title:

[General Manager](#)

Phone Number:

[613-679-4093](#)

Email Address:

aphydro@hawk.igs.net

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Ontario Energy Board

REVENUE REQUIREMENT WORK FORM

Version 2.20

Hydro 2000 Inc. Table of Contents

[1. Info](#)

[2. Table of Contents](#)

[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

[10A. Bill Impacts - Residential](#)

[10B. Bill Impacts - GS_LT_50kW](#)

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**



Hydro 2000 Inc.
Data Input ⁽¹⁾

	Initial Application		(6)	Per Board Decision
1	Rate Base			
Gross Fixed Assets (average)	\$1,042,597		\$ 1,042,597	\$1,042,597
Accumulated Depreciation (average)	(\$493,060) (5)		(\$493,060)	(\$493,060)
Allowance for Working Capital:				
Controllable Expenses	\$434,834		\$ 434,834 (\$33,268)	\$401,566
Cost of Power	\$2,324,713		\$ 2,324,713 \$99,819	\$2,424,532
Working Capital Rate (%)	15.00%		15.00%	15.00%
2	Utility Income			
Operating Revenues:				
Distribution Revenue at Current Rates	\$314,301			\$313,067
Distribution Revenue at Proposed Rates	\$563,134			\$515,515
Other Revenue:				
Specific Service Charges	\$3,738			\$6,738
Late Payment Charges	\$6,120			\$6,120
Other Distribution Revenue	\$10,445			\$10,445
Other Income and Deductions				
Total Revenue Offsets	\$20,303 (7)			\$23,303
Operating Expenses:				
OM+A Expenses	\$434,834		\$ 434,834 (\$33,268)	\$401,566
Depreciation/Amortization	\$76,705		\$ 76,705	\$76,705
Property taxes				
Other expenses				
3	Taxes/PILs			
Taxable Income:				
Adjustments required to arrive at taxable income	(\$7,872) (3)			(\$34,488)
Utility Income Taxes and Rates:				
Income taxes (not grossed up)	\$4,502			\$158
Income taxes (grossed up)	\$5,328			\$187
Federal tax (%)	11.00%			11.00%
Provincial tax (%)	4.50%			4.50%
Income Tax Credits				
4	Capitalization/Cost of Capital			
Capital Structure:				
Long-term debt Capitalization Ratio (%)	56.0%			56.0%
Short-term debt Capitalization Ratio (%)	4.0% (2)		(2)	4.0% (2)
Common Equity Capitalization Ratio (%)	40.0%			40.0%
Preferred Shares Capitalization Ratio (%)				
	100.0%			100.0%
Cost of Capital				
Long-term debt Cost Rate (%)	5.32%			4.41%
Short-term debt Cost Rate (%)	2.46%			2.08%
Common Equity Cost Rate (%)	9.58%			9.12%
Preferred Shares Cost Rate (%)				

Notes:

- General** Data inputs are required on Sheets 3, 10A and 10B. 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) 4.0% unless an Applicant has proposed or been approved for another amount.
 - (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



Ontario Energy Board

REVENUE REQUIREMENT WORK FORM

Version 2.20

Hydro 2000 Inc. Rate Base and Working Capital

Rate Base

Line No.	Particulars	Initial Application					Per Board Decision
1	Gross Fixed Assets (average) (3)	\$1,042,597		\$ -	\$1,042,597	\$ -	\$1,042,597
2	Accumulated Depreciation (average) (3)	(\$493,060)		\$ -	(\$493,060)	\$ -	(\$493,060)
3	Net Fixed Assets (average) (3)	\$549,537		\$ -	\$549,537	\$ -	\$549,537
4	Allowance for Working Capital (1)	\$413,932		\$ -	\$413,932	\$9,983	\$423,915
5	Total Rate Base	\$963,469		\$ -	\$963,469	\$9,983	\$973,452

Allowance for Working Capital - Derivation

(1)

6	Controllable Expenses	\$434,834		\$ -	\$434,834	(\$33,268)	\$401,566
7	Cost of Power	\$2,324,713		\$ -	\$2,324,713	\$99,819	\$2,424,532
8	Working Capital Base	\$2,759,547		\$ -	\$2,759,547	\$66,551	\$2,826,098
9	Working Capital Rate % (2)	15.00%		0.00%	15.00%	0.00%	15.00%
10	Working Capital Allowance	\$413,932		\$ -	\$413,932	\$9,983	\$423,915

Notes

(2)

Some Applicants may have a unique rate as a result of a lead-lag study.

(3)

Average of opening and closing balances for the year.




Ontario Energy Board
**REVENUE REQUIREMENT
 WORK FORM**

Version 2.20

Hydro 2000 Inc.
 Utility Income

Line No.	Particulars	Initial Application				Per Board Decision
	Operating Revenues:					
1	Distribution Revenue (at Proposed Rates)	\$563,134	(\$563,134)	\$ -	\$515,515	\$515,515
2	Other Revenue (1)	\$20,303	(\$20,303)	\$ -	\$23,303	\$23,303
3	Total Operating Revenues	\$583,437	(\$583,437)	\$ -	\$538,818	\$538,818
	Operating Expenses:					
4	OM+A Expenses	\$434,834	\$ -	\$434,834	(\$33,268)	\$401,566
5	Depreciation/Amortization	\$76,705	\$ -	\$76,705	\$ -	\$76,705
6	Property taxes	\$ -	\$ -	\$ -	\$ -	\$ -
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$511,539	\$ -	\$511,539	(\$33,268)	\$478,271
10	Deemed Interest Expense	\$29,652	(\$29,652)	\$ -	\$24,850	\$24,850
11	Total Expenses (lines 9 to 10)	\$541,191	(\$29,652)	\$511,539	(\$8,418)	\$503,121
12	Utility income before income taxes	\$42,246	(\$553,785)	(\$511,539)	\$547,236	\$35,697
13	Income taxes (grossed-up)	\$5,328	\$ -	\$5,328	(\$5,141)	\$187
14	Utility net income	\$36,918	(\$553,785)	(\$516,867)	\$552,377	\$35,510
Notes	Other Revenues / Revenue Offsets					
(1)	Specific Service Charges	\$3,738	\$ -	\$ -	\$ -	\$6,738
	Late Payment Charges	\$6,120	\$ -	\$ -	\$ -	\$6,120
	Other Distribution Revenue	\$10,445	\$ -	\$ -	\$ -	\$10,445
	Other Income and Deductions	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Revenue Offsets	\$20,303	\$ -	\$ -	\$ -	\$23,303



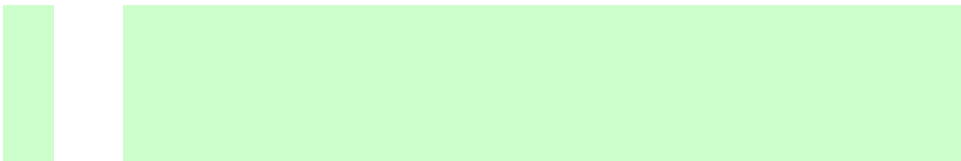

Ontario Energy Board
REVENUE REQUIREMENT
WORK FORM

Version 2.20

Hydro 2000 Inc.
Taxes/PILs

Line No.	Particulars	Application		Per Board Decision	
<u>Determination of Taxable Income</u>					
1	Utility net income before taxes	\$36,920	\$ -	\$35,512	
2	Adjustments required to arrive at taxable utility income	(\$7,872)	\$ -	(\$34,488)	
3	Taxable income	<u>\$29,048</u>	<u>\$ -</u>	<u>\$1,024</u>	
<u>Calculation of Utility income Taxes</u>					
4	Income taxes	\$4,502	\$4,502	\$158	
6	Total taxes	<u>\$4,502</u>	<u>\$4,502</u>	<u>\$158</u>	
7	Gross-up of Income Taxes	\$826	\$826	\$29	
8	Grossed-up Income Taxes	<u>\$5,328</u>	<u>\$5,328</u>	<u>\$187</u>	
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$5,328</u>	<u>\$5,328</u>	<u>\$187</u>	
10	Other tax Credits	\$ -	\$ -	\$ -	
<u>Tax Rates</u>					
11	Federal tax (%)	11.00%	11.00%	11.00%	
12	Provincial tax (%)	4.50%	4.50%	4.50%	
13	Total tax rate (%)	<u>15.50%</u>	<u>15.50%</u>	<u>15.50%</u>	

Notes





Ontario Energy Board
**REVENUE REQUIREMENT
 WORK FORM**

Version 2.20

Hydro 2000 Inc.
Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio	Cost Rate	Return	
Initial Application					
		(%) (\$)	(%)	(\$)	
	Debt				
1	Long-term Debt	56.00%	\$539,543	5.32%	\$28,704
2	Short-term Debt	4.00%	\$38,539	2.46%	\$948
3	Total Debt	60.00%	\$578,081	5.13%	\$29,652
	Equity				
4	Common Equity	40.00%	\$385,388	9.58%	\$36,920
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$385,388	9.58%	\$36,920
7	Total	100.00%	\$963,469	6.91%	\$66,572
Per Board Decision					
		(%) (\$)	(%)	(\$)	
	Debt				
1	Long-term Debt	0.00%	\$ -	0.00%	\$ -
2	Short-term Debt	0.00%	\$ -	0.00%	\$ -
3	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity				
4	Common Equity	0.00%	\$ -	0.00%	\$ -
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	0.00%	\$ -	0.00%	\$ -
7	Total	0.00%	\$963,469	0.00%	\$ -
	Debt				
8	Long-term Debt	56.00%	\$545,133	4.41%	\$24,040
9	Short-term Debt	4.00%	\$38,938	2.08%	\$810
10	Total Debt	60.00%	\$584,071	4.25%	\$24,850
	Equity				
11	Common Equity	40.00%	\$389,381	9.12%	\$35,512
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$389,381	9.12%	\$35,512
14	Total	100.00%	\$973,452	6.20%	\$60,362

Notes
 (1)

4.0% unless an Applicant has proposed or been approved for another amount.

REVENUE REQUIREMENT
WORK FORM

Version 2.20

Hydro 2000 Inc.
Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		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		\$248,835		\$195,794		\$202,451
2	Distribution Revenue	\$314,301	\$314,299	\$314,301	\$367,340	\$313,067	\$313,064
3	Other Operating Revenue	\$20,303	\$20,303	\$ -	\$ -	\$23,303	\$23,303
	Offsets - net						
4	Total Revenue	\$334,604	\$583,437	\$314,301	\$563,134	\$336,370	\$538,818
5	Operating Expenses	\$511,539	\$511,539	\$511,539	\$511,539	\$478,271	\$478,271
6	Deemed Interest Expense	\$29,652	\$29,652	\$ -	\$ -	\$24,850	\$24,850
	Total Cost and Expenses	\$541,191	\$541,191	\$511,539	\$511,539	\$503,121	\$503,121
7	Utility Income Before Income Taxes	(\$206,587)	\$42,246	(\$197,238)	\$51,595	(\$166,751)	\$35,697
8		(\$7,872)	(\$7,872)	(\$7,872)	(\$7,872)	(\$34,488)	(\$34,488)
	Tax Adjustments to Accounting Income per 2009 PILs						
9	Taxable Income	(\$214,459)	\$34,374	(\$205,110)	\$43,723	(\$201,239)	\$1,209
10	Income Tax Rate	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
11	Income Tax on Taxable Income	(\$33,241)	\$5,328	(\$31,792)	\$6,777	(\$31,192)	\$187
12	Income Tax Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Utility Net Income	(\$173,346)	\$36,918	(\$165,446)	(\$516,867)	(\$135,559)	\$35,510
14	Utility Rate Base	\$963,469	\$963,469	\$963,469	\$963,469	\$973,452	\$973,452
	Deemed Equity Portion of Rate Base	\$385,388	\$385,388	\$ -	\$ -	\$389,381	\$389,381
15	Income/(Equity Portion of Rate Base)	-44.98%	9.58%	0.00%	0.00%	-34.81%	9.12%
16	Target Return - Equity on Rate Base	9.58%	9.58%	0.00%	0.00%	9.12%	9.12%
17	Deficiency/Sufficiency in Return on Equity	-54.56%	0.00%	0.00%	0.00%	-43.93%	0.00%
18	Indicated Rate of Return	-14.91%	6.91%	-17.17%	0.00%	-11.37%	6.20%
19	Requested Rate of Return on Rate Base	6.91%	6.91%	0.00%	0.00%	6.20%	6.20%
20	Deficiency/Sufficiency in Rate of Return	-21.82%	0.00%	-17.17%	0.00%	-17.57%	0.00%
21	Target Return on Equity	\$36,920	\$36,920	\$ -	\$ -	\$35,512	\$35,512
22	Revenue Deficiency/(Sufficiency)	\$210,266	(\$2)	\$165,446	\$ -	\$171,071	(\$2)
23	Gross Revenue Deficiency/(Sufficiency)	\$248,835 (1)		\$195,794 (1)		\$202,451 (1)	

Notes:

(1)

Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



Ontario Energy Board

**REVENUE REQUIREMENT
WORK FORM**

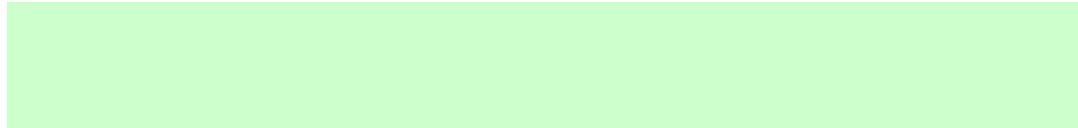
Version 2.20

Hydro 2000 Inc.
Revenue Requirement

Line No.	Particulars	Application		Per Board Decision	
1	OM&A Expenses	\$434,834		\$434,834	\$401,566
2	Amortization/Depreciation	\$76,705		\$76,705	\$76,705
3	Property Taxes	\$ -			
5	Income Taxes (Grossed up)	\$5,328		\$5,328	\$187
6	Other Expenses	\$ -			
7	Return				
	Deemed Interest Expense	\$29,652		\$ -	\$24,850
	Return on Deemed Equity	\$36,920		\$ -	\$35,512
8	Service Revenue Requirement (before Revenues)	<u>\$583,439</u>		<u>\$516,867</u>	<u>\$538,820</u>
9	Revenue Offsets	\$20,303		\$ -	\$23,303
10	Base Revenue Requirement	<u>\$563,136</u>		<u>\$516,867</u>	<u>\$515,517</u>
11	Distribution revenue	\$563,134		\$ -	\$515,515
12	Other revenue	\$20,303		\$ -	\$23,303
13	Total revenue	<u>\$583,437</u>		<u>\$ -</u>	<u>\$538,818</u>
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u>(\$2)</u>	(1)	<u>(\$516,867)</u>	(1) <u>(\$2)</u>

Notes
(1)

Line 11 - Line 8





Ontario Energy Board

**REVENUE REQUIREMENT
WORK FORM**

Version 2.20

Hydro 2000 Inc.
Bill Impacts - Residential

Application of New Loss Factor to all applicable items Application of new Loss Factor to Delivery Items Only

Consumption kWh

Charge Unit	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
1 Monthly Service Charge	\$ 8.5300	1	\$ 8.53	\$ 12.8700	1	\$ 12.87	\$ 4.34	50.88%
2 Smart Meter Rate Adder	\$ 1.6900	1	\$ 1.69	\$ -	1	\$ -	-\$ 1.69	-100.00%
3 Service Charge Rate Adder(s)		1	\$ -		1	\$ -	\$ -	
4 Service Charge Rate Rider(s)		1	\$ -		1	\$ -	\$ -	
5 Distribution Volumetric Rate	\$ 0.0060	800	\$ 4.80	\$ 0.0129	800	\$ 10.32	\$ 5.52	115.00%
6 Low Voltage Rate Adder	\$ 0.0042	800	\$ 3.36	\$ 0.0054	800	\$ 4.32	\$ 0.96	28.57%
7 Volumetric Rate Adder(s)		800	\$ -		800	\$ -	\$ -	
8 Volumetric Rate Rider(s)		800	\$ -		800	\$ -	\$ -	
9 Smart Meter Disposition Rider		800	\$ -		800	\$ -	\$ -	
10 LRAM & SSM Rate Rider		800	\$ -	\$ 0.0008	800	\$ 0.64	\$ 0.64	
11 Deferral/Variance Account Disposition Rate Rider	-\$ 0.0017	800	\$ -1.36	-\$ 0.0039	800	\$ -3.12	-\$ 1.76	129.41%
12 Global Adjust	\$ 0.0008	1	\$ 0.00	\$ 0.0032	800	\$ 2.56	\$ 2.56	#####
13 SMRR	\$ -		\$ -	\$ 0.2600	1	\$ 0.26	\$ 0.26	
14 LatePayment	\$ 0.2000	1	\$ 0.20	\$ -		\$ -	-\$ 0.20	-100.00%
15 SMDR			\$ -	\$ 1.0800	1	\$ 1.08	\$ 1.08	
16 Sub-Total A - Distribution			\$ 17.22			\$ 28.93	\$ 11.71	67.99%
17 RTSR - Network	\$ 0.0057	808.528	\$ 4.61	\$ 0.0056	808.618	\$ 4.53	-\$ 0.08	-1.74%
18 RTSR - Line and Transformation Connection	\$ 0.0045	808.528	\$ 3.64	\$ 0.0046	808.618	\$ 3.72	\$ 0.08	2.23%
19 Sub-Total B - Delivery (including Sub-Total A)			\$ 25.47			\$ 37.18	\$ 11.71	45.98%
20 Wholesale Market Service Charge (WMSC)	\$ 0.0052	808.528	\$ 4.20	\$ 0.0052	808.618	\$ 4.20	\$ 0.00	0.01%
21 Rural and Remote Rate Protection (RRRP)	\$ 0.0013	808.528	\$ 1.05	\$ 0.0011	808.618	\$ 0.89	-\$ 0.16	-15.38%
22 Special Purpose Charge		808.528	\$ -		808.618	\$ -	\$ -	
23 Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
24 Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
25 Energy	\$ 0.0666	808.528	\$ 53.85	\$ 0.0727	808.618	\$ 58.79	\$ 4.94	9.17%
26			\$ -			\$ -	\$ -	
27			\$ -			\$ -	\$ -	
28 Total Bill (before Taxes)			\$ 90.42			\$ 106.91	\$ 16.49	18.23%
29 HST	13%		\$ 11.75	13%		\$ 13.90	\$ 2.14	18.23%
30 Total Bill (including Sub-total B)			\$ 102.18			\$ 120.81	\$ 18.63	18.23%
31 Ontario Clean Energy Benefit (OCEB)	-10%		-\$ 10.22	-10%		-\$ 12.08	-\$ 1.86	18.20%
32 Total Bill (including OCEB)			\$ 91.96			\$ 108.73	\$ 16.77	18.24%
33 Loss Factor (%)	Note 1	<input type="text" value="1.07%"/>		<input type="text" value="1.08%"/>				

Notes:

(1): Enter existing and proposed total loss factor (Secondary Metered Customer < 5,000 kW) as a percentage.



Ontario Energy Board

**REVENUE REQUIREMENT
WORK FORM**

Version 2.20

Hydro 2000 Inc.
Bill Impacts - General Service < 50 kW

Application of New Loss Factor to all applicable items Application of new Loss Factor to Delivery Items Only

Consumption kWh

Charge Unit	Current Board-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
1 Monthly Service Charge	\$ 24.6100	1	\$ 24.61	\$ 28.8500	1	\$ 28.85	\$ 4.24	17.23%
2 Smart Meter Rate Adder	\$ 1.6900	1	\$ 1.69	\$ -	1	\$ -	-\$ 1.69	-100.00%
3 Service Charge Rate Adder(s)		1	\$ -		1	\$ -	\$ -	
4 Service Charge Rate Rider(s)		1	\$ -		1	\$ -	\$ -	
5 Distribution Volumetric Rate	\$ 0.0081	2000	\$ 16.20	\$ 0.0125	2000	\$ 25.00	\$ 8.80	54.32%
6 Low Voltage Rate Adder	\$ 0.0051	2000	\$ 10.20	\$ 0.0052	2000	\$ 10.40	\$ 0.20	1.96%
7 Volumetric Rate Adder(s)		2000	\$ -		2000	\$ -	\$ -	
8 Volumetric Rate Rider(s)		2000	\$ -		2000	\$ -	\$ -	
9 Smart Meter Disposition Rider		2000	\$ -		2000	\$ -	\$ -	
10 LRAM & SSM Rider		2000	\$ -	\$ 0.0001	2000	\$ 0.20	\$ 0.20	
11 Deferral/Variance Account Disposition Rate Rider	-\$ 0.0017	2000	-\$ 3.40	-\$ 0.0039	2000	-\$ 7.80	-\$ 4.40	129.41%
12 Global Adj	\$ 0.0008	1	\$ 0.00	\$ 0.0032		\$ -	-\$ 0.00	-100.00%
13 SMRR			\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
14 Late Payment	\$ 0.5700	1	\$ 0.57	\$ -	1	\$ -	-\$ 0.57	-100.00%
15 SMDR			\$ -	\$ 1.0800	1	\$ 1.08	\$ 1.08	
16 Sub-Total A - Distribution			\$ 49.87			\$ 58.32	\$ 8.45	16.94%
17 RTSR - Network	\$ 0.0052	2021.32	\$ 10.51	\$ 0.0051	2021.54	\$ 10.31	-\$ 0.20	-1.91%
18 RTSR - Line and Transformation Connection	\$ 0.0045	2021.32	\$ 9.10	\$ 0.0044	2021.54	\$ 8.89	-\$ 0.20	-2.21%
19 Sub-Total B - Delivery (including Sub-Total A)			\$ 69.48			\$ 77.52	\$ 8.05	11.58%
20 Wholesale Market Service Charge (WMSC)	\$ 0.0052	2021.32	\$ 10.51	\$ 0.0052	2021.54	\$ 10.51	\$ 0.00	0.01%
21 Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2021.32	\$ 2.63	\$ 0.0011	2021.54	\$ 2.22	-\$ 0.40	-15.38%
22 Special Purpose Charge		2021.32	\$ -		2021.54	\$ -	\$ -	
23 Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
24 Debt Retirement Charge (DRC)	\$ 0.0070	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
25 Energy	\$ 0.0666	2021.32	\$ 134.62	\$ 0.0694	2021.54	\$ 140.25	\$ 5.63	4.19%
26			\$ -			\$ -	\$ -	
27			\$ -			\$ -	\$ -	
28 Total Bill (before Taxes)			\$ 231.49			\$ 244.77	\$ 13.28	5.74%
29 HST		13%	\$ 30.09		13%	\$ 31.82	\$ 1.73	5.74%
30 Total Bill (including Sub-total B)			\$ 261.58			\$ 276.58	\$ 15.00	5.73%
31 Ontario Clean Energy Benefit (OCEB)		-10%	-\$ 26.16		-10%	-\$ 27.66	-\$ 1.50	5.73%
32 Total Bill (including OCEB)			\$ 235.42			\$ 248.92	\$ 13.50	5.73%
33 Loss Factor	(1)	<input type="text" value="1.07%"/>		<input type="text" value="1.08%"/>				

Notes:

(1): See Note (1) from Sheet 10A. Bill Impacts - Residential

