

RATE DESIGN

1. INTRODUCTION

This Exhibit presents the proposed rate design methodology for collecting the 2018 to 2022 revenue requirement and the proposed rates for the 2018 rate year. As discussed in Exhibit G1, Tab 3, Schedule 1, Hydro One has populated two cost allocation models for test years 2018 and 2021. The revenue requirement allocated to each rate class in 2018 and 2021 is established by the Cost Allocation Model (“CAM”). For rate years 2019, 2020 and 2022, the revenue requirement allocated to each rate class is based on the overall Hydro One year-over-year change in revenue requirement and load forecast in a given test year, as detailed later in this Exhibit.

The estimated rates over the Custom IR period are calculated based on the rate class revenue requirement after adjustments to the R/C ratios as described in Section 2.0 of this schedule. Calculation details are provided in Exhibit H1, Tab 1, Schedule 2 and Schedule 3.

The distribution rates for each rate class over the Custom IR period are summarized in Table 1. The calculated rates for 2019 through 2022 are shown for illustrative purposes and are calculated consistent with the assumptions outlined in Exhibit A, Tab 3, Schedule 2. Final rates for those rate years will be approved by the OEB in subsequent rate applications and are dependent on changes to parameters such as the OEB’s inflation adjustment factor, which is updated annually. Further details can be found in Exhibit A, Tab 3, Schedule 2.

Table 1: Distribution Rates over the 5-year Custom IR Period

Rate Class*	2018			2019			2020			2021			2022		
	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)
UR	27.76	0.0079		31.30	0.0047		35.88	0.0000		36.72	0.0000		37.47	0.0000	
R1	37.83	0.0220		42.25	0.0194		47.11	0.0160		52.36	0.0116		58.34	0.0066	
R2	88.70	0.0363		97.81	0.0322		107.83	0.0268		118.91	0.0200		131.78	0.0117	
Seasonal	40.57	0.0608		45.14	0.0530		50.12	0.0439		55.40	0.0315		61.50	0.0184	
GSe	29.68	0.0591		30.26	0.0614		30.91	0.0634		31.41	0.0652		32.00	0.0671	
UGe	23.97	0.0280		24.52	0.0290		25.11	0.0300		25.60	0.0308		26.15	0.0317	
GSd	102.93		16.8368	104.42		17.4253	106.28		17.9461	107.62		18.4441	109.34		18.9417
UGd	101.13		9.6614	102.94		10.0015	105.10		10.3011	106.70		10.5957	108.63		10.8827
St Lgt	4.08	0.0980		4.21	0.1013		4.33	0.1044		4.77	0.1070		4.89	0.1098	
Sen Lgt	3.10	0.1180		3.26	0.1239		3.45	0.1312		3.60	0.1338		3.76	0.1401	
USL	35.10	0.0287		35.76	0.0293		36.88	0.0300		37.50	0.0304		38.49	0.0311	
DGen	198.03		6.1229	198.03		9.6596	198.03		10.4433	198.03		11.1908	198.03		11.9780
AUR	N/A	N/A		N/A	N/A		N/A	N/A		30.76	0.0000		31.60	0.0000	
AUGe	N/A	N/A		N/A	N/A		N/A	N/A		30.24	0.0174		35.68	0.0206	
AUGd	N/A		N/A	N/A		N/A	N/A		N/A	209.83		3.9469	282.77		5.2811
AR	N/A	N/A		N/A	N/A		N/A	N/A		40.08	0.0000		41.17	0.0000	
AGSe	N/A	N/A		N/A	N/A		N/A	N/A		40.82	0.0187		42.92	0.0199	
AGSd	N/A		N/A	N/A		N/A	N/A		N/A	208.51		5.2229	252.30		6.4066

*ST rates are listed in Table 11.

The 2018 proposed rate schedules reflecting the rates shown in Table 1 are provided in Exhibit H1, Tab 2, Schedule 1. The currently approved rate schedules for Hydro One and the Acquired Utilities are provided in Exhibit H1, Tab 2, Schedule 2. The rate schedules for 2019 to 2022 will be determined as part of the annual process for setting rates, taking into account any changes as a result of the annual adjustments discussed in Section 2 of this Exhibit and Exhibit A, Tab 3, Schedule 2.

2. RATE DESIGN PROCESS

Generally accepted ratemaking principles guided Hydro One's development of rates for this application. Those principles are best summarized by James Bonbright's, *Principles of Public Utility Rates*. The OEB Staff's March 31, 2008, discussion paper *Rate Design for Recovery of Electricity Distribution Costs* (EB-2007-0031), cited these principles and summarized them as:

Witness: Henry Andre

- 1) Full Cost Recovery – the level and design of rates should be sufficient to provide distributors with a reasonable opportunity to recover its revenue requirement, and for rates to be effective they should be practical, clear and uncontroversial;
- 2) Fairness – customers should, in general, pay rates for distribution service that reflects the costs they “cause” as determined by a Board-approved cost allocation study; and
- 3) Efficiency – rates should encourage customers to maximize use of existing distribution assets, and encourage existing and new customers to use the system in ways that lead to rational growth.

2.1 REVENUE REQUIREMENT BY RATE CLASS

As discussed in Exhibit G1, Tab 3, Schedule 1, Hydro One has populated two cost allocation models for rate years 2018 and 2021. As such, the 2018 and 2021 revenue requirement by rate class is determined by the CAMs.

For rate years, 2019, 2020 and 2022, a revenue cap approach is used to allocate the year-over-year change in total revenue requirement to individual rate classes, as described below.

2019 Revenue Requirement by Rate Class

The 2019 revenue requirement by rate class, as shown in Table 2, was derived as follows:

1. The overall prior year’s (2018) revenue requirement is used as a starting point (column 1);

- 1 2. The overall revenue requirement for the current year (2019) is determined using
2 the revenue cap approach to increase the prior year's overall revenue requirement
3 (i.e. $\$1,504,746,361 \times 1.0318 = \$1,552,626,406^1$);
- 4 3. Using a similar approach as in the Board's CAM, column 2 determines the
5 revenue at current rates by applying the prior year's rates (2018) to the current
6 year's (2019) charge determinants and adding the current year's miscellaneous
7 revenue for each rate class; and
- 8 4. The multiplier required to collected the current year's (2019) approved overall
9 revenue requirement is established (i.e. $\$1,552,626,406 / \$1,502,421,360 =$
10 1.0334) and applied uniformly to column 2 to determine the current year's (2019)
11 revenue requirement by rate class as shown in column 3.

¹ Differences due to rounding.

Table 2: Revenue Requirement by Rate Class in 2019

	(column 1)	(column 2)	(column 3 = Column 2 x1.0334
Rate Class	2018 Revenue Requirement	Revenue - with 2018 rates and 2019 charge determinants	2019 Revenue Requirement
UR	\$ 96,412,357	\$ 97,362,112	\$ 100,615,573
R1	\$ 324,413,878	\$ 326,154,186	\$ 337,052,983
R2	\$ 530,937,907	\$ 530,640,289	\$ 548,372,212
Seasonal	\$ 114,381,769	\$ 113,835,562	\$ 117,639,501
GSe	\$ 160,939,540	\$ 158,604,594	\$ 163,904,539
GSd	\$ 143,944,127	\$ 142,594,662	\$ 147,359,617
UGe	\$ 22,789,363	\$ 22,652,082	\$ 23,409,026
UGd	\$ 29,911,671	\$ 29,597,050	\$ 30,586,067
St Lgt	\$ 12,540,668	\$ 12,600,360	\$ 13,021,415
Sen Lgt	\$ 6,843,174	\$ 6,848,929	\$ 7,077,794
USL	\$ 3,184,708	\$ 3,204,764	\$ 3,311,855
DGen	\$ 4,029,099	\$ 4,354,005	\$ 4,499,499
ST	\$ 54,418,099	\$ 53,972,765	\$ 55,776,324
TOTAL	\$ 1,504,746,361	\$ 1,502,421,360	\$ 1,552,626,406
2019 Revenue Requirement	\$ 1,552,626,406		
Multiplier to bring column 2 total to 2019 Revenue Requirement	1.0334		

Calculations are set out in Exhibit H1-01-02.

The same approach described for 2019 is used to determine the 2020 and 2022 revenue requirement by rate class, as shown in Tables 3 and 4, respectively.

Witness: Henry Andre

1

Table 3: Revenue Requirement by Rate Class in 2020

	(column 1)	(column 2)	(column 3 = Column 2 x 1.0288)
Rate Class	2019 Revenue Requirement	Revenue - with 2019 rates and 2020 charge	2020 Revenue Requirement
UR	\$ 100,615,573	\$ 101,751,736	\$ 104,687,129
R1	\$ 337,052,983	\$ 339,786,860	\$ 349,589,229
R2	\$ 548,372,212	\$ 549,722,196	\$ 565,580,901
Seasonal	\$ 117,221,930	\$ 117,059,657	\$ 120,436,661
GSe	\$ 163,904,539	\$ 162,591,237	\$ 167,281,763
GSd	\$ 147,359,617	\$ 147,173,080	\$ 151,418,814
UGe	\$ 23,409,026	\$ 23,413,102	\$ 24,088,537
UGd	\$ 30,586,067	\$ 30,499,427	\$ 31,379,292
St Lgt	\$ 13,021,415	\$ 13,101,031	\$ 13,478,977
Sen Lgt	\$ 7,013,093	\$ 7,010,880	\$ 7,213,134
USL	\$ 3,263,786	\$ 3,287,361	\$ 3,382,196
DGen	\$ 5,029,838	\$ 5,399,008	\$ 5,554,762
ST	\$ 55,776,324	\$ 55,712,335	\$ 57,319,557
TOTAL	\$ 1,552,626,406	\$ 1,556,507,909	\$ 1,601,410,953
2020 Revenue Requirement	\$ 1,601,410,953		
Multiplier to bring column 2 total to 2020 Revenue Requirement	1.0288		

2

3 Calculations are set out in Exhibit H1-01-02.

Table 4: Revenue Requirement by Rate Class in 2022

	(column 1)	(column 2)	(column 3 = Column 2 x 1.0261)
Rate Class	2021 Revenue Requirement	Revenue - with 2021 rates and 2022 charge	2022 Revenue Requirement
UR	\$ 108,197,006	\$ 109,380,872	\$ 112,233,115
R1	\$ 358,712,684	\$ 361,417,086	\$ 370,841,490
R2	\$ 581,235,238	\$ 583,479,266	\$ 598,694,221
Seasonal	\$ 122,257,078	\$ 122,277,748	\$ 125,466,294
GSe	\$ 169,918,233	\$ 168,802,460	\$ 173,204,196
GSd	\$ 154,759,332	\$ 154,539,478	\$ 158,569,289
UGe	\$ 24,683,719	\$ 24,712,010	\$ 25,356,406
UGd	\$ 32,041,885	\$ 31,978,892	\$ 32,812,782
St Lgt	\$ 14,941,715	\$ 15,010,442	\$ 15,401,858
Sen Lgt	\$ 6,701,274	\$ 6,699,587	\$ 6,874,287
USL	\$ 3,600,058	\$ 3,620,613	\$ 3,715,025
DGen	\$ 6,046,176	\$ 6,354,301	\$ 6,519,998
ST	\$ 58,667,225	\$ 58,783,473	\$ 60,316,326
AUR	\$ 5,920,185	\$ 5,978,131	\$ 6,134,019
AUGe	\$ 1,285,947	\$ 1,298,097	\$ 1,331,947
AUGd	\$ 2,132,191	\$ 2,136,478	\$ 2,192,189
AR	\$ 18,908,343	\$ 19,034,096	\$ 19,530,434
AGSe	\$ 4,214,733	\$ 4,191,570	\$ 4,300,870
AGSd	\$ 4,428,945	\$ 4,440,433	\$ 4,556,223
TOTAL	\$ 1,678,651,970	\$ 1,684,135,034	\$ 1,728,050,969
2022 Revenue Requirement	\$ 1,728,050,969		
Multiplier to bring column 2 total to 2022 Revenue Requirement	1.0261		

Calculations are set out in Exhibit H1-01-02.

2.2 REVENUE-TO-COST RATIO

Hydro One proposes to adjust class revenue recovery as necessary to move the revenue-to-cost ("R/C") ratios for all rate classes towards the Board-approved ranges, specified in EB-2010-0219 – Review of Electricity Distribution Cost Allocation Policy, Report of the

Witness: Henry Andre

1 Board, issued on March 31, 2011 and EB-2012-0383 – OEB Letter – New Cost
2 Allocation Policy for Street Lighting Rate Class, issued on June 12, 2015.

3
4 The classes with R/C ratios outside the Board-approved ranges will have their R/C ratio
5 change phased-in over multiple years, if necessary, to achieve the end state target while
6 limiting total bill impacts to customers. Where necessary, adjustments are applied to
7 move the R/C ratios towards the Board-approved range, consistent with the approach
8 previously approved by the Board. To increase the R/C ratio of a rate class that is outside
9 the Board-approved range requires an increase in revenue requirement for this rate class.
10 That increase in revenue will be made up by decreasing the revenue collected from those
11 classes with the highest R/C ratios above 1, as required. This decrease in revenue results
12 in a decrease to the R/C ratio of these classes. For any given year, the increase in the
13 revenue to be collected from rate classes whose R/C ratio was increased is exactly offset
14 by an equal decrease in revenue to be collected from those rate classes whose R/C ratio
15 was decreased.

16
17 R/C Ratio from 2017 to 2018

18 Table 5 shows how the R/C ratio and revenue requirement by class are adjusted by the
19 2018 rate design process. In 2018, most of the 2018 R/C ratios as determined by the
20 2018 CAM are already within the Board-approved range and require no further
21 adjustment. The exception is the Distribution Generation (DGen) class, which has a 2018
22 CAM R/C ratio of 0.57. Hydro One proposes to increase the DGen class R/C ratio to
23 0.62 in 2018, which is the maximum the R/C ratio can be increased while still limiting
24 the total bill impact for a typical DGen customer to no more than 10%. This is the same
25 approach proposed, and approved by the Board, in Hydro One's 2016 and 2017 Draft
26 Rate Orders (EB-2015-0079 and EB-2016-0081). The increase in revenue collected from
27 the DGen class is offset by decreasing the revenue collected from USL, Sen. Lights and
28 Seasonal classes, which have the highest R/C ratios above 1.

Witness: Henry Andre

Table 5: Revenue-to-Cost Ratios and Class Revenue Recovery – 2017 to 2018

Rate Class	2017		2018				Board Range R/C (%)
	R/C	Revenue Requirement (\$ M)	R/C		Revenue Requirement (\$ M)		
				CAM	After Rate Design	CAM	After Rate Design
UR	1.10	87.6	1.05	1.05	96.4	96.4	85 - 115
R1	1.10	310.9	1.07	1.07	324.4	324.4	85 - 115
R2	0.95	519.4	0.95	0.95	530.9	530.9	85 - 115
Seasonal	1.04	113.4	1.09	1.09	114.5	114.4	85 - 115
GSe	0.99	160.6	1.01	1.01	160.9	160.9	80 - 120
UGe	0.95	21.8	1.02	1.02	22.8	22.8	80 - 120
GSd	0.95	145.5	0.97	0.97	143.9	143.9	80 - 120
UGd	0.95	30.3	0.95	0.95	29.9	29.9	80 - 120
St Lgt	0.95	12.1	0.93	0.93	12.5	12.5	80 - 120
Sen Lgt	0.95	7.3	1.10	1.09	6.9	6.8	80 - 120
USL	1.10	3.2	1.15	1.09	3.4	3.2	80 - 120
DGen	0.61	4.6	0.57	0.62	3.7	4.0	80 - 120*
ST	0.95	51.0	0.98	0.98	54.4	54.4	85 - 115
TOTAL		1,467.6			1,504.7	1,504.7	

* Assume same as for GS, as previously approved in EB-2013-0416

R/C Ratio from 2018 to 2020

Table 6 and Table 7 show how the R/C ratio and revenue requirement by class are adjusted by the 2019 and 2020 rate design process. Hydro One proposes to continue increasing the DGen class R/C ratio from 0.62 in 2018 to 0.75 in 2019, which limits the total bill impact for a typical DGen customer to no more than 10% per year. The increase in revenue from the DGen class is made up by decreasing the revenue collected from the USL, Sen. Lights and Seasonal classes, which had the highest R/C ratios above 1. By 2020, the DGen rate class R/C ratio will be within the Board-approved range and no further adjustments will be required to any of the R/C ratios.

Witness: Henry Andre

Table 6: Revenue-to-Cost Ratios and Class Revenue Recovery – 2018 to 2019

Rate Class	2018		2019			
	R/C	Revenue Requirement (\$ M)	R/C		Revenue Requirement (\$ M)	
			Before Rate Design	After Rate Design	Before Rate Design	After Rate Design
UR	1.05	96.4	1.06	1.06	100.6	100.6
R1	1.07	324.4	1.08	1.08	337.1	337.1
R2	0.95	530.9	0.95	0.95	548.4	548.4
Seasonal	1.09	114.4	1.09	1.08	117.6	117.2
GSe	1.01	160.9	1.00	1.00	163.9	163.9
UGe	1.02	22.8	1.01	1.01	23.4	23.4
GSd	0.97	143.9	0.96	0.96	147.4	147.4
UGd	0.95	29.9	0.94	0.94	30.6	30.6
St Lgt	0.93	12.5	0.94	0.94	13.0	13.0
Sen Lgt	1.09	6.8	1.09	1.08	7.1	7.0
USL	1.09	3.2	1.10	1.08	3.3	3.3
DGen	0.62	4.0	0.67	0.75	4.5	5.0
ST	0.98	54.4	0.98	0.98	55.8	55.8
TOTAL		1,504.7			1,552.6	1,552.6

Table 7: Revenue-to-Cost Ratios and Class Revenue Recovery – 2019 to 2020

Rate Class	2019		2020			
	R/C	Revenue Requirement (\$ M)	R/C		Revenue Requirement (\$ M)	
			Before Rate Design	After Rate Design	Before Rate Design	After Rate Design
UR	1.06	100.6	1.07	1.07	104.7	104.7
R1	1.08	337.1	1.09	1.09	349.6	349.6
R2	0.95	548.4	0.95	0.95	565.6	565.6
Seasonal	1.08	117.2	1.08	1.08	120.4	120.4
GSe	1.00	163.9	0.99	0.99	167.3	167.3
UGe	1.01	23.4	1.01	1.01	24.1	24.1
GSd	0.96	147.4	0.95	0.95	151.4	151.4
UGd	0.94	30.6	0.93	0.93	31.4	31.4
St Lgt	0.94	13.0	0.94	0.94	13.5	13.5
Sen Lgt	1.08	7.0	1.08	1.08	7.2	7.2
USL	1.08	3.3	1.09	1.09	3.4	3.4
DGen	0.75	5.0	0.81	0.81	5.6	5.6
ST	0.98	55.8	0.97	0.97	57.3	57.3
TOTAL		1,552.6			1,601.4	1,601.4

Witness: Henry Andre

1 R/C Ratio from 2020 to 2021

2 The 2021 R/C ratios as determined by the 2021 CAM are the starting point for the 2021
3 rate design. As shown in Table 8 most of the rate classes are already within the Board-
4 approved range and require no further adjustment. The five rate classes whose R/C ratios
5 require adjustment are the AUGe, AUGd, AR, AGSe and AGSd classes, which are all
6 new rate classes created as a result of incorporating the Acquired Utilities.

7
8 Hydro One proposes to phase-in an increase to the R/C ratios for these classes to within
9 the Board-approved range while limiting the total bill impact. The principle adopted for
10 determining how much to increase the R/C ratio for these rate classes is based on the
11 following considerations:

- 12
13 i) Acquired customers' base distribution rates have been frozen since 2014, while base
14 distribution rates of existing Hydro One customers have increased about 22% over the
15 period from 2015 to 2021;
16 ii) The total bill impacts for acquired customers should be similar to what other Hydro
17 One customers in a similar rate class will experience in 2021; and
18 iii) The bill impact due to phasing in R/C ratios to within the Board-approved range
19 should not exceed either i) or ii), whichever is higher.

20
21 Following the above principle, Hydro One proposes to adjust the 2021 R/C ratios as
22 follows:

- 23
24 • AUGe from 0.60 to 0.70, resulting in a distribution bill impact of 22% and a total bill
25 impact of 3.1% for an average customer;
26 • AUGd from 0.43 to 0.62, resulting in a total bill impact of 0.3% for an average
27 customer, which is similar to the total bill impact for an average customer in the UGd
28 class;

Witness: Henry Andre

- 1 • AR from 0.79 to 0.85, which raises the R/C ratio to within the Board-approved range
2 while resulting in a total bill impact of 4.1% for an average former Haldimand
3 County Hydro customer and a total bill impact of 5.0% for an average former Norfolk
4 Power customer;
- 5 • AGSe from 0.74 to 0.79, resulting in a distribution bill impact of 22% and a total bill
6 impact of 3.5% for an average former Haldimand County Hydro customer. An
7 average former Norfolk Power customer will see a total bill impact of 0.2%; and
- 8 • AGSd from 0.53 to 0.67, resulting in a total bill impact of 0.6% for both an average
9 former Haldimand County Hydro and an average former Norfolk Power customer,
10 which is similar to the total bill impact for an average customer in the GSd class.

11
12 The increase in revenue from these classes is offset by decreasing the revenue collected
13 from the UR, R1, Seasonal and USL classes, which had the highest R/C ratios above 1.

Table 8: Revenue-to-Cost Ratios and Class Revenue Recovery – 2020 to 2021

Rate Class	2020		2021				Board Range
	R/C	Revenue Requirement (S M)	R/C		Revenue Requirement (\$ M)		R/C (%)
			CAM	After Rate Design	CAM	After Rate Design	
UR	1.07	104.7	1.10	1.10	108.5	108.2	85 - 115
R1	1.09	349.6	1.10	1.10	360.7	358.7	85 - 115
R2	0.95	565.6	0.97	0.97	581.2	581.2	85 - 115
Seasonal	1.08	120.4	1.11	1.10	123.3	122.3	85 - 115
GSe	0.99	167.3	1.00	1.00	169.9	169.9	80 - 120
UGe	1.01	24.1	1.01	1.01	24.7	24.7	80 - 120
GSd	0.95	151.4	0.93	0.93	154.8	154.8	80 - 120
UGd	0.93	31.4	0.90	0.90	32.0	32.0	80 - 120
St Lgt	0.94	13.5	0.95	0.95	14.9	14.9	80 - 120
Sen Lgt	1.08	7.2	1.01	1.01	6.7	6.7	80 - 120
USL	1.09	3.4	1.11	1.10	3.6	3.6	80 - 120
DGen	0.81	5.6	0.82	0.82	6.0	6.0	80 - 120*
ST	0.97	57.3	0.89	0.89	58.7	58.7	85 - 115
AUR	N/A	N/A	0.88	0.88	5.9	5.9	85 - 115
AUGe	N/A	N/A	0.60	0.70	1.1	1.3	80 - 120
AUGd	N/A	N/A	0.43	0.62	1.5	2.1	80 - 120
AR	N/A	N/A	0.79	0.85	17.6	18.9	85 - 115
AGSe	N/A	N/A	0.74	0.79	4.0	4.2	80 - 120
AGSd	N/A	N/A	0.53	0.67	3.5	4.4	80 - 120
TOTAL		1,601.41			1,678.7	1,678.7	

R/C Ratio from 2021 to 2022

Table 9 shows how the R/C ratio and revenue requirement by class are adjusted by the 2022 rate design process. Hydro One proposes to increase the AUGe, AUGd, AGSe and AGSd class R/C ratios to the Board-approved value of 0.80, which can be achieved while still limiting the total bill impact to well below 10%. The increase in revenue from these classes is offset by decreasing the revenue from the R1, UR and USL classes, which had the highest R/C ratios above 1.

Witness: Henry Andre

Table 9: Revenue-to-Cost Ratios and Class Revenue Recovery – 2021 to 2022

Rate Class	2021		2022			
	R/C	Revenue Requirement (\$ M)	R/C		Revenue Requirement (\$ M)	
			Before Rate Design	After Rate Design	Before Rate Design	After Rate Design
UR	1.10	108.2	1.11	1.10	112.2	111.5
R1	1.10	358.7	1.10	1.10	370.8	369.7
R2	0.97	581.2	0.97	0.97	598.7	598.7
Seasonal	1.10	122.3	1.09	1.09	125.5	125.5
GSe	1.00	169.9	0.99	0.99	173.2	173.2
UGe	1.01	24.7	1.01	1.01	25.4	25.4
GSd	0.93	154.8	0.92	0.92	158.6	158.6
UGd	0.90	32.0	0.90	0.90	32.8	32.8
St Lgt	0.95	14.9	0.95	0.95	15.4	15.4
Sen Lgt	1.01	6.7	1.00	1.00	6.9	6.9
USL	1.10	3.6	1.10	1.10	3.7	3.7
DGen	0.82	6.0	0.85	0.85	6.5	6.5
ST	0.89	58.7	0.89	0.89	60.3	60.3
AUR	0.88	5.9	0.89	0.89	6.1	6.1
AUGe	0.70	1.3	0.70	0.80	1.3	1.5
AUGd	0.62	2.1	0.61	0.80	2.2	2.9
AR	0.85	18.9	0.85	0.85	19.5	19.5
AGSe	0.79	4.2	0.78	0.80	4.3	4.4
AGSd	0.67	4.4	0.67	0.80	4.6	5.4
TOTAL		1,678.7			1,728.1	1,728.1

R/C ratio adjustment calculation details are provided in Exhibit H1, Tab 1, Schedule 2,
 which is also provided in Excel format.

Witness: Henry Andre

1 **2.3 FIXED VERSUS VOLUMETRIC CHARGES**

2
3 **2.3.1 MOVE TO ALL-FIXED RATES FOR RESIDENTIAL CLASSES**

4
5 In the Report of the Board: A New Distribution Rate Design for Residential Electricity
6 Customers (EB-2012-0410) issued April 2, 2015, the Board confirmed that rates for
7 residential customers will migrate to a fixed monthly distribution (“all-fixed”) charge
8 over a transition period commencing in 2016.

9
10 Hydro One Existing Residential Rate Classes

11 In its Decision on Hydro One’s 2016 Draft Rate Order (EB-2013-0416/EB-2015-0079),
12 the Board approved Hydro One’s proposed mitigation plan to extend the phase-in period
13 to five years for the UR class and ordered an eight-year phase-in period for the R1, R2
14 and Seasonal rate classes.

15
16 In this application, Hydro One continues to use the same methodology, approved by the
17 Board in Hydro One’s 2016 and 2017 Draft Rate Orders (EB-2015-0079 and EB-2016-
18 0081) to calculate the proposed monthly fixed service charges and corresponding
19 volumetric charges for 2018 to 2022 rates for the R1, R2, UR and Seasonal rate classes.
20 The transition to all-fixed distribution rates will be complete in 2020 for UR rate class
21 and 2023 for R1, R2 and Seasonal rate classes.

22
23 The detailed calculations are shown in Exhibit H1, Tab 1, Schedule 2.

24
25 Acquired Residential Rate Classes

26 In its Decisions on the 2016 distribution rates applications for Norfolk Power (EB-2015-
27 0269), Haldimand County Hydro (EB-2015-0259), and Woodstock Hydro (EB-2015-
28 0271), the Board ordered multi-year phase-in periods for the transition to all-fixed

Witness: Henry Andre

1 residential rates, commencing in 2016. Specifically, the Board ordered a four-year phase-
2 in for Norfolk Power and a five-year phase-in for Haldimand County Hydro and
3 Woodstock Hydro. By 2020, the phase-in period will have ended for the Acquired
4 Utilities. As such, the proposed 2021 residential rates for the customers formerly served
5 by the Acquired Utilities are 100% fixed. The year-over-year move to all-fixed
6 residential distribution charges for the Acquired Utilities will continue to proceed via
7 annual rate applications, to be filed separately with the Board, for 2018 to 2020 rates.

8 9 **2.3.2 NON-RESIDENTIAL CLASSES**

10 11 Hydro One Existing Non-Residential Rate Classes

12 Hydro One proposes to maintain the same fixed-to-variable revenue split for all non-
13 residential rate classes (except DGen) that were approved by the Board in Hydro One's
14 last distribution rate application and subsequent Draft Rate Orders (EB-2013-0416, EB-
15 2015-0079 and EB-2016-0081).

16
17 Given the approach previously adopted for fixed and variable charges to the DGen class
18 as a result of phasing-in its R/C ratio to the Board-approved range, Hydro One proposes
19 to reset the DGen fixed charge in 2018 to the minimum system values calculated in Sheet
20 O2 of the 2018 CAM. Hydro One also proposes that this fixed charge remain unchanged
21 for the 2018 to 2022 period, while revenue increases over the 2019 to 2022 period are to
22 be absorbed by increases to the volumetric charges.

23 24 Acquired Non-Residential Rate Classes

25 The AUGe and AUGd classes consist of customers formerly served by Woodstock
26 Hydro. Hydro One proposes to maintain the same fixed-to-variable split in revenue,
27 approved by the Board in Woodstock Hydro's last Cost-of-Service distribution rate

application. The fixed-to-variable split for these classes will remain unchanged over the 2021 to 2022 period to provide stability in customer rates and revenue mix.

The AGSe and AGSd classes consist of customers formerly served by Norfolk Power and Haldimand County Hydro. Hydro One proposes to use a blended fixed-to-variable split, which is a revenue weighted average of the two ratios approved by the Board in Norfolk Power and Haldimand Hydro's last Cost-of-Service distribution rate applications. The fixed-to-variable split for AGSe and AGSd will remain unchanged over the 2021 to 2022 period to provide stability in customer rates and revenue mix.

Table 10 below summarizes the current and proposed fixed and volumetric revenue split.

Table 10: Current and Proposed Fixed and Volumetric Revenue Split – 2017 to 2022

Rate Class	2017		2018		2019		2020		2021		2022	
	Fixed	Volumetric	Fixed	Volumetric	Fixed	Volumetric	Fixed	Volumetric	Fixed	Volumetric	Fixed	Volumetric
UR	77%	23%	82%	18%	90%	10%	100%	0%	100%	0%	100%	0%
R1	61%	39%	65%	35%	71%	29%	76%	24%	83%	17%	91%	9%
R2	64%	36%	68%	32%	73%	27%	78%	22%	84%	16%	91%	9%
Seasonal	61%	39%	65%	35%	71%	29%	77%	23%	84%	16%	91%	9%
GSe	20%	80%	20%	80%	20%	80%	20%	80%	20%	80%	20%	80%
UGe	24%	76%	24%	76%	24%	76%	24%	76%	24%	76%	24%	76%
GSd	5%	95%	5%	95%	5%	95%	5%	95%	5%	95%	5%	95%
UGd	7%	93%	7%	93%	7%	93%	7%	93%	7%	93%	7%	93%
St Lgt	2%	98%	2%	98%	2%	98%	2%	98%	2%	98%	2%	98%
Sen Lgt	27%	73%	27%	73%	27%	73%	27%	73%	27%	73%	27%	73%
USL	77%	23%	77%	23%	77%	23%	77%	23%	77%	23%	77%	23%
DGen	66%	34%	71%	29%	62%	38%	62%	38%	61%	39%	60%	40%
ST	19%	81%	19%	81%	19%	81%	19%	81%	19%	81%	19%	81%
AUR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	0%	100%	0%
AUGe	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39%	61%	39%	61%
AUGd	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23%	77%	23%	77%
AR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	0%	100%	0%
AGSe	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	52%	48%	52%	48%
AGSd	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21%	79%	21%	79%

Witness: Henry Andre

3. CALCULATION OF SUB-TRANSMISSION (ST) RATES

3.1 INTRODUCTION

The charges for the use of Common ST lines, High Voltage Distribution Stations (“HVDS”), Low Voltage Distribution Stations (“LVDS”) and Specific ST Line, were derived using the results of the 2018 and 2021 CAMs, and reflect the changes in revenue requirement and load forecast in those years. The methodology used in this application for the allocation of costs to the ST rate class, as well as for the design of ST rates has not changed from the methodology that was used in Hydro One’s 2015-2017 Distribution Rate Application (EB-2013-0416). Hydro One has had approved ST rates applicable to its embedded distributors since 2008. As such, embedded distributors have had the opportunity to review the cost allocation and rate design of the rates applicable to them as part of the regulatory approval process for Hydro One’s previous rate applications.

The HVDS and Common ST line charges are billed to customers supplied from multiple feeders connected to the same Transmission Station (“TS”) or HVDS based on their aggregated billing demand. The aggregation of billing demand is consistent with the billing of Retail Transmission Service Rates (“RTSR”) for ST customers and was most recently reviewed and approved in Hydro One’s 2015 to 2017 distribution rate application (EB-2013-0416).

As previously reviewed and approved by the Board in Hydro One’s most recent distribution rate application, customers with load displacement generation above 1 MW, or 2 MW for renewable generation, installed after October 1998, are billed ST volumetric charges on a gross load basis.

3.2 DERIVATION OF ST RATES

Table 11 shows the current approved 2017 ST charges, the proposed 2018 and the estimated 2019-2022 ST charges. Details of the derivation of the proposed ST Charges are provided in Exhibit H1, Tab 1, Schedule 3, which has also been provided in Excel format.

Table 11: Current and Proposed ST Charges

		Current	Proposed				
	Unit	2017	2018	2019	2020	2021	2022
Fixed Service Charge	\$	492.55	533.12	544.70	558.13	563.60	577.40
Meter Charge	\$/meter	764.01	670.96	681.93	698.75	705.60	722.88
Common Line	\$/kW	1.2052	1.3153	1.3683	1.4140	1.4475	1.4906
Specific ST Line	\$/km	812.8973	643.6199	643.6199	643.6199	719.0339	719.0339
HVDS-high	\$/kW	1.8088	1.8451	1.8451	1.8451	1.8773	1.8773
HVDS-low	\$/kW	3.3552	3.3687	3.3823	3.3827	3.6791	3.6780
LVDS-low	\$/kW	1.5464	1.5236	1.5372	1.5376	1.8018	1.8007

3.2.1 FIXED SERVICE CHARGE

Hydro One applies a monthly fixed service charge per delivery point where an ST customer uses Common ST lines or HVDS facilities. As discussed in section 2.2.2, Hydro One proposes to maintain the same fixed-to-variable revenue ratios by class for most non-residential rate classes. The same approach applies to ST rate class. As such, the fixed-to-variable split for ST class will remain unchanged over the 2018 to 2022 period to provide stability in customer rates and revenue mix.

The fixed service charges in 2018 and 2021 are based on results from the 2018 and 2021 CAMs and associated charge determinants.

Witness: Henry Andre

1
2 For rate years 2019, 2020 and 2022, the revenue requirement increases to the ST class are
3 determined using the methodology described in section 2.1 of this exhibit. The fixed
4 charge revenue requirement is then determined by applying the same fixed-to-variable
5 revenue split. The fixed service charges in 2019 is determined by dividing the 2019 ST
6 fixed charge revenue requirement by the 2019 charge determinant (i.e., number of
7 delivery points where an ST customer uses Common ST lines or HVDS facilities). The
8 same approach is used for determining the 2020 and 2022 fixed service charge.

9
10 **3.2.2 METER RATE FOR HYDRO ONE OWNED METER**

11
12 Many customers in the ST group provide their own metering facilities. To reflect this,
13 Hydro One has an additional fixed charge, per metering facility, applicable to customers
14 for whom Hydro One provides metering facilities. The 2018 and 2021 meter charges are
15 set to recover Hydro One's low voltage metering facility costs allocated to the ST rate
16 class in the 2018 and 2021 CAM. The annual increases in revenue requirement for the
17 ST class in 2019, 2020 and 2022 are applied to the meter charges in those years.

18
19 **3.2.3 COMMON ST LINE RATE**

20
21 The CAM and rate design process determine the total rates revenue requirement to be
22 collected from the ST rate class. The amount that is not recovered through the other ST
23 charges (i.e., fixed service, meter, HVDS-high, HVDS-low, LVDS-low and Specific ST
24 Line) are recovered through the Common ST Line charge. Common ST Line is a
25 volumetric charge. Details of the derivation of the Common ST Line rates are provided
26 in Exhibit H1, Tab 1, Schedule 3.

1 **3.2.4 HVDS-HIGH RATE**

2
3 Customers in the ST class can obtain transformation from above 50 kV to a voltage
4 between 44 kV and 13.8 kV either through the use of an HVDS-high, or a TS owned by
5 Hydro One Transmission. Customers that obtain supply through a TS are charged RTSR
6 – Transformation. Therefore, for consistency purposes, the HVDS-high rate is set
7 equivalent to the RTSR – Transformation rate adjusted for losses. HVDS-high is a
8 volumetric charge. This approach will apply for all years of the application.

9
10 **3.2.5 HVDS-LOW RATE**

11
12 HVDS-low stations transform power from above 50 kV to under 13.8 kV. Consistent
13 with the current rate structure, the HVDS-low rate is set to be the sum of the HVDS-high
14 rate and LVDS-low rate. This ensures that the rate for transformation from above 50 kV
15 to below 13.8 kV is equivalent for all delivery points, regardless of the type of upstream
16 transformation facilities used. HVDS-low is a volumetric charge. This approach will
17 apply for all years of the application.

18
19 **3.2.6 LVDS-LOW RATE**

20
21 LVDS-low stations transform power from above (or at) 13.8 kV to under 13.8 kV. The
22 rate is set to recover the LVDS-low portion of the costs attributable to distribution
23 stations that are allocated to the ST rate class. The ST LVDS-low portion of the
24 distribution stations costs is based on the gross book value of assets associated with
25 providing ST service from LVDS-low stations as a share of the total LVDS station assets.
26 LVDS-low is a volumetric charge. Output from the 2018 and 2021 CAMs are used to
27 derive 2018 and 2021 LVDS-low rates. The annual increases in revenue requirement for
28 the ST class in 2019, 2020 and 2022 are applied to the LVDS-low rates in those years.

Witness: Henry Andre

1 Details of the derivation of the LVDS-low rate are provided in Exhibit H1, Tab 1,
2 Schedule 3.

3 4 **3.2.7 SPECIFIC ST LINE RATE**

5
6 An ST line section between 44 kV and 13.8 kV is “specific” if it supplies solely one LDC
7 and is within that LDC’s territory. The Specific ST line rate is set to the average per
8 kilometer cost for all ST lines on Hydro One’s distribution system.

9
10 The annual increases in revenue requirement for the ST class from 2018 to 2022 are
11 reflected in the increases in Specific ST Line Rates for those years.

12
13 The Specific ST line rate is applied to the length of the specific line section (km) rather
14 than to demand (kW). Details of the derivation of the Specific ST Line rate are provided
15 in Exhibit H1, Tab 1, Schedule 3.

16 17 **3.2.8 UPDATING ST CHARGES OVER THE CUSTOM IR PERIOD**

18
19 As described in Section 8, Retail Transmission Service Rates (“RTSR”) will be updated
20 as a part of the annual draft rate orders prepared over the Custom IR period in the event
21 new Uniform Transmission Rates (“UTR”) are approved for the corresponding year.
22 Since the HVDS-high charge is set at the same value as the proposed RTSR-
23 Transformation rate, and the HVDS-low and Common ST line rates are in-turn impacted
24 by the HVDS-high charge, it is anticipated that these three ST rates will be updated as
25 part of the draft rate order associated with future years of the Custom IR period to remain
26 consistent with the latest approved UTR.

1 **4. REVENUE RECONCILIATION**

2
3 A reconciliation of the revenue at proposed rates and the revenue requirements by rate
4 class, as per Chapter 2, section 2.8.10 of the Board's Filing Requirements, are provided
5 in Exhibit H1, Tab 1, Schedule 4.

6
7 **5. TRANSFORMER OWNERSHIP ALLOWANCE**

8
9 There are circumstances under which Hydro One does not supply customers with
10 transformation equipment, but rather the customer provides its own equipment. This
11 occurs usually when the customer has unique consumption characteristics that require the
12 use of special equipment not usually provided by Hydro One. Since the rates developed
13 for most customer classes assume that Hydro One provides transformation to the
14 customer, customers in classes that provide their own transformation are entitled to
15 receive a credit equivalent to the costs of transformation included in their rates.

16
17 The transformation allowance has been set on a generic basis for LDCs throughout the
18 province. Hydro One is proposing to maintain its currently approved Transformer
19 Ownership Allowance at the previously established rate of \$0.60/kW. This is the same
20 rate that currently applies to demand customers of the Acquired Utilities. The Acquired
21 Utilities take the same approach to transformer cost allowance and therefore no change is
22 required in 2021 as a result of rate harmonization. Some customers that provide their
23 own transformation may be energy billed, therefore, in order to be able to provide these
24 customers with a Transformer Ownership Allowance, an equivalent 0.14 ¢/kWh rate
25 previously approved by the OEB will be maintained. The proposed Transformer
26 Ownership Allowance will also apply to single-phase customers that provide their own
27 transformation equipment.

Witness: Henry Andre

The projected cost of the Customer Supplied Transformer Allowance (“CSTA”) credit results in the rate adders shown in Table 12, which are included in the volumetric rates shown on the proposed rates calculated in Exhibit H1, Tab 1, Schedule 2 for the GSd, UGd, AUGd, AGSd, and DGen rate classes.

Table 12: CSTA Rate Adders

Year	CSTA Credit Amount to be Recovered (\$)	Rate Adder for CSTA (\$/kW)
2018	703,342	0.0637
2019	699,689	0.0640
2020	702,004	0.0643
2021	983,940	0.0824
2022	985,709	0.0827

6. HOPPER FOUNDRY RATE ADJUSTMENT

In accordance with the Board’s Decision in Hydro One’s cost-of-service application EB-2007-0681, Hydro One continues to levy the General Service Demand rates applicable to Hopper Foundry using monthly kW billing determinants determined on a time-of-use basis. As a result of using this approach, Hydro One will collect less revenue from Hopper Foundry in each year of the Custom IR period. The lost revenue amounts and associated adder to be included in the volumetric rates for the GSd class are provided in Table 13. The resulting volumetric rate is shown in the rates calculated in Exhibit H1, Tab 1, Schedule 2.

Table 13: Hopper Foundry Rate Adders

Year	Lost Revenue Amount (\$)	Hopper Foundry Rate Adder (\$/kW)
2018	62,291	0.0078
2019	64,476	0.0081
2020	66,409	0.0084
2021	69,351	0.0088
2022	70,038	0.0088

7. BILLING DETERMINANTS

Hydro One is not proposing any changes to the type of billing determinants currently approved for its existing Hydro One customer classes. Customers will continue to be billed a monthly fixed charge and a kWh or kW volumetric charge. For the Streetlight, Sentinel light and Unmetered Scattered Load classes, customers will continue to be charged a monthly per account service charge and a volumetric charge based on estimated kWh.

As discussed in Section 4.0 of Exhibit G1, Tab 2, Schedule 1, Hydro One proposes that acquired customers from the Acquired Utilities currently in the Street Lighting and Sentinel Lighting classes be merged into the equivalent Hydro One rate classes in 2021. While the current Board-approved distribution volumetric charges for customers in these classes from the Acquired Utilities are based on kW consumption, Hydro One proposes that customers from the Acquired Utilities adopt the Hydro One convention in 2021 when they are merged into the equivalent Hydro One rate classes. The existing kWh consumption from these acquired Street Lights and Sentinel Lights customers will be used as the billing determinants.

Witness: Henry Andre

8. RETAIL TRANSMISSION SERVICE RATES

8.1 INTRODUCTION

The proposed Retail Transmission Service Rates (“RTSR”) in this application will continue to reflect the existing Uniform Transmission Rates (“UTR”) effective January 1, 2016 approved by the Board as part of proceeding EB-2014-0140. It is expected that the Board will approve new UTRs on an annual basis. In the event a new UTR is approved at the time a Draft Rate Order for new Distribution rates in a specific year is prepared over the Custom CIR period, Hydro One will update the proposed RTSR to reflect the new UTR as a part of the Draft Rate Order process. Changes to the UTR will also affect some ST rates, as discussed in Section 3.2.8.

Aggregation at a TS or HVDS for purposes of billing RTSR charges was approved by the Board in proceedings EB-2013-0416 and other past distribution rate proceedings (EB-2004-0451, EB-2007-0681 and EB-2009-0096). For customers that are being aggregated for purposes of RTSR, the aggregated demand is determined by applying losses to the measured quantities of individual delivery points.

8.2 APPROVED TRANSMISSION RATES

The UTR approved in proceeding EB-2015-0311, effective January 1, 2016, comprise the following charges:

- A Transmission Network charge of \$3.66/kW to be applied to the demand at each transmission delivery point based on billed demand which is defined to be the larger of: a) 85% of non-coincident peak from 7 a.m. to 7 p.m. IESO business days; or b) the peak coincident with the transmission system peak.

Witness: Henry Andre

- Line and transformation connection charges of \$0.87/kW and \$2.02/kW, respectively, which are applied to the non-coincident peak at each transmission delivery point.

These rates apply to the load at the transmission delivery point which is defined to be on the high voltage side of the transmission station transformer. Since metering is typically on the low voltage side of a transmission station, appropriate loss factors have been applied to adjust the meter readings to the high voltage side of the transformer.

8.3 RTSR CALCULATION METHODOLOGY

Hydro One is billed by the IESO at each of its transmission delivery points for the transmission of power to its customers. Total transmission charges are the sum of all applicable Network, Line Connection and Transformation Connection charges at these delivery points. Delivery point charges are based on the contribution of customer class' load downstream of the delivery point. A large amount of power purchased by Hydro One is supplied to its ST customer class, which includes embedded LDCs. For these customers, metering data is available to accurately identify the ST share of the transmission charges incurred by Hydro One. Given the need to first split transmission charges between ST and non-ST customers, Hydro One does not use the Board's RTSR Workform approach for establishing its RTSR rates. Rather, Hydro One uses the methodology that has been reviewed and approved by the Board for Hydro One's distribution rate filings since 2008, which more accurately reflects the share of transmission charges incurred by each class. This methodology is described further below.

1 **8.3.1 2018 AND 2021 TRANSMISSION CHARGES FROM THE IESO**

2
3 To estimate the transmission charges from the IESO, Hydro One used the forecast 2018
4 and 2021 load at each of its transmission connections and applied the currently approved
5 Transmission rates as of January 1, 2016. This resulted in estimated Network,
6 Transformation Connection and Line Connections charges in 2018 and 2021, as shown in
7 Table 14.
8

9 **8.3.2 ALLOCATING TRANSMISSION CHARGES TO RATE CLASSES**

10
11 The estimated 2018 to 2022 transmission charges from the IESO need to be recovered
12 from all Hydro One's distribution customers. For the ST customer class, sufficient
13 connectivity data exists to allow Hydro One to allocate the appropriate share of
14 transmission charges based on the total ST customer's load coincident with the IESO's
15 monthly billing peak for their transmission delivery point. In 2018, this results in 42% of
16 the transmission charges being allocated to the ST class with the residual 58% being
17 recovered from the other existing Hydro One rate classes. Among the other rate classes,
18 hourly load shape data is used to allocate the costs to each individual class.
19

20 The above steps were repeated for the test year 2021, resulting in 41% of the transmission
21 charges being allocated to the ST class with the residual 59% being recovered from other
22 rate classes, including the six new acquired rate classes. Similar to the approach used for
23 2018, hourly load shape data is used to allocate the costs among the other classes.
24

25 For rate years 2019 and 2020, the transmission charges are allocated to all rate classes
26 using the 2018 percentages by rate classes. Similarly, the 2022 transmission charges are
27 allocated to all rate classes using the 2021 percentages by rate classes.

Witness: Henry Andre

1 Table 14 shows the estimated 2018 and 2021 IESO charges allocated to the customer
2 classes. Since the data in Table 14 will be impacted by changes to the UTR, Hydro One
3 proposes to provide an update to the table below as part of the Draft Rate Order process
4 for subsequent years of the Custom IR period.

1 **Table 14: Forecast 2018 and 2021 IESO Transmission Charges by Rate Class**

2018 IESO charges

	Tx Network	Tx Line	Tx Transformation	Total IESO Bill	Share
IESO Bill	\$230,991,618	\$48,353,442	\$129,110,655	\$408,455,715	
ST	\$100,375,647	\$17,963,029	\$52,778,276	\$171,116,952	42%
Retail	\$130,615,971	\$30,390,413	\$76,332,378	\$237,338,763	58%
UR	\$16,939,281	\$3,967,202	\$9,964,523	\$30,871,006	
R1	\$38,186,989	\$9,100,460	\$22,857,857	\$70,145,306	
R2	\$33,809,581	\$8,041,508	\$20,198,061	\$62,049,150	
Seasonal	\$3,945,798	\$957,693	\$2,405,463	\$7,308,954	
UGe	\$3,898,174	\$845,693	\$2,124,149	\$6,868,016	
UGd	\$6,318,987	\$1,374,863	\$3,453,279	\$11,147,130	
GSe	\$13,127,463	\$2,937,609	\$7,378,468	\$23,443,540	
GSd	\$13,417,665	\$2,918,296	\$7,329,959	\$23,665,920	
DGen	\$116,580	\$28,800	\$72,338	\$217,718	
USL	\$127,277	\$28,837	\$72,432	\$228,546	
St Lgt	\$622,651	\$161,901	\$406,650	\$1,191,202	
Sen Lgt	\$105,526	\$27,550	\$69,199	\$202,276	

2021 IESO charges

	Tx Network	Tx Line	Tx Transformation	Total IESO Bill	Share
IESO Bill	\$ 233,443,583	\$ 49,201,560	\$ 130,870,511	\$ 413,515,654	
ST	\$ 99,821,167	\$ 18,181,206	\$ 53,253,533	\$ 171,255,906	41%
Retail	\$ 133,622,417	\$ 31,020,354	\$ 77,616,978	\$ 242,259,748	59%
UR	\$ 16,972,852	\$ 3,936,099	\$ 9,848,633	\$ 30,757,583	
R1	\$ 38,629,615	\$ 8,943,456	\$ 22,377,695	\$ 69,950,766	
R2	\$ 33,233,497	\$ 7,676,456	\$ 19,207,496	\$ 60,117,449	
Seasonal	\$ 3,869,856	\$ 901,307	\$ 2,255,189	\$ 7,026,352	
UGe	\$ 3,649,253	\$ 841,217	\$ 2,104,835	\$ 6,595,305	
UGd	\$ 5,917,133	\$ 1,368,028	\$ 3,422,985	\$ 10,708,146	
GSe	\$ 12,179,384	\$ 2,846,465	\$ 7,122,226	\$ 22,148,075	
GSd	\$ 12,547,607	\$ 2,909,566	\$ 7,280,114	\$ 22,737,287	
DGen	\$ 130,766	\$ 32,365	\$ 80,981	\$ 244,111	
USL	\$ 85,989	\$ 23,310	\$ 58,325	\$ 167,625	
St Lgt	\$ 556,409	\$ 150,096	\$ 375,560	\$ 1,082,065	
Sen Lgt	\$ 133,378	\$ 30,729	\$ 76,889	\$ 240,996	
AR	\$ 2,166,991	\$ 527,217	\$ 1,319,167	\$ 4,013,374	
AGSe	\$ 582,151	\$ 137,560	\$ 344,193	\$ 1,063,904	
AGSd	\$ 1,226,618	\$ 286,154	\$ 715,994	\$ 2,228,766	
AUR	\$ 720,482	\$ 173,586	\$ 434,336	\$ 1,328,404	
AUGe	\$ 255,952	\$ 60,077	\$ 150,320	\$ 466,348	
AUGd	\$ 764,485	\$ 176,665	\$ 442,040	\$ 1,383,190	

2

Witness: Henry Andre

1 **8.4 PROPOSED 2018 TO 2022 RTSR**

2
3 The transmission charges allocated to each rate class shown in Table 14 are divided by
4 the corresponding loss-adjusted billing parameters for each class, resulting in the
5 proposed 2018 and 2021 RTSR rates shown in Table 15. Table 15 also shows the
6 currently approved RTSR for Hydro One and the Acquired Utilities.

7
8 Similar to Table 14, the data in Table 15 will also be impacted by changes to the UTR.
9 As such, Hydro One proposes to provide an update to the tables below as part of the Draft
10 Rate Order process for subsequent years of the Custom IR period.

11
12 Energy-billed customers will be charged RTSR applied to metered quantities uplifted for
13 losses. Demand-billed customers will be charged the rates shown, uplifted for losses.
14 For customers that installed load displacement generation after October 1998, the RTSR
15 connection charge is billed on gross demand consistent with section 11.3.2.5 of the
16 Distribution Rate Handbook.

Table 15: Proposed 2018 and 2021 RTSR

RATE CLASS	Approved 2017 Rates		Proposed 2018 Rates		Proposed 2021 Rates	
	Network	Line Connection	Network	Line Connection	Network	Line Connection
Urban Residential (\$/kWh)	0.0067	0.0047	0.0078	0.0064	0.0077	0.0063
Medium Density Residential (\$/kWh)	0.0064	0.0047	0.0072	0.0060	0.0072	0.0059
Low Density Residential (\$/kWh)	0.0062	0.0044	0.0067	0.0056	0.0068	0.0055
Seasonal (\$/kWh)	0.0051	0.0042	0.0057	0.0048	0.0058	0.0047
Urban General Service energy (\$/kWh)	0.0064	0.0040	0.0061	0.0047	0.0058	0.0047
Urban General Service demand (\$/kW)	2.0123	1.3239	2.1248	1.6235	2.0332	1.6462
General Service energy (\$/kWh)	0.0059	0.0038	0.0057	0.0045	0.0055	0.0045
General Service demand (\$/kW)	1.6048	1.0743	1.5757	1.2035	1.4993	1.2175
Distributed Generator (\$/kW)	0.5230	0.3349	0.5948	0.5160	0.6027	0.5224
Unmetered Scattered Load (\$/kWh)	0.0047	0.0031	0.0048	0.0038	0.0047	0.0038
Street Lights (\$/kWh)	0.0045	0.0027	0.0047	0.0043	0.0038	0.0036
Sentinel Lights (\$/kWh)	0.0045	0.0027	0.0047	0.0043	0.0038	0.0036
ST (\$/kW)	3.1942	0.7710 Line 1.7493 Transf.	3.3720	0.7322 Line 1.7844 Transf.	3.4204	0.7486 Line 1.8156 Transf.
Acquired Urban Residential (\$/kWh)	0.0072	0.0056			0.0073	0.0062
Acquired Urban General Service energy (\$/kWh)	0.0065	0.0053			0.0056	0.0046
Acquired Urban General Service demand (\$/kW)	2.6779	2.1539			1.7785	1.4393
Acquired Residential (\$/kWh)	0.0067	0.0024			0.0071	0.0060
Acquired General Service energy (\$/kWh)	0.0061	0.0040			0.0053	0.0044
Acquired General Service demand (\$/kW)	2.3798	1.5785			1.7498	1.4296

For customer classes that do not have separate proposed Line and Transformation charges, the Line Connection charges shown include Transformation charges.

Approved 2017 RTSRs for Acquired Urban rate classes are approved 2017 RTSRs for customers formerly served by Woodstock Hydro. Approved 2017 RTSRs for the other Acquired rate classes are represented as a weighted average of the approved 2017 RTSRs for the customers formerly served by Haldimand County Hydro and Norfolk Power.

Witness: Henry Andre

2018 Rate Design Including 3rd Year of Phase-in to All-Fixed Rates

Number of Customers		GWh	kWs	Revenue	Costs Allocated from Previous Study (2017)			Allocated Costs	Misc Rev	Revenue from Rates	2017 R/C Ratio	R/C Ratio from the CAM	Target 2018 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					(A)	(\$)	(%)																			(B)	(%)	(C)	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)	(K)	(L=H-C-K)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
UR		225,944	2,047	-	\$	96,412,357	\$	79,598,952	5.42%	\$	92,185,991	6.13%	\$	4,983,355	\$	91,429,002	1.10	1.05		1.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

** ST rates are listed in Exhibit H1, Tab 1, Schedule 3

Total Rev (K+L) \$ 1,452,123,598
Misc Rev (C) \$ 52,622,763
Total Rev Req \$ 1,504,746,361

Rate Class	2017 Current Fixed Charge	2018 All-Fixed Charge	Phase-in Period (Remaining Years)	Annual Increase in Fixed Charge	2018 Proposed Fixed Charge
UR	\$ 24.78	\$ 33.72	3	\$ 2.98	\$ 27.76
R1	\$ 33.77	\$ 58.10	6	\$ 4.06	\$ 37.83
R2	\$ 80.33	\$ 130.55	6	\$ 8.37	\$ 88.70
Seasonal	\$ 36.28	\$ 62.00	6	\$ 4.29	\$ 40.57

2019 Rate Design Including 4th Year of Phase-in to All-Fixed Rates

	Number of Customers	GWh	kWs	Revenue - with 2018 Rates and 2019 Charge Determinants		2018 Revenue	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2018 R/C Ratio	R/C Ratio	Target 2019 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
				(Y)		(Z)	(A=Y*X _{RevReq})	(B=B ₂₀₁₈ *X _{AllocCost})	(C=C ₂₀₁₈ *X _{MiscRev})	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)		(K)		(L=H-C-K)					
UR	228,666	2,047	-	\$ 97,362,112	\$ 96,412,357	\$ 100,615,573	\$ 95,119,288	\$ 5,026,643	\$ 95,588,930	1.05	1.06	1.06	100,615,573	-	0.0%	\$ 31.30	\$ 85,881,153	90%	\$ 9,707,777	\$ 0.0047					
R1	449,958	4,917	-	\$ 326,154,186	\$ 324,413,878	\$ 337,052,983	\$ 311,887,161	\$ 13,495,650	\$ 323,557,333	1.07	1.08	1.08	337,052,983	-	0.0%	\$ 42.25	\$ 228,121,873	71%	\$ 95,435,460	\$ 0.0194					
R2	330,076	4,478	-	\$ 530,640,289	\$ 530,937,907	\$ 548,372,212	\$ 576,726,382	\$ 16,610,648	\$ 531,761,564	0.95	0.95	0.95	548,372,212	-	0.0%	\$ 97.81	\$ 387,418,953	73%	\$ 144,342,611	\$ 0.0322					
Seasonal	149,813	620	-	\$ 113,835,562	\$ 114,381,769	\$ 117,639,501	\$ 108,296,394	\$ 3,189,855	\$ 114,449,646	1.09	1.09	1.08	117,221,930	(417,571)	-0.4%	\$ 45.14	\$ 81,154,550	71%	\$ 32,877,525	\$ 0.0530					
GSe	88,423	2,064	-	\$ 158,604,594	\$ 160,939,540	\$ 163,904,539	\$ 163,963,278	\$ 5,039,793	\$ 158,864,746	1.01	1.00	1.00	163,904,539	-	0.0%	\$ 30.26	\$ 32,108,483	20%	\$ 126,756,264	\$ 0.0614					
GSd	5,457	2,317	7,940,259	\$ 142,594,662	\$ 143,944,127	\$ 147,359,617	\$ 153,806,976	\$ 2,733,521	\$ 144,626,097	0.97	0.96	0.96	147,359,617	-	0.0%	\$ 104.42	\$ 6,837,486	5%	\$ 137,788,610		\$ 17.3532	\$ 0.0640	\$ 0.0081	\$ 17.4253	
UGe	18,166	592	-	\$ 22,652,082	\$ 22,789,363	\$ 23,409,026	\$ 23,123,420	\$ 867,396	\$ 22,541,631	1.02	1.01	1.01	23,409,026	-	0.0%	\$ 24.52	\$ 5,344,830	24%	\$ 17,196,801	\$ 0.0290					
UGd	1,753	1,048	2,797,926	\$ 29,597,050	\$ 29,911,671	\$ 30,586,067	\$ 32,551,791	\$ 616,464	\$ 29,969,604	0.95	0.94	0.94	30,586,067	-	0.0%	\$ 102.94	\$ 2,165,144	7%	\$ 27,804,459		\$ 9.9375	\$ 0.0640		\$ 10.0015	
St Lgt	5,364	122	-	\$ 12,600,360	\$ 12,540,668	\$ 13,021,415	\$ 13,890,935	\$ 394,005	\$ 12,627,410	0.93	0.94	0.94	13,021,415	-	0.0%	\$ 4.21	\$ 271,166	2%	\$ 12,356,244	\$ 0.1013					
Sen Lgt	23,822	20	-	\$ 6,848,929	\$ 6,843,174	\$ 7,077,794	\$ 6,479,101	\$ 3,574,442	\$ 3,503,351	1.09	1.09	1.08	7,013,093	(64,700)	-1.8%	\$ 3.26	\$ 931,149	27%	\$ 2,507,502	\$ 0.1239					
USL	5,633	25	-	\$ 3,204,764	\$ 3,184,708	\$ 3,311,855	\$ 3,015,274	\$ 127,409	\$ 3,184,446	1.09	1.10	1.08	3,263,786	(48,068)	-1.5%	\$ 35.76	\$ 2,417,458	77%	\$ 718,919	\$ 0.0293					
DGen	1,272	19	191,107	\$ 4,354,005	\$ 4,029,099	\$ 4,499,499	\$ 6,673,532	\$ 172,505	\$ 4,326,994	0.62	0.67	0.75	5,029,838	530,339	12.3%	\$ 198.03	\$ 3,023,548	62%	\$ 1,833,786		\$ 9.5956	\$ 0.0640		\$ 9.6596	
ST	811	15,368	29,637,492	\$ 53,972,765	\$ 54,418,099	\$ 55,776,324	\$ 57,092,874	\$ 1,231,544	\$ 54,544,780	0.98	0.98	0.98	55,776,324	-	0.0%	N/A **	\$ 10,205,451	19%	\$ 44,339,330		N/A **			N/A **	
	1,309,216	33,637	40,566,784	\$ 1,502,421,360	\$ 1,504,746,361	\$ 1,552,626,406	\$ 1,552,626,406	\$ 53,079,875	\$ 1,499,546,531				\$ 1,552,626,406	\$ 0			\$ 845,881,243		\$ 653,665,287						

** ST rates are listed in Exhibit H1, Tab 1, Schedule 3

Total Rev \$ 1,499,546,531
Misc Rev \$ 53,079,875
Total Rev Req \$ 1,552,626,406

2019 Adjustments (from 2018 Revenue Requirement) by Rate Class

	2018	2019	% (X)
Revenue Requirement**	\$ 1,502,421,360	\$ 1,552,626,406	103.34%
Alloc Cost	\$ 1,504,746,361	\$ 1,552,626,406	103.18%
Misc Revenue	\$ 52,622,763	\$ 53,079,875	100.87%

** 2018: Revenue with 2018 rates and 2019 charge determinants:
2019: 2019 Revenue before rate design adjustments

Rate Class	2018 Current Fixed Charge	2019 All-Fixed Charge	Phase-in Period (Remaining Years)	Annual Increase in Fixed Charge	2019 Proposed Fixed Charge
UR	\$ 27.76	\$ 34.84	2	\$ 3.54	\$ 31.30
R1	\$ 37.83	\$ 59.92	5	\$ 4.42	\$ 42.25
R2	\$ 88.70	\$ 134.25	5	\$ 9.11	\$ 97.81
Seasonal	\$ 40.57	\$ 63.43	5	\$ 4.57	\$ 45.14

2020 Rate Design Including 5th Year of Phase-in to All-Fixed Rates

	Number of Customers	GWh	kWs	Revenue - with 2019 Rates and 2020 Charge Determinants	2019 Revenue	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2019 R/C Ratio	R/C Ratio	Target 2020 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)						
																									(Y)	(Z)	(A=Y*X _{RevReq})	(B=B ₂₀₁₈ *X _{AllocCost})	(C=C ₂₀₁₈ *X _{MiscRev})	(D=A-C)
UR	231,390	2,064	-	\$ 101,751,736	\$ 100,615,573	\$ 104,687,129	\$ 98,107,999	\$ 5,052,704	\$ 99,634,425	1.058	1.067		\$ 104,687,129	-	0%	\$ 35.88	\$ 99,634,425	100%	\$ -											
R1	453,821	4,953	-	\$ 339,786,860	\$ 337,052,983	\$ 349,589,229	\$ 321,686,862	\$ 13,565,619	\$ 336,023,610	1.081	1.087		\$ 349,589,229	-	0%	\$ 47.11	\$ 256,571,470	76%	\$ 79,452,140	\$ 0.0160										
R2	331,741	4,457	-	\$ 549,722,196	\$ 548,372,212	\$ 565,580,901	\$ 594,847,506	\$ 16,696,767	\$ 548,884,134	0.951	0.951		\$ 565,580,901	-	0%	\$ 107.83	\$ 429,249,184	78%	\$ 119,634,951	\$ 0.0268										
Seasonal	150,145	613	-	\$ 117,059,657	\$ 117,221,930	\$ 120,436,661	\$ 111,699,138	\$ 3,206,393	\$ 117,230,269	1.082	1.078		\$ 120,436,661	-	0%	\$ 50.12	\$ 90,305,331	77%	\$ 26,924,937	\$ 0.0439										
GSe	88,405	2,043	-	\$ 162,591,237	\$ 163,904,539	\$ 167,281,763	\$ 169,115,113	\$ 5,065,922	\$ 162,215,841	1.000	0.989		\$ 167,281,763	-	0%	\$ 30.91	\$ 32,785,779	20%	\$ 129,430,062	\$ 0.0634										
GSd	5,511	2,312	7,924,744	\$ 147,173,080	\$ 147,359,617	\$ 151,418,814	\$ 158,639,692	\$ 2,747,693	\$ 148,671,122	0.958	0.954		\$ 151,418,814	-	0%	\$ 106.28	\$ 7,028,723	5%	\$ 141,642,399		\$ 17.8734	\$ 0.0643	\$ 0.0084	\$ 17.9461						
UGe	18,268	591	-	\$ 23,413,102	\$ 23,409,026	\$ 24,088,537	\$ 23,849,973	\$ 871,893	\$ 23,216,644	1.012	1.010		\$ 24,088,537	-	0%	\$ 25.11	\$ 5,504,882	24%	\$ 17,711,763	\$ 0.0300										
UGd	1,762	1,047	2,787,731	\$ 30,499,427	\$ 30,586,067	\$ 31,379,292	\$ 33,574,589	\$ 619,660	\$ 30,759,632	0.940	0.935		\$ 31,379,292	-	0%	\$ 105.10	\$ 2,222,220	7%	\$ 28,537,413		\$ 10.2368	\$ 0.0643		\$ 10.3011						
St Lgt	5,401	123	-	\$ 13,101,031	\$ 13,021,415	\$ 13,478,977	\$ 14,327,397	\$ 396,048	\$ 13,082,929	0.937	0.941		\$ 13,478,977	-	0%	\$ 4.33	\$ 280,948	2%	\$ 12,801,981	\$ 0.1044										
Sen Lgt	23,645	20	-	\$ 7,010,880	\$ 7,013,093	\$ 7,213,134	\$ 6,682,678	\$ 3,592,974	\$ 3,620,160	1.082	1.079		\$ 7,213,134	-	0%	\$ 3.45	\$ 980,299	27%	\$ 2,639,860	\$ 0.1312										
USL	5,667	25	-	\$ 3,287,361	\$ 3,263,786	\$ 3,382,196	\$ 3,110,016	\$ 128,069	\$ 3,254,127	1.082	1.088		\$ 3,382,196	-	0%	\$ 36.88	\$ 2,508,217	77%	\$ 745,910	\$ 0.0300										
DGen	1,396	20	198,809	\$ 5,399,008	\$ 5,029,838	\$ 5,554,762	\$ 6,883,219	\$ 173,399	\$ 5,381,363	0.754	0.807		\$ 5,554,762	-	0%	\$ 198.03	\$ 3,317,923	62%	\$ 2,063,440		\$ 10.3790	\$ 0.0643		\$ 10.4433						
ST	814	15,362	29,567,094	\$ 55,712,335	\$ 55,776,324	\$ 57,319,557	\$ 58,886,770	\$ 1,237,929	\$ 56,081,629	0.977	0.973		\$ 57,319,557	-	0%	N/A **	\$ 10,492,999	19%	\$ 45,588,630		N/A **			N/A **						
1,317,967		33,631	40,478,379	\$ 1,556,507,909	\$ 1,552,626,406	\$ 1,601,410,953	\$ 1,601,410,953	\$ 53,355,069	\$ 1,548,055,884														\$ 940,882,400	\$ 607,173,484						

** ST rates are listed in Exhibit H1, Tab 1, Schedule 3

Total Rev \$ 1,548,055,884
Misc Rev \$ 53,355,069
Total Rev Req \$ 1,601,410,953

2020 Adjustments (from 2019 Revenue Requirement) by Rate Class			
	2019	2020	%
Revenue Requirement**	\$ 1,556,507,909	\$ 1,601,410,953	102.88%
Alloc Cost	\$ 1,552,626,406	\$ 1,601,410,953	103.14%
Misc Revenue	\$ 53,079,875	\$ 53,355,069	100.52%

** 2019: Revenue with 2019 rates and 2020 charge determinants
2020: 2020 Revenue before rate design adjustments

Rate Class	2019 Current Fixed Charge	2020 All-Fixed Charge	Phase-in Period (Remaining Years)	Annual Increase in Fixed Charge	2020 Proposed Fixed Charge
UR	\$ 31.30	\$ 35.88	1	\$ 4.58	\$ 35.88
R1	\$ 42.25	\$ 61.70	4	\$ 4.86	\$ 47.11
R2	\$ 97.81	\$ 137.88	4	\$ 10.02	\$ 107.83
Seasonal	\$ 45.14	\$ 65.07	4	\$ 4.98	\$ 50.12

2021 Rate Design Including 6th Year of Phase-in to All-Fixed Rates

4 of 5

		Number of Customers	GWh	kWs		Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2020 R/C Ratio	R/C Ratio from the CAM	Target 2021 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)		
						(A)	(B)	(%)	(C)	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)		(K)		(L=H-C-K)						
UR		234,088	2,075	-		\$ 108,461,168	\$ 98,547,960	5.87%	\$ 5,037,117	\$ 103,424,050	1.07	1.101		1.098	\$ 108,197,006	(264,161)	-0.3%	\$ 36.72	\$ 103,159,889	100%	\$ (0)					
R1		457,608	4,971	-		\$ 360,664,378	\$ 326,722,562	19.46%	\$ 13,587,256	\$ 347,077,122	1.09	1.104		1.098	\$ 358,712,684	(1,951,694)	-0.6%	\$ 52.36	\$ 287,505,157	83%	\$ 57,620,271	\$ 0.0116				
R2		333,473	4,426	-		\$ 581,235,238	\$ 599,931,696	35.74%	\$ 16,735,322	\$ 564,499,916	0.95	0.969		0.969	\$ 581,235,238	-	0.0%	\$ 118.91	\$ 475,833,622	84%	\$ 88,666,293	\$ 0.0200				
Seasonal		150,445	605	-		\$ 123,311,928	\$ 111,354,149	6.63%	\$ 3,186,262	\$ 120,125,666	1.08	1.107		1.098	\$ 122,257,078	(1,054,850)	-0.9%	\$ 55.40	\$ 100,012,834	84%	\$ 19,057,982	\$ 0.0315				
GSe		88,435	2,018	-		\$ 169,918,233	\$ 170,165,401	10.14%	\$ 5,004,060	\$ 164,914,173	0.99	0.999		0.999	\$ 169,918,233	-	0.0%	\$ 31.41	\$ 33,331,145	20%	\$ 131,583,028	\$ 0.0652				
GSd		5,563	2,302	7,887,971		\$ 154,759,332	\$ 167,045,922	9.95%	\$ 2,808,317	\$ 151,951,015	0.95	0.926		0.926	\$ 154,759,332	-	0.0%	\$ 107.62	\$ 7,183,786	5%	\$ 144,767,229		\$ 18.3529	\$ 0.0824	\$ 0.0088	\$ 18.4441
UGe		18,380	589	-		\$ 24,683,719	\$ 24,498,787	1.46%	\$ 868,745	\$ 23,814,974	1.01	1.008		1.008	\$ 24,683,719	-	0.0%	\$ 25.60	\$ 5,646,751	24%	\$ 18,168,223	\$ 0.0308				
UGd		1,772	1,044	2,771,740		\$ 32,041,885	\$ 35,423,286	2.11%	\$ 632,712	\$ 31,409,174	0.93	0.905		0.905	\$ 32,041,885	-	0.0%	\$ 106.70	\$ 2,269,146	7%	\$ 29,140,028	\$ -	\$ 10.5133	\$ 0.0824		\$ 10.5957
St Lgt		5,445	133	-		\$ 14,941,715	\$ 15,691,998	0.93%	\$ 421,651	\$ 14,520,064	0.94	0.952		0.952	\$ 14,941,715	-	0.0%	\$ 4.77	\$ 311,809	2%	\$ 14,208,254	\$ 0.1070				
Sen Lgt		23,719	21	-		\$ 6,701,274	\$ 6,650,665	0.40%	\$ 2,920,400	\$ 3,780,874	1.08	1.008		1.008	\$ 6,701,274	-	0.0%	\$ 3.60	\$ 1,023,819	27%	\$ 2,757,055	\$ 0.1338				
USL		5,944	26	-		\$ 3,635,275	\$ 3,279,004	0.20%	\$ 129,353	\$ 3,505,922	1.09	1.109		1.098	\$ 3,600,058	(35,217)	-1.0%	\$ 37.50	\$ 2,675,152	77%	\$ 795,554	\$ 0.0304				
DGen		1,508	20	204,487		\$ 6,046,176	\$ 7,410,873	0.44%	\$ 191,854	\$ 5,854,322	0.81	0.816		0.816	\$ 6,046,176	-	0.0%	\$ 198.03	\$ 3,582,790	61%	\$ 2,271,532		\$ 11.1084	\$ 0.0824		\$ 11.1908
ST		825	15,132	29,457,615		\$ 58,667,225	\$ 65,690,134	3.91%	\$ 1,286,668	\$ 57,380,557	0.97	0.893		0.893	\$ 58,667,225	-	0.0%	N/A **	\$ 10,736,031	19%	\$ 46,644,526		N/A **			N/A **
AUR		15,312	93	-		\$ 5,920,185	\$ 6,727,178	0.40%	\$ 267,552	\$ 5,652,634	-	0.880		0.880	\$ 5,920,185	-	0.0%	\$ 30.76	\$ 5,652,634	100%	\$ -					
AUGe		1,339	43	-		\$ 1,105,887	\$ 1,850,284	0.11%	\$ 46,673	\$ 1,059,214	-	0.598		0.695	\$ 1,285,947	180,060	17.0%	\$ 30.24	\$ 485,765	39%	\$ 753,509	\$ 0.0174				
AUGd		194	142	410,749		\$ 1,477,495	\$ 3,466,977	0.21%	\$ 57,369	\$ 1,420,126	-	0.615		0.615	\$ 2,132,191	654,696	46.1%	\$ 209.83	\$ 487,476	23%	\$ 1,587,346		\$ 3.8645	\$ 0.0824		\$ 3.9469
AR		37,769	287	-		\$ 17,572,957	\$ 22,245,109	1.33%	\$ 744,839	\$ 16,828,118	-	0.790		0.850	\$ 18,908,343	1,335,385	7.9%	\$ 40.08	\$ 18,163,504	100%	\$ -					
AGSe		4,339	104	-		\$ 3,996,165	\$ 5,369,086	0.32%	\$ 150,945	\$ 3,845,221	-	0.744		0.785	\$ 4,214,733	218,567	5.7%	\$ 40.82	\$ 2,125,567	52%	\$ 1,938,220	\$ 0.0187				
AGSd		365	236	663,644		\$ 3,511,732	\$ 6,580,899	0.39%	\$ 104,630	\$ 3,407,102	-	0.534		0.673	\$ 4,428,945	917,213	26.9%	\$ 208.51	\$ 912,822	21%	\$ 3,411,493		\$ 5.1405	\$ 0.0824		\$ 5.2229

1,386,522 34,267 41,396,206 1,678,651,970 1,678,651,970 100% 54,181,725 1,624,470,245 \$ 1,678,651,970 0 \$ 1,061,099,701 \$ 563,370,544

** ST rates are listed in Exhibit H1, Tab 1, Schedule 3

Total Rev \$ 1,624,470,245
Misc Rev \$ 54,181,725
Total Rev Req \$ 1,678,651,970

Rate Class	2020 Current Fixed Charge	2021 All-Fixed Charge	Phase-in Period (Remaining Years)	Annual Increase in Fixed Charge	2021 Proposed Fixed Charge
R1	\$ 47.11	\$ 62.85	3	\$ 5.25	\$ 52.36
R2	\$ 107.83	\$ 141.07	3	\$ 11.08	\$ 118.91
Seasonal	\$ 50.12	\$ 65.95	3	\$ 5.28	\$ 55.40

2022 Rate Design Including 7th Year of Phase-in to All-Fixed Rates

	Number of Customers	GWh	kWs	Revenue - with 2021 Rates and 2022 Charge Determinants	2021 Revenue	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2021 R/C Ratio	R/C Ratio	Target 2022 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
				(Y)	(Z)	(A=Y*X _{RevReq})	(B=B ₂₀₁₈ *X _{AllocCost})	(C=C ₂₀₁₈ *X _{MiscRev})	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)		(K)		(L=H-C-K)					
UR		236,737	2,090	-	\$ 109,380,871.57	\$ 108,197,006.49	\$ 112,233,115	\$ 101,448,007	\$ 5,065,294	\$ 107,167,821	1.098	1.106	\$ 111,517,770	\$ (715,345)	-0.7%	\$ 37.47	\$ 106,452,476	100%	\$ -					
R1		461,272	4,998	-	\$ 361,417,085.51	\$ 358,712,683.86	\$ 370,841,490	\$ 336,337,281	\$ 13,663,260	\$ 357,178,229	1.098	1.103	\$ 369,722,232	\$ (1,119,258)	-0.3%	\$ 58.34	\$ 322,942,709	91%	\$ 33,116,262	\$ 0.0066				
R2		335,223	4,408	-	\$ 583,479,266.49	\$ 581,235,237.61	\$ 598,694,221	\$ 617,586,353	\$ 16,828,936	\$ 581,865,285	0.969	0.969	\$ 598,694,221	\$ -	0.0%	\$ 131.78	\$ 530,100,494	91%	\$ 51,764,790	\$ 0.0117				
Seasonal		150,701	600	-	\$ 122,277,747.93	\$ 122,257,078.00	\$ 125,466,294	\$ 114,631,055	\$ 3,204,085	\$ 122,262,209	1.098	1.095	\$ 125,466,294	\$ -	0.0%	\$ 61.50	\$ 111,223,987	91%	\$ 11,038,222	\$ 0.0184				
GSe		88,515	1,999	-	\$ 168,802,460.30	\$ 169,918,233.41	\$ 173,204,196	\$ 175,172,991	\$ 5,032,052	\$ 168,172,144	0.999	0.989	\$ 173,204,196	\$ -	0.0%	\$ 32.00	\$ 33,989,620	20%	\$ 134,182,524	\$ 0.0671				
GSd		5,612	2,297	7,871,666	\$ 154,539,478.21	\$ 154,759,332.45	\$ 158,569,289	\$ 171,961,712	\$ 2,824,026	\$ 155,745,263	0.926	0.922	\$ 158,569,289	\$ -	0.0%	\$ 109.34	\$ 7,363,167	5%	\$ 148,382,096		\$ 18.8502	\$ 0.0827	\$ 0.0088	\$ 18.9417
UGe		18,501	589		\$ 24,712,009.75	\$ 24,683,719.17	\$ 25,356,406	\$ 25,219,732	\$ 873,605	\$ 24,482,802	1.008	1.005	\$ 25,356,406	\$ -	0.0%	\$ 26.15	\$ 5,805,099	24%	\$ 18,677,702	\$ 0.0317				
UGd		1,783	1,044	2,764,065	\$ 31,978,892.10	\$ 32,041,885.37	\$ 32,812,782	\$ 36,465,715	\$ 636,251	\$ 32,176,531	0.905	0.900	\$ 32,812,782	\$ -	0.0%	\$ 108.63	\$ 2,324,583	7%	\$ 29,851,948		\$ 10.8000	\$ 0.0827		\$ 10.8827
St Lgt		5,481	133	-	\$ 15,010,442.02	\$ 14,941,715.21	\$ 15,401,858	\$ 16,153,778	\$ 424,010	\$ 14,977,848	0.952	0.953	\$ 15,401,858	\$ -	0.0%	\$ 4.89	\$ 321,640	2%	\$ 14,656,208	\$ 0.1098				
Sen Lgt		23,605	20	-	\$ 6,699,587.01	\$ 6,701,274.22	\$ 6,874,287	\$ 6,846,379	\$ 2,936,736	\$ 3,937,551	1.008	1.004	\$ 6,874,287	\$ -	0.0%	\$ 3.76	\$ 1,066,245	27%	\$ 2,871,306	\$ 0.1401				
USL		5,975	26	-	\$ 3,620,612.76	\$ 3,600,058.36	\$ 3,715,025	\$ 3,375,498	\$ 130,076	\$ 3,584,949	1.098	1.101	\$ 3,710,551	\$ (4,474)	-0.1%	\$ 38.49	\$ 2,759,760	77%	\$ 820,715	\$ 0.0311				
DGen		1,608	21	210,569	\$ 6,354,301.32	\$ 6,046,176.21	\$ 6,519,998	\$ 7,628,959	\$ 192,927	\$ 6,327,070	0.816	0.855	\$ 6,519,998	\$ -	0.0%	\$ 198.03	\$ 3,822,278	60%	\$ 2,504,792		\$ 11.8953	\$ 0.0827		\$ 11.9780
ST		828	15,149	29,499,182	\$ 58,783,473.26	\$ 58,667,225.49	\$ 60,316,326	\$ 67,623,249	\$ 1,293,865	\$ 59,022,461	0.893	0.892	\$ 60,316,326	\$ -	0.0%	N/A **	\$ 11,043,235	19%	\$ 47,979,226		N/A **			N/A **
AUR		15,467	92	-	\$ 5,978,131.26	\$ 5,920,185.43	\$ 6,134,019	\$ 6,925,144	\$ 269,048	\$ 5,864,970	0.880	0.886	\$ 6,134,019	\$ -	0.0%	\$ 31.60	\$ 5,864,970	100%	\$ -					
AUGe		1,352	44	-	\$ 1,298,097.05	\$ 1,285,947.36	\$ 1,331,947	\$ 1,904,734	\$ 46,934	\$ 1,285,013	0.695	0.800	\$ 1,523,787	\$ 191,840	14.9%	\$ 35.68	\$ 578,890	39%	\$ 897,963	\$ 0.0206				
AUGd		194	143	411,710	\$ 2,136,478.15	\$ 2,132,191.15	\$ 2,192,189	\$ 3,569,003	\$ 57,690	\$ 2,134,499	0.615	0.800	\$ 2,855,202	\$ 663,013	31.1%	\$ 282.77	\$ 657,271	23%	\$ 2,140,241		\$ 5.1984	\$ 0.0827		\$ 5.2811
AR		38,018	284	-	\$ 19,034,096.37	\$ 18,908,342.67	\$ 19,530,434	\$ 22,899,733	\$ 749,006	\$ 18,781,429	0.850	0.853	\$ 19,530,434	\$ -	0.0%	\$ 41.17	\$ 18,781,429	100%	\$ (0)					
AGSe		4,337	102	-	\$ 4,191,569.95	\$ 4,214,732.64	\$ 4,300,870	\$ 5,527,086	\$ 151,789	\$ 4,149,081	0.785	0.778	\$ 4,421,669	\$ 120,799	2.9%	\$ 42.92	\$ 2,233,364	52%	\$ 2,036,516	\$ 0.0199				
AGSd		371	236	662,981	\$ 4,440,433.28	\$ 4,428,944.89	\$ 4,556,223	\$ 6,774,560	\$ 105,215	\$ 4,451,008	0.673	0.800	\$ 5,419,648	\$ 863,425	19.4%	\$ 252.30	\$ 1,121,826	21%	\$ 4,192,607		\$ 6.3239	\$ 0.0827		\$ 6.4066

1,395,57834,27641,420,1731,684,135,0341,678,651,9701,728,050,9691,728,050,96954,484,8071,673,566,162\$ 1,728,050,9690\$ 1,168,453,045\$ 505,113,117

** ST rates are listed in Exhibit H1, Tab 1, Schedule 3

2022 Adjustments (from 2021 Revenue Requirement) by Rate Class

	2021	2022	%
Revenue Requirement**	\$ 1,684,135,034	\$ 1,728,050,969	102.61%
Alloc Cost	\$ 1,678,651,970	\$ 1,728,050,969	102.94%
Misc Revenue	\$ 54,181,725	\$ 54,484,807	100.56%

** 2021: Revenue with 2021 rates and 2022 charge determinants
2022: 2022 Revenue before rate design adjustments

Total Rev \$ 1,673,566,162
Misc Rev \$ 54,484,807
Total Rev Req \$ 1,728,050,969

Rate Class	2021 Current Fixed Charge	2022 All-Fixed Charge	Phase-in Period (Remaining Years)	Annual Increase in Fixed Charge	2022 Proposed Fixed Charge
R1	\$ 52.36	\$ 64.33	2	\$ 5.98	\$ 58.34
R2	\$ 118.91	\$ 144.65	2	\$ 12.87	\$ 131.78
Seasonal	\$ 55.40	\$ 67.61	2	\$ 6.10	\$ 61.50

Derivation of ST Common Line Charge

	2018				2019				2020				2021				2022			
<u>Minus</u>	Billing Quantity (Annual)	Rates		Revenue Generated (Annual)	Billing Quantity (Annual)	Rates		Revenue Generated (Annual)	Billing Quantity (Annual)	Rates		Revenue Generated (Annual)	Billing Quantity (Annual)	Rates		Revenue Generated (Annual)	Billing Quantity (Annual)	Rates		Revenue Generated (Annual)
HVDS-high cost allocation	999,806	1.8451	\$/kW	\$ 1,844,741	986,170.71	1.8451	\$/kW	\$ 1,819,584	982,699.90	1.8451	\$/kW	\$ 1,813,180	988,107.03	1.8773	\$/kW	\$ 1,854,973	990,871	1.8773	\$/kW	\$ 1,860,162
HVDS-low cost allocation	42,250	3.3687	\$/kW	\$ 142,327	41,424.11	3.3823	\$/kW	\$ 140,109	41,384.10	3.3827	\$/kW	\$ 139,990	41,199.65	3.6791	\$/kW	\$ 151,578	41,000	3.6780	\$/kW	\$ 150,796
LVDS-low cost allocation	848,214	1.5236	\$/kW	\$ 1,292,339	840,706.28	1.5372	\$/kW	\$ 1,292,334	840,484.07	1.5376	\$/kW	\$ 1,292,328	776,996.41	1.8018	\$/kW	\$ 1,399,992	777,489	1.8007	\$/kW	\$ 1,400,025
Specific ST lines	830	643.6199	\$/kM	\$ 534,238	830	643.6199	\$/kM	\$ 534,238	830	643.6199	\$/kM	\$ 534,238	830	719.0339	\$/kM	\$ 596,836	830	719.0339	\$/kM	\$ 596,836
<u>Plus:</u>																				
Service Charge (per Delivery Point)	9,699	533.12	\$	\$ 5,170,710	9,733	544.70	\$	\$ 5,301,715	9,767	558.13	\$	\$ 5,451,042	9,896	563.60	\$	\$ 5,577,305	9,936	577.40	\$	\$ 5,736,884
Meter Charge (for Hydro One ownership per Meter Point)	7,128	670.96	\$	\$ 4,782,603	7,191	681.93	\$	\$ 4,903,760	7,216	698.75	\$	\$ 5,041,925	7,311	705.60	\$	\$ 5,158,725	7,341	722.88	\$	\$ 5,306,350
Total revenue generated through other delivery charges:	\$ 13,766,958				\$ 13,991,740				\$ 14,272,703				\$ 14,739,409				\$ 15,051,053			
Revenue to be collected by ST (adjusted for change in revenue from Rates Design balancing Rev/Cost Ratio, if applicable)	\$ 53,197,161				\$ 54,544,780				\$ 56,081,629				\$ 57,380,557				\$ 59,022,461			
ST Common Line Revenue Requirement (Annual \$)	\$ 39,430,203				\$ 40,553,041				\$ 41,808,926				\$ 42,641,149				\$ 43,971,408			
ST Common Line Charge Determinant (Annual kM)	29,977,946				29,637,492				29,567,094				29,457,615				29,499,182			
ST Common Line Charge (Monthly \$/kW)	\$ 1.3153				\$ 1.3683				\$ 1.4140				\$ 1.4475				\$ 1.4906			

Derivation of Facility Charge for connection to Low Voltage Distribution Station (LVDS Low)

Proportion of Total Forecast Costs associated with ST share of LVDS-low stations

USoA	Account
5005	Operation Supervision and Engineering
5012	Station Buildings and Fixtures Expense [exclude - no "bldgs" at LVDSs]
5016	Distribution Station Equipment - Operation Labour
5017	Distribution Station Equipment - Operation Supplies and Expenses
5105	Maintenance Supervision and Engineering
5110	Maintenance of Buildings and Fixtures - Distribution Stations
5114	Maintenance of Distribution Station Equipment
5405 to 5680	25 General Admin. Acc'ts (12 non-zero)
	Other ("NIDIT") "expenses"
3046	Net Inc (Balance Transferred From Income)
5705	Amortization Expense - Property, Plant, and Equipment
6005	Interest on Long Term Debt
6105	Taxes Other Than Income Taxes
6110	Income Taxes

**Note: USofA 5016, 5017 & 5114 are wholly recovered by the LVDS Low tariff

Total LVDS Low Revenue Requirement (Annual \$)
Total LVDS Low Charge Determinant (Annual kW)
LVDS Low Rate (Monthly, \$/kW)

2018		2019	2020	2021		2022
1.43%				1.38%		
Allocation to ST rate class (2018 CAM O4 Sheet)	Proportion of allocation to ST rate class associated with LVDS-low			Allocation to ST rate class (2021 CAM O4 Sheet)	Proportion of allocation to ST rate class associated with LVDS-low	
\$ 108,352	\$ 1,549			\$ 115,857	\$ 1,597	
\$ -	\$ -			\$ -	\$ -	
\$ 164,008	\$ 164,008			\$ 162,058	\$ 162,058	
\$ 54,042	\$ 54,042			\$ 53,403	\$ 53,403	
\$ 384,784	\$ 5,500			\$ 404,969	\$ 5,582	
\$ 126,693	\$ 126,693			\$ 132,460	\$ 132,460	
\$ 405,572	\$ 405,572			\$ 396,088	\$ 396,088	
\$ 5,185,160	\$ 74,119			\$ 5,208,060	\$ 71,788	
\$ 10,275,573	\$ 146,883			\$ 13,781,389	\$ 189,964	
\$ 12,281,119	\$ 175,551			\$ 15,084,185	\$ 207,922	
\$ 7,281,886	\$ 104,090			\$ 9,766,702	\$ 134,625	
\$ 187,557	\$ 2,681			\$ 245,377	\$ 3,382	
\$ 2,212,208	\$ 31,622			\$ 2,984,272	\$ 41,136	
Total LVDS Low Revenue Requirement (Annual \$)		\$ 1,292,311	\$ 1,292,311	\$ 1,292,311	\$ 1,400,005	\$ 1,400,005
Total LVDS Low Charge Determinant (Annual kW)		848,214	840,706	840,484	776,996	777,489
LVDS Low Rate (Monthly, \$/kW)		1.5236	1.5372	1.5376	1.8018	1.8007

Derivation of Facility Charge for connection to Specific ST Lines

Costs: di Lines - 50kV to 750V
Costs: di General + di Remainder
Costs: cu group (excluding customer premise costs)
Proportion of Total (di+cu) Costs allocated to ST Lines

Expenses

di Distribution Costs (di)
cu Customer Related Costs (cu)
ad General and Administration (ad)
dep Depreciation and Amortization (dep)
INPUT PILs (INPUT)
INT Interest
Direct Allocation
NI Allocated Net Income (NI)
Total Revenue Requirement (includes NI)

2018		2021	
Total	Assigned to Lines	Total	Assigned to Lines
\$ 230,507,206	\$ 230,507,206	\$ 248,619,795	\$ 248,619,795
\$ 69,137,376		\$ 77,913,026	
\$ 66,823,896		\$ 68,632,845	
62.90%		62.92%	
\$ 299,644,582	\$ 230,507,206	\$ 326,532,820	\$ 248,619,795
\$ 114,393,736		\$ 119,836,845	
\$ 167,835,912	\$ 105,568,117	\$ 168,476,276	\$ 105,997,410
\$ 394,395,283	\$ 248,073,055	\$ 445,369,911	\$ 280,205,963
\$ 58,009,696	\$ 36,487,866	\$ 68,301,992	\$ 42,972,426
\$ 190,949,519	\$ 120,106,484	\$ 223,533,626	\$ 140,636,926
\$ 10,066,066	\$ -	\$ 11,181,439	\$ -
\$ 269,451,569	\$ 169,483,959	\$ 315,419,060	\$ 198,446,952
\$ 1,504,746,361	\$ 910,226,686	\$ 1,678,651,970	\$ 1,016,879,472

Specific Line Rates Calculation

Annual costs associated with all HON "50 kV to 750 V" Line Assets \$ 910,226,686 \$ 1,016,879,472
Total km of 50kV-to-4.16kV line (Actual 2016, km) 117,853 117,853

ST Specific Line Rate (Monthly, per km)* \$ 643.6199 \$ 719.0339

* 2018 rate will be maintained in 2019 and 2020, and 2021 rate will be maintained in 2022

2018 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Draft Rates		Revenues at Draft Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric					
						kWh	kW				
Residential – Urban [UR]	Customers	225,944	2,047,262,889	-	\$ 27.76	\$ 0.0079		\$ 91,439,904	\$ 91,429,002	\$ 91,429,002	-\$ 10,902
Residential – Medium Density [R1]	Customers	446,102	4,924,068,303	-	\$ 37.83	\$ 0.0220		\$ 310,841,745	\$ 311,034,450	\$ 311,034,450	\$ 192,704
Residential – Low Density [R2]	Customers	328,410	4,539,367,306	-	\$ 88.70	\$ 0.0363		\$ 514,339,013	\$ 514,470,306	\$ 514,470,306	\$ 131,293
Seasonal Residential	Customers	149,485	631,921,216	-	\$ 40.57	\$ 0.0608		\$ 111,195,916	\$ 111,219,385	\$ 111,219,385	\$ 23,469
General Service Energy Billed (less than 50 kW) [GSe]	Customers	88,484	2,104,034,980	-	\$ 29.68	\$ 0.0591		\$ 155,862,893	\$ 155,943,148	\$ 155,943,148	\$ 80,255
General Service Demand Billed (50 kW and above) [GSd]	Customers	5,406	2,341,979,038	8,025,918	\$ 102.93		\$ 16.7653	\$ 141,233,766	\$ 141,234,147	\$ 141,234,147	\$ 381
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	18,074	598,366,765	-	\$ 23.97	\$ 0.0280		\$ 21,953,039	\$ 21,929,437	\$ 21,929,437	-\$ 23,601
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,744	1,057,526,028	2,832,322	\$ 101.13		\$ 9.5977	\$ 29,300,517	\$ 29,300,516	\$ 29,300,516	-\$ 0
Street Lighting	Customers	5,323	121,367,848	-	\$ 4.08	\$ 0.0980		\$ 12,154,674	\$ 12,150,056	\$ 12,150,056	-\$ 4,618
Sentinel Lighting	Customers	23,987	20,385,578	-	\$ 3.10	\$ 0.1180		\$ 3,297,809	\$ 3,299,513	\$ 3,299,513	\$ 1,705
Unmetered Scattered Load [USL]	Customers	5,597	24,437,190	-	\$ 35.10	\$ 0.0287		\$ 3,058,913	\$ 3,058,397	\$ 3,058,397	-\$ 516
Distributed Generation [DGen]	Customers	1,152	18,368,070	184,739	\$ 198.03		\$ 6.0592	\$ 3,858,085	\$ 3,858,080	\$ 3,858,080	-\$ 6
Sub-Transmission [ST]	Customers	808	15,528,383,151	29,977,946	\$ 1,026.22		\$ 1.4425	\$ 53,196,455	\$ 53,197,161	\$ 53,197,161	\$ 706
Total								\$ 1,451,732,729	\$ 1,452,123,598	\$ -	\$ 390,869

Note

- The class specific revenue requirements in column K must be the amounts used in the final rate design process. The total of column K should equate to the rates revenue requirement.
- Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

2019 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Draft Rates		Revenues at Draft Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric					
						kWh kW					
Residential – Urban [UR]	Customers	228,666	2,047,339,001	-	\$ 31.30	\$ 0.0047	\$ 95,509,621	\$ 95,588,930		\$ 95,588,930	\$ 79,309
Residential – Medium Density [R1]	Customers	449,958	4,917,201,793	-	\$ 42.25	\$ 0.0194	\$ 323,522,504	\$ 323,557,333		\$ 323,557,333	\$ 34,829
Residential – Low Density [R2]	Customers	330,076	4,478,345,990	-	\$ 97.81	\$ 0.0322	\$ 531,619,991	\$ 531,761,564		\$ 531,761,564	\$ 141,573
Seasonal Residential	Customers	149,813	619,771,621	-	\$ 45.14	\$ 0.0530	\$ 113,998,833	\$ 114,032,075		\$ 114,032,075	\$ 33,242
General Service Energy Billed (less than 50 kW) [GSe]	Customers	88,423	2,064,247,047	-	\$ 30.26	\$ 0.0614	\$ 158,852,751	\$ 158,864,746		\$ 158,864,746	\$ 11,995
General Service Demand Billed (50 kW and above) [GSD]	Customers	5,457	2,316,983,638	7,940,259	\$ 104.42	\$ 17.3532	\$ 144,626,693	\$ 144,626,097		\$ 144,626,097	\$ 596
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	18,166	592,270,624	-	\$ 24.52	\$ 0.0290	\$ 22,521,110	\$ 22,541,631		\$ 22,541,631	\$ 20,520
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,753	1,047,731,808	2,797,926	\$ 102.94	\$ 9.9375	\$ 29,969,460	\$ 29,969,604		\$ 29,969,604	\$ 144
Street Lighting	Customers	5,364	121,925,376	-	\$ 4.21	\$ 0.1013	\$ 12,622,006	\$ 12,627,410		\$ 12,627,410	\$ 5,404
Sentinel Lighting	Customers	23,822	20,235,185	-	\$ 3.26	\$ 0.1239	\$ 3,439,074	\$ 3,438,651		\$ 3,438,651	\$ 423
Unmetered Scattered Load [USL]	Customers	5,633	24,560,309	-	\$ 35.76	\$ 0.0293	\$ 3,137,012	\$ 3,136,377		\$ 3,136,377	\$ 635
Distributed Generation [DGen]	Customers	1,272	19,001,248	191,107	\$ 198.03	\$ 9.5956	\$ 4,857,338	\$ 4,857,333		\$ 4,857,333	\$ 5
Sub-Transmission [ST]	Customers	811	15,367,777,027	29,637,492	\$ 1,048.51	\$ 1.4961	\$ 54,546,089	\$ 54,544,780		\$ 54,544,780	\$ 1,308
Total							\$ 1,499,222,483	\$ 1,499,546,531	\$ -	\$ 1,499,546,531	\$ 324,047

Note

- The class specific revenue requirements in column K must be the amounts used in the final rate design process. The total of column K should equate to the rates revenue requirement.
- Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

2020 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Draft Rates			Revenues at Draft Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	231,390	2,064,454,439	-	\$ 35.88	\$ -		\$ 99,627,296	\$ 99,634,425		\$ 99,634,425	\$ 7,129
Residential – Medium Density [R1]	Customers	453,821	4,953,183,920	-	\$ 47.11	\$ 0.0160		\$ 335,805,227	\$ 336,023,610		\$ 336,023,610	\$ 218,383
Residential – Low Density [R2]	Customers	331,741	4,456,998,731	-	\$ 107.83	\$ 0.0268		\$ 548,706,953	\$ 548,884,134		\$ 548,884,134	\$ 177,182
Seasonal Residential	Customers	150,145	613,086,833	-	\$ 50.12	\$ 0.0439		\$ 117,217,508	\$ 117,230,269		\$ 117,230,269	\$ 12,760
General Service Energy Billed (less than 50 kW) [GSe]	Customers	88,405	2,042,548,312	-	\$ 30.91	\$ 0.0634		\$ 162,288,593	\$ 162,215,841		\$ 162,215,841	-\$ 72,752
General Service Demand Billed (50 kW and above) [GSd]	Customers	5,511	2,312,456,387	7,924,744	\$ 106.28		\$ 17.8734	\$ 148,671,150	\$ 148,671,122		\$ 148,671,122	-\$ 29
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	18,268	591,211,185	-	\$ 25.11	\$ 0.0300		\$ 23,240,843	\$ 23,216,644		\$ 23,216,644	-\$ 24,198
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,762	1,046,863,808	2,787,731	\$ 105.10		\$ 10.2368	\$ 30,759,737	\$ 30,759,632		\$ 30,759,632	-\$ 104
Street Lighting	Customers	5,401	122,674,116	-	\$ 4.33	\$ 0.1044		\$ 13,087,815	\$ 13,082,929		\$ 13,082,929	-\$ 4,886
Sentinel Lighting	Customers	23,645	20,117,348	-	\$ 3.45	\$ 0.1312		\$ 3,618,313	\$ 3,620,160		\$ 3,620,160	\$ 1,846
Unmetered Scattered Load [USL]	Customers	5,667	24,848,190	-	\$ 36.88	\$ 0.0300		\$ 3,253,559	\$ 3,254,127		\$ 3,254,127	\$ 567
Distributed Generation [DGen]	Customers	1,396	19,766,983	198,809	\$ 198.03		\$ 10.3790	\$ 5,381,361	\$ 5,381,363		\$ 5,381,363	\$ 2
Sub-Transmission [ST]	Customers	814	15,362,340,281	29,567,094	\$ 1,074.37		\$ 1.5419	\$ 56,082,463	\$ 56,081,629		\$ 56,081,629	-\$ 835
Total								\$ 1,547,740,817	\$ 1,548,055,884	\$ -	\$ 1,548,055,884	\$ 315,067

Note

- 1 The class specific revenue requirements in column K must be the amounts used in the final rate design process. The total of column K should equate to the rates revenue requirement.
- 2 Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

2021 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/ Connections (Average)	Test Year Consumption		Draft Rates			Revenues at Draft Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	234,088	2,075,368,926	-	\$ 36.72	\$ -		\$ 103,148,520	\$ 103,159,889		\$ 103,159,889	\$ 11,369
Residential – Medium Density [R1]	Customers	457,608	4,971,183,532	-	\$ 52.36	\$ 0.0116		\$ 345,190,062	\$ 345,125,428		\$ 345,125,428	-\$ 64,634
Residential – Low Density [R2]	Customers	333,473	4,425,991,400	-	\$ 118.91	\$ 0.0200		\$ 564,358,848	\$ 564,499,916		\$ 564,499,916	\$ 141,067
Seasonal Residential	Customers	150,445	605,493,061	-	\$ 55.40	\$ 0.0315		\$ 119,089,092	\$ 119,070,816		\$ 119,070,816	-\$ 18,275
General Service Energy Billed (less than 50 kW) [GSe]	Customers	88,435	2,017,505,440	-	\$ 31.41	\$ 0.0652		\$ 164,874,454	\$ 164,914,173		\$ 164,914,173	\$ 39,719
General Service Demand Billed (50 kW and above) [GSd]	Customers	5,563	2,301,725,939	7,887,971	\$ 107.62		\$ 18.3529	\$ 151,951,194	\$ 151,951,015		\$ 151,951,015	-\$ 179
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	18,380	589,001,013	-	\$ 25.60	\$ 0.0308		\$ 23,787,467	\$ 23,814,974		\$ 23,814,974	\$ 27,507
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,772	1,043,858,333	2,771,740	\$ 106.70		\$ 10.5133	\$ 31,409,314	\$ 31,409,174		\$ 31,409,174	-\$ 140
Street Lighting	Customers	5,445	132,827,621	-	\$ 4.77	\$ 0.1070		\$ 14,524,207	\$ 14,520,064		\$ 14,520,064	-\$ 4,143
Sentinel Lighting	Customers	23,719	20,598,751	-	\$ 3.60	\$ 0.1338		\$ 3,780,793	\$ 3,780,874		\$ 3,780,874	\$ 81
Unmetered Scattered Load [USL]	Customers	5,944	26,193,559	-	\$ 37.50	\$ 0.0304		\$ 3,471,300	\$ 3,470,706		\$ 3,470,706	-\$ 594
Distributed Generation [DGen]	Customers	1,508	20,331,530	204,487	\$ 198.03		\$ 11.1084	\$ 5,854,313	\$ 5,854,322		\$ 5,854,322	\$ 9
Sub-Transmission [ST]	Customers	825	15,132,132,885	29,457,615	\$ 1,084.90		\$ 1.5834	\$ 57,379,203	\$ 57,380,557		\$ 57,380,557	\$ 1,355
Residential – Acquired Urban [AUR]	Customers	15,312	92,804,245	-	\$ 30.76			\$ 5,651,930	\$ 5,652,634		\$ 5,652,634	\$ 704
Urban Acquired General Service Energy Billed (less than 50 kW) [AUGe]	Customers	1,339	43,284,079	-	\$ 30.24	\$ 0.0174		\$ 1,238,865	\$ 1,239,275		\$ 1,239,275	\$ 410
Urban Acquired General Service Demand Billed (50 kW and above) [AUGd]	Customers	194	142,271,592	410,749	\$ 209.83		\$ 3.8645	\$ 2,074,816	\$ 2,074,822		\$ 2,074,822	\$ 6
Residential – Acquired Mixed Density [AR]	Customers	37,769	287,240,419	-	\$ 40.08			\$ 18,165,308	\$ 18,163,504		\$ 18,163,504	-\$ 1,805
Acquired General Service Energy Billed (less than 50 kW) [AGSe]	Customers	4,339	103,513,037	-	\$ 40.82	\$ 0.0187		\$ 4,061,032	\$ 4,063,788		\$ 4,063,788	\$ 2,755
Acquired General Service Demand Billed (50 kW and above) [AGSd]	Customers	365	235,941,130	663,644	\$ 208.51		\$ 5.1405	\$ 4,324,274	\$ 4,324,315		\$ 4,324,315	\$ 42
Total								\$ 1,624,334,992	\$ 1,624,470,245	\$ -	\$ 1,624,470,245	\$ 135,254

Note

- 1 The class specific revenue requirements in column K must be the amounts used in the final rate design process. The total of column K should equate to the rates revenue requirement.
- 2 Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

2022 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/ Connections (Average)	Test Year Consumption		Draft Rates			Revenues at Draft Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	236,737	2,090,411,223	-	\$ 37.47	\$ -		\$ 106,446,206	\$ 106,452,476		\$ 106,452,476	\$ 6,270
Residential – Medium Density [R1]	Customers	461,272	4,997,679,120	-	\$ 58.34	\$ 0.0066		\$ 355,912,011	\$ 356,058,971		\$ 356,058,971	\$ 146,960
Residential – Low Density [R2]	Customers	335,223	4,408,437,098	-	\$ 131.78	\$ 0.0117		\$ 581,686,182	\$ 581,865,285		\$ 581,865,285	\$ 179,102
Seasonal Residential	Customers	150,701	600,089,302	-	\$ 61.50	\$ 0.0184		\$ 122,258,693	\$ 122,262,209		\$ 122,262,209	\$ 3,516
General Service Energy Billed (less than 50 kW) [GSe]	Customers	88,515	1,999,481,405	-	\$ 32.00	\$ 0.0671		\$ 168,154,805	\$ 168,172,144		\$ 168,172,144	\$ 17,339
General Service Demand Billed (50 kW and above) [GSD]	Customers	5,612	2,296,967,927	7,871,666	\$ 109.34		\$ 18.8502	\$ 155,745,784	\$ 155,745,263		\$ 155,745,263	-\$ 521
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	18,501	588,566,373	-	\$ 26.15	\$ 0.0317		\$ 24,463,251	\$ 24,482,802		\$ 24,482,802	\$ 19,550
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,783	1,043,919,652	2,764,065	\$ 108.63		\$ 10.8000	\$ 32,176,507	\$ 32,176,531		\$ 32,176,531	\$ 24
Street Lighting	Customers	5,481	133,429,997	-	\$ 4.89	\$ 0.1098		\$ 14,972,249	\$ 14,977,848		\$ 14,977,848	\$ 5,599
Sentinel Lighting	Customers	23,605	20,494,533	-	\$ 3.76	\$ 0.1401		\$ 3,936,351	\$ 3,937,551		\$ 3,937,551	\$ 1,200
Unmetered Scattered Load [USL]	Customers	5,975	26,397,633	-	\$ 38.49	\$ 0.0311		\$ 3,580,735	\$ 3,580,474		\$ 3,580,474	-\$ 261
Distributed Generation [DGen]	Customers	1,608	20,936,266	210,569	\$ 198.03		\$ 11.8953	\$ 6,327,061	\$ 6,327,070		\$ 6,327,070	\$ 9
Sub-Transmission [ST]	Customers	828	15,149,405,058	29,499,182	\$ 1,111.47		\$ 1.6265	\$ 59,023,674	\$ 59,022,461		\$ 59,022,461	-\$ 1,213
Residential – Acquired Urban [AUR]	Customers	15,467	91,767,419	-	\$ 31.60			\$ 5,864,988	\$ 5,864,970		\$ 5,864,970	-\$ 17
Urban Acquired General Service Energy Billed (less than 50 kW) [AUGe]	Customers	1,352	43,685,012	-	\$ 35.68	\$ 0.0206		\$ 1,478,855	\$ 1,476,853		\$ 1,476,853	-\$ 2,002
Urban Acquired General Service Demand Billed (50 kW and above) [AUGd]	Customers	194	142,604,414	411,710	\$ 282.77		\$ 5.1984	\$ 2,797,502	\$ 2,797,512		\$ 2,797,512	\$ 10
Residential – Acquired Mixed Density [AR]	Customers	38,018	284,062,949	-	\$ 41.17			\$ 18,782,365	\$ 18,781,429		\$ 18,781,429	-\$ 936
Acquired General Service Energy Billed (less than 50 kW) [AGSe]	Customers	4,337	102,300,056	-	\$ 42.92	\$ 0.0199		\$ 4,269,328	\$ 4,269,880		\$ 4,269,880	\$ 552
Acquired General Service Demand Billed (50 kW and above) [AGSD]	Customers	371	235,706,494	662,981	\$ 252.30		\$ 6.3239	\$ 5,314,471	\$ 5,314,433		\$ 5,314,433	-\$ 38
Total								\$ 1,673,191,018	\$ 1,673,566,162	\$ -	\$ 1,673,566,162	\$ 375,144

Note

- The class specific revenue requirements in column K must be the amounts used in the final rate design process. The total of column K should equate to the rates revenue requirement.
- Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

PROPOSED RATE SCHEDULES 2018

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

RESIDENTIAL SERVICE CLASSIFICATIONS

A year-round residential customer classification applies to a customer's main place of abode and may include additional buildings served through the same meter, provided they are not rental income units. All of the following criteria must be met:

1. Occupant represents and warrants to Hydro One Networks Inc. that for so long as he/she has year-round residential rate status for the identified dwelling, he/she will not designate another property that he/she owns as a year-round residence for purposes of Hydro One rate classification.
2. Occupier must live in this residence for at least four (4) days of the week for eight (8) months of the year and the Occupier must not reside anywhere else for more than three (3) days a week during eight (8) months of the year.
3. The address of this residence must appear on documents such as the occupant's electric bill, driver's licence, credit card invoice, property tax bill, etc.
4. Occupants who are eligible to vote in Provincial or Federal elections must be enumerated for this purpose at the address of this residence.

Seasonal Residential customer classification is defined as any residential service that does not meet residential year-round criteria. It includes dwellings such as cottages, chalets and camps.

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

Hydro One Networks' residential service area is sub-divided into three density zones according to the following:

- Urban Density Zone is defined as areas containing 3,000 or more customers with a line density of at least 60 customers per circuit kilometer.
- Medium Density Zone is defined as areas containing 100 or more customers with a line density of at least 15 customers per circuit kilometer.
- Low Density Zone is defined as areas other than Urban or Medium Density Zone.

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, it should be noted that the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

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

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018

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

Filed: 2017-03-31
EB-2017-0049
Exhibit H1
Schedule 2
Tab 1
Page 3 of 21

RESIDENTIAL SERVICE CLASSIFICATIONS

YEAR-ROUND URBAN DENSITY – UR

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	27.76
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	0.01
Rate Rider for Smart Metering Entity Charge – effective until December 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018 Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0079
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018 Applicable only for Non-WMP Class B Customers (see Note 12)	\$/kWh	0.0001
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0078
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0064

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate – not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

YEAR-ROUND MEDIUM DENSITY – R1

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	37.83
Rate Rider for Smart Metering Entity Charge – effective until December 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018 Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0220
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018 Applicable only for Non-WMP Class B Customers (see Note 12)	\$/kWh	0.0001
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0072
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0060

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate – not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

RESIDENTIAL SERVICE CLASSIFICATIONS

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

YEAR-ROUND LOW DENSITY – R2

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge*	\$	88.70
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	(0.02)
Rate Rider for Smart Metering Entity Charge – effective until December 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0363
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0056

* Under the Ontario Energy Board Act, 1998 and associated Regulations, every qualifying year-round customer with a principal residence is eligible to receive Rural or Remote Rate Protection (RRRP). The service charge shown for eligible R2 customers will be reduced by the applicable RRRP credit, currently at \$63.59.

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

SEASONAL

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	40.57
Rate Rider for Smart Metering Entity Charge – effective until December 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0608
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0057
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0048

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on the preceding Residential Service Classification pages of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits shall be in accordance with the License 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.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person; “account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;

“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
 - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
 - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
 - (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;
- but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
 - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
 - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
- but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
 - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
 - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
- but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
 - ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
 - iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE CLASSIFICATIONS

General Service classification applies to any service that does not fit the description of residential classes. It includes combination type services where a variety of uses are made of the service by the owner of one property, and all multiple services except residential. 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

Hydro One Networks' General Service area is sub-divided into two density zones according to the following:

- Urban Density Zone is defined as areas containing 3,000 or more customers with a line density of at least 60 customers per circuit kilometer.
- Non-Urban Density Zone is defined as areas other than Urban Density Zone.

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, it should be noted that 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.

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

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.

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

URBAN GENERAL SERVICE ENERGY BILLED – UGe

This classification applies to a non-residential account located in an Urban Density Zone whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	23.97
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	0.01
Rate Rider for Smart Metering Entity Charge – effective until December 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0280
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0061
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0047

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE ENERGY BILLED – GSe

This classification applies to a non-residential account not located in an Urban Density Zone whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	29.68
Rate Rider for Smart Metering Entity Charge – effective until December 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0591
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0057
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0045

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

URBAN GENERAL SERVICE DEMAND BILLED – UGd

This classification applies to a non-residential account located in an Urban Density Zone whose average monthly maximum demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW. Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	101.13
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	0.01
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kW	9.6614
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kW	0.0425
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kW	0.0221
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	2.1248
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.6235

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE DEMAND BILLED – GSd

This classification applies to a non-residential account not located in an Urban Density Zone whose average monthly maximum demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW. Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	102.93
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	(0.02)
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kW	16.8368
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kW	0.0297
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kW	0.0173
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.5757
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.2035

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

DISTRIBUTED GENERATION – DGen

This classification applies to an embedded retail generation facility connected to the distribution system that is not classified as MicroFIT generation. Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing. Class A and Class B consumers are defined in accordance with O. Reg. 429/04.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	198.03
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	0.01
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018 Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kW	6.1229
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kW	0.0113
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018 Applicable only for Non-WMP Class B Customers (see Note 12)	\$/kW	0.0059
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	0.5948
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	0.5160

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

SUB TRANSMISSION – ST

This classification applies to either:

- Embedded supply to Local Distribution Companies (LDCs). “Embedded” meaning receiving supply via Hydro One Distribution assets, and where Hydro One is the host distributor to the embedded LDC. Situations where the LDC is supplied via Specific Facilities are included. OR
- Load which:
 - is three-phase; and
 - is directly connected to and supplied from Hydro One Distribution assets between 44 kV and 13.8 kV inclusive; the meaning of “directly” includes Hydro One not owning the local transformation; and
 - is greater than 500 kW (monthly measured maximum demand averaged over the most recent calendar year or whose forecasted monthly average demand over twelve consecutive months is greater than 500 kW).

Hydro One establishes billing determinants for demand customers’ Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer’s power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing.

Class A and Class B consumers are defined in accordance with O. Reg. 429/04.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	533.12
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	3.83
Meter Charge (for Hydro One ownership) (see Note 11)	\$	670.96
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Facility Charge for connection to Common ST Lines (44 kV to 13.8 kV) (see Notes 1, 8 and 14)	\$/kW	1.3153
Facility Charge for connection to Specific ST Lines (44 kV to 13.8 kV) (see Note 2)	\$/km	643.6199
Facility Charge for connection to high-voltage (> 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	1.8451
Facility Charge for connection to low-voltage (< 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	3.3687
Facility Charge for connection to low-voltage (< 13.8 kV secondary) Low Voltage Distribution Station (see Notes 3 and 14)	\$/kW	1.5236
Rate Rider for Disposition of Deferral/Variance Accounts (General) (2018) – effective until December 31, 2018 (see Notes 1, 9 and 14)	\$/kW	0.2341
Rate Rider for Disposition of Deferral/Variance Account (Non-WMP Class B Customers) (2018) – effective until December 31, 2018 (see Notes 1, 10, 12 and 14)	\$/kW	0.0158
Rate Rider for Disposition of Deferral/Variance Account (Non-WMP Customers) (2018) – effective until December 31, 2018 (see Notes 1, 10 and 14)	\$/kW	0.0230
Retail Transmission Service Rates (see Notes 6 and 7)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	3.3720
Retail Transmission Rate – Line Connection Service Rate (see Note 5)	\$/kW	0.7322
Retail Transmission Rate – Transformation Connection Service Rate (see Note 5)	\$/kW	1.7844

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. The amount of electricity consumed by unmetered connections will be based on detailed information/documentation provided by the device's manufacturer and will be agreed to by Hydro One and the customer and may be subject to periodic monitoring of actual consumption. Eligible unmetered loads include cable TV amplifiers, bus shelters, telephone booths, traffic signals, railway crossings and other small fixed loads. 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	\$	35.10
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$	(0.01)
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0287
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Applicable only for Non-WMP Class B Customers (see Note 12)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0038

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

Filed: 2017-03-31
EB-2017-0049
Exhibit H1
Schedule 2
Tab 1
Page 13 of 21

SENTINEL LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have separate service to a sentinel light. The energy consumption for sentinel lights is estimated based on Networks' profile for sentinel lighting load, which provides the amount of time each month that the sentinel lights are operating. 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, it should be noted that 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	\$	3.10
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018 Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.1180
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018 Applicable only for Non-WMP Class B Customers (see Note 12)	\$/kWh	0.0001
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0047
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0043

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

STREET LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have streetlights, which are devices owned by or operated for a road authority and/or municipal corporation. The energy consumption for street lights is estimated based on Networks' profile for street lighting load, which provides the amount of time each month that the street lights are operating. 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, it should be noted that 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	\$	4.08
Rate Rider for Disposition of Global Adjustment Account (2018) – effective until December 31, 2018 Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	0.0019
Distribution Volumetric Rate	\$/kWh	0.0980
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2018) – effective until December 31, 2018 Applicable only for Non-WMP Class B Customers (see Note 12)	\$/kWh	0.0001
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0047
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0043

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

Filed: 2017-03-31
EB-2017-0049
Exhibit H1
Schedule 2
Tab 1
Page 15 of 21

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$ 5.40
----------------	---------

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

ALLOWANCES

CUSTOMER-SUPPLIED TRANSFORMATION ALLOWANCE

Applicable to customers providing their own transformers and the primary voltage is under 50 kV

Demand Billed - per kW of billing demand/month	\$/kW	(0.60)
Energy Billed – per kWh of billing energy/month	\$/kWh	(0.0014)

TRANSFORMER LOSS ALLOWANCE

Applicable to non-ST customers requiring a billing adjustment for transformer losses as the result of being metered on the primary side of a transformer. The following uniform values shall be applied to measured demand and energy to calculate transformer losses for voltages up to and including 50 kV (as metered on the primary side).

For installations up to and including bank capacity of 400 kVA	%	(1.5)
For bank capacities over 400 kVA	%	(1.0)

Applicable to ST customers requiring a billing adjustment for transformer losses as the result of being metered on the secondary side of a transformer. The uniform value of 1 % shall be added to measured demand and energy (as measured on the secondary side) to adjust for transformer losses.

Alternately, transformer losses may be determined from transformer test data, and measured demand and energy adjusted accordingly.

For services which are not demand metered, an assumed demand of 50% of the transformer capacity will be used to calculate the loss allowance. Where several transformers are involved, the bank capacity is assumed to be the arithmetic sum of all transformer capacities.

LOSS FACTORS

Residential - UR	1.057
Residential - R1	1.076
Residential - R2	1.105
Residential - Seasonal	1.104
General Service - UGe	1.067
General Service - GSe	1.096
General Service - UGd	1.050
General Service - GSd	1.061
Distributed Generation - DGen	1.061
Unmetered Scattered Load	1.092
Sentinel Lights	1.092
Street Lights	1.092
Sub Transmission - ST	
Distribution Loss Factors	
Embedded Delivery Points (metering at station)	1.000
Embedded Delivery Points (metering away from station)	1.028
Total Loss Factors	
Embedded Delivery Points (metering at station)	1.006
Embedded Delivery Points (metering away from station)	1.034

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration

Statement of Account	\$	13.00
Duplicate Invoices for Previous Billing	\$	13.00
Request for Other Billing Information	\$	13.00
Easement Letter – Letter Request	\$	86.90
Easement Letter - Web Request	\$	25.00
Income Tax Letter	\$	13.00
Account History	\$	13.00
Credit Reference/Credit Check	\$	13.00
Returned Cheque Charge	\$	7.00
Legal Letter Charge	\$	Actual Costs
Account Set Up Charge/Change of Occupancy Charge (Plus Credit Agency Costs, if applicable)	\$	38.00
Special Meter Reads	\$	90.00
Meter Dispute Charge – Measurement Canada (MC)	\$	290 plus MC fee

Non-Payment of Account

Late Payment Charge		1.5%/month
Collection of Account Charge – No Disconnection	\$	\$100.00
Collection – Disconnect/Reconnect at Meter & Install/Remove Load Control Device – During Regular Hours	\$	120.00
Collection – Disconnect/Reconnect at Meter & Install/Remove Load Control Device – After Regular Hours	\$	430.00
Collection – Disconnect/Reconnect at Pole – During Regular Hours	\$	320.00
Collection – Disconnect/Reconnect at Pole – After Regular Hours	\$	850.00

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

Other

Service Call – Customer Owned Equipment – During Regular Hours	\$	210.00*
Service Call – Customer Owned Equipment – After Regular Hours	\$	775.00*
Temporary Service Install & Remove – Overhead – No Transformer	\$	Actual Costs
Temporary Service Install & Remove – Underground – No Transformer	\$	Actual Costs
Temporary Service Install & Remove – Overhead – With Transformer	\$	Actual Costs
Specific Charge for Access to Power Poles – Telecom	\$	43.99
Vacant Premise – Move in with Reconnect of Electrical Service at Meter	\$	95.00
Vacant Premise – Move in with Reconnect of Electrical Service at Pole	\$	300.00
Reconnect Completed after Regular Hours (Customer/Contract Driven) – at Meter	\$	245.00
Reconnect Completed after Regular Hours (Customer/Contract Driven) – at Pole	\$	475.00
Additional Service Layout Fee – Basic/Complex (more than one hour)	\$	561.08
Pipeline Crossings	\$	2,363.12
Water Crossings	\$	3,522.56
	\$	4,690.71 plus
Railway Crossings		Railway
		Feedthrough Costs
Overhead Line Staking Per Meter	\$	4.17
Underground Line Staking Per Meter	\$	3.00
Subcable Line Staking Per Meter	\$	2.62
Central Metering – New Service <45 kW	\$	100.00
Conversion to Central Metering <45 kW	\$	1,534.07
Conversion to Central Metering >=45 kW	\$	1,434.07
Connection Impact Assessments – Net Metering	\$	3,146.11
Connection Impact Assessments – Embedded LDC Generators	\$	2,825.21
Connection Impact Assessments – Small Projects <= 500 kW	\$	3,216.36
Connection Impact Assessments – Small Projects <= 500 kW, Simplified	\$	1,941.06
Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects	\$	8,518.75
Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – TS Review for LDC Capacity Allocation Required Projects	\$	5,637.93
Specific Charge for Access to Power Poles – LDC	\$	see below
Specific Charge for Access to Power Poles – Generators	\$	see below
Specific Charge for Access to Power Poles – Municipal Streetlights	\$	2.04
Sentinel Light Rental Charge	\$	10.00
Sentinel Light Pole Rental Charge	\$	7.00

* Base charge only. Additional work on equipment will be based on actual costs.

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

Specific Charge for LDCs Access to the Power Poles (\$/pole/year)

LDC Rate for 10' of power space	\$	76.46
LDC Rate for 15' of power space	\$	91.75
LDC Rate for 20' of power space	\$	101.95
LDC Rate for 25' of power space	\$	109.23
LDC Rate for 30' of power space	\$	114.69
LDC Rate for 35' of power space	\$	118.94
LDC Rate for 40' of power space	\$	122.34
LDC Rate for 45' of power space	\$	125.12
LDC Rate for 50' of power space	\$	127.44
LDC Rate for 55' of power space	\$	129.40
LDC Rate for 60' of power space	\$	131.08

Specific Charge for Generator Access to the Power Poles (\$/pole/year)

Generator Rate for 10' of power space	\$	76.46
Generator Rate for 15' of power space	\$	91.75
Generator Rate for 20' of power space	\$	101.95
Generator Rate for 25' of power space	\$	109.23
Generator Rate for 30' of power space	\$	114.69
Generator Rate for 35' of power space	\$	118.94
Generator Rate for 40' of power space	\$	122.34
Generator Rate for 45' of power space	\$	125.12
Generator Rate for 50' of power space	\$	127.44
Generator Rate for 55' of power space	\$	129.40
Generator Rate for 60' of power space	\$	131.08

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

NOTES

1. The basis of the charge is the customer's monthly maximum demand. For an ST customer with multiple delivery points served from the same Transformer Station or High Voltage Distribution Station, the aggregated demand will be the applicable billing determinant. Demand is not aggregated between stations.
2. The basis of the charge is the customer's monthly maximum demand. For an ST customer with multiple delivery points served from the same Transformer Station or High Voltage Distribution Station, the aggregated demand will be the applicable billing determinant. Demand is not aggregated between stations.
3. The basis of the charge is the "non-coincident demand" at each delivery point of the customer supplied by the station. This is measured as the kW demand at the delivery point at the time in the month of maximum load on the delivery point. For a customer connected through two or more distribution stations, the total charge for the connection to the shared distribution stations is the sum of the relevant charges for each of the distribution stations.
4. The monthly billing determinant for the RTSR Network Service rate is:
 - a. For energy-only metered customers: the customer's metered energy consumption adjusted by the total loss factor as approved by the Ontario Energy Board.
 - b. For interval-metered customers: the peak demand from 7 AM to 7 PM (local time) on IESO business days in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Ontario Energy Board.
 - c. For non-interval-metered demand billed customers: the non-coincident peak demand in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Ontario Energy Board.
5. The monthly billing determinant for the RTSR Line and Transformation Connection Service rates is:
 - a. For energy-only metered customers: the customer's metered energy consumption adjusted by the total loss factor as approved by the Ontario Energy Board.
For all demand billed customers: the non-coincident peak demand in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Ontario Energy Board.
 - b. For customers with load displacement generation above 1 MW, or 2 MW for renewable generation, installed after October 1998, RTSR connection is billed at the gross demand level.
6. Delivery point with respect to RTSR is defined as the low side of the Transformer Station that steps down voltage from above 50 kV to below 50 kV. For customer with multiple interval-metered delivery points served from the same Transformer Station, the aggregated demand at the said delivery points on the low side of the Transformer Station will be the applicable billing determinant.
7. The loss factors, and which connection service rates are applied, are determined based on the point at which the distribution utility or customer is metered for its connection to Hydro One Distribution's system. Hydro One Distribution's connection agreements with these distribution utilities and customers will establish the appropriate loss factors and connection rates to apply from Hydro One Distribution's tariff schedules.
8. The Common ST Lines rate also applies to the supply to Distributors which use lines in the 12.5 kV to 4.16 kV range from HVDSs or LVDSs.
9. Rate Rider for Disposition of Deferral/Variance Accounts (General) is charged based on appropriate billing kW.
10. Rate Rider for Disposition of Deferral/Variance Account (non-WMP customers) applies to non-WMP Class A or Class B customers.
11. The Meter charge is applied per metering facility at delivery points for which Hydro One owns the metering.
12. The Wholesale Market Service Rate, the Rural or Remote Electricity Rate Protection Charge and the Ontario Electricity Support Program Charge are applied solely to non-Wholesale Market Participants. For Class A customers, distributors shall bill the actual CBDR costs to Class A customers in proportion to their contribution to peak. These rates pertain to the IESO's defined point of sale; consequently, appropriate loss factors as approved by the Ontario Energy Board must be applied to the customers metered energy.
13. The Global Adjustment rate rider applies to metered energy consumption adjusted by the total loss factor, as approved by the Ontario Energy Board, for non-LDC, non-RPP and Class B customers that are charged Wholesale Market Service Charges by Hydro One Distribution.
14. For customers with load displacement generation at 1MW or above, or 2 MW or above for renewable generation, installed after October 1998, the ST volumetric charges are billed at the gross demand level.

CURRENT RATE SCHEDULES

Included in this Exhibit are the current OEB-approved Tariffs of Rates and Charges for Hydro One Networks Inc. and the Acquired Utilities. The Tariffs of Rates and Charges are included as follows:

- Attachment 1: Hydro One Networks Inc.
- Attachment 2: Norfolk Power Distribution Inc.
- Attachment 3: Haldimand County Hydro Inc.
- Attachment 4: Woodstock Hydro Services Inc.

The Tariff of Rates and Charges for Hydro One Networks Inc. is included as approved in EB-2016-0081. The Tariffs of Rates and Charges for the Acquired Utilities are included as approved in EB-2016-0082.

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

Page 1 of 19

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-2-2
Attachment 1
Page 1 of 19

EB-2016-0081

RESIDENTIAL SERVICE CLASSIFICATIONS

A year-round residential customer classification applies to a customer's main place of abode and may include additional buildings served through the same meter, provided they are not rental income units. All of the following criteria must be met:

1. Occupant represents and warrants to Hydro One Networks Inc. that for so long as he/she has year-round residential rate status for the identified dwelling, he/she will not designate another property that he/she owns as a year-round residence for purposes of Hydro One rate classification.
2. Occupier must live in this residence for at least four (4) days of the week for eight (8) months of the year and the Occupier must not reside anywhere else for more than three (3) days a week during eight (8) months of the year.
3. The address of this residence must appear on documents such as the occupant's electric bill, driver's licence, credit card invoice, property tax bill, etc.
4. Occupants who are eligible to vote in Provincial or Federal elections must be enumerated for this purpose at the address of this residence.

Seasonal Residential customer classification is defined as any residential service that does not meet residential year-round criteria. It includes dwellings such as cottages, chalets and camps.

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

Hydro One Networks' residential service area is sub-divided into three density zones according to the following:

- Urban Density Zone is defined as areas containing 3,000 or more customers with a line density of at least 60 customers per circuit kilometer.
- Medium Density Zone is defined as areas containing 100 or more customers with a line density of at least 15 customers per circuit kilometer.
- Low Density Zone is defined as areas other than Urban or Medium Density Zone.

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, it should be noted that the charges in the MONTHLY RATES AND CHARGES – Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

RESIDENTIAL SERVICE CLASSIFICATIONS

YEAR-ROUND URBAN DENSITY – UR

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	24.78
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.72
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0094
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0003)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0047

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate – not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

YEAR-ROUND MEDIUM DENSITY – R1

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	33.77
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.82
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0230
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0002)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0064
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0047

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate – not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

RESIDENTIAL SERVICE CLASSIFICATIONS

YEAR-ROUND LOW DENSITY – R2

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge*	\$	80.33
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	1.36
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0374
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0062
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0044

* Under the Ontario Energy Board Act, 1998 and associated Regulations, every qualifying year-round customer with a principal residence is eligible to receive Rural or Remote Rate Protection (RRRP). The service charge shown for eligible R2 customers will be reduced by the applicable RRRP credit, currently at \$60.50.

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

SEASONAL

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	36.28
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.84
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0635
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	0.0003
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0051
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0042

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate – not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on the preceding Residential Service Classification pages of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person; “account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year; “electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board; “household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives; “household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;
but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or

(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

GENERAL SERVICE CLASSIFICATIONS

General Service classification applies to any service that does not fit the description of residential classes. It includes combination type services where a variety of uses are made of the service by the owner of one property, and all multiple services except residential. 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

Hydro One Networks' General Service area is sub-divided into two density zones according to the following:

- Urban Density Zone is defined as areas containing 3,000 or more customers with a line density of at least 60 customers per circuit kilometer.
- Non-Urban Density Zone is defined as areas other than Urban Density Zone.

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, it should be noted that 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.

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

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.

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

URBAN GENERAL SERVICE ENERGY BILLED – UGe

This classification applies to a non-residential account located in an Urban Density Zone whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	23.30
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.67
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0262
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0064
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0040

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE ENERGY BILLED – GSe

This classification applies to a non-residential account not located in an Urban Density Zone whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	27.87
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.73
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0560
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0059
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0038

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

URBAN GENERAL SERVICE DEMAND BILLED – UGd

This classification applies to a non-residential account located in an Urban Density Zone whose average monthly maximum demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW. Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	93.97
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	1.42
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kW	9.1837
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	(0.0623)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	2.0123
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.3239

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE DEMAND BILLED – GSd

This classification applies to a non-residential account not located in an Urban Density Zone whose average monthly maximum demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW. Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	89.48
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	1.37
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kW	16.0236
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	0.0428
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.6048
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.0743

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0081

DISTRIBUTED GENERATION – DGen

This classification applies to an embedded retail generation facility connected to the distribution system that is not classified as MicroFIT generation. Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing. Class A and Class B consumers are defined in accordance with O. Reg. 429/04.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	149.34
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	2.72
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kW	7.0504
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	0.0633
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	0.5230
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	0.3349

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

SUB TRANSMISSION – ST

This classification applies to either:

- Embedded supply to Local Distribution Companies (LDCs). “Embedded” meaning receiving supply via Hydro One Distribution assets, and where Hydro One is the host distributor to the embedded LDC. Situations where the LDC is supplied via Specific Facilities are included. OR
- Load which:
 - is three-phase; and
 - is directly connected to and supplied from Hydro One Distribution assets between 44 kV and 13.8 kV inclusive; the meaning of “directly” includes Hydro One not owning the local transformation; and
 - is greater than 500 kW (monthly measured maximum demand averaged over the most recent calendar year or whose forecasted monthly average demand over twelve consecutive months is greater than 500 kW).

Hydro One establishes billing determinants for demand customers' Distribution charges at the greater of 100 per cent of kW and 90 per cent of kVA where kVA metering is installed. When a customer's power factor is known to be less than 90 per cent, a kVA meter or other equivalent electronic meter shall be used for measuring and billing.

Class A and Class B consumers are defined in accordance with O. Reg. 429/04.

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	492.55
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	11.86
Meter Charge (for Hydro One ownership) (see Note 11)	\$	764.01
Facility Charge for connection to Common ST Lines (44 kV to 13.8 kV) (see Notes 1, 8 and 14)	\$/kW	1.2052
Facility Charge for connection to Specific ST Lines (44 kV to 13.8 kV) (see Note 2)	\$/km	812.8973
Facility Charge for connection to Specific Primary Lines (12.5 kV to 4.16 kV) (see Note 2)	\$/km	611.3830
Facility Charge for connection to high-voltage (> 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	1.8088
Facility Charge for connection to low-voltage (< 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	3.3552
Facility Charge for connection to low-voltage (< 13.8 kV secondary) Low Voltage Distribution Station (see Notes 3 and 14)	\$/kW	1.5464
Rate Rider for Disposition of Deferral/Variance Accounts (General) (2017) – effective until December 31, 2017 (see Notes 1, 9 and 14)	\$/kW	0.3126
Rate Rider for Disposition of Deferral/Variance Account (Wholesale Market Service Rate) (2017) – effective until December 31, 2017 (see Notes 1, 10 and 14)	\$/kW	(0.4418)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017 Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Retail Transmission Service Rates (see Notes 6 and 7)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	3.1942
Retail Transmission Rate – Line Connection Service Rate (see Note 5)	\$/kW	0.7710
Retail Transmission Rate – Transformation Connection Service Rate (see Note 5)	\$/kW	1.7493

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. The amount of electricity consumed by unmetered connections will be based on detailed information/documentation provided by the device's manufacturer and will be agreed to by Hydro One and the customer and may be subject to periodic monitoring of actual consumption. Eligible unmetered loads include cable TV amplifiers, bus shelters, telephone booths, traffic signals, railway crossings and other small fixed loads. 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	\$	35.18
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.51
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Distribution Volumetric Rate	\$/kWh	0.0285
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0001)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0047
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0031

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

SENTINEL LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have separate service to a sentinel light. The energy consumption for sentinel lights is estimated based on Networks' profile for sentinel lighting load, which provides the amount of time each month that the sentinel lights are operating. 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, it should be noted that 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	\$	2.71
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.05
Distribution Volumetric Rate	\$/kWh	0.1178
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	0.0009
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0045
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0027

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

STREET LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have streetlights, which are devices owned by or operated for a road authority and/or municipal corporation. The energy consumption for street lights is estimated based on Networks' profile for street lighting load, which provides the amount of time each month that the street lights are operating. 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, it should be noted that 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	\$	4.25
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$	0.08
Distribution Volumetric Rate	\$/kWh	0.0924
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	0.0007
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers (see Note 13)	\$/kWh	(0.0010)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0045
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0027

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate - not including Capacity Based Recovery (see Note 12)	\$/kWh	0.0032
Capacity Based Recovery (CBR) – applicable for Class B customers (see Note 12)	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP) (see Note 12)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP) (see Note 12)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
----------------	----	------

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

ALLOWANCES

CUSTOMER-SUPPLIED TRANSFORMATION ALLOWANCE

Applicable to customers providing their own transformers and the primary voltage is under 50 kV

Demand Billed - per kW of billing demand/month	\$/kW	(0.60)
Energy Billed – per kWh of billing energy/month	\$/kWh	(0.0014)

TRANSFORMER LOSS ALLOWANCE

Applicable to non-ST customers requiring a billing adjustment for transformer losses as the result of being metered on the primary side of a transformer. The following uniform values shall be applied to measured demand and energy to calculate transformer losses for voltages up to and including 50 kV (as metered on the primary side).

For installations up to and including bank capacity of 400 kVA	%	(1.5)
For bank capacities over 400 kVA	%	(1.0)

Applicable to ST customers requiring a billing adjustment for transformer losses as the result of being metered on the secondary side of a transformer. The uniform value of 1 % shall be added to measured demand and energy (as measured on the secondary side) to adjust for transformer losses.

Alternately, transformer losses may be determined from transformer test data, and measured demand and energy adjusted accordingly.

For services which are not demand metered, an assumed demand of 50% of the transformer capacity will be used to calculate the loss allowance. Where several transformers are involved, the bank capacity is assumed to be the arithmetic sum of all transformer capacities.

LOSS FACTORS

Residential - UR	1.057
Residential - R1	1.076
Residential - R2	1.105
Residential - Seasonal	1.104
General Service - UGe	1.067
General Service - GSe	1.096
General Service - UGd	1.050
General Service - GSd	1.061
Distributed Generation - DGen	1.061
Unmetered Scattered Load	1.092
Sentinel Lights	1.092
Street Lights	1.092
Sub Transmission - ST	
Distribution Loss Factors	
Embedded Delivery Points (metering at station)	1.000
Embedded Delivery Points (metering away from station)	1.028
Total Loss Factors	
Embedded Delivery Points (metering at station)	1.006
Embedded Delivery Points (metering away from station)	1.034

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Easement charge for unregistered rights	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge	\$	30.00
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/Load Limiter	\$	30.00
Collection/Disconnect/Load Limiter/Reconnect trip (at meter) - during regular hours	\$	65.00
Collection/Disconnect/Load Limiter/Reconnect trip (at meter) - after regular hours	\$	185.00
Collection/Disconnect/Load Limiter/Reconnect trip (at pole) - during regular hours	\$	185.00
Collection/Disconnect/Load Limiter/Reconnect trip (at pole) - after regular hours	\$	415.00

Other

Temporary service install & remove	\$	500.00
Specific Charge for Cable and Telecom Companies Access to the Power Poles - \$/pole/year	\$	41.28
Specific Charge for LDCs Access to the Power Poles - \$/pole/year	\$	see below
Specific Charge for Generator Access to the Power Poles - \$/pole/year	\$	see below
Service Layout Fee – Basic	\$	640.00
Service Layout Fee – Complex	\$	850.00
Crossing Application – Pipeline	\$	2,555.00
Crossing Application – Water	\$	3,250.00
Crossing Application – Railroad	\$	6,120.00
Line Staking - \$/meter	\$	4.95
Central Metering – New Service < 45 kW	\$	120.00
Conversion to Central Metering < 45 kW	\$	1,050.00
Conversion to Central Metering > 45 kW	\$	930.00
Tingle Voltage Test in excess of 4 hours – per hour (average 2 additional hours)	\$	140.00
Standby Administration Charge – per month	\$	520.00
Connection Impact Assessment (CIA) Charge – CAE Small DG & Net Metering	\$	5,655.00
Connection Impact Assessment (CIA) Charge – Greater than CAE Small DG & Net Metering	\$	12,130.00
Sentinel Lights Rental Rate – per month	\$	9.51
Sentinel Lights Pole Rental Rate – per month	\$	4.15
Joint Use for Municipality Streetlights	\$	2.04

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

Specific Charge for LDCs Access to the Power Poles (\$/pole/year)

LDC Rate for 10' of power space	\$	47.82
LDC Rate for 15' of power space	\$	57.38
LDC Rate for 20' of power space	\$	64.08
LDC Rate for 25' of power space	\$	67.90
LDC Rate for 30' of power space	\$	71.73
LDC Rate for 35' of power space	\$	74.60
LDC Rate for 40' of power space	\$	76.51
LDC Rate for 45' of power space	\$	78.42
LDC Rate for 50' of power space	\$	79.38
LDC Rate for 55' of power space	\$	81.29
LDC Rate for 60' of power space	\$	82.25

Specific Charge for Generator Access to the Power Poles (\$/pole/year)

Generator Rate for 10' of power space	\$	47.82
Generator Rate for 15' of power space	\$	57.38
Generator Rate for 20' of power space	\$	64.08
Generator Rate for 25' of power space	\$	67.90
Generator Rate for 30' of power space	\$	71.73
Generator Rate for 35' of power space	\$	74.60
Generator Rate for 40' of power space	\$	76.51
Generator Rate for 45' of power space	\$	78.42
Generator Rate for 50' of power space	\$	79.38
Generator Rate for 55' of power space	\$	81.29
Generator Rate for 60' of power space	\$	82.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

NOTES:

- (1) The basis of the charge is the customer's monthly maximum demand. For a customer with multiple delivery points served from the same Transformer Station or High Voltage Distribution Station, the aggregated demand will be the applicable billing determinant. Demand is not aggregated between stations.
- (2) The basis of the charge is kilometers of line, within the supplied LDC's service area, supplying solely that LDC.
- (3) The basis of the charge is the "non-coincident demand" at each delivery point of the customer supplied by the station. This is measured as the kW demand at the delivery point at the time in the month of maximum load on the delivery point. For a customer connected through two or more distribution stations, the total charge for the connection to the shared distribution stations is the sum of the relevant charges for each of the distribution stations.
- (4) The monthly billing determinant for the RTSR Network Service rate is:
 - for energy-only metered customers: the customer's metered energy consumption adjusted by the total loss factor as approved by the Ontario Energy Board.
 - for interval-metered customers: the peak demand from 7 AM to 7 PM (local time) on IESO business days in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Ontario Energy Board.
 - for non-interval-metered demand billed customers: the non-coincident peak demand in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Ontario Energy Board.
- (5) (a) The monthly billing determinant for the RTSR Line and Transformation Connection Service rates is:
 - for energy-only metered customers: the customer's metered energy consumption adjusted by the total loss factor as approved by the Ontario Energy Board.
 - for all demand billed customers: the non-coincident peak demand in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Ontario Energy Board.
 (b) For customers with load displacement generation above 1 MW, or 2 MW for renewable generation, installed after October 1998, RTSR connection is billed at the gross demand level.
- (6) Delivery point with respect to RTSR is defined as the low side of the Transformer Station that steps down voltage from above 50 kV to below 50 kV. For customer with multiple interval-metered delivery points served from the same Transformer Station, the aggregated demand at the said delivery points on the low side of the Transformer Station will be the applicable billing determinant.
- (7) The loss factors, and which connection service rates are applied, are determined based on the point at which the distribution utility or customer is metered for its connection to Hydro One Distribution's system. Hydro One Distribution's connection agreements with these distribution utilities and customers will establish the appropriate loss factors and connection rates to apply from Hydro One Distribution's tariff schedules.
- (8) The Common ST Lines rate also applies to the supply to Distributors which use lines in the 12.5 kV to 4.16 kV range from HVDSs or LVDSs.
- (9) Rate Rider for Disposition of Deferral/Variance Accounts (General) is charged based on appropriate billing kW.
- (10) Rate Rider for Disposition of Deferral/Variance Account (Wholesale Market Service Rate) applies to those customers who were charged Wholesale Market Service Charges by Hydro One Distribution.
- (11) The Meter charge is applied per metering facility at delivery points for which Hydro One owns the metering.
- (12) The Wholesale Market Service Rate, the Rural or Remote Electricity Rate Protection Charge and the Ontario Electricity Support Program Charge are applied solely to non-Wholesale Market Participants. For Class A customers, distributors shall bill the actual CBDR costs to Class A customers in proportion to their contribution to peak. These rates pertain to the IESO's defined point of sale; consequently, appropriate loss factors as approved by the Ontario Energy Board must be applied to the customers metered energy.
- (13) The Global Adjustment rate rider applies to the non-LDC, non-RPP and Class B ST customers that were charged Wholesale Market Service Charges by Hydro One Distribution.
- (14) For customers with load displacement generation at 1MW or above, or 2 MW or above for renewable generation, installed after October 1998, the ST volumetric charges are billed at the gross demand level.

Hydro One Networks Inc. Former Norfolk Power Distribution Inc. Service Area **TARIFF OF RATES AND CHARGES** Effective and Implementation Date January 1, 2017

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

EB-2016-0082

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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	\$	28.81
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$	(0.43)
Distribution Volumetric Rate	\$/kWh	0.0109
Low Voltage Service Rate	\$/kWh	0.0009
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kWh	(0.0002)
Rate Rider for Application of Tax Change – in effect until the effective date of the next Cost of Service based Rate Order	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person;
“account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;
“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;
“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;
“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;
but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

i. the dwelling to which the account relates is heated primarily by electricity;
ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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	\$	49.98
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$	(0.74)
Distribution Volumetric Rate	\$/kWh	0.0156
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kWh	(0.0003)
Rate Rider for Application of Tax Change – in effect until the effective date of the next Cost of Service based Rate Order	\$/kWh	0.0001
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	245.55
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$	(3.61)
Distribution Volumetric Rate	\$/kW	3.9602
Low Voltage Service Rate	\$/kW	0.3050
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(0.0583)
Low Voltage Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(0.0030)
Rate Rider for Application of Tax Change – in effect until the effective date of the next Cost of Service based Rate Order	\$/kW	0.0211
Retail Transmission Rate – Network Service Rate	\$/kW	2.5454
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2385

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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	\$	15.49
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$	(0.22)
Distribution Volumetric Rate	\$/kWh	0.0087
Low Voltage Service Rate	\$/kWh	0.0008
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kWh	(0.0001)
Rate Rider for Application of Tax Change – in effect until the effective date of the next Cost of Service based Rate Order	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0063
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0031

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are unmetered lighting load supplied to a sentinel light. 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.

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	\$	6.53
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$	(0.09)
Distribution Volumetric Rate	\$/kW	19.4330
Low Voltage Service Rate	\$/kW	0.2407
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(0.2862)
Low Voltage Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(0.0024)
Rate Rider for Application of Tax Change – in effect until the effective date of the next Cost of Service based Rate Order	\$/kW	0.2079
Retail Transmission Rate – Network Service Rate	\$/kW	1.9294
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9774

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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)	\$	1.97
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$	(0.03)
Distribution Volumetric Rate	\$/kW	7.4269
Low Voltage Service Rate	\$/kW	0.2358
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(0.1094)
Low Voltage Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(0.0024)
Rate Rider for Application of Tax Change – in effect until the effective date of the next Cost of Service based Rate Order	\$/kW	0.0655
Retail Transmission Rate – Network Service Rate	\$/kW	1.9197
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9575

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board, and provided electricity by means of Norfolk Power Distribution Inc.'s distribution facilities. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service

APPLICATION

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

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

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

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)	\$	616.86
Rate Rider per Acquisition Agreement – effective until September 7, 2019	\$/kW	(9.09)
Retail Transmission Rate – Network Service Rate	\$/kW	0.0000
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.0000

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
----------------	----	------

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (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)	\$	30.00
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	\$	30.00
Collection of account charge – no disconnection – after regular hours	\$	165.00
Disconnect/reconnect at meter – during regular hours	\$	65.00
Disconnect/reconnect at meter – after regular hours	\$	185.00
Disconnect/reconnect at pole – during regular hours	\$	185.00
Disconnect/reconnect at pole – after regular hours	\$	415.00
Install/remove load control device – during regular hours	\$	65.00
Install/remove load control device – after regular hours	\$	185.00

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

Other

Service call – customer-owned equipment	\$	30.00
Service call – after regular hours	\$	165.00
Specific charge for access to the power poles – per pole/year (with the exception of wireless attachments)	\$	22.35

Hydro One Networks Inc.
Former Norfolk Power Distribution Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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
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	1.0564
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0564
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0464
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0464

Hydro One Networks Inc.

Former Haldimand County Hydro Inc. Service Area

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0082

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to a customer's main place of abode and may include additional buildings served through the same meter, provided they are not rental income units. Residential includes Urban, Suburban and Farm customer's premises which can be occupied on a year-round and seasonal basis. Farm applies to properties actively engaged in agricultural production as defined by Statistics Canada. These premises must be supplied from a single phase primary line. The farm definition does not include tree, sod, or pet farms. Services to year-round pumping stations or other ancillary services remote from the main farm shall be classed as farm. 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	\$	24.47
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$	(0.24)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0149
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kWh	(0.0002)
Rate Rider for Application of CGAAP Accounting Changes – effective until April 30, 2019	\$/kWh	(0.0015)
Funding Adder for Renewable Energy Generation – in effect until the effective date of the next cost of service based rate order	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0103)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0017
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0054

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person;

“account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;

“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;

(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;

but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or

(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

General Service does include farms supplied from polyphase primary lines. General Service includes commercial, industrial, educational, administrative, auxiliary and government services. It also includes combination services where a variety of uses are made of the service by the owner of one property. This classification applies to a non-residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	26.94
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$	(0.27)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0190
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kWh	(0.0002)
Rate Rider for Application of CGAAP Accounting Changes – effective until April 30, 2019	\$/kWh	(0.0010)
Funding Adder for Renewable Energy Generation – in effect until the effective date of the next cost of service based rate order	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0103)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0017
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0050

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION

General Service does include farms supplied from polyphase primary lines. General Service includes commercial, industrial, educational, administrative, auxiliary and government services. It also includes combination services where a variety of uses are made of the service by the owner of one property. This classification applies to a non-residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

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	\$	83.61
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$	(0.84)
Distribution Volumetric Rate	\$/kW	3.9339
Low Voltage Service Rate	\$/kW	0.1550
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kW	(0.0393)
Rate Rider for Application of CGAAP Accounting Changes – effective until April 30, 2019	\$/kW	(0.1394)
Funding Adder for Renewable Energy Generation – in effect until the effective date of the next cost of service based rate order	\$/kW	0.0195
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	(0.1440)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017 Applicable only for Non-Wholesale Market Participants	\$/kW	(3.6515)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0017
Retail Transmission Rate – Network Service Rate	\$/kW	2.5038
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.1172

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	19.51
Rate Rider per Hydro One Networks' Acquisition Agreement (per connection) – effective until June 30, 2020	\$	(0.20)
Distribution Volumetric Rate	\$/kWh	0.0025
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kWh	(0.00003)
Rate Rider for Application of CGAAP Accounting Changes – effective until April 30, 2019	\$/kWh	(0.0015)
Funding Adder for Renewable Energy Generation – in effect until the effective date of the next cost of service based rate order	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kWh	(0.0104)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0017
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0050

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an account that is an unmetered lighting load supplied to a sentinel light. (Metered sentinel lighting is captured under the consumption of the principal service.) The consumption for these customers is assumed to have the same hourly consumption load profile as for Street Lighting. 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 (per connection)	\$	14.23
Rate Rider per Hydro One Networks' Acquisition Agreement (per connection) – effective until June 30, 2020	\$	(0.14)
Distribution Volumetric Rate	\$/kW	36.7261
Low Voltage Service Rate	\$/kW	0.1099
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kW	(0.3673)
Rate Rider for Application of CGAAP Accounting Changes – effective until April 30, 2019	\$/kW	(4.1655)
Funding Adder for Renewable Energy Generation – in effect until the effective date of the next cost of service based rate order	\$/kW	0.6224
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	(3.7412)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0017
\Retail Transmission Rate – Network Service Rate	\$/kW	1.8176
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5528

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	5.70
Rate Rider per Hydro One Networks' Acquisition Agreement (per connection) – effective until June 30, 2020	\$	(0.06)
Distribution Volumetric Rate	\$/kW	14.5882
Low Voltage Service Rate	\$/kW	0.1130
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kW	(0.1459)
Rate Rider for Application of CGAAP Accounting Changes – effective until April 30, 2019	\$/kW	(1.4430)
Funding Adder for Renewable Energy Generation – in effect until the effective date of the next cost of service based rate order	\$/kW	0.2152
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	(3.7131)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017		
Applicable only for Non-RPP Customers	\$/kWh	0.0017
Retail Transmission Rate – Network Service Rate	\$/kW	1.8085
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5210

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION FOR HYDRO ONE NETWORKS INC.

This classification applies to Hydro One Networks Inc., an electricity distributor licensed by the Ontario Energy Board, and provided electricity by means of Haldimand County Hydro Inc.'s distribution facilities. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	464.17
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$	(4.64)
Distribution Wheeling Service Rate	\$/kW	1.4304
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until June 30, 2020	\$/kW	(0.0143)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017	\$/kW	1.3644
Rate Rider for Disposition of Deferral/Variance Accounts (2017) – effective until December 31, 2017 Applicable only for Non-Wholesale Market Participants	\$/kW	(1.7307)
Rate Rider for Disposition of Global Adjustment Account (2017) – effective until December 31, 2017 Applicable only for Non-RPP Customers	\$/kWh	0.0033
Retail Transmission Rate – Network Service Rate	\$/kW	2.9981
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.6509

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
----------------	----	------

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

Legal letter charge	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/reconnect charge – at meter during regular hours	\$	65.00
Disconnect/reconnect charge - at meter after regular hours	\$	185.00
Disconnect/reconnect at pole – during regular hours	\$	185.00
Disconnect/reconnect at pole – after regular hours	\$	415.00
Install/remove load control device – during regular hours	\$	65.00
Install/remove load control device – after regular hours	\$	185.00

Other

Temporary service install & remove – overhead – no transformer	\$	500.00
Specific Charge for Access to the Power Poles – per pole/year (with the exception of wireless attachments)	\$	22.35
Bell Canada Pole Rentals	\$	18.08
Norfolk Pole Rentals – Billed	\$	28.61

Hydro One Networks Inc.
Former Haldimand County Hydro Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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
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	1.0655
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0548
Total Loss Factor – Embedded Distributor – Hydro One Networks Inc.	1.0288

Hydro One Networks Inc.

Former Woodstock Hydro Services Inc. Service Area

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0082

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. 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	\$	19.77
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$	(0.20)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Smart Meter Incremental Revenue Requirement – in effect until the effective date of the next cost of service based rate order	\$	0.64
Distribution Volumetric Rate	\$/kWh	0.0133
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$/kWh	(0.0001)
Rate Rider for Recovery of Incremental Capital – in effect until the effective date of the next cost of service based rate order	\$/kWh	0.0008
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0056

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

“Aboriginal person” includes a person who is a First Nations person, a Métis person or an Inuit person;
“account-holder” means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;
“electricity-intensive medical device” means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;
“household” means the account-holder and any other people living at the accountholder’s service address for at least six months in a year, including people other than the account-holder’s spouse, children or other relatives;
“household income” means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;
but does not include account-holders in Class E.
OESP Credit \$ (30.00)

Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
but does not include account-holders in Class F.
OESP Credit \$ (34.00)

Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
but does not include account-holders in Class G.
OESP Credit \$ (38.00)

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
(c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
(b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
(c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

This classification applies to a non residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	25.19
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$	(0.25)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Smart Meter Incremental Revenue Requirement – in effect until the effective date of the next cost of service based rate order	\$	4.24
Distribution Volumetric Rate	\$/kWh	0.0145
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$/kWh	(0.0002)
Rate Rider for Recovery of Incremental Capital – in effect until the effective date of the next cost of service based rate order	\$/kWh	0.0007
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0065
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	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE 50 to 999 kW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	139.96
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$	(1.40)
Distribution Volumetric Rate	\$/kW	2.5777
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$/kW	(0.0258)
Rate Rider for Recovery of Incremental Capital – in effect until the effective date of the next cost of service based rate order	\$/kW	0.3251
Retail Transmission Rate – Network Service Rate	\$/kW	2.7931
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.2465

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

GENERAL SERVICE GREATER THAN 1,000 kW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 1,000 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.

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	\$	518.85
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$	(5.19)
Distribution Volumetric Rate	\$/kW	2.7398
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$/kW	(0.0274)
Rate Rider for Recovery of Incremental Capital – in effect until the effective date of the next cost of service based rate order	\$/kW	0.4795
Retail Transmission Rate – Network Service Rate	\$/kW	2.7931
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.2465

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	10.53
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$	(0.11)
Distribution Volumetric Rate	\$/kWh	0.0122
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$/kWh	(0.0001)
Rate Rider for Recovery of Incremental Capital – in effect until the effective date of the next cost of service based rate order	\$/kWh	0.0008
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0065
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	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

Standard Supply Service – Administrative Charge (if applicable)

\$

EB-2016-0082
0.25

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	3.09
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$	(0.03)
Distribution Volumetric Rate	\$/kW	12.4552
Rate Rider per Hydro One Networks' Acquisition Agreement – effective until October 30, 2020	\$/kW	(0.1246)
Rate Rider for Recovery of Incremental Capital – in effect until the effective date of the next cost of service based rate order	\$/kW	0.2187
Retail Transmission Rate – Network Service Rate	\$/kW	2.0614
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6581

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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
----------------	----	------

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

Notification charge	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge / change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Statement of account	\$	15.00
Account history	\$	15.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/reconnect at meter – during regular hours	\$	65.00
Disconnect/reconnect at meter – after regular hours	\$	185.00
Install / remove load control device – during regular hours	\$	65.00
Install / remove load control device – after regular hours	\$	185.00

Other

Special meter reads	\$	30.00
Specific Charge for Access to the Power Poles – per pole/year (with the exception of wireless attachments)	\$	22.35

Hydro One Networks Inc.
Former Woodstock Hydro Services Inc. Service Area
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2017

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

EB-2016-0082

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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
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	1.0431
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0326
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0044

SPECIFIC SERVICE CHARGES

1. INTRODUCTION

Specific Service Charges are charges for specific services over and above the standard level of service as defined by the Distribution System Code. Each miscellaneous service has an OEB-approved fixed rate and is charged to a customer based on a customer's request or as the result of a customer's action or inaction that would impose a cost on Hydro One.

In its last distribution rate filing (EB-2013-0416), Hydro One proposed rates for miscellaneous services in Exhibit G2, Tab 5, Schedule 1 of that application. The rationale was that regular distribution rates only recover costs of providing standard distribution services. In its Decision issued on March 12, 2015 in relation to EB-2013-0416, the OEB directed Hydro One to file with this Application a study assessing whether its Specific Service Charges reflect its underlying costs to perform those services ("the Time Study") and propose changes accordingly. Hydro One has completed the Time Study and proposes the new charges detailed in this Exhibit.

2. THE STUDY

In response to the OEB's direction, with the support of Elenchus Research Associates Inc., Hydro One completed a year-long time study of the tasks involved in providing miscellaneous services and the associated costs, including labour rates and burdens, fleet costs, material costs and pass-through charges. The charges studied included those included in Chapter 11 of the OEB's *2006 Electricity Distribution Rate Handbook* (the "Rate Handbook").

Hydro One used the approaches found in Chapter 11 of the Rate Handbook to define the level of the charge to bill the customer. The Study details its context and methodology and is included as Attachment 1 to this Exhibit.

3. THE PROPOSED SPECIFIC SERVICE CHARGES

A summary of all the proposed 2018-2022 charges can be found in Table 1 of this Exhibit (Schedule 11-1 of the Rate Handbook). Descriptions of the miscellaneous services (as found in Attachment 1 of this Exhibit) and details of the methodology used to determine the charges are provided in Appendices A and B to this Exhibit. Except where identified, the proposed charges align with the associated labour and materials identified in the Time Study.

In Appendices A and B, the Specific Service Charge for each service is based on average elapsed hours required to carry out the work, as well as burdened labour rates, vehicle costs, and material. Refer to Exhibit E1, Tab 1, Schedule 2, and Table 2 of this Exhibit (“Capital Contributions”) for a summary of the historical volumes along with 2018-2022 forecasted volumes and projected revenues for each service.

Appendix A: Charges listed in Chapter 11 of the 2006 Rate Handbook and updated as per the Time Study.

Appendix B: Hydro One-specific charges, primarily calculated based on labour, as per the Time Study.

Appendix C: Hydro One-specific charges, calculated as per previously approved OEB methodology.

- 1 For the services listed in Appendix C, Specific Service Charges are determined by
- 2 methodologies that take into account the value of assets, volumes of those assets and the
- 3 costs associated with the maintenance of those assets.

Table 1: Schedule 11-1 Specific Service Charges: Standard Amounts

(* indicates charges which reflect the average cost over the forecast period)

OEB Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2018 Charge	2019 Charge	2020 Charge	2021 Charge	2022 Charge
1	Arrears Certificate	As described in Time Study (See Attachment 1)	N/A	N/A	N/A	N/A	N/A	N/A
2	Statement of Account*		\$15.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
3	Pulling post-dated cheques		\$15.00	N/A	N/A	N/A	N/A	N/A
4	Duplicate Invoices for Previous Billing*		\$15.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
5	Request for Other Billing Information*		\$15.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
6a	Easement Letter – Letter Request		\$15.00	\$86.90	\$88.29	\$89.67	\$91.12	\$92.51
6b	Easement Letter - Web Request		\$15.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00
7	Income Tax Letter*		\$15.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
8	Notification Charge		\$15.00	N/A	N/A	N/A	N/A	N/A
9	Account History*		\$15.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
10	Credit Reference/Credit Check *		\$15.00 plus Credit Agency Costs	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
11	Returned Cheque Charge*		\$15.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00
12	Charge to Certify Cheque		\$15.00	N/A	N/A	N/A	N/A	N/A
13	Legal Letter Change		\$15.00	N/A	N/A	N/A	N/A	N/A

OEB Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2018 Charge	2019 Charge	2020 Charge	2021 Charge	2022 Charge
14	Account Set Up Charge/Change of Occupancy Charge (Plus Credit Agency Costs, if applicable)*		\$30.00	\$38.00	\$38.00	\$38.00	\$38.00	\$38.00
15	Special Meter Reads*		\$30.00	\$90.00	\$90.00	\$90.00	\$90.00	\$90.00
16	Collection of Account Charge – No Disconnection*		\$30.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
17	Collection of Account Charge – No Disconnection – After Regular Hours		\$165.00	N/A	N/A	N/A	N/A	N/A
18 & 19	Collection – Disconnect/Reconnect at Meter & Install/Remove Load Control Device – During Regular Hours*		\$65.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00
20 & 21	Collection – Disconnect/Reconnect at Meter & Install/Remove Load Control Device – After Regular Hours*		\$185.00	\$430.00	\$430.00	\$430.00	\$430.00	\$430.00
22	Collection – Disconnect/Reconnect at Pole – During Regular Hours*		\$185.00	\$320.00	\$320.00	\$320.00	\$320.00	\$320.00
23	Collection – Disconnect/Reconnect at Pole – After Regular Hours*		\$415.00	\$850.00	\$850.00	\$850.00	\$850.00	\$850.00
24	Meter Dispute Charge – Measurement Canada*		\$30.00	\$290.00 plus Measurement Canada fees	\$290.00 plus Measurement Canada fees	\$290.00 plus Measurement Canada fees	\$290.00 plus Measurement Canada fees	\$290.00 plus Measurement Canada fees
25	Service Call – Customer Owned Equipment – During Regular Hours		\$30.00	\$210.00	\$210.00	\$210.00	\$210.00	\$210.00
26	Service Call – Customer Owned Equipment – After Regular Hours		\$165.00	\$775.00	\$775.00	\$775.00	\$775.00	\$775.00

OEB Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2018 Charge	2019 Charge	2020 Charge	2021 Charge	2022 Charge
27	Temporary Service Install & Remove – Overhead – No Transformer		\$500.00	N/A	N/A	N/A	N/A	N/A
28	Temporary Service Install & Remove – Underground – No Transformer		\$300.00	N/A	N/A	N/A	N/A	N/A
29	Temporary Service Install & Remove – Overhead – With Transformer		\$1,000.00	N/A	N/A	N/A	N/A	N/A
30	Specific Charge for Access to Power Poles – Telecom		\$41.28	\$43.99	\$44.60	\$45.22	\$45.84	\$46.47
31a	Vacant Premise – Move in with Reconnect of Electrical Service at Meter*		NEW	\$95.00	\$95.00	\$95.00	\$95.00	\$95.00
31b	Vacant Premise – Move in with Reconnect of Electrical Service at Pole		NEW	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00
32	Reconnect Completed after Regular Hours (Customer/Contract Driven) – at Meter*		NEW	\$245.00	\$245.00	\$245.00	\$245.00	\$245.00
33	Reconnect Completed after Regular Hours (Customer/Contract) Driven) – at Pole*		NEW	\$475.00	\$475.00	\$475.00	\$475.00	\$475.00
34 & 35	Additional Service Layout Fee – Basic/Complex (more than one hour)		\$635/\$845	\$561.08	\$569.51	\$577.91	\$586.72	\$595.20
36	Pipeline Crossings		\$2,540.00	\$2,363.12	\$2,396.75	\$2,430.28	\$2,465.43	\$2,499.29
37	Water Crossings		\$3,225.00	\$3,522.56	\$3,570.65	\$3,618.57	\$3,668.82	\$3,717.21
38	Railway Crossings		\$6,095.00	\$4,690.71 plus Railway Feedthrough	\$4,760.48 plus Railway Feedthrough Costs	\$4,830.33 plus Railway Feedthrough	\$4,899.24 plus Railway Feedthrough	\$4,965.66 plus Railway Feedthrough

OEB Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2018 Charge	2019 Charge	2020 Charge	2021 Charge	2022 Charge
				Costs		Costs	Costs	Costs
39a	Overhead Line Staking Per Meter		\$4.95	\$4.17	\$4.24	\$4.30	\$4.36	\$4.42
39b	Underground Line Staking Per Meter		\$4.95	\$3.00	\$3.05	\$3.09	\$3.14	\$3.18
39c	Subcable Line Staking Per Meter		\$4.95	\$2.62	\$2.66	\$2.70	\$2.74	\$2.78
40	Central Metering – New Service <45 kW		\$120.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
41	Conversion to Central Metering <45 kW		\$1,035.00	\$1,534.07	\$1,553.47	\$1,572.92	\$1,593.19	\$1,612.75
42	Conversion to Central Metering >=45 kW		\$915.00	\$1,434.07	\$1,453.47	\$1,472.92	\$1,493.19	\$1,512.75
43	Tingle/Stray Voltage Test – excess of 4 hours, if customer equipment is defective		\$140.00	N/A	N/A	N/A	N/A	N/A
44	Standby Administration Charge		N/A	N/A	N/A	N/A	N/A	N/A
45a	Connection Impact Assessments – Net Metering		\$5,620.00	\$3,146.11	\$3,192.85	\$3,239.70	\$3,285.66	\$3,329.86
45b	Connection Impact Assessments – Embedded LDC Generators		\$5,620.00	\$2,825.21	\$2,873.57	\$2,921.93	\$2,960.07	\$2,996.97
45c	Connection Impact Assessments – Small Projects <= 500 kW		\$5,620.00	\$3,216.36	\$3,266.07	\$3,315.83	\$3,361.46	\$3,405.38
45d	Connection Impact Assessments – Small Projects <= 500 kW, Simplified		\$5,620.00	\$1,941.06	\$1,971.27	\$2,001.42	\$2,028.44	\$2,054.41
45e	Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects		\$12,055.00	\$8,518.75	\$8,641.91	\$8,765.05	\$8,890.57	\$9,011.83
45f	Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – TS Review for LDC Capacity Allocation Required Projects		\$12,055.00	\$5,637.93	\$5,727.89	\$5,817.80	\$5,895.15	\$5,969.89

OEB Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2018 Charge	2019 Charge	2020 Charge	2021 Charge	2022 Charge
46a	Retailer Services – Establishing Service Agreements (rates as per the Handbook)		\$100/agreement/ Retailer +\$20/month/ Retailer +\$0.50/month/ customer + other	\$100/agreement/ Retailer +\$20/month/ Retailer +\$0.50/month/ customer + other	\$100/agreement/ Retailer +\$20/month/Retailer +\$0.50/month/ customer + other	\$100/agreement/ Retailer +\$20/month/ Retailer +\$0.50/month/ customer + other	\$100/agreement/ Retailer +\$20/month/ Retailer +\$0.50/month/ customer + other	\$100/agreement/ Retailer +\$20/month/ Retailer +\$0.50/month/ customer + other
46b	Retailer Services – Other (includes Bill Ready for Retailers and Service Transaction Requests) as per the Handbook		\$0.30/month/ customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/ customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/ customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/ customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/ customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/ customer + \$0.25/request for request fee + \$0.50/request for process fee
47	Specific Charge for Access to Power Poles – LDC		\$47.82	\$76.46	\$77.53	\$78.60	\$79.69	\$80.78
48	Specific Charge for Access to Power Poles – Generators		\$47.82	\$76.46	\$77.53	\$78.60	\$79.69	\$80.78
49	Specific Charge for Access to Power Poles – Municipal Streetlights		\$2.04	\$2.04	\$2.04	\$2.04	\$2.04	\$2.04
50	Sentinel Light Rental Charge		\$9.51	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
51	Sentinel Light Pole Rental Charge		\$4.15	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00
52	Late Payment Charge		1.5%/month	1.5%/month	1.5%/month	1.5%/month	1.5%/month	1.5%/month

1

Table 2: Capital Contributions

Rate Code	Description					Bridge Year		Test Years									
		2013	2014	2015	2016	2017		2018		2019		2020		2021		2022	
		Volume	Volume	Volume	Volume	Volume Forecast	Proposed Capital	Volume Forecast	Proposed Capital	Volume Forecast	Proposed Capital	Volume Forecast	Proposed Capital	Volume Forecast	Proposed Capital	Volume Forecast	Proposed Capital
34 & 35	Additional Service Layout Fee – Basic/Complex (More than One Hour)	N/A	N/A	N/A	141	144	\$92,649.60	144	\$80,795.52	144	\$82,009.44	144	\$83,219.04	144	\$84,487.68	144	\$85,708.80
36	Crossing Application – Pipeline	N/A	N/A	N/A	0	1	\$2,540.00	1	\$2,363.12	1	\$2,396.75	1	\$2,430.28	1	\$2,465.43	1	\$2,499.29
37	Crossing Application – Water	N/A	N/A	N/A	0	1	\$3,225.00	1	\$3,522.56	1	\$3,570.65	1	\$3,618.57	1	\$3,668.82	1	\$3,717.21
38	Crossing Application – Railroad (Plus Railway Feedthrough Costs)	33	N/A	N/A	26	30	\$179,802.50	30	\$134,203.47	30	\$133,099.87	30	\$134,936.54	30	\$136,785.01	30	\$138,672.72
39a	Overhead Line Staking – per meter	81,200	86,800	137,900	84,700	97,650	\$483,367.50	97,650	\$407,200.50	97,650	\$414,036.00	97,650	\$419,895.00	97,650	\$425,754.00	97,650	\$431,613.00
39b	Underground Line Staking – per meter	34,800	37,200	59,100	36,300	41,850	\$207,157.50	41,850	\$125,550.00	41,850	\$127,642.50	41,850	\$129,316.50	41,850	\$131,409.00	41,850	\$133,083.00
39c	Subcable Line Staking – per meter	6,650	4,150	8,430	6,230	6,365	\$31,506.75	6,365	\$16,676.30	6,365	\$16,930.90	6,365	\$17,185.50	6,365	\$17,440.10	6,365	\$17,694.70
40	Central Metering – New service < 45 kW	*	*	*	*	796	\$95,520.00	796	\$79,600.00	796	\$79,600.00	796	\$79,600.00	796	\$79,600.00	796	\$79,600.00
41	Conversion to Central Metering < 45 kW	*	*	*	*	824	\$865,200.00	824	\$1,264,077.70	824	\$1,280,063.05	824	\$1,296,082.66	824	\$1,312,791.18	824	\$1,328,907.21
42	Conversion to Central Metering >= 45 kW	*	*	*	*	53	\$49,290.00	53	\$76,005.97	53	\$77,034.15	53	\$78,064.54	53	\$79,139.24	53	\$80,175.83
	Total Capital Contributions						\$1,000,248.85		\$2,189,995.14		\$2,216,383.32		\$2,244,348.63		\$2,273,540.46		\$2,301,671.76

2 *Data unavailable.

APPENDIX A

The charges described in this section are listed in the Rate Handbook. Most of these charges are calculated based on the labour required to perform the work, as per the Time Study.

1. SPECIFIC SERVICE CHARGES: STANDARD FORMULAE, UPDATED AMOUNTS

1.1 SPECIFIC SERVICE CHARGES IN SCHEDULE 11-2(A) OF THE RATE HANDBOOK

Hydro One determined the costs for these services using the OEB-approved methodology, adjusting for the labour hours and materials reported in the Time Study. It found that the costs to provide some of these services were higher or lower than the charges prescribed by the Handbook.

Hydro One provides a number of customer services described in Appendix A and Schedule 11-2 of the Rate Handbook. For these services, identified by the OEB rate codes 1 to 24 (excluding 6a), Hydro One proposes to charge customers flat fees over the 2018-2022 period in order to align with Hydro One's customer-friendly policies and avoid customer confusion. Furthermore, implementing changes to the following systems and processes on an annual basis would be costly: Hydro One's Customer Information System ("CIS"), customer correspondence, Hydro One's website and self-service portal, agent training, and internal work instructions.

In each case, the proposed fee is an average of the cost to provide the service over the 2018-2022 period, as indicated by the Time Study, rounded down to the nearest

dollar. For clarity, external revenue projections (as outlined in Exhibit E1, Tab 1, Schedule 2) are based on the actual cost to provide the service as indicated by the Time Study. As such, any corresponding revenue impacts would be borne by Hydro One and would not affect ratepayers. No cross-subsidy from ratepayers would occur.

Hydro One does not offer the following services identified in the Rate Handbook for the reasons indicated below.

1. **Arrears Certificate (Rate Code 1)** – Prior to 2005 and market restructuring, Ontario Hydro recovered unpaid final bill arrears from property owners through the municipal property tax roll under the *Public Utilities Act*. Market restructuring brought about the corporatization of the distribution sector and removed this tool to collect arrears. The former practice was to provide an "arrears certificate" to the purchaser's solicitor to advise of any registered hydro liens and a final bill estimate for a hold back of funds if required. Hydro One no longer offers this service.
2. **Pulling Post-Dated Cheques (Rate Code 3)** - Customers may elect to send Hydro One post-dated cheques at the beginning of the year. Hydro One's systems are unable to retrieve or pull post-dated cheques. Therefore, Hydro One does not offer this service, and customers must issue a stop payment on the cheque(s).
3. **Notification Charge (Rate Code 8)** - Hydro One is unable to ascertain the definition of this service and has never charged this fee.
4. **Charge to Certify Cheque (Rate Code 12)** – Hydro One does not perform this service.
5. **Collection of Account Charge – No Disconnection – After Regular Hours (Rate Code 17)** - Hydro One does not perform collection tasks after regular hours. The cost of overtime to perform this service after regular hours would add to the underlying costs and may add further hardship to a customer.

1 **1.1.1 STATEMENT OF ACCOUNT (RATE CODE 2)**

2

3 Statements of account are used to satisfy customer requests for support documentation for
4 income tax purposes and to satisfy requests for other billing information.

1

Table 1: Statement of Account

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/ Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/ Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	2	Statement of Account	Direct Labour - Clerical	\$80.08	0.11	-	\$8.81	\$4.72		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	53.60%					\$13.53					\$0.80	\$14.33	\$13.00
2019	2	Statement of Account	Direct Labour - Clerical	\$81.00	0.11	-	\$8.91	\$4.84		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.30%					\$13.75					\$0.80	\$14.55	\$13.00
2020	2	Statement of Account	Direct Labour - Clerical	\$81.96	0.11	-	\$9.02	\$4.95		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.90%					\$13.97					\$0.80	\$14.77	\$13.00
2021	2	Statement of Account	Direct Labour - Clerical	\$82.92	0.11	-	\$9.12	\$5.07		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$14.19					\$0.80	\$14.99	\$13.00
2022	2	Statement of Account	Direct Labour - Clerical	\$84.20	0.11	-	\$9.26	\$5.15		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$14.41					\$0.80	\$15.21	\$13.00

1 **1.1.2 DUPLICATE INVOICES FOR PREVIOUS BILLING (RATE CODE**
2 **4)**

3

4 A customer may request a duplicate invoice to replace a lost or misplaced invoice or to
5 satisfy the request for other billing information.

1 **Table 2: Duplicate Invoices for Previous Billing**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	4	Duplicate Invoices for Previous Billing	Direct Labour - Clerical	\$80.08	0.10		\$8.01	\$4.29		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	53.60%					\$12.30					\$0.80	\$13.10	\$13.00
2019	4	Duplicate Invoices for Previous Billing	Direct Labour - Clerical	\$81.00	0.10		\$8.10	\$4.40		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.30%					\$12.50					\$0.80	\$13.30	\$13.00
2020	4	Duplicate Invoices for Previous Billing	Direct Labour - Clerical	\$81.96	0.10		\$8.20	\$4.50		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.90%					\$12.70					\$0.80	\$13.50	\$13.00
2021	4	Duplicate Invoices for Previous Billing	Direct Labour - Clerical	\$82.92	0.10		\$8.29	\$4.61		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$12.90					\$0.80	\$13.70	\$13.00
2022	4	Duplicate Invoices for Previous Billing	Direct Labour - Clerical	\$84.20	0.10		\$8.42	\$4.68		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$13.10					\$0.80	\$13.90	\$13.00

1 **1.1.3 REQUEST FOR OTHER BILLING INFORMATION (RATE CODE**
2 **5)**

3

4 A customer may request other billing information for a variety of reasons.

5

1

Table 3: Request for Other Billing Information

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	5	Request for Other Billing Information	Direct Labour - Clerical	\$80.08	0.11		\$8.81	\$4.72		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	53.60%					\$13.53					\$0.80	\$14.33	\$13.00
2019	5	Request for Other Billing Information	Direct Labour - Clerical	\$81.00	0.11		\$8.91	\$4.84		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.30%					\$13.75					\$0.80	\$14.55	\$13.00
2020	5	Request for Other Billing Information	Direct Labour - Clerical	\$81.96	0.11		\$9.02	\$4.95		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.90%					\$13.97					\$0.80	\$14.77	\$13.00
2021	5	Request for Other Billing Information	Direct Labour - Clerical	\$82.92	0.11		\$9.12	\$5.07		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$14.19					\$0.80	\$14.99	\$13.00
2022	5	Request for Other Billing Information	Direct Labour - Clerical	\$84.20	0.11		\$9.26	\$5.15		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$14.41					\$0.80	\$15.21	\$13.00

1 **1.1.4 EASEMENT LETTERS (RATE CODE 6)**

2
3 An easement or right-of-way is an agreement that confers on an individual, company or
4 municipality the right to use a landowner's property in some way. While these agreements
5 grant rights, they also have the effect of partially restricting an owner's use of the affected
6 portions of land. The holder (beneficiary or grantee) of an easement or right-of-way holds
7 certain rights regarding usage of the property described in the agreement. The holder's rights
8 of use are described and restricted by the agreement. The landowner continues to own the
9 land and has only given up defined rights on the portion of land used for the right-of-way or
10 easement. The Hydro One Easement / Real Estate department deals with payments and
11 issues related to new easement and unregistered easements only. Search for unregistered
12 easements can be conducted on-line or by sending a letter of request to Hydro One with a
13 legal description of the property in question.

14
15 **1.1.4.1 EASEMENT LETTER – LETTER REQUESTS (RATE**
16 **CODE 6A)**

17
18 Based on the Time Study, the proposal is to increase the easement letter charge (for when the
19 request is made by letter to the Real Estate department) to the applicable rates as seen in
20 Table 4.

1 **Table 4: Easement Letters – Letter Requests**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/ Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/ Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	6a	Easement Letters - Letter Requests	Direct Labour - Clerical	\$80.08	0.70		\$56.06	\$30.05		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	53.60%					\$86.10					\$0.80	\$86.90	\$86.90
2019	6a	Easement Letters - Letter Requests	Direct Labour - Clerical	\$81.00	0.70		\$56.70	\$30.79		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.30%					\$87.49					\$0.80	\$88.29	\$88.29
2020	6a	Easement Letters - Letter Requests	Direct Labour - Clerical	\$81.96	0.70		\$57.37	\$31.50		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.90%					\$88.87					\$0.80	\$89.67	\$89.67
2021	6a	Easement Letters - Letter Requests	Direct Labour - Clerical	\$82.92	0.70		\$58.04	\$32.27		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$90.32					\$0.80	\$91.12	\$91.12
2022	6a	Easement Letters - Letter Requests	Direct Labour - Clerical	\$84.20	0.70		\$58.94	\$32.77		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$91.71					\$0.80	\$92.51	\$92.51

1.1.4.2 EASEMENT LETTERS – WEB REQUESTS (RATE CODE 6B)

Hydro One currently charges \$25 for web-based easement searches to cover the costs of web development, maintenance, data updates (i.e. as utilities are acquired), planned enhancements, e-billing services and credit card fees. Hydro One has continued to charge the historical fee of \$25 that Ontario Hydro had been charging for easement letters irrespective of whether it was an easement letter request or self-initiated web inquiry. This provides parties with an equal cost for inquiries irrespective of source option. This fee did not reflect either the true cost of responding to letter inquiries, which based on the Time Study should be a charge of approximately \$90, or the cost to develop the web application.

The initial development cost of the web application was approximately \$500,000 with an annual maintenance cost of \$10,000 to \$20,000 for database management. On a present value basis and considering future enhancements of approximately \$100,000, such as a GIS search interface and expanded payment capabilities, the costs are not estimated to be fully recovered until 2022 at the present rate of \$25 per inquiry. More so, the future enhancements in 2018 are considered key to the forecast for easement letters in the forecast period.

1.1.5 INCOME TAX LETTERS (RATE CODE 7)

An income tax letter is usually used to satisfy customer requests for support documentation for income tax purposes.

1

Table 5: Income Tax Letters

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	7	Income Tax Letters	Direct Labour - Clerical	\$80.08	0.10		\$8.01	\$4.29		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	53.60%					\$12.30					\$0.80	\$13.10	\$13.00
2019	7	Income Tax Letters	Direct Labour - Clerical	\$81.00	0.10		\$8.10	\$4.40		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.30%					\$12.50					\$0.80	\$13.30	\$13.00
2020	7	Income Tax Letters	Direct Labour - Clerical	\$81.96	0.10		\$8.20	\$4.50		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.90%					\$12.70					\$0.80	\$13.50	\$13.00
2021	7	Income Tax Letters	Direct Labour - Clerical	\$82.92	0.10		\$8.29	\$4.61		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$12.90					\$0.80	\$13.70	\$13.00
2022	7	Income Tax Letters	Direct Labour - Clerical	\$84.20	0.10		\$8.42	\$4.68		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$13.10					\$0.80	\$13.90	\$13.00

1 **1.1.6 ACCOUNT HISTORY (RATE CODE 9)**

2

3 Customer requests for account history only occur when there has been a change in the
4 Hydro One billing system. Customer account information for customers billed through
5 Hydro One's old retail customer information system until mid-1998 has been archived to
6 Microfiche. Account history information for customers billed using the Customer
7 Service System after mid-1998, is archived in Hydro One's Heritage Data Library.

1

Table 6: Account History

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	9	Account History	Direct Labour - Clerical	\$80.08	0.11		\$8.81	\$4.72		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	53.60%					\$13.53					\$0.80	\$14.33	\$13.00
2019	9	Account History	Direct Labour - Clerical	\$81.00	0.11		\$8.91	\$4.84		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.30%					\$13.75					\$0.80	\$14.55	\$13.00
2020	9	Account History	Direct Labour - Clerical	\$81.96	0.11		\$9.02	\$4.95		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	54.90%					\$13.97					\$0.80	\$14.77	\$13.00
2021	9	Account History	Direct Labour - Clerical	\$82.92	0.11		\$9.12	\$5.07		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$14.19					\$0.80	\$14.99	\$13.00
2022	9	Account History	Direct Labour - Clerical	\$84.20	0.11		\$9.26	\$5.15		Material	\$0.80	1.00	\$0.80			
			Payroll Burden	55.60%					\$14.41					\$0.80	\$15.21	\$13.00

1 **1.1.7 CREDIT REFERENCE/CREDIT CHECK (RATE CODE 10)**

2

3 The fee for performing this specific service is charged when a customer requests a credit
4 reference letter from Hydro One, to be used to show other utilities that they are a
5 satisfactory credit risk. This may determine whether the customer's security deposit can
6 be waived or not.

1

Table 7: Credit Reference/Credit Check

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	10	Credit Reference/Credit Check	Direct Labour - Clerical	\$80.08	0.16		\$12.81	\$6.87								
			Payroll Burden	53.60%					\$19.68					\$0.00	\$19.68	\$13.00
2019	10	Credit Reference/Credit Check	Direct Labour - Clerical	\$81.00	0.16		\$12.96	\$7.04								
			Payroll Burden	54.30%					\$20.00					\$0.00	\$20.00	\$13.00
2020	10	Credit Reference/Credit Check	Direct Labour - Clerical	\$81.96	0.16		\$13.11	\$7.20								
			Payroll Burden	54.90%					\$20.31					\$0.00	\$20.31	\$13.00
2021	10	Credit Reference/Credit Check	Direct Labour - Clerical	\$82.92	0.16		\$13.27	\$7.38								
			Payroll Burden	55.60%					\$20.64					\$0.00	\$20.64	\$13.00
2022	10	Credit Reference/Credit Check	Direct Labour - Clerical	\$84.20	0.16		\$13.47	\$7.49								
			Payroll Burden	55.60%					\$20.96					\$0.00	\$20.96	\$13.00

1 **1.1.8 RETURNED CHEQUE CHARGE (RATE CODE 11)**

2

3 Hydro One charges customers a fee if insufficient funds are available in the account on
4 which the money was drawn. There are no other pass-through costs; the banks invoice
5 their fees directly to the customer.

1

Table 8: Returned Cheque

Charge Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	11	Returned Cheque Charge	Direct Labour - Clerical	\$80.08	0.06		\$4.80	\$2.58								
			Payroll Burden	53.60%					\$7.38					\$0.00	\$7.38	\$7.00
2019	11	Returned Cheque Charge	Direct Labour - Clerical	\$81.00	0.06		\$4.86	\$2.64								
			Payroll Burden	54.30%					\$7.50					\$0.00	\$7.50	\$7.00
2020	11	Returned Cheque Charge	Direct Labour - Clerical	\$81.96	0.06		\$4.92	\$2.70								
			Payroll Burden	54.90%					\$7.62					\$0.00	\$7.62	\$7.00
2021	11	Returned Cheque Charge	Direct Labour - Clerical	\$82.92	0.06		\$4.98	\$2.77								
			Payroll Burden	55.60%					\$7.74					\$0.00	\$7.74	\$7.00
2022	11	Returned Cheque Charge	Direct Labour - Clerical	\$84.20	0.06		\$5.05	\$2.81								
			Payroll Burden	55.60%					\$7.86					\$0.00	\$7.86	\$7.00

1 **1.1.9 LEGAL LETTER CHARGE (RATE CODE 13)**

2
3 Legal letters are processed for many reasons and may include the requirement for Hydro
4 One's legal department to do research into the matter. Hydro One proposes that actual
5 costs, based on time, equipment and materials, be charged for the performance of this
6 service.

7
8 **1.1.10 ACCOUNT SET UP CHARGE/CHANGE OF OCCUPANCY**
9 **CHARGE (RATE CODE 14)**

10
11 This charge is levied when a new account is set up or an account is transferred from one
12 person to another. A property owner or occupant requesting to open an account agrees to
13 be a Hydro One customer and assumes responsibility for distribution service charges
14 provided to the service address. This process is triggered by a Customer / Landlord
15 request for a Start / Transfer Contract via phone, fax or e-mail. A new account set up
16 charge applies to the new accounts and appears on the customer's first electricity bill.
17 This occurs when a customer is opening a new electricity account or moving from one
18 Hydro One property to another.

1

Table 9: Account Set Up Charge/Change of Occupancy Charge

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	14	Account Set Up Charge/Change of Occupancy Charge	Direct Labour - Clerical	\$80.08	0.30		\$24.02	\$12.88								
			Payroll Burden	53.60%					\$36.90					\$0.00	\$36.90	\$38.00
2019	14	Account Set Up Charge/Change of Occupancy Charge	Direct Labour - Clerical	\$81.00	0.30		\$24.30	\$13.19								
			Payroll Burden	54.30%					\$37.49					\$0.00	\$37.49	\$38.00
2020	14	Account Set Up Charge/Change of Occupancy Charge	Direct Labour - Clerical	\$81.96	0.30		\$24.59	\$13.50								
			Payroll Burden	54.90%					\$38.09					\$0.00	\$38.09	\$38.00
2021	14	Account Set Up Charge/Change of Occupancy Charge	Direct Labour - Clerical	\$82.92	0.30		\$24.88	\$13.83								
			Payroll Burden	55.60%					\$38.71					\$0.00	\$38.71	\$38.00
2022	14	Account Set Up Charge/Change of Occupancy Charge	Direct Labour - Clerical	\$84.20	0.30		\$25.26	\$14.04								
			Payroll Burden	55.60%					\$39.30					\$0.00	\$39.30	\$38.00

**1.1.11 SPECIAL METER READS - RETAILER REQUESTED OFF-
CYCLE READ (RATE CODE 15)**

Where a Service Transfer Request is made, a switch bill will be issued to the customer. This bill will be based on an actual meter read unless the Customer, Hydro One and the Retailer agree in writing to an alternative. The effective date of the service transfer shall be the next scheduled meter reading date unless a request is made for a special meter reading and Hydro One can accommodate the request. In these instances, Hydro One proposes to recover the cost of labour and material by implementing the charge in Table 10.

1

Table 10: Special Meter Reads (Retailer Requested Off-Cycle Read)

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	15	Special Meter Reads (retailer requested off-cycle read)	Direct Labour - Clerical	\$80.08	0.11		\$8.81	\$4.72	\$13.53	Small Vehicle Time	\$10.00	0.75	\$7.50			
			Direct Labour - Field Staff (MRDC)	\$60.55	0.75		\$45.41	\$24.34	\$69.75							
			Payroll Burden	53.60%					\$83.28					\$7.50	\$90.78	\$90.00
2019	15	Special Meter Reads (retailer requested off-cycle read)	Direct Labour - Clerical	\$81.00	0.11		\$8.91	\$4.84	\$13.75	Small Vehicle Time	\$10.00	0.75	\$7.50			
			Direct Labour - Field Staff (MRDC)	\$60.91	0.75		\$45.68	\$24.81	\$70.49							
			Payroll Burden	54.30%					\$84.24					\$7.50	\$91.74	\$90.00
2020	15	Special Meter Reads (retailer requested off-cycle read)	Direct Labour - Clerical	\$81.96	0.11		\$9.02	\$4.95	\$13.97	Small Vehicle Time	\$10.00	0.75	\$7.50			
			Direct Labour - Field Staff (MRDC)	\$61.31	0.75		\$45.98	\$25.24	\$71.23							
			Payroll Burden	54.90%					\$85.19					\$7.50	\$92.69	\$90.00
2021	15	Special Meter Reads (retailer requested off-cycle read)	Direct Labour - Clerical	\$82.92	0.11		\$9.12	\$5.07	\$14.19	Small Vehicle Time	\$10.00	0.75	\$7.50			
			Direct Labour - Field Staff (MRDC)	\$61.71	0.75		\$46.28	\$25.73	\$72.02							
			Payroll Burden	55.60%					\$86.21					\$7.50	\$93.71	\$90.00
2022	15	Special Meter Reads (retailer requested off-cycle read)	Direct Labour - Clerical	\$84.20	0.11		\$9.26	\$5.15	\$14.41	Small Vehicle Time	\$10.00	0.75	\$7.50			
			Direct Labour - Field Staff (MRDC)	\$62.35	0.75		\$46.76	\$26.00	\$72.76							
			Payroll Burden	55.60%					\$87.17					\$7.50	\$94.67	\$90.00

1 **1.1.12 COLLECTION OF ACCOUNT CHARGES**

2
3 As outlined in Chapter 11 of the Rate Handbook, Section 11.3.2, pursuant to section 31
4 of the *Electricity Act*, a distributor may consider disconnection of electricity services for
5 non-payment of account. The collection of account charge is intended to cover the field
6 costs, or part of the costs, of additional collection activities that are beyond the routine of
7 a distributor, as a result of an individual customer's non-payment of its account. The
8 Distribution System Code defines a disconnect/collect trip as, a visit to a customer's
9 premises by an employee or agent of the distributor to demand payment of any
10 outstanding amount, or to shut off or limit distribution of electricity to the customer
11 failing payment. Furthermore, as outlined in Section 11.3.3 of the Rate Handbook, a
12 distributor may establish a reconnection of electricity service charge. This charge would
13 recover the costs of the physical process of re-establishing power to the customer.

14
15 **1.1.12.1 COLLECTION OF ACCOUNT CHARGE - NO**
16 **DISCONNECTION - DURING REGULAR HOURS (RATE**
17 **CODE 16)**

18
19 This service covers the field collection activities due to customer non-payment of bill.
20 The work is initiated by a notification / order. If on arrival at the customer's site, the
21 customer pays the outstanding balance, no disconnect will occur, however this charge
22 will still apply to recover the cost of scheduling the visit and the staff making the visit to
23 the customer's property.

1

Table 11: Collection of Account Charge - No Disconnection - During Regular Hours

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	16	Collection of Account Charge - No Disconnection - During Regular Hours	Direct Labour - Clerical	\$80.08	0.25		\$20.02	\$10.73	\$30.75	Small Vehicle Time	\$10.00	0.66	\$6.60			
			Direct Labour - Field Staff (MRDC)	\$60.55	0.66		\$39.96	\$21.42	\$61.38							
			Payroll Burden	53.60%					\$92.13					\$6.60	\$98.73	\$100.00
2019	16	Collection of Account Charge - No Disconnection - During Regular Hours	Direct Labour - Clerical	\$81.00	0.25		\$20.25	\$11.00	\$31.25	Small Vehicle Time	\$10.00	0.66	\$6.60			
			Direct Labour - Field Staff (MRDC)	\$60.91	0.66		\$40.20	\$21.83	\$62.03							
			Payroll Burden	54.30%					\$93.28					\$6.60	\$99.88	\$100.00
2020	16	Collection of Account Charge - No Disconnection - During Regular Hours	Direct Labour - Clerical	\$81.96	0.25		\$20.49	\$11.25	\$31.74	Small Vehicle Time	\$10.00	0.66	\$6.60			
			Direct Labour - Field Staff (MRDC)	\$61.31	0.66		\$40.46	\$22.22	\$62.68							
			Payroll Burden	54.90%					\$94.42					\$6.60	\$101.02	\$100.00
2021	16	Collection of Account Charge - No Disconnection - During Regular Hours	Direct Labour - Clerical	\$82.92	0.25		\$20.73	\$11.53	\$32.26	Small Vehicle Time	\$10.00	0.66	\$6.60			
			Direct Labour - Field Staff (MRDC)	\$61.71	0.66		\$40.73	\$22.65	\$63.37							
			Payroll Burden	55.60%					\$95.63					\$6.60	\$102.23	\$100.00
2022	16	Collection of Account Charge - No Disconnection - During Regular Hours	Direct Labour - Clerical	\$84.20	0.25		\$21.05	\$11.70	\$32.75	Small Vehicle Time	\$10.00	0.66	\$6.60			
			Direct Labour - Field Staff (MRDC)	\$62.35	0.66		\$41.15	\$22.88	\$64.03							
			Payroll Burden	55.60%					\$96.78					\$6.60	\$103.38	\$100.00

1 **1.1.12.2 COLLECTION OF ACCOUNT CHARGE –**
2 **DISCONNECT/RECONNECT AT METER &**
3 **INSTALL/REMOVE LOAD CONTROL DEVICE – DURING**
4 **REGULAR HOURS (RATE CODES 18 & 19)**
5

6 When a customer has not paid their electricity bill for an extensive period (45 days) of
7 time, an electricity disconnection notice is issued. If payment is still not received, a
8 disconnection or the installation of a load limiter is performed. These activities are
9 performed in accordance with Subsection 31(1) of the *Electricity Act, 1998* which
10 provides that:

11
12 *A distributor may shut off the distribution of electricity to a property if any*
13 *amount payable by a person for the distribution or retail of electricity to*
14 *the property pursuant to Section 29 is overdue.*

Table 12: Disconnect/Reconnect at Meter & Install/Remove Load Control Device – During Regular Hours

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	18&19	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - During Regular Hours	Direct Labour - Clerical	\$80.08	0.43		\$34.43	\$18.46	\$52.89	Small Vehicle Time	\$10.00	0.62	\$6.20			
			Direct Labour - Field Staff (MRDC)	\$60.55	0.62		\$37.54	\$20.12	\$57.66	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	53.60%						Meter Ring	\$4.95	0.10	\$0.50			
									\$110.55	Sleeves	\$0.07	2.00	\$0.14	\$7.01	\$117.56	\$120.00
2019	18&19	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - During Regular Hours	Direct Labour - Clerical	\$81.00	0.43		\$34.83	\$18.91	\$53.74	Small Vehicle Time	\$10.00	0.62	\$6.20			
			Direct Labour - Field Staff (MRDC)	\$60.91	0.62		\$37.76	\$20.51	\$58.27	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	54.30%						Meter Ring	\$4.95	0.10	\$0.50			
									\$112.01	Sleeves	\$0.07	2.00	\$0.14	\$7.01	\$119.02	\$120.00
2020	18&19	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - During Regular Hours	Direct Labour - Clerical	\$81.96	0.43		\$35.24	\$19.35	\$54.59	Small Vehicle Time	\$10.00	0.62	\$6.20			
			Direct Labour - Field Staff (MRDC)	\$61.31	0.62		\$38.01	\$20.87	\$58.88	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	54.90%						Meter Ring	\$4.95	0.10	\$0.50			
									\$113.47	Sleeves	\$0.07	2.00	\$0.14	\$7.01	\$120.48	\$120.00

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2021	18&19	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - During Regular Hours	Direct Labour - Clerical	\$82.92	0.43		\$35.66	\$19.82	\$55.48	Small Vehicle Time	\$10.00	0.62	\$6.20			
			Direct Labour - Field Staff (MRDC)	\$61.71	0.62		\$38.26	\$21.27	\$59.53	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	55.60%						Meter Ring	\$4.95	0.10	\$0.50			
									\$115.01	Sleeves	\$0.07	2.00	\$0.14	\$7.01	\$122.02	\$120.00
2022	18&19	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - During Regular Hours	Direct Labour - Clerical	\$84.20	0.43		\$36.21	\$20.13	\$56.34	Small Vehicle Time	\$10.00	0.62	\$6.20			
			Direct Labour - Field Staff (MRDC)	\$62.35	0.62		\$38.66	\$21.49	\$60.15	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	55.60%						Meter Ring	\$4.95	0.10	\$0.50			
									\$116.49	Sleeves	\$0.07	2.00	\$0.14	\$7.01	\$123.49	\$120.00

1 **1.1.12.3 COLLECTION OF ACCOUNT CHARGE –**
2 **DISCONNECT/RECONNECT AT METER &**
3 **INSTALL/REMOVE LOAD CONTROL DEVICE – AFTER**
4 **REGULAR HOURS (RATE CODES 20 & 21)**

5
6 When a customer has been disconnected or a load control device has been installed, and
7 they later make payment on their current bill and agree to pay the after hours fee to have
8 the meter reconnected or the load control device removed after regular hours, the charges
9 in Table 13 below are incurred.

**Table 13: Collection of Account Charge – Disconnect/Reconnect at Meter & Install/Remove Load Control Device
– After Regular Hours**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	20& 21	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - After Regular Hours	Direct Labour - Clerical	\$80.08	0.43		\$34.43	\$18.46	\$52.89	Small Vehicle Time	\$10.00	2.02	\$20.20			
			Direct Labour - Field Staff (RLM)	\$79.43	2.02	1.40	\$224.63	\$120.40	\$345.03	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	53.60%						Meter Ring	\$4.95	0.10	\$0.50			
									\$397.93	Sleeves	\$0.07	2.00	\$0.14	\$21.01	\$418.93	\$430.00
2019	20& 21	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - After Regular Hours	Direct Labour - Clerical	\$81.00	0.43		\$34.83	\$18.91	\$53.74	Small Vehicle Time	\$10.00	2.02	\$20.20			
			Direct Labour - Field Staff (RLM)	\$80.35	2.02	1.40	\$227.23	\$123.39	\$350.62	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	54.30%						Meter Ring	\$4.95	0.10	\$0.50			
									\$404.36	Sleeves	\$0.07	2.00	\$0.14	\$21.01	\$425.36	\$430.00
2020	20& 21	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - After Regular Hours	Direct Labour - Clerical	\$81.96	0.43		\$35.24	\$19.35	\$54.59	Small Vehicle Time	\$10.00	2.02	\$20.20			
			Direct Labour - Field Staff (RLM)	\$81.32	2.02	1.40	\$229.97	\$126.26	\$356.23	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	54.90%						Meter Ring	\$4.95	0.10	\$0.50			
									\$410.82	Sleeves	\$0.07	2.00	\$0.14	\$21.01	\$431.82	\$430.00
2021	20&21	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - After Regular Hours	Direct Labour - Clerical	\$82.92	0.43		\$35.66	\$19.82	\$55.48	Small Vehicle Time	\$10.00	2.02	\$20.20			
			Direct Labour - Field Staff (RLM)	\$82.28	2.02	1.40	\$232.69	\$129.37	\$362.06	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	55.60%						Meter Ring	\$4.95	0.10	\$0.50			

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
									\$417.54	Sleeves	\$0.07	2.00	\$0.14	\$21.01	\$438.55	\$430.00
2022	20&21	Collection - Disconnect/Reconnect at Meter & Install/Remove Load Control Device - After Regular Hours	Direct Labour - Clerical	\$84.20	0.43		\$36.21	\$20.13	\$56.34	Small Vehicle Time	\$10.00	2.02	\$20.20			
			Direct Labour - Field Staff (RLM)	\$83.56	2.02	1.40	\$236.31	\$131.39	\$367.69	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	55.60%						Meter Ring	\$4.95	0.10	\$0.50			
									\$424.03	Sleeves	\$0.07	2.00	\$0.14	\$21.01	\$445.04	\$430.00

1 **1.1.12.4 COLLECTION OF ACCOUNT CHARGE –**
2 **DISCONNECT/RECONNECT AT POLE – DURING**
3 **REGULAR HOURS (RATE CODE 22)**
4

5 When a customer has not paid their electricity bill for an extensive period (45 days)
6 of time, an Electricity Disconnection Notice is issued. If payment is still not received
7 a disconnection is performed. At times, a disconnection cannot be performed at the
8 meter due to type of the meter or the meter is not accessible (e.g. located inside a
9 locked building), therefore disconnection must be performed at the pole. These
10 activities are performed in accordance with Subsection 31(1) of the *Electricity Act*,
11 1998 which provides that:

12
13 *A distributor may shut off the distribution of electricity to a property if any*
14 *amount payable by a person for the distribution or retail of electricity to*
15 *the property pursuant to Section 29 is overdue.*

1

Table 14 - Collection of Account Charge – Disconnect/Reconnect at Pole – During Regular Hours

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	22	Collection - Disconnect/Reconnect at Pole - During Regular Hours	Direct Labour - Clerical	\$80.08	0.43		\$34.43	\$18.46	\$52.89	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$79.43	1.72		\$136.62	\$73.23	\$209.85							
			Payroll Burden	53.60%					\$262.74					\$49.02	\$311.76	\$320.00
2019	22	Collection - Disconnect/Reconnect at Pole - During Regular Hours	Direct Labour - Clerical	\$81.00	0.43		\$34.83	\$18.91	\$53.74	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$80.35	1.72		\$138.20	\$75.04	\$213.25							
			Payroll Burden	54.30%					\$266.99					\$49.02	\$316.01	\$320.00
2020	22	Collection - Disconnect/Reconnect at Pole - During Regular Hours	Direct Labour - Clerical	\$81.96	0.43		\$35.24	\$19.35	\$54.59	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$81.32	1.72		\$139.87	\$76.79	\$216.66							
			Payroll Burden	54.90%					\$271.25					\$49.02	\$320.27	\$320.00
2021	22	Collection - Disconnect/Reconnect at Pole - During Regular Hours	Direct Labour - Clerical	\$82.92	0.43		\$35.66	\$19.82	\$55.48	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$82.28	1.72		\$141.52	\$78.69	\$220.21							
			Payroll Burden	55.60%					\$275.69					\$49.02	\$324.71	\$320.00
2022	22	Collection - Disconnect/Reconnect at Pole - During Regular Hours	Direct Labour - Clerical	\$84.20	0.43		\$36.21	\$20.13	\$56.34	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$83.56	1.72		\$143.72	\$79.91	\$223.63							
			Payroll Burden	55.60%					\$279.97					\$49.02	\$328.99	\$320.00

1 **1.1.12.5 COLLECTION OF ACCOUNT CHARGE –**
2 **DISCONNECT/RECONNECT AT POLE – AFTER**
3 **REGULAR HOURS (RATE CODE 23)**

4
5 When a customer has been disconnected at the pole, and they later make payment on
6 their current bill and agree to pay the after hours fee to have their service
7 reconnected, the charges in Table 15 below are incurred.

Table 15: Collection of Account Charge – Disconnect/Reconnect at Pole – After Regular Hours

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	23	Collection - Disconnect/Reconnect at Pole - After Regular Hours	Direct Labour - Clerical	\$80.08	0.43		\$34.43	\$18.46	\$52.89	Large Vehicle Time	\$57.00	1.56	\$88.92			
			Direct Labour - Field Staff (RLM)	\$79.43	4.00	1.40	\$444.82	\$238.42	\$683.24							
			Payroll Burden	53.60%					\$736.13					\$88.92	\$825.05	\$850.00
2019	23	Collection - Disconnect/Reconnect at Pole - After Regular Hours	Direct Labour - Clerical	\$81.00	0.43		\$34.83	\$18.91	\$53.74	Large Vehicle Time	\$57.00	1.56	\$88.92			
			Direct Labour - Field Staff (RLM)	\$80.35	4.00	1.40	\$449.96	\$244.33	\$694.29							
			Payroll Burden	54.30%					\$748.03					\$88.92	\$836.95	\$850.00
2020	23	Collection - Disconnect/Reconnect at Pole - After Regular Hours	Direct Labour - Clerical	\$81.96	0.43		\$35.24	\$19.35	\$54.59	Large Vehicle Time	\$57.00	1.56	\$88.92			
			Direct Labour - Field Staff (RLM)	\$81.32	4.00	1.40	\$455.39	\$250.01	\$705.40							
			Payroll Burden	54.90%					\$759.99					\$88.92	\$848.91	\$850.00
2021	23	Collection - Disconnect/Reconnect at Pole - After Regular Hours	Direct Labour - Clerical	\$82.92	0.43		\$35.66	\$19.82	\$55.48	Large Vehicle Time	\$57.00	1.56	\$88.92			
			Direct Labour - Field Staff (RLM)	\$82.28	4.00	1.40	\$460.77	\$256.19	\$716.96							
			Payroll Burden	55.60%					\$772.44					\$88.92	\$861.36	\$850.00
2022	23	Collection - Disconnect/Reconnect at Pole - After Regular Hours	Direct Labour - Clerical	\$84.20	0.43		\$36.21	\$20.13	\$56.34	Large Vehicle Time	\$57.00	1.56	\$88.92			
			Direct Labour - Field Staff (RLM)	\$83.56	4.00	1.40	\$467.94	\$260.17	\$728.11							
			Payroll Burden	55.60%					\$784.44					\$88.92	\$873.36	\$850.00

**1.1.13 METER DISPUTE CHARGE – MEASUREMENT CANADA
(RATE CODE 24)**

Meter dispute testing is typically the last step in a multi-stage escalation process between the customer and Hydro One. The process typically begins with a customer high bill inquiry, the object of which is to validate that the bill calculations, charges and bill determinants are accurate.

If Hydro One is satisfied with meter operation and accuracy of billing, and the customer is not satisfied, the customer will be referred to Measurement Canada. If the services of Measurement Canada are requested by the customer or retailer to resolve the issue, Hydro One may charge the customer for the costs of processing the application to Measurement Canada and removing and transporting the meter to a testing location. If the dispute is substantiated by Measurement Canada and the resolution is in the favour of the customer, Hydro One shall bear such costs.

The charges in Table 16 below only recover the work performed by Hydro One. Measurement Canada may charge an additional fee.

1 **Table 16: Meter Dispute Charge – Measurement Canada**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	24	Meter Dispute Charge - Measurement Canada	Direct Labour - Clerical	\$80.08	0.68		\$54.45	\$29.19	\$83.64	Small Vehicle Time	\$10.00	1.42	\$14.20			
			Direct Labour - Field Staff (MDET)	\$84.64	1.42		\$120.19	\$64.42	\$184.61							
			Payroll Burden	53.60%					\$268.25					\$14.20	\$282.45	\$290.00
2019	24	Meter Dispute Charge - Measurement Canada	Direct Labour - Clerical	\$81.00	0.68		\$55.08	\$29.91	\$84.99	Small Vehicle Time	\$10.00	1.42	\$14.20			
			Direct Labour - Field Staff (MDET)	\$85.54	1.42		\$121.46	\$65.96	\$187.42							
			Payroll Burden	54.30%					\$272.41					\$14.20	\$286.61	\$290.00
2020	24	Meter Dispute Charge - Measurement Canada	Direct Labour - Clerical	\$81.96	0.68		\$55.73	\$30.60	\$86.33	Small Vehicle Time	\$10.00	1.42	\$14.20			
			Direct Labour - Field Staff (MDET)	\$86.48	1.42		\$122.80	\$67.42	\$190.22							
			Payroll Burden	54.90%					\$276.55					\$14.20	\$290.75	\$290.00
2021	24	Meter Dispute Charge - Measurement Canada	Direct Labour - Clerical	\$82.92	0.68		\$56.39	\$31.35	\$87.74	Small Vehicle Time	\$10.00	1.42	\$14.20			
			Direct Labour - Field Staff (MDET)	\$87.42	1.42		\$124.14	\$69.02	\$193.16							
			Payroll Burden	55.60%					\$280.89					\$14.20	\$295.09	\$290.00
2022	24	Meter Dispute Charge - Measurement Canada	Direct Labour - Clerical	\$84.20	0.68		\$57.26	\$31.83	\$89.09	Small Vehicle Time	\$10.00	1.42	\$14.20			
			Direct Labour - Field Staff (MDET)	\$88.70	1.42		\$125.95	\$70.03	\$195.98							
			Payroll Burden	55.60%					\$285.07					\$14.20	\$299.27	\$290.00

1 **1.1.14 SERVICE CALL - CUSTOMER OWNED EQUIPMENT –**

2 **DURING/AFTER REGULAR HOURS (RATE CODE 25 & 26)**

3
4 If Hydro One determines that the cause of a power issue is related to the customer-owned
5 equipment, Hydro One crews may perform corrective service at the customer's request. The
6 Specific Service Charge for Rate Code 25 covers only the administration and travel costs of
7 this service. It does not cover any work associated with work on the customer-owned
8 equipment, as it applies whether Hydro One crews work on the customer-owned equipment
9 or not. Hydro One will charge the customer additional amounts, at actual costs, for
10 performing any work on their equipment.

1

Table 17: Service Call - Customer Owned Equipment - During Regular Hours

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	25	Service Call - Customer Owned Equipment - During Regular Hours	Direct Labour - Clerical	\$80.08	0.08		\$6.41	\$3.43	\$9.84	Large Vehicle Time	\$57.00	0.65	\$37.05			
			Direct Labour - Field Staff (RLM)	\$79.43	1.31		\$104.06	\$55.77	\$159.83							
			Payroll Burden	53.60%					\$169.67					\$37.05	\$206.72	\$210.00
2019	25	Service Call - Customer Owned Equipment - During Regular Hours	Direct Labour - Clerical	\$81.00	0.08		\$6.48	\$3.52	\$10.00	Large Vehicle Time	\$57.00	0.65	\$37.05			
			Direct Labour - Field Staff (RLM)	\$80.35	1.31		\$105.26	\$57.16	\$162.41							
			Payroll Burden	54.30%					\$172.41					\$37.05	\$209.46	\$210.00
2020	25	Service Call - Customer Owned Equipment - During Regular Hours	Direct Labour - Clerical	\$81.96	0.08		\$6.56	\$3.60	\$10.16	Large Vehicle Time	\$57.00	0.65	\$37.05			
			Direct Labour - Field Staff (RLM)	\$81.32	1.31		\$106.53	\$58.48	\$165.01							
			Payroll Burden	54.90%					\$175.17					\$37.05	\$212.22	\$210.00
2021	25	Service Call - Customer Owned Equipment - During Regular Hours	Direct Labour - Clerical	\$82.92	0.08		\$6.63	\$3.69	\$10.32	Large Vehicle Time	\$57.00	0.65	\$37.05			
			Direct Labour - Field Staff (RLM)	\$82.28	1.31		\$107.79	\$59.93	\$167.72							
			Payroll Burden	55.60%					\$178.04					\$37.05	\$215.09	\$210.00
2022	25	Service Call - Customer Owned Equipment - During Regular Hours	Direct Labour - Clerical	\$84.20	0.08		\$6.74	\$3.75	\$10.48	Large Vehicle Time	\$57.00	0.65	\$37.05			
			Direct Labour - Field Staff (RLM)	\$83.56	1.31		\$109.46	\$60.86	\$170.33							
			Payroll Burden	55.60%					\$180.81					\$37.05	\$217.86	\$210.00

2

1 **Table 18: Service Call - Customer Owned Equipment - After Regular Hours**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	26	Service Call - Customer Owned Equipment - After Regular Hours	Direct Labour - Clerical	\$80.08	0.08		\$6.41	\$3.43	\$9.84	Large Vehicle Time	\$57.00	1.31	\$74.67			
			Direct Labour - Field Staff (RLM)	\$79.43	4.00	1.40	\$444.82	\$238.42	\$683.24							
			Payroll Burden	53.60%					\$693.08					\$74.67	\$767.75	\$775.00
2019	26	Service Call - Customer Owned Equipment - After Regular Hours	Direct Labour - Clerical	\$81.00	0.08		\$6.48	\$3.52	\$10.00	Large Vehicle Time	\$57.00	1.31	\$74.67			
			Direct Labour - Field Staff (RLM)	\$80.35	4.00	1.40	\$449.96	\$244.33	\$694.29							
			Payroll Burden	54.30%					\$704.29					\$74.67	\$778.96	\$775.00
2020	26	Service Call - Customer Owned Equipment - After Regular Hours	Direct Labour - Clerical	\$81.96	0.08		\$6.56	\$3.60	\$10.16	Large Vehicle Time	\$57.00	1.31	\$74.67			
			Direct Labour - Field Staff (RLM)	\$81.32	4.00	1.40	\$455.39	\$250.01	\$705.40							
			Payroll Burden	54.90%					\$715.56					\$74.67	\$790.23	\$775.00
2021	26	Service Call - Customer Owned Equipment - After Regular Hours	Direct Labour - Clerical	\$82.92	0.08		\$6.63	\$3.69	\$10.32	Large Vehicle Time	\$57.00	1.31	\$74.67			
			Direct Labour - Field Staff (RLM)	\$82.28	4.00	1.40	\$460.77	\$256.19	\$716.96							
			Payroll Burden	55.60%					\$727.28					\$74.67	\$801.95	\$775.00
2022	26	Service Call - Customer Owned Equipment - After Regular Hours	Direct Labour - Clerical	\$84.20	0.08		\$6.74	\$3.75	\$10.48	Large Vehicle Time	\$57.00	1.31	\$74.67			
			Direct Labour - Field Staff (RLM)	\$83.56	4.00	1.40	\$467.94	\$260.17	\$728.11							
			Payroll Burden	55.60%					\$738.59					\$74.67	\$813.26	\$775.00

1 **1.1.15 INSTALL/REMOVE TEMPORARY SERVICES (RATE**
2 **CODES 27-29)**

3
4 Customer requests for the installation and removal of a temporary service can vary
5 greatly in the amount of work required. Each job will have its own unique working
6 conditions. At the customer's request, a temporary service is connected. When the
7 customer is ready to: (a) cancel the temporary service; or (b) transfer to the conductor
8 and meter to the new permanent service, Hydro One will return to perform the relocation.

9
10 To avoid cross-subsidization or over collection, Hydro One proposes that the fee for these
11 specific services be derived on the actual costs of each individual job.

12
13 **1.1.16 SPECIFIC CHARGE FOR ACCESS TO POWER POLES -**
14 **\$/POLE/YEAR (RATE CODE 30)**

15
16 This charge is described and calculated in Appendix C.

APPENDIX B

The charges described in this Appendix are Hydro One specific charges, calculated based on the labour hours and material used to perform the work. The required labour hours were studied as part of the Time Study. The proposed charges recover the cost of performing the work.

1. HYDRO ONE SPECIFIC SERVICE CHARGES: STANDARD FORMULA, UPDATED AMOUNTS

1.1 HYDRO ONE SPECIFIC CHARGES DESCRIPTION

Hydro One has determined that customers should be charged the following fees for services that are beyond a distributor's normal business, and are not covered by rates. The labour hours and attributes were investigated as part of the Time Study, and the proposed charges recover the cost of performing the work and the associated material.

The following charges have previously been charged by Hydro One, but have been deemed to no longer apply.

1. Tingle/Stray Voltage Test – excess of 4 hours, if customer equipment is defective (Rate Code 43) - From the normal delivery and use of electricity, a small voltage may exist between two conductive surfaces that can be simultaneously contacted by an animal. Examples of the conductive surfaces include concrete floors, metal stabling, milk pipelines, and water bowls. This voltage is commonly referred to as, “animal contact voltage”, “stray voltage”, or “tingle voltage”. This voltage usually presents no harm. However, if the voltage level is high enough, it may affect livestock behaviour and health. Since 2009, the Distribution System Code (“DSC”) (Section 4.7 & Appendix H)

1 requires all Ontario Distribution Utilities to complete Stray Voltage Investigations on
2 livestock farm customers by a competent person. Hydro One considers this service as part
3 of the standard level of service in accordance with the DSC. Therefore, it is
4 recommended that the current approved charge for Tingle/Stray Voltage Investigation be
5 removed from the list of Hydro One Specific Services Charges.

- 6
- 7 2. A Stand-By Administration Charge (Rate Code 44) only covers the administration-related
8 costs and not the costs of having distribution facilities in place to deliver stand-by power.
9 Hydro One has no record of this charge ever being applied to Hydro One customers.

10

11 **1.1.2 VACANT PREMISE – MOVE IN WITH RECONNECT OF**
12 **ELECTRICAL SERVICE – AT METER OR AT POLE (RATE CODE 31A**
13 **& 31B)**

14

15 A Vacant Premise occurs when an existing customer cancels their account with Hydro One
16 and the meter is left active when the existing customer's contract ends. When this occurs, if
17 the new home owner, or landlord, does not call Hydro One to have the account for that
18 premise moved into their name, Hydro One attempts to contact the premise owner by mail or
19 letter delivered to the premise. If the owner of the premise does not contact Hydro One after
20 the notices are given, Hydro One disconnects the service at the meter or pole, as the service
21 is no longer associated with a customer.

22

23 When the new premise address owner or landlord contacts Hydro One to have an account set
24 up in their name for the now disconnected service, Hydro One goes to the premise to perform
25 a reconnect at the meter or pole. The reconnect service fee is recovered from the new
26 premise address owner.

1

Table 1: Vacant Premise – Move In with Reconnect of Electrical Service at Meter

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	31a	Vacant Premise - Move In with Reconnect of Electrical Service at Meter	Direct Labour - Clerical	\$80.08	0.29		\$23.22	\$12.45	\$35.67	Small Vehicle Time	\$10.00	0.57	\$5.70			
			Direct Labour - Field Staff (MRDC)	\$60.55	0.57		\$34.51	\$18.50	\$53.01	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	\$0.54					\$88.68	Meter Ring	\$4.95	0.10	\$0.50	\$6.37	\$95.05	\$95.00
2019	31a	Vacant Premise - Move In with Reconnect of Electrical Service at Meter	Direct Labour - Clerical	\$81.00	0.29		\$23.49	\$12.76	\$36.25	Small Vehicle Time	\$10.00	0.57	\$5.70			
			Direct Labour - Field Staff (MRDC)	\$60.91	0.57		\$34.72	\$18.85	\$53.57	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	\$0.54					\$89.82	Meter Ring	\$4.95	0.10	\$0.50	\$6.37	\$96.18	\$95.00
2020	31a	Vacant Premise - Move In with Reconnect of Electrical Service at Meter	Direct Labour - Clerical	\$81.96	0.29		\$23.77	\$13.05	\$36.82	Small Vehicle Time	\$10.00	0.57	\$5.70			
			Direct Labour - Field Staff (MRDC)	\$61.31	0.57		\$34.95	\$19.19	\$54.13	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	\$0.55					\$90.95	Meter Ring	\$4.95	0.10	\$0.50	\$6.37	\$97.31	\$95.00
2021	31a	Vacant Premise - Move In with Reconnect of Electrical Service at Meter	Direct Labour - Clerical	\$82.92	0.29		\$24.05	\$13.37	\$37.42	Small Vehicle Time	\$10.00	0.57	\$5.70			
			Direct Labour - Field Staff (MRDC)	\$61.71	0.57		\$35.17	\$19.56	\$54.73	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	\$0.56					\$92.15	Meter Ring	\$4.95	0.10	\$0.50	\$6.37	\$98.51	\$95.00
2022	31a	Vacant Premise - Move In with Reconnect of Electrical Service at Meter	Direct Labour - Clerical	\$84.20	0.29		\$24.42	\$13.58	\$37.99	Small Vehicle Time	\$10.00	0.57	\$5.70			
			Direct Labour - Field Staff (MRDC)	\$62.35	0.57		\$35.54	\$19.76	\$55.30	Meter Seal	\$0.17	1.00	\$0.17			
			Payroll Burden	\$0.56					\$93.29	Meter Ring	\$4.95	0.10	\$0.50	\$6.37	\$99.66	\$95.00

2

1

Table 2: Vacant Premise – Move In with Reconnect of Electrical Service at Pole

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/ Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/ Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	31b	Vacant Premise - Move In with Reconnect of Electrical Service at Pole	Direct Labour - Clerical	\$80.08	0.29		\$23.22	\$12.45	\$35.67	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$79.43	1.72		\$136.62	\$73.23	\$209.85							
			Payroll Burden	53.60%					\$245.52					\$49.02	\$294.54	\$300.00
2019	31b	Vacant Premise - Move In with Reconnect of Electrical Service at Pole	Direct Labour - Clerical	\$81.00	0.29		\$23.49	\$12.76	\$36.25	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$80.35	1.72		\$138.20	\$75.04	\$213.25							
			Payroll Burden	54.30%					\$249.49					\$49.02	\$298.51	\$300.00
2020	31b	Vacant Premise - Move In with Reconnect of Electrical Service at Pole	Direct Labour - Clerical	\$81.96	0.29		\$23.77	\$13.05	\$36.82	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$81.32	1.72		\$139.87	\$76.79	\$216.66							
			Payroll Burden	54.90%					\$253.48					\$49.02	\$302.50	\$300.00

2

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/ Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/ Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2021	31b	Vacant Premise - Move In with Reconnect of Electrical Service at Pole	Direct Labour - Clerical	\$82.92	0.29		\$24.05	\$13.37	\$37.42	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$82.28	1.72		\$141.52	\$78.69	\$220.21							
			Payroll Burden	55.60%					\$257.62					\$49.02	\$306.64	\$300.00
2022	31b	Vacant Premise - Move In with Reconnect of Electrical Service at Pole	Direct Labour - Clerical	\$84.20	0.29		\$24.42	\$13.58	\$37.99	Large Vehicle Time	\$57.00	0.86	\$49.02			
			Direct Labour - Field Staff (RLM)	\$83.56	1.72		\$143.72	\$79.91	\$223.63							
			Payroll Burden	55.60%					\$261.63					\$49.02	\$310.65	\$300.00

**1.1.3 RECONNECT COMPLETED AFTER HOURS (CUSTOMER/CONTRACT
DRIVEN) – AT METER OR AT POLE (RATE CODE 32 & 33)**

All customers are responsible for maintaining their own equipment; therefore, Hydro One provides one yearly (calendar year January to December) Service Disconnection and Re-Connection (isolation and restoration) during regular business hours for customer maintenance purposes. There is a charge for a reconnection at the meter or pole performed after hours when the service is not ready to reconnect during regular hours due to the customer or contractor. The charge is only the difference between the charge for the service performed during regular hours and the charge for the service performed after regular hours.

Table 3: Reconnect Completed After Hours (Customer/Contract Driven) – At Meter

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	32	Reconnect Completed After Hours (Customer/Contract Driven) - At Meter	Direct Labour - Clerical	\$80.08	0.58		\$46.45	\$24.90	\$71.34	Small Vehicle Time	\$10.00	1.83	\$18.30			
			Direct Labour - Field Staff (RLM)	\$79.43	1.83	1.20	\$174.43	\$93.50	\$267.93	Credit (Rate Code 18&19)			-\$117.56			
			Payroll Burden	53.60%					\$339.27					-\$99.26	\$240.01	\$245.00
2019	32	Reconnect Completed After Hours (Customer/Contract Driven) - At Meter	Direct Labour - Clerical	\$81.00	0.58		\$46.98	\$25.51	\$72.49	Small Vehicle Time	\$10.00	1.83	\$18.30			
			Direct Labour - Field Staff (RLM)	\$80.35	1.83	1.20	\$176.45	\$95.81	\$272.26	Credit (Rate Code 18&19)			-\$119.02			
			Payroll Burden	54.30%					\$344.75					-\$100.72	\$244.03	\$245.00
2020	32	Reconnect Completed After Hours (Customer/Contract Driven) - At Meter	Direct Labour - Clerical	\$81.96	0.58		\$47.54	\$26.10	\$73.63	Small Vehicle Time	\$10.00	1.83	\$18.30			
			Direct Labour - Field Staff (RLM)	\$81.32	1.83	1.20	\$178.58	\$98.04	\$276.62	Credit (Rate Code 18&19)			-\$120.48			
			Payroll Burden	54.90%					\$350.25					-\$102.18	\$248.08	\$245.00
2021	32	Reconnect Completed After Hours (Customer/Contract Driven) - At Meter	Direct Labour - Clerical	\$82.92	0.58		\$48.09	\$26.74	\$74.83	Small Vehicle Time	\$10.00	1.83	\$18.30			
			Direct Labour - Field Staff (RLM)	\$82.28	1.83	1.20	\$180.69	\$100.46	\$281.15	Credit (Rate Code 18&19)			-\$122.02			
			Payroll Burden	55.60%					\$355.98					-\$103.72	\$252.26	\$245.00
2022	32	Reconnect Completed After Hours (Customer/Contract Driven) - At Meter	Direct Labour - Clerical	\$84.20	0.58		\$48.84	\$27.15	\$75.99	Small Vehicle Time	\$10.00	1.83	\$18.30			
			Direct Labour - Field Staff (RLM)	\$83.56	1.83	1.20	\$183.50	\$102.02	\$285.52	Credit (Rate Code 18&19)			-\$123.49			
			Payroll Burden	55.60%					\$361.51					-\$105.19	\$256.32	\$245.00

1

Table 4: Reconnect Completed After Hours (Customer/Contract Driven) – At Pole

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	33	Reconnect Completed After Hours (Customer/Contract Driven) - At Pole	Direct Labour - Clerical	\$80.08	0.58		\$46.45	\$24.90	\$71.34	Large Vehicle Time	\$57.00	2.02	\$115.14			
			Direct Labour - Field Staff (RLM)	\$79.43	4.04	1.20	\$385.08	\$206.40	\$591.49	Credit (Rate Code 22)			-\$311.76			
			Payroll Burden	53.60%					\$662.83					-\$196.62	\$466.21	\$475.00
2019	33	Reconnect Completed After Hours (Customer/Contract Driven) - At Pole	Direct Labour - Clerical	\$81.00	0.58		\$46.98	\$25.51	\$72.49	Large Vehicle Time	\$57.00	2.02	\$115.14			
			Direct Labour - Field Staff (RLM)	\$80.35	4.04	1.20	\$389.54	\$211.52	\$601.06	Credit (Rate Code 22)			-\$316.01			
			Payroll Burden	54.30%					\$673.55					-\$200.87	\$472.68	\$475.00
2020	33	Reconnect Completed After Hours (Customer/Contract Driven) - At Pole	Direct Labour - Clerical	\$81.96	0.58		\$47.54	\$26.10	\$73.63	Large Vehicle Time	\$57.00	2.02	\$115.14			
			Direct Labour - Field Staff (RLM)	\$81.32	4.04	1.20	\$394.24	\$216.44	\$610.68	Credit (Rate Code 22)			-\$320.27			
			Payroll Burden	54.90%					\$684.31					-\$205.13	\$479.18	\$475.00
2021	33	Reconnect Completed After Hours (Customer/Contract Driven) - At Pole	Direct Labour - Clerical	\$82.92	0.58		\$48.09	\$26.74	\$74.83	Large Vehicle Time	\$57.00	2.02	\$115.14			
			Direct Labour - Field Staff (RLM)	\$82.28	4.04	1.20	\$398.89	\$221.78	\$620.68	Credit (Rate Code 22)			-\$324.71			
			Payroll Burden	55.60%					\$695.51					-\$209.57	\$485.94	\$475.00
2022	33	Reconnect Completed After Hours (Customer/Contract Driven) - At Pole	Direct Labour - Clerical	\$84.20	0.58		\$48.84	\$27.15	\$75.99	Large Vehicle Time	\$57.00	2.02	\$115.14			
			Direct Labour - Field Staff (RLM)	\$83.56	4.04	1.20	\$405.10	\$225.23	\$630.33	Credit (Rate Code 22)			-\$328.99			
			Payroll Burden	55.60%					\$706.32					-\$213.85	\$492.47	\$475.00

**1.1.4 ADDITIONAL SERVICE LAYOUT FEE – BASIC/COMPLEX – MORE
THAN ONE HOUR (RATE CODE 34 & 35)**

When a customer determines that their distribution service requirement has changed from what was originally submitted and planned, Hydro One will determine the work required to modify the existing service layout to meet the customer's new needs. If work is required in excess of one hour, the fee in Table 5 below will be charged. In previous definitions, a basic service layout has involved a new single-phase service, while a complex additional service layout was for a three-phase service. The Study demonstrated that there was not a substantial difference between the work required to make changes to a three-phase service compared to a single-phase service. Hydro One is therefore proposing to charge the same rate, regardless of whether the changes required to the layout are basic or complex.

1

Table 5: Additional Service Layout Fee – Basic/Complex – More Than One Hour

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	34&35	Additional Service Layout Fee - Basic/Complex (more than one hour)	Direct Labour - Clerical	\$80.08	0.64		\$51.25	\$27.47	\$78.72	Small Vehicle Time	\$10.00	1.73	\$11.73			
			Direct Labour - ADET	\$84.64	3.62		\$306.40	\$164.23	\$470.63							
			Payroll Burden	53.60%					\$549.35					\$11.73	\$561.08	\$561.08
2019	34&35	Additional Service Layout Fee - Basic/Complex (more than one hour)	Direct Labour - Clerical	\$81.00	0.64		\$51.84	\$28.15	\$79.99	Small Vehicle Time	\$10.00	1.73	\$11.73			
			Direct Labour - ADET	\$85.54	3.62		\$309.65	\$168.14	\$477.79							
			Payroll Burden	54.30%					\$557.78					\$11.73	\$569.51	\$569.51
2020	34&35	Additional Service Layout Fee - Basic/Complex (more than one hour)	Direct Labour - Clerical	\$81.96	0.64		\$52.45	\$28.80	\$81.25	Small Vehicle Time	\$10.00	1.73	\$11.73			
			Direct Labour - ADET	\$86.48	3.62		\$313.06	\$171.87	\$484.93							
			Payroll Burden	54.90%					\$566.18					\$11.73	\$577.91	\$577.91
2021	34&35	Additional Service Layout Fee - Basic/Complex (more than one hour)	Direct Labour - Clerical	\$82.92	0.64		\$53.07	\$29.51	\$82.58	Small Vehicle Time	\$10.00	1.73	\$11.73			
			Direct Labour - ADET	\$87.42	3.62		\$316.46	\$175.95	\$492.41							
			Payroll Burden	55.60%					\$574.99					\$11.73	\$586.72	\$586.72
2022	34&35	Additional Service Layout Fee - Basic/Complex (more than one hour)	Direct Labour - Clerical	\$84.20	0.64		\$53.89	\$29.96	\$83.85	Small Vehicle Time	\$10.00	1.73	\$11.73			
			Direct Labour - ADET	\$88.70	3.62		\$321.09	\$178.53	\$499.62							
			Payroll Burden	55.60%					\$583.47					\$11.73	\$595.20	\$595.20

1 **1.1.5 PIPELINE CROSSINGS (RATE CODE 36)**

2 Permission is required from the pipeline company before installing new wires (overhead
3 or underground) crossing a pipeline Right of Way (“ROW”), or installing poles, anchors,
4 or other equipment on a pipeline ROW. To generate the drawings, a great deal of
5 information such as pipe depth, diameter, ROW width, and position of the line within the
6 ROW must be collected at the site with a pipeline representative. The pipeline
7 representative will determine what steps need to be taken and make suggestions for the
8 best possible design. Hydro One charges the customer a fee that includes creation of the
9 drawing, signing of the agreement, review of standards, obligations and conditions.

1

Table 6: Pipeline Crossings

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/ Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/ Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	36	Pipeline Crossings	Direct Labour - Clerical	\$80.08	1.00		\$80.08	\$42.92	\$123.00	Small Vehicle Time	\$10.00	16.00	\$160.00			
			Direct Labour - ADET	\$84.64	16.00		\$1,354.24	\$725.87	\$2,080.11							
			Payroll Burden	53.60%					\$2,203.12					\$160.00	\$2,363.12	\$2,363.12
2019	36	Pipeline Crossings	Direct Labour - Clerical	\$81.00	1.00		\$81.00	\$43.98	\$124.98	Small Vehicle Time	\$10.00	16.00	\$160.00			
			Direct Labour - ADET	\$85.54	16.00		\$1,368.61	\$743.16	\$2,111.77							
			Payroll Burden	54.30%					\$2,236.75					\$160.00	\$2,396.75	\$2,396.75
2020	36	Pipeline Crossings	Direct Labour - Clerical	\$81.96	1.00		\$81.96	\$45.00	\$126.96	Small Vehicle Time	\$10.00	16.00	\$160.00			
			Direct Labour - ADET	\$86.48	16.00		\$1,383.68	\$759.64	\$2,143.32							
			Payroll Burden	54.90%					\$2,270.28					\$160.00	\$2,430.28	\$2,430.28
2021	36	Pipeline Crossings	Direct Labour - Clerical	\$82.92	1.00		\$82.92	\$46.10	\$129.02	Small Vehicle Time	\$10.00	16.00	\$160.00			
			Direct Labour - ADET	\$87.42	16.00		\$1,398.72	\$777.69	\$2,176.41							
			Payroll Burden	55.60%					\$2,305.43					\$160.00	\$2,465.43	\$2,465.43
2022	36	Pipeline Crossings	Direct Labour - Clerical	\$84.20	1.00		\$84.20	\$46.82	\$131.02	Small Vehicle Time	\$10.00	16.00	\$160.00			
			Direct Labour - ADET	\$88.70	16.00		\$1,419.20	\$789.08	\$2,208.28							
			Payroll Burden	55.60%					\$2,339.29					\$160.00	\$2,499.29	\$2,499.29

1.1.6 WATER CROSSINGS (RATE CODE 37)

Water Crossing fees are only charged when approval is being requested to cross the Rideau Canal and Trent Severn Waterway. Under emergency conditions, work may proceed but due diligence is required to prevent damage to fish habitats resulting in fines. Under normal circumstances, Hydro One staff will perform a self-assessment for Transport Canada (“TC”) and the Department of Fisheries and Oceans (“DFO”). The results of the self-assessment will dictate further interactions between Hydro One, the DFO, and TC in regards to new applications, special permits and guidance to prevent damage to fish habitat. The results of the self-assessment will also outline any concerns with the proposed work and if any timing restrictions apply (e.g., fish spawning season).

1

Table 7: Water Crossings

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	37	Water Crossings	Direct Labour - Clerical	\$80.08	1.55		\$124.12	\$66.53	\$190.65	Small Vehicle Time	\$10.00	22.75	\$227.50			
			Direct Labour - ADET	\$84.64	22.75		\$1,925.56	\$1,032.10	\$2,957.66	Utility Boat	\$25.00	5.87	\$146.75			
			Payroll Burden	53.60%					\$3,148.31					\$374.25	\$3,522.56	\$3,522.56
2019	37	Water Crossings	Direct Labour - Clerical	\$81.00	1.55		\$125.55	\$68.17	\$193.72	Small Vehicle Time	\$10.00	22.75	\$227.50			
			Direct Labour - ADET	\$85.54	22.75		\$1,946.00	\$1,056.68	\$3,002.67	Utility Boat	\$25.00	5.87	\$146.75			
			Payroll Burden	54.30%					\$3,196.40					\$374.25	\$3,570.65	\$3,570.65
2020	37	Water Crossings	Direct Labour - Clerical	\$81.96	1.55		\$127.04	\$69.74	\$196.78	Small Vehicle Time	\$10.00	22.75	\$227.50			
			Direct Labour - ADET	\$86.48	22.75		\$1,967.42	\$1,080.11	\$3,047.53	Utility Boat	\$25.00	5.87	\$146.75			
			Payroll Burden	54.90%					\$3,244.32					\$374.25	\$3,618.57	\$3,618.57
2021	37	Water Crossings	Direct Labour - Clerical	\$82.92	1.55		\$128.53	\$71.46	\$199.99	Small Vehicle Time	\$10.00	22.75	\$227.50			
			Direct Labour - ADET	\$87.42	22.75		\$1,988.81	\$1,105.78	\$3,094.58	Utility Boat	\$25.00	5.87	\$146.75			
			Payroll Burden	55.60%					\$3,294.57					\$374.25	\$3,668.82	\$3,668.82
2022	37	Water Crossings	Direct Labour - Clerical	\$84.20	1.55		\$130.51	\$72.56	\$203.07	Small Vehicle Time	\$10.00	22.75	\$227.50			
			Direct Labour - ADET	\$88.70	22.75		\$2,017.93	\$1,121.97	\$3,139.89	Utility Boat	\$25.00	5.87	\$146.75			
			Payroll Burden	55.60%					\$3,342.96					\$374.25	\$3,717.21	\$3,717.21

1.1.7 RAILWAY CROSSINGS (RATE CODE 38)

A new agreement is required from a railway authority before installing new wire across railway tracks or rights-of-way, or reconfiguring or modifying existing crossings of railway tracks or rights-of-way. Additional fees incurred from the railway authority application, the actual railway agreement, and flagging fees will be collected from the customer.

1

Table 8: Railway Crossings

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	38	Railway Crossings (Plus Feed Through Charges from Railway Company)	Direct Labour - Clerical	\$80.08	1.55		\$124.12	\$66.53	\$190.65	Small Vehicle Time	\$10.00	15.77	\$157.70			
			Direct Labour - ADET	\$84.64	15.77		\$1,334.77	\$715.44	\$2,050.21							
			Direct Labour - MP2	\$105.47	4.00		\$421.88	\$226.13	\$648.01							
			Direct Labour - CADD (GR64)	\$89.20	12.00		\$1,070.40	\$573.73	\$1,644.13							
			Payroll Burden	53.60%					\$4,533.01					\$157.70	\$4,690.71	\$4,690.71
2019	38	Railway Crossings (Plus Feed Through Charges from Railway Company)	Direct Labour - Clerical	\$81.00	1.55		\$125.55	\$68.17	\$193.72	Small Vehicle Time	\$10.00	15.77	\$157.70			
			Direct Labour - ADET	\$85.54	15.77		\$1,348.94	\$732.47	\$2,081.41							
			Direct Labour - MP2	\$106.92	4.00		\$427.68	\$232.23	\$659.91							
			Direct Labour - CADD (GR64)	\$90.07	12.00		\$1,080.84	\$586.90	\$1,667.74							
			Payroll Burden	54.30%					\$4,602.78					\$157.70	\$4,760.48	\$4,760.48
2020	38	Railway Crossings (Plus Feed Through Charges from Railway Company)	Direct Labour - Clerical	\$81.96	1.55		\$127.04	\$69.74	\$196.78	Small Vehicle Time	\$10.00	15.77	\$157.70			
			Direct Labour - ADET	\$86.48	15.77		\$1,363.79	\$748.72	\$2,112.51							
			Direct Labour - MP2	\$108.43	4.00		\$433.72	\$238.11	\$671.83							
			Direct Labour - CADD (GR64)	\$91.00	12.00		\$1,092.00	\$599.51	\$1,691.51							
			Payroll Burden	54.90%					\$4,672.63					\$157.70	\$4,830.33	\$4,830.33

2

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2021	38	Railway Crossings (Plus Feed Through Charges from Railway Company)	Direct Labour - Clerical	\$82.92	1.55		\$128.53	\$71.46	\$199.99	Small Vehicle Time	\$10.00	15.77	\$157.70			
			Direct Labour - ADET	\$87.42	15.77		\$1,378.61	\$766.51	\$2,145.12							
			Direct Labour - MP2	\$109.27	4.00		\$437.08	\$243.02	\$680.10							
			Direct Labour - CADD (GR64)	\$91.92	12.00		\$1,103.04	\$613.29	\$1,716.33							
			Payroll Burden	55.60%					\$4,741.54					\$157.70	\$4,899.24	\$4,899.24
2022	38	Railway Crossings (Plus Feed Through Charges from Railway Company)	Direct Labour - Clerical	\$84.20	1.55		\$130.51	\$72.56	\$203.07	Small Vehicle Time	\$10.00	15.77	\$157.70			
			Direct Labour - ADET	\$88.70	15.77		\$1,398.80	\$777.73	\$2,176.53							
			Direct Labour - MP2	\$110.56	4.00		\$442.24	\$245.89	\$688.13							
			Direct Labour - CADD (GR64)	\$93.20	12.00		\$1,118.40	\$621.83	\$1,740.23							
			Payroll Burden	55.60%					\$4,807.96					\$157.70	\$4,965.66	\$4,965.66

1 **1.1.8 LINE STAKING PER METER (RATE CODE 39A, B, C)**

2

3 For Hydro One to bring electrical service to a customer's property, an expansion from the

4 existing distribution line to the customer's property may have to be designed and built.

5 Hydro One will perform the staking of the line route according to the type of line to be built:

6 overhead, underground or submarine cable. Based on the 2006 Rate Handbook, all line

7 staking was charged at a common fee. The results of the Time Study have identified that

8 the underlying cost varies by the the type of line needing to be built. Hydro One therefore

9 proposes that the line staking per meter service be divided into three categories: overhead

10 line, underground line and submarine cable.

Table 9: Overhead Line Staking Per Meter

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	39a	Overhead Line Staking per Meter	Direct Labour - Clerical	\$80.08	0.0010		\$0.08	\$0.04	\$0.12	Small Vehicle Time	\$10.00	0.0108	\$0.11			
			Direct Labour - ADET	\$84.64	0.0301		\$2.55	\$1.37	\$3.91	Material - Stake	\$0.03	1.0000	\$0.03			
			Payroll Burden	53.60%					\$4.04					\$0.14	\$4.17	\$4.17
2019	39a	Overhead Line Staking per Meter	Direct Labour - Clerical	\$81.00	0.0010		\$0.08	\$0.04	\$0.12	Small Vehicle Time	\$10.00	0.0108	\$0.11			
			Direct Labour - ADET	\$85.54	0.0301		\$2.57	\$1.40	\$3.97	Material - Stake	\$0.03	1.0000	\$0.03			
			Payroll Burden	54.30%					\$4.10					\$0.14	\$4.24	\$4.24
2020	39a	Overhead Line Staking per Meter	Direct Labour - Clerical	\$81.96	0.0010		\$0.08	\$0.04	\$0.13	Small Vehicle Time	\$10.00	0.0108	\$0.11			
			Direct Labour - ADET	\$86.48	0.0301		\$2.60	\$1.43	\$4.03	Material - Stake	\$0.03	1.0000	\$0.03			
			Payroll Burden	54.90%					\$4.16					\$0.14	\$4.30	\$4.30
2021	39a	Overhead Line Staking per Meter	Direct Labour - Clerical	\$82.92	0.0010		\$0.08	\$0.05	\$0.13	Small Vehicle Time	\$10.00	0.0108	\$0.11			
			Direct Labour - ADET	\$87.42	0.0301		\$2.63	\$1.46	\$4.09	Material - Stake	\$0.03	1.0000	\$0.03			
			Payroll Burden	55.60%					\$4.22					\$0.14	\$4.36	\$4.36
2022	39a	Overhead Line Staking per Meter	Direct Labour - Clerical	\$84.20	0.0010		\$0.08	\$0.05	\$0.13	Small Vehicle Time	\$10.00	0.0108	\$0.11			
			Direct Labour - ADET	\$88.70	0.0301		\$2.67	\$1.48	\$4.15	Material - Stake	\$0.03	1.0000	\$0.03			
			Payroll Burden	55.60%					\$4.29					\$0.14	\$4.42	\$4.42

Table 10: Underground Line Staking Per Meter

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	39b	Underground Line Staking per Meter	Direct Labour - Clerical	\$80.08	0.0012		\$0.10	\$0.05	\$0.15	Small Vehicle Time	\$10.00	0.0100	\$0.10			
			Direct Labour - ADET	\$84.64	0.0212		\$1.79	\$0.96	\$2.76							
			Payroll Burden	53.60%					\$2.90					\$0.10	\$3.00	\$3.00
2019	39b	Underground Line Staking per Meter	Direct Labour - Clerical	\$81.00	0.0012		\$0.10	\$0.05	\$0.15	Small Vehicle Time	\$10.00	0.0100	\$0.10			
			Direct Labour - ADET	\$85.54	0.0212		\$1.81	\$0.98	\$2.80							
			Payroll Burden	54.30%					\$2.95					\$0.10	\$3.05	\$3.05
2020	39b	Underground Line Staking per Meter	Direct Labour - Clerical	\$81.96	0.0012		\$0.10	\$0.05	\$0.15	Small Vehicle Time	\$10.00	0.0100	\$0.10			
			Direct Labour - ADET	\$86.48	0.0212		\$1.83	\$1.01	\$2.84							
			Payroll Burden	54.90%					\$2.99					\$0.10	\$3.09	\$3.09
2021	39b	Underground Line Staking per Meter	Direct Labour - Clerical	\$82.92	0.0012		\$0.10	\$0.06	\$0.15	Small Vehicle Time	\$10.00	0.0100	\$0.10			
			Direct Labour - ADET	\$87.42	0.0212		\$1.85	\$1.03	\$2.88							
			Payroll Burden	55.60%					\$3.04					\$0.10	\$3.14	\$3.14
2022	39b	Underground Line Staking per Meter	Direct Labour - Clerical	\$84.20	0.0012		\$0.10	\$0.06	\$0.16	Small Vehicle Time	\$10.00	0.0100	\$0.10			
			Direct Labour - ADET	\$88.70	0.0212		\$1.88	\$1.05	\$2.93							
			Payroll Burden	55.60%					\$3.08					\$0.10	\$3.18	\$3.18

1 **Table 11: Submarine Cable Line Staking Per Meter**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	39c	Submarine Cable Line Staking per Meter	Direct Labour - Clerical	\$80.08	0.0007		\$0.06	\$0.03	\$0.09	Small Vehicle Time	\$10.00	0.0042	\$0.04			
			Direct Labour - ADET	\$84.64	0.0192		\$1.63	\$0.87	\$2.50							
			Payroll Burden	53.60%					\$2.58					\$0.04	\$2.62	\$2.62
2019	39c	Submarine Cable Line Staking per Meter	Direct Labour - Clerical	\$81.00	0.0007		\$0.06	\$0.03	\$0.09	Small Vehicle Time	\$10.00	0.0042	\$0.04			
			Direct Labour - ADET	\$85.54	0.0192		\$1.64	\$0.89	\$2.53							
			Payroll Burden	54.30%					\$2.62					\$0.04	\$2.66	\$2.66
2020	39c	Submarine Cable Line Staking per Meter	Direct Labour - Clerical	\$81.96	0.0007		\$0.06	\$0.03	\$0.09	Small Vehicle Time	\$10.00	0.0042	\$0.04			
			Direct Labour - ADET	\$86.48	0.0192		\$1.66	\$0.91	\$2.57							
			Payroll Burden	54.90%					\$2.66					\$0.04	\$2.70	\$2.70
2021	39c	Submarine Cable Line Staking per Meter	Direct Labour - Clerical	\$82.92	0.0007		\$0.06	\$0.03	\$0.09	Small Vehicle Time	\$10.00	0.0042	\$0.04			
			Direct Labour - ADET	\$87.42	0.0192		\$1.68	\$0.93	\$2.61							
			Payroll Burden	55.60%					\$2.70					\$0.04	\$2.74	\$2.74
2022	39c	Submarine Cable Line Staking per Meter	Direct Labour - Clerical	\$84.20	0.0007		\$0.06	\$0.03	\$0.09	Small Vehicle Time	\$10.00	0.0042	\$0.04			
			Direct Labour - ADET	\$88.70	0.0192		\$1.70	\$0.95	\$2.65							
			Payroll Burden	55.60%					\$2.74					\$0.04	\$2.78	\$2.78

1 **1.1.9 CENTRAL METERING**

2
3 Customers may opt for central metering (“CM”) to avoid having to pay for a large and expensive
4 service located in one building to supply several separate buildings on one property, or to reduce
5 having a meter on each building. If the customer requests, Hydro One Networks will install a
6 CM service on a customer-owned pole. A maximum of four service connections can be
7 connected at the CM location. If this is for a new service, where the load is greater than or equal
8 to 45 kW, the CM service will be installed free of charge.

9
10 **1.1.9.1 CENTRAL METERING – NEW SERVICE < 45 KW (RATE CODE**
11 **40)**

12
13 When the load supplied by the central metering service is less than 45 kW, the load does not
14 justify the higher metering costs resulting from the use of instrument transformers, therefore the
15 customer must pay to cover the instrument transformer costs.

1

Table 12: Central Metering – New Service < 45 kW

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	40	Central Metering - New Service < 45 kW							\$0.00	Material	\$100.00	1.00	\$100.00	\$100.00	\$100.00	\$100.00
2019	40	Central Metering - New Service < 45 kW							\$0.00	Material	\$100.00	1.00	\$100.00	\$100.00	\$100.00	\$100.00
2020	40	Central Metering - New Service < 45 kW							\$0.00	Material	\$100.00	1.00	\$100.00	\$100.00	\$100.00	\$100.00
Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total ther	Calculated Total Charge	Proposed Charge
2021	40	Central Metering - New Service < 45 kW							\$0.00	Material	\$100.00	1.00	\$100.00	\$100.00	\$100.00	\$100.00
2022	40	Central Metering - New Service < 45 kW							\$0.00	Material	\$100.00	1.00	\$100.00	\$100.00	\$100.00	\$100.00

**1.1.9.2 CONVERSION TO CENTRAL METERING < 45 KW (RATE
CODE 41)**

Customers who request a conversion from conventional metering to CM require a new service layout, a change in their account, the removal of existing meters and equipment and installation of new equipment. This involves site visits for the layout, equipment modifications and administrative work. If the installation is to supply a load of less than 45 kW, the customer is charged for the associated labour plus the incremental cost of the instrument transformers.

1

Table 13: Conversion to Central Metering < 45 kW

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	41	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$80.08	0.26		\$20.82	\$11.16	\$31.98	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$79.43	6.06		\$481.35	\$258.01	\$739.36	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$84.64	3.50		\$296.24	\$158.78	\$455.02	Material	\$100.00	1.00	\$100.00			
			Payroll Burden	53.60%					\$1,226.36					\$307.71	\$1,534.07	\$1,534.07
2019	41	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$81.00	0.26		\$21.06	\$11.44	\$32.50	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$80.35	6.06		\$486.92	\$264.40	\$751.32	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$85.54	3.50		\$299.38	\$162.57	\$461.95	Material	\$100.00	1.00	\$100.00			
			Payroll Burden	54.30%					\$1,245.76					\$307.71	\$1,553.47	\$1,553.47
2020	41	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$81.96	0.26		\$21.31	\$11.70	\$33.01	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$81.32	6.06		\$492.80	\$270.55	\$763.35	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$86.48	3.50		\$302.68	\$166.17	\$468.85	Material	\$100.00	1.00	\$100.00			
			Payroll Burden	54.90%					\$1,265.21					\$307.71	\$1,572.92	\$1,572.92
2021	41	Conversion to Central Metering < 45	Direct Labour - Clerical	\$82.92	0.26		\$21.56	\$11.99	\$33.55	Small Vehicle Time	\$10.00	3.50	\$35.00			

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
		kW	Direct Labour - Field Staff (RLM)	\$82.28	6.06		\$498.62	\$277.23	\$775.85	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$87.42	3.50		\$305.97	\$170.12	\$476.09	Material	\$100.00	1.00	\$100.00			
			Payroll Burden	55.60%					\$1,285.48					\$307.71	\$1,593.19	\$1,593.19
2022	41	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$84.20	0.26		\$21.89	\$12.17	\$34.06	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$83.56	6.06		\$506.37	\$281.54	\$787.92	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$88.70	3.50		\$310.45	\$172.61	\$483.06	Material	\$100.00	1.00	\$100.00			
			Payroll Burden	55.60%					\$1,305.04					\$307.71	\$1,612.75	\$1,612.75

**1.1.9.3 CONVERSION TO CENTRAL METERING \geq 45
KW (RATE CODE 42)**

Customers who request a conversion from conventional metering to central metering require a new service layout, a change in their account, the removal of existing meters and equipment, and installation of new equipment. This involves site visits for the layout, equipment modifications, and administrative work. Loads greater than or equal to 45 kW justify the costs for the required instrument transformer. Therefore, only the labour costs associated with performing this service are charged to the customer.

1

Table 14: Conversion to Central Metering > 45 kW

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	42	Conversion to Central Metering >= 45 kW	Direct Labour - Clerical	\$80.08	0.26		\$20.82	\$11.16	\$31.98	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$79.43	6.06		\$481.35	\$258.01	\$739.36	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$84.64	3.50		\$296.24	\$158.78	\$455.02							
			Payroll Burden	53.60%			\$427.95		\$1,226.36					\$207.71	\$1,434.07	\$1,434.07
2019	42	Conversion to Central Metering >= 45 kW	Direct Labour - Clerical	\$81.00	0.26		\$21.06	\$11.44	\$32.50	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$80.35	6.06		\$486.92	\$264.40	\$751.32	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$85.54	3.50		\$299.38	\$162.57	\$461.95							
			Payroll Burden	54.30%			\$438.40		\$1,245.76					\$207.71	\$1,453.47	\$1,453.47
2020	42	Conversion to Central Metering >= 45 kW	Direct Labour - Clerical	\$81.96	0.26		\$21.31	\$11.70	\$33.01	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$81.32	6.06		\$492.80	\$270.55	\$763.35	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$86.48	3.50		\$302.68	\$166.17	\$468.85							
			Payroll Burden	54.90%			\$448.42		\$1,265.21					\$207.71	\$1,472.92	\$1,472.92
2021	42	Conversion to Central	Direct Labour - Clerical	\$82.92	0.26		\$21.56	\$11.99	\$33.55	Small Vehicle	\$10.00	3.50	\$35.00			

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
		Metering >= 45 kW								Time						
			Direct Labour - Field Staff (RLM)	\$82.28	6.06		\$498.62	\$277.23	\$775.85	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$87.42	3.50		\$305.97	\$170.12	\$476.09							
			Payroll Burden	55.60%			\$459.34		\$1,285.48					\$207.71	\$1,493.19	\$1,493.19
2022	42	Conversion to Central Metering >= 45 kW	Direct Labour - Clerical	\$84.20	0.26		\$21.89	\$12.17	\$34.06	Small Vehicle Time	\$10.00	3.50	\$35.00			
			Direct Labour - Field Staff (RLM)	\$83.56	6.06		\$506.37	\$281.54	\$787.92	Large Vehicle Time	\$57.00	3.03	\$172.71			
			Direct Labour - Field Staff (ADET)	\$88.70	3.50		\$310.45	\$172.61	\$483.06							
			Payroll Burden	55.60%			\$466.33		\$1,305.04					\$207.71	\$1,512.75	\$1,512.75

1 **1.1.10 CONNECTION IMPACT ASSESSMENTS**

2
3 Renewable generation development and the subsequent connection process involve a number of
4 stages, including technical assessments. Hydro One assesses the technical impact of the
5 renewable generation connection to its distribution system through a Connection Impact
6 Assessment (“CIA”). A CIA is a more detailed assessment of a project's impact on the
7 distribution system. The results include a technical report outlining project feasibility, technical
8 specifications needed for the project and the impact the project would have on the distribution
9 grid and any of its customers, in accordance with Section 6.2.14 of the DSC.

10
11 **1.1.10.1 CONNECTION IMPACT ASSESSMENTS – NET**
12 **METERING (RATE CODE 45A)**

13
14 A net metering generator, as defined in section 7(1) of the Net Metering Regulation (O. Reg. 541
15 / 05), generates electricity primarily for its own use from a renewable generation facility. Net
16 metering involves the measurement of the quantity of electricity a generator uses against the
17 quantity of electricity it generates resulting in a net total. Net metering projects include those
18 which have a capacity greater than 10 kW but less than or equal to 500 kW that wish to connect
19 to Hydro One’s distribution system.

Table 15: Connection Impact Assessments – Net Metering

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	45a	Connection Impact Assessments - Net Metering	Direct Labour - Clerical	\$80.08	0.87		\$69.67	\$37.34	\$107.01	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$117.84	2.83		\$333.49	\$178.75	\$512.24							
			Direct Labour - Technician (GR64)	\$89.20	14.25		\$1,271.10	\$681.31	\$1,952.41							
			Direct Labour - Field Staff (ADET)	\$84.64	4.08		\$345.33	\$185.10	\$530.43							
			Direct Labour - MP2	\$105.47	0.16		\$16.88	\$9.05	\$25.92							
			Payroll Burden	53.60%					\$3,128.01					\$18.10	\$3,146.11	\$3,146.11

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2019	45a	Connection Impact Assessments - Net Metering	Direct Labour - Clerical	\$81.00	0.87		\$70.47	\$38.27	\$108.74	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$119.24	2.83		\$337.45	\$183.23	\$520.68							
			Direct Labour - Technician (GR64)	\$90.07	14.25		\$1,283.50	\$696.94	\$1,980.44							
			Direct Labour - Field Staff (ADET)	\$85.54	4.08		\$349.00	\$189.51	\$538.50							
			Direct Labour - MP2	\$106.92	0.16		\$17.11	\$9.29	\$26.40							
			Payroll Burden	54.30%					\$3,174.75					\$18.10	\$3,192.85	\$3,192.85

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2020	45a	Connection Impact Assessments - Net Metering	Direct Labour - Clerical	\$81.96	0.87		\$71.31	\$39.15	\$110.45	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$120.69	2.83		\$341.55	\$187.51	\$529.07							
			Direct Labour - Technician (GR64)	\$91.00	14.25		\$1,296.75	\$711.92	\$2,008.67							
			Direct Labour - Field Staff (ADET)	\$86.48	4.08		\$352.84	\$193.71	\$546.55							
			Direct Labour - MP2	\$108.43	0.16		\$17.35	\$9.52	\$26.87							
			Payroll Burden	54.90%					\$3,221.60					\$18.10	\$3,239.70	\$3,239.70
2021	45a	Connection Impact Assessments - Net Metering	Direct Labour - Clerical	\$82.92	0.87		\$72.14	\$40.11	\$112.25	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$121.49	2.83		\$343.82	\$191.16	\$534.98							
			Direct Labour - Technician (GR64)	\$91.92	14.25		\$1,309.86	\$728.28	\$2,038.14							
			Direct Labour - Field Staff (ADET)	\$87.42	4.08		\$356.67	\$198.31	\$554.98							
			Direct Labour - MP2	\$109.27	0.16		\$17.48	\$9.72	\$27.20							
			Payroll Burden	55.60%					\$3,267.56					\$18.10	\$3,285.66	\$3,285.66
2022	45a	Connection Impact Assessments - Net Metering	Direct Labour - Clerical	\$84.20	0.87		\$73.25	\$40.73	\$113.98	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$122.77	2.83		\$347.44	\$193.18	\$540.62							
			Direct Labour - Technician (GR64)	\$93.20	14.25		\$1,328.10	\$738.42	\$2,066.52							
			Direct Labour - Field Staff (ADET)	\$88.70	4.08		\$361.90	\$201.21	\$563.11							
			Direct Labour - MP2	\$110.56	0.16		\$17.69	\$9.84	\$27.53							
			Payroll Burden	55.60%					\$3,311.76					\$18.10	\$3,329.86	\$3,329.86

**1.1.10.2 CONNECTION IMPACT ASSESSMENTS – EMBEDDED
LDC GENERATORS (RATE CODE 45B)**

This category covers CIAs for Capacity Allocation Exempt (“CAE”) sized Distributed Generation (“DG”) projects, including load displacement and energy storage facilities, proposed for connection to the distribution system of an embedded LDC. This type of CIA is completed by Hydro One at the request of a downstream LDC for the connection of a CAE-sized project to a Hydro One shared feeder.

As per the DSC, a “CAE small embedded generation facility” is an embedded generation facility that has a name-plate rated capacity of 250 kW or less in the case of a facility connected to a less than 15 kV line, or 500 kW or less in the case of a facility connected to a 15 kV or greater line, and is not a micro-embedded generation facility.

1

Table 16: Connection Impact Assessments – Embedded LDC Generators

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	45b	Connection Impact Assessments - Embedded LDC Generators	Direct Labour - Clerical	\$80.08	0.87		\$69.67	\$37.34	\$107.01	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$117.84	1.25		\$147.30	\$78.95	\$226.25							
			Direct Labour - Technician (GR64)	\$89.20	1.58		\$140.94	\$75.54	\$216.48							
			Direct Labour - Field Staff (ADET)	\$84.64	4.08		\$345.33	\$185.10	\$530.43							
			Direct Labour - MP2	\$105.47	10.66		\$1,124.31	\$602.63	\$1,726.94							
			Payroll Burden	53.60%					\$2,807.11					\$18.10	\$2,825.21	\$2,825.21
2019	45b	Connection Impact Assessments - Embedded LDC Generators	Direct Labour - Clerical	\$81.00	0.87		\$70.47	\$38.27	\$108.74	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$119.24	1.25		\$149.05	\$80.93	\$229.98							
			Direct Labour - Technician (GR64)	\$90.07	1.58		\$142.31	\$77.27	\$219.59							
			Direct Labour - Field Staff (ADET)	\$85.54	4.08		\$349.00	\$189.51	\$538.50							
			Direct Labour - MP2	\$106.92	10.66		\$1,139.77	\$618.89	\$1,758.66							
			Payroll Burden	54.30%					\$2,855.47					\$18.10	\$2,873.57	\$2,873.57

2

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2020	45b	Connection Impact Assessments - Embedded LDC Generators	Direct Labour - Clerical	\$81.96	0.87		\$71.31	\$39.15	\$110.45	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$120.69	1.25		\$150.86	\$82.82	\$233.69							
			Direct Labour - Technician (GR64)	\$91.00	1.58		\$143.78	\$78.94	\$222.72							
			Direct Labour - Field Staff (ADET)	\$86.48	4.08		\$352.84	\$193.71	\$546.55							
			Direct Labour - MP2	\$108.43	10.66		\$1,155.86	\$634.57	\$1,790.43							
			Payroll Burden	54.90%					\$2,903.83					\$18.10	\$2,921.93	\$2,921.93

1

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2021	45b	Connection Impact Assessment s - Embedded LDC Generators	Direct Labour - Clerical	\$82.92	0.87		\$72.14	\$40.11	\$112.25	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$121.49	1.25		\$151.86	\$84.44	\$236.30							
			Direct Labour - Technician (GR64)	\$91.92	1.58		\$145.23	\$80.75	\$225.98							
			Direct Labour - Field Staff (ADET)	\$87.42	4.08		\$356.67	\$198.31	\$554.98							
			Direct Labour - MP2	\$109.27	10.66		\$1,164.82	\$647.64	\$1,812.46							
			Payroll Burden	55.60%					\$2,941.97					\$18.10	\$2,960.07	\$2,960.07
2022	45b	Connection Impact Assessment s - Embedded LDC Generators	Direct Labour - Clerical	\$84.20	0.87		\$73.25	\$40.73	\$113.98	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$122.77	1.25		\$153.46	\$85.33	\$238.79							
			Direct Labour - Technician (GR64)	\$93.20	1.58		\$147.26	\$81.87	\$229.13							
			Direct Labour - Field Staff (ADET)	\$88.70	4.08		\$361.90	\$201.21	\$563.11							
			Direct Labour - MP2	\$110.56	10.66		\$1,178.57	\$655.28	\$1,833.85							
			Payroll Burden	55.60%					\$2,978.87					\$18.10	\$2,996.97	\$2,996.97

**1.1.10.3 CONNECTION IMPACT ASSESSMENTS – SMALL
PROJECTS < =500 KW (RATE CODE 45C)**

This category covers CIA completed for CAE-sized DG projects, including load displacement and energy storage facilities, proposed for connection to Hydro One distribution system. When no LDC is involved, this type of CIA is completed by Hydro One at the request of an applicant.

1 **Table 17: Connection Impact Assessments – Small Projects <=500 kW**

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	45c	Connection Impact Assessments - Small Projects <=500 kW	Direct Labour - Clerical	\$80.08	0.87		\$69.67	\$37.34	\$107.01	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$117.84	3.42		\$403.01	\$216.01	\$619.03							
			Direct Labour - Technician (GR64)	\$89.20	10.85		\$967.82	\$518.75	\$1,486.57							
			Direct Labour - Field Staff (ADET)	\$84.64	4.08		\$345.33	\$185.10	\$530.43							
			Direct Labour - MP2	\$105.47	2.81		\$296.37	\$158.85	\$455.23							
			Payroll Burden	53.60%					\$3,198.27					\$18.10	\$3,216.37	\$3,216.37

2

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2019	45c	Connection Impact Assessments - Small Projects <=500 kW	Direct Labour - Clerical	\$81.00	0.87		\$70.47	\$38.27	\$108.74	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$119.24	3.42		\$407.80	\$221.44	\$629.24							
			Direct Labour - Technician (GR64)	\$90.07	10.85		\$977.26	\$530.65	\$1,507.91							
			Direct Labour - Field Staff (ADET)	\$85.54	4.08		\$349.00	\$189.51	\$538.50							
			Direct Labour - MP2	\$106.92	2.81		\$300.45	\$163.14	\$463.59							
			Payroll Burden	54.30%					\$3,247.97					\$18.10	\$3,266.07	\$3,266.07

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2020	45c	Connection Impact Assessments - Small Projects <=500 kW	Direct Labour - Clerical	\$81.96	0.87		\$71.31	\$39.15	\$110.45	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$120.69	3.42		\$412.76	\$226.61	\$639.36							
			Direct Labour - Technician (GR64)	\$91.00	10.85		\$987.35	\$542.06	\$1,529.41							
			Direct Labour - Field Staff (ADET)	\$86.48	4.08		\$352.84	\$193.71	\$546.55							
			Direct Labour - MP2	\$108.43	2.81		\$304.69	\$167.27	\$471.96							
			Payroll Burden	54.90%					\$3,297.73					\$18.10	\$3,315.83	\$3,315.83
2021	45c	Connection Impact Assessments - Small Projects <=500 kW	Direct Labour - Clerical	\$82.92	0.87		\$72.14	\$40.11	\$112.25	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$121.49	3.42		\$415.50	\$231.02	\$646.51							
			Direct Labour - Technician (GR64)	\$91.92	10.85		\$997.33	\$554.52	\$1,551.85							
			Direct Labour - Field Staff (ADET)	\$87.42	4.08		\$356.67	\$198.31	\$554.98							
			Direct Labour - MP2	\$109.27	2.81		\$307.05	\$170.72	\$477.77							
			Payroll Burden	55.60%					\$3,343.36					\$18.10	\$3,361.46	\$3,361.46

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2022	45c	Connection Impact Assessments - Small Projects <=500 kW	Direct Labour - Clerical	\$84.20	0.87		\$73.25	\$40.73	\$113.98	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$122.77	3.42		\$419.87	\$233.45	\$653.32							
			Direct Labour - Technician (GR64)	\$93.20	10.85		\$1,011.22	\$562.24	\$1,573.46							
			Direct Labour - Field Staff (ADET)	\$88.70	4.08		\$361.90	\$201.21	\$563.11							
			Direct Labour - MP2	\$110.56	2.81		\$310.67	\$172.73	\$483.41							
			Payroll Burden	55.60%					\$3,387.28					\$18.10	\$3,405.38	\$3,405.38

**1.1.10.4 CONNECTION IMPACT ASSESSMENTS – SMALL
PROJECTS <= 500 KW, SIMPLIFIED (RATE CODE 45D)**

The following CAE-sized, three-phase projects are eligible for a simplified CIA based on size of the generator and its connecting voltage:

- 10 kW < DG project \leq 30 kW if connecting to < 15 kV
- 10 kW < DG project \leq 100 kW if connecting to \geq 15 kV

The size of the three-phase project under each category is small enough that the impact on the system is not significant. Hence, the DG applicant receives a simplified CIA along with the class-C estimate. Single-phase projects are not eligible for the simplified CIA.

1

Table 18: Connection Impact Assessments – Small Projects <500 kW, Simplified

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	45d	Connection Impact Assessments - Small Projects <=500 kW, Simplified	Direct Labour - Clerical	\$80.08	0.87		\$69.67	\$37.34	\$107.01	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$117.84	3.54		\$417.15	\$223.59	\$640.75							
			Direct Labour - Technician (GR64)	\$89.20	3.63		\$323.80	\$173.55	\$497.35							
			Direct Labour - Field Staff (ADET)	\$84.64	4.08		\$345.33	\$185.10	\$530.43							
			Direct Labour - MP2	\$105.47	0.91		\$95.98	\$51.44	\$147.42							
			Payroll Burden	53.60%					\$1,922.96					\$18.10	\$1,941.06	\$1,941.06
2019	45d	Connection Impact Assessments - Small Projects <=500 kW, Simplified	Direct Labour - Clerical	\$81.00	0.87		\$70.47	\$38.27	\$108.74	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$119.24	3.54		\$422.11	\$229.21	\$651.32							
			Direct Labour - Technician (GR64)	\$90.07	3.63		\$326.95	\$177.54	\$504.49							
			Direct Labour - Field Staff (ADET)	\$85.54	4.08		\$349.00	\$189.51	\$538.50							
			Direct Labour - MP2	\$106.92	0.91		\$97.30	\$52.83	\$150.13							
			Payroll Burden	54.30%					\$1,953.17					\$18.10	\$1,971.27	\$1,971.27

2

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2020	45d	Connection Impact Assessments - Small Projects <=500 kW, Simplified	Direct Labour - Clerical	\$81.96	0.87		\$71.31	\$39.15	\$110.45	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$120.69	3.54		\$427.24	\$234.56	\$661.80							
			Direct Labour - Technician (GR64)	\$91.00	3.63		\$330.33	\$181.35	\$511.68							
			Direct Labour - Field Staff (ADET)	\$86.48	4.08		\$352.84	\$193.71	\$546.55							
			Direct Labour - MP2	\$108.43	0.91		\$98.67	\$54.17	\$152.84							
			Payroll Burden	54.90%					\$1,983.32					\$18.10	\$2,001.42	\$2,001.42
2021	45d	Connection Impact Assessments - Small Projects <=500 kW, Simplified	Direct Labour - Clerical	\$82.92	0.87		\$72.14	\$40.11	\$112.25	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$121.49	3.54		\$430.07	\$239.12	\$669.20							
			Direct Labour - Technician (GR64)	\$91.92	3.63		\$333.67	\$185.52	\$519.19							
			Direct Labour - Field Staff (ADET)	\$87.42	4.08		\$356.67	\$198.31	\$554.98							
			Direct Labour - MP2	\$109.27	0.91		\$99.44	\$55.29	\$154.72							
			Payroll Burden	55.60%					\$2,010.34					\$18.10	\$2,028.44	\$2,028.44
2022	45d	Connection Impact Assessments - Small Projects <=500 kW, Simplified	Direct Labour - Clerical	\$84.20	0.87		\$73.25	\$40.73	\$113.98	Small Vehicle Time	\$10.00	1.81	\$18.10			
			Direct Labour - MP4	\$122.77	3.54		\$434.61	\$241.64	\$676.25							
			Direct Labour - Technician (GR64)	\$93.20	3.63		\$338.32	\$188.10	\$526.42							
			Direct Labour - Field Staff (ADET)	\$88.70	4.08		\$361.90	\$201.21	\$563.11							
			Direct Labour - MP2	\$110.56	0.91		\$100.61	\$55.94	\$156.55							
			Payroll Burden	55.60%					\$2,036.31					\$18.10	\$2,054.41	\$2,054.41

**1.1.10.5 CONNECTION IMPACT ASSESSMENTS – GREATER THAN
CAPACITY ALLOCATION EXEMPT PROJECTS –
CAPACITY ALLOCATION REQUIRED PROJECTS (RATE
CODE 45E)**

The category covers the Capacity Allocation Required (“CAR”) CIAs for all DG projects, including net metering, load displacement and energy storage facilities, greater than Capacity Allocation Exempt (“CAE”) size. CAR projects have a capacity greater than 250 kW if connecting to less than 15 kV line, and greater than 500 kW if connecting to a line greater than or equal to 15 kV.

Table 19: Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	45e	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects	Direct Labour - Clerical	\$80.08	0.62		\$49.65	\$26.61	\$76.26							
			Direct Labour - MP2	\$105.47	11.10		\$1,170.72	\$627.50	\$1,798.22							
			Direct Labour - Intern	\$67.06	28.71		\$1,925.29	\$1,031.96	\$2,957.25							
			Direct Labour - MP4	\$117.84	20.37		\$2,400.40	\$1,286.61	\$3,687.02							
			Payroll Burden	53.60%					\$8,518.75					\$0.00	\$8,518.75	\$8,518.75
2019	45e	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects	Direct Labour - Clerical	\$81.00	0.62		\$50.22	\$27.27	\$77.49							
			Direct Labour - MP2	\$106.92	11.10		\$1,186.81	\$644.44	\$1,831.25							
			Direct Labour - Intern	\$67.39	28.71		\$1,934.77	\$1,050.58	\$2,985.35							
			Direct Labour - MP4	\$119.24	20.37		\$2,428.92	\$1,318.90	\$3,747.82							
			Payroll Burden	54.30%					\$8,641.91					\$0.00	\$8,641.91	\$8,641.91

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2020	45e	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects	Direct Labour - Clerical	\$81.96	0.62		\$50.82	\$27.90	\$78.71							
			Direct Labour - MP2	\$108.43	11.10		\$1,203.57	\$660.76	\$1,864.33							
			Direct Labour - Intern	\$67.77	28.71		\$1,945.68	\$1,068.18	\$3,013.85							
			Direct Labour - MP4	\$120.69	20.37		\$2,458.46	\$1,349.69	\$3,808.15							
			Payroll Burden	54.90%					\$8,765.05					\$0.00	\$8,765.05	\$8,765.05
2021	45e	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects	Direct Labour - Clerical	\$82.92	0.62		\$51.41	\$28.58	\$79.99							
			Direct Labour - MP2	\$109.27	11.10		\$1,212.90	\$674.37	\$1,887.27							
			Direct Labour - Intern	\$68.78	28.71		\$1,974.67	\$1,097.92	\$3,072.59							
			Direct Labour - MP4	\$121.49	20.37		\$2,474.75	\$1,375.96	\$3,850.71							
			Payroll Burden	55.60%					\$8,890.57					\$0.00	\$8,890.57	\$8,890.57
2022	45e	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects	Direct Labour - Clerical	\$84.20	0.62		\$52.20	\$29.03	\$81.23							
			Direct Labour - MP2	\$110.56	11.10		\$1,227.22	\$682.33	\$1,909.55							
			Direct Labour - Intern	\$70.06	28.71		\$2,011.42	\$1,118.35	\$3,129.77							
			Direct Labour - MP4	\$122.77	20.37		\$2,500.82	\$1,390.46	\$3,891.28							
			Payroll Burden	55.60%					\$9,011.83					\$0.00	\$9,011.83	\$9,011.83

**1.1.10.6 CONNECTION IMPACT ASSESSMENTS –
GREATER THAN CAPACITY ALLOCATION
EXEMPT PROJECTS – TS REVIEW FOR LDC
CAPACITY ALLOCATION REQUIRED PROJECTS
(RATE CODE 45F)**

The Transformer Station (“TS”) review CIAs are completed for all DG projects greater than 500 kW, including load displacement and energy storage facilities, connecting to LDC dedicated feeders. TS review CIAs are performed to determine if any upgrades are required at an upstream TS in order to facilitate connection of the DG projects to the distribution system. Changes in the feeder protection schemes such as transfer trip, low set block signal, and distributed generator end open signal are evaluated to ensure adequate protection of the equipment in the event of a contingency on the system.

Table 20: Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC
Capacity Allocation Required Projects

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2018	45f	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects	Direct Labour - Clerical	\$80.08	0.62		\$49.65	\$26.61	\$76.26							
			Direct Labour - MP2	\$105.47	14.90		\$1,571.50	\$842.33	\$2,413.83							
			Direct Labour - Intern	\$67.06	10.44		\$700.11	\$375.26	\$1,075.36							
			Direct Labour - MP4	\$117.84	11.45		\$1,349.27	\$723.21	\$2,072.48							
			Payroll Burden	53.60%					\$5,637.93					\$0.00	\$5,637.93	\$5,637.93
2019	45f	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects	Direct Labour - Clerical	\$81.00	0.62		\$50.22	\$27.27	\$77.49							
			Direct Labour - MP2	\$106.92	14.90		\$1,593.11	\$865.06	\$2,458.17							
			Direct Labour - Intern	\$67.39	10.44		\$703.55	\$382.03	\$1,085.58							
			Direct Labour - MP4	\$119.24	11.45		\$1,365.30	\$741.36	\$2,106.65							
			Payroll Burden	54.30%					\$5,727.89					\$0.00	\$5,727.89	\$5,727.89
2020	45f	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects	Direct Labour - Clerical	\$81.96	0.62		\$50.82	\$27.90	\$78.71							
			Direct Labour - MP2	\$108.43	14.90		\$1,615.61	\$886.97	\$2,502.58							
			Direct Labour - Intern	\$67.77	10.44		\$707.52	\$388.43	\$1,095.95							
			Direct Labour - MP4	\$120.69	11.45		\$1,381.90	\$758.66	\$2,140.56							
			Payroll Burden	54.90%					\$5,817.80					\$0.00	\$5,817.80	\$5,817.80

Filed: 2017-03-31

EB-2017-0049

Exhibit H1

Tab 2

Schedule 3

Page 98 of 112

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Units	Overtime Factor	Calculated Total	Payroll Burdens	Total Labour	Other Description	Rate Amount	Hours/Units	Calculated Total	Total Other	Calculated Total Charge	Proposed Charge
2021	45f	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects	Direct Labour - Clerical	\$82.92	0.62		\$51.41	\$28.58	\$79.99							
			Direct Labour - MP2	\$109.27	14.90		\$1,628.12	\$905.24	\$2,533.36							
			Direct Labour - Intern	\$68.78	10.44		\$718.06	\$399.24	\$1,117.31							
			Direct Labour - MP4	\$121.49	11.45		\$1,391.06	\$773.43	\$2,164.49							
			Payroll Burden	55.60%					\$5,895.15					\$0.00	\$5,895.15	\$5,895.15
2022	45f	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects	Direct Labour - Clerical	\$84.20	0.62		\$52.20	\$29.03	\$81.23							
			Direct Labour - MP2	\$110.56	14.90		\$1,647.34	\$915.92	\$2,563.27							
			Direct Labour - Intern	\$70.06	10.44		\$731.43	\$406.67	\$1,138.10							
			Direct Labour - MP4	\$122.77	11.45		\$1,405.72	\$781.58	\$2,187.29							
			Payroll Burden	55.60%					\$5,969.89					\$0.00	\$5,969.89	\$5,969.89

APPENDIX C

1. SPECIFIC SERVICE CHARGES: OTHER FORMULAE, AMOUNTS

1.1 SPECIFIC CHARGES DESCRIPTION

The charges in this section are determined by formulae that have been previously approved by the OEB.

1.1.1 SENTINEL LIGHTS & POLES

1.1.1.1 SENTINEL LIGHTS (RATE CODE 50)

The sentinel light rental program is designed to provide rural customers with low-cost security lighting. The service is provided primarily to rural residential, farm, and cottage customers, for whom street lighting is not available.

Based on Hydro One's recent Time Study, the customer charge is expected to increase slightly on an annual basis. Hydro One is proposing to charge a flat fee for these services over the entire planning period in order to avoid customer confusion and costly updates to its Customer Information System ("CIS"), customer correspondence, and internal work instructions.

The proposed rate for sentinel lights has been developed as follows:

1

Table 1: Specific Service Charges: Sentinel Lights

Specific Service Charges - Sentinel Lights							
Line No.	Particulars	Calculation of Revenue Requirement for Sentinel Lights					
		2017 (Current Rate)	2018	2019	2020	2021	2022
1	Mid-Year Rate Base	\$6.46	\$6.03	\$5.61	\$5.19	\$4.76	\$4.34
	Cost of Service						
2	Operating, maintenance & administrative	\$1.33	\$1.24	\$1.26	\$1.28	\$1.30	\$1.32
3	Depreciation & amortization	\$1.45	\$1.46	\$1.48	\$1.50	\$1.52	\$1.55
4	Income taxes	\$0.20	\$0.19	\$0.19	\$0.19	\$0.19	\$0.19
5	Cost of service excluding return	\$2.98	\$2.89	\$2.94	\$2.98	\$3.02	\$3.06
6	Return on capital	\$0.46	\$0.36	\$0.34	\$0.31	\$0.29	\$0.26
7	Total revenue requirement (\$M)	\$3.44	\$3.25	\$3.27	\$3.29	\$3.31	\$3.32
8	Mid- Year Number of Sentinel Lights	30,100	27,169	26,866	26,550	26,274	26,035
9	Annual Revenue Requirement per Light,\$	\$114.17	\$119.62	\$121.78	\$123.86	\$125.80	\$127.61
10	Calculated Monthly Charge Per Light	\$9.51	\$9.97	\$10.15	\$10.32	\$10.48	\$10.63
11	Proposed Monthly Charge Per Light		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00

2

1.1.1.2 SENTINEL LIGHT POLES (RATE CODE 51)

The sentinel light pole rental program is designed to provide rural customers with a pole to attach a light. The service is provided primarily to rural residential, farm, and cottage customers.

The proposed rate for sentinel light poles has been developed as follows:

Table 2: Specific Service Charges: Sentinel Light Poles

Specific Service Charges - Sentinel Light Poles							
Line No.	Particulars	Calculation of Revenue Requirement for Sentinel Light Poles					
		2017 (Current Rate)	2018	2019	2020	2021	2022
1	Mid-Year Rate Base		\$1.20	\$1.16	\$1.13	\$1.09	\$1.06
	Cost of Service						
2	Operating, maintenance & administrative						
3	Depreciation & amortization		\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
4	Income taxes		\$0.02	\$0.01	\$0.01	\$0.01	\$0.01
5	Cost of service excluding return		\$0.05	\$0.05	\$0.05	\$0.05	\$0.05
6	Return on capital		\$0.07	\$0.07	\$0.07	\$0.07	\$0.06
7	Total revenue requirement		\$0.12	\$0.12	\$0.12	\$0.12	\$0.11
8	Mid- Year Number of Sentinel Light Poles		1,428	1,418	1,407	1,399	1,392
9	Annual Revenue Requirement per Pole,\$		\$86.06	\$84.83	\$83.65	\$82.28	\$80.82
10	Calculated Monthly Charge Per Pole	\$4.15	\$7.17	\$7.07	\$6.97	\$6.86	\$6.74
11	Proposed Monthly Charge Per Pole		\$7.00	\$7.00	\$7.00	\$7.00	\$7.00

1.1.2 JOINT USE CHARGES

1.1.2.1 JOINT USE – TELECOMMUNICATIONS (RATE CODE 30)

In EB-2015-0141, the OEB accepted the methodology and determined a per attacher, per pole rate of \$41.28 for telecommunication companies that attach wireline attachments to Hydro One's poles. In November 2015, the OEB initiated a comprehensive policy review of miscellaneous rates and charges applied by electricity distributors, prioritizing the review of wireline pole attachments (EB-2015-0304). As a result of the consultation process, Hydro One expects the OEB will decide on an updated methodology for determining wireline charges for pole attachments.

For this Application, as seen in Table 3 below, Hydro One has calculated Joint Use Telecom charges from 2018 to 2022, using the methodology approved in EB-2015-0141. Hydro One proposes adopting these charges until the OEB issues its decision in EB-2015-0304. Once the Decision is issued, Hydro One will revise its charges to comply with it prospectively.

Using the methodology approved in EB-2015-0141, Table 3 shows how Hydro One updated the calculation using 2015 audited actual numbers as a basis to determine the 2016 rate. Hydro One proposes that the 2016 rate is escalated at a rate of CPI, less the currently applicable Hydro One productivity factor, to determine the rates from 2018 to 2022. Hydro One used the OEB inflation rates for years 2016 and 2017 and used projected CPI for the test years because the OEB inflation rates are not available during the test years period.

Table 3: Specific Service Charges - Joint Use Telecom

Calculation of Telecom Joint Use Costs	Rate based on EB-2015-0141	2016 (Based on Actual 2015 Data)	2017	2018	2019	2020	2021	2022
Net Embedded Cost	\$944.49	\$1,058.06						
Depreciation per Pole	\$23.83	\$25.77						
Capital Carrying Cost	\$80.19	\$83.27						
Maintenance (Lines Only)	\$4.69	\$3.92						
Total Capital Related Costs	\$108.71	\$112.95						
Allocated Capital Cost	\$37.29	\$38.74						
Loss of Productivity	\$3.09	\$3.15						
Administration	\$0.90	\$0.92						
Vegetation Mgmt	\$0.00	\$0.00						
Total Licensee Cost	\$41.28	\$42.78	\$43.42	\$43.99	\$44.60	\$45.22	\$45.84	\$46.47

Explanation of Underlying Pole Attachment Rate Calculations as seen in Table 3 above

1. **2015 Net Embedded Cost (NEC) of \$1,058.06** = {[2015 Year End Acquisition Value (\$2,801,889,133) - 2015 Accumulated Depreciation (\$845,860,708) = \$1,956,028,425]/Qty. of Poles on April 15, 2016 (1,571,384)} *85%
2. **2015 Depreciation Cost of \$25.77** = [2015 Year End Acquisition Value (\$2,801,889,133) * HONI Depreciation Rate (1.7%) * 85% allocation factor to remove any pole-associated assets] / Qty. of Poles (1,571,384)

3. **2015 Capital Carrying Cost of \$83.27** = 2015 NEC of \$1,058.06 * 2015 Pre-Tax
Weighted Average Cost of Capital (7.87%)

4. **2015 Pole Maintenance Costs of \$3.92** =

Lines Maintenance

- USofA 5120: Maintenance of Poles, Towers and Fixtures
 - Sub Account 1464 - Trouble Calls (\$15M) + Subaccount 1467 -
OM&A Cost Storm Response (\$1.5M) + Subaccount 1469 -
Defect Corrections (\$0.7M) = \$17.2M
 - \$17.2M x 5% (5% of the time work is pole related) = \$0.86M
- USofA 5125: Maintenance of Overhead Conductors and Devices
 - Subaccount 1464 - Trouble Calls (\$38.7M) + Subaccount 1467 -
OM&A Cost Storm Response (\$3.9M) + Subaccount 1469 -
Defect Corrections (\$3.6M) = \$46.2M
 - \$46.2M x 5% (5% of the time work is primary neutral conductor
related) = \$2.31M
- USofA 5020: Maintenance Line Patrols
 - (\$7.7021M)*77.5% (77.5% of the time, work is attributable to
Overhead Distribution Lines and Feeders) = \$5,969,127
 - \$5,969,127 x 50% (50% of the time, work is related to the pole) =
\$2,984,564
- **Total Lines Maintenance** = \$860,000 + \$2,310,000 + \$2,984,564
 - = \$6,154,564
 - = \$6,154,564 / 1,571,384 poles
 - = **\$3.92/pole**

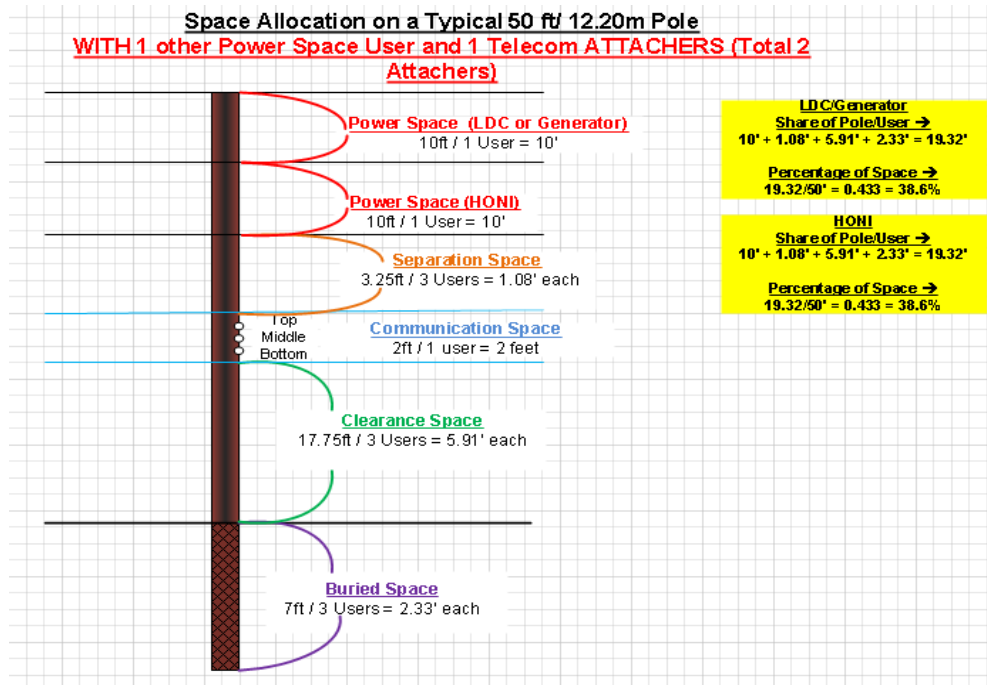
5. **Loss of Productivity of \$3.13** = Loss of Productivity approved in EB-2015-0141,
escalated for one year by OEB-approved Inflation Rate (1.9%), minus Hydro One
Productivity Factor (0.6%): $\$3.09 * [1 + (0.019 - 0.006)] = \3.13

1 6. **Administration Costs of \$0.91** = Admin. Costs approved in EB-2015-0141,
2 escalated for one year by OEB-approved Inflation Rate (1.9%), minus Hydro One
3 Productivity Factor (0.6%): $\$0.90 * [1 + (0.019 - 0.006)] = \0.91

4
5 **1.1.2.2 JOINT USE – LOCAL DISTRIBUTION COMPANIES (LDCS)**
6 **AND GENERATORS (RATE CODE 47 & 48)**
7

8 As referenced in EB-2013-0416, LDCs and generators both use power space, and require
9 the same space allocation. Using the OEB-approved methodology, as shown in Tables 4
10 and 5, Hydro One calculated the proposed charges using 2015 audited actual numbers as
11 a basis to determine the 2016 rate, with the modification of the space allocation factor
12 from 28.1% to 38.6% on a 50-foot pole, as seen in Figure 1 below. Hydro One proposes
13 escalating the 2016 rate at a rate of CPI, less the currently applicable Hydro One
14 productivity factor, to determine the rates from 2018 to 2022. Hydro One used the OEB
15 inflation rates for years 2016 and 2017 and used projected CPI for the test years as the
16 OEB inflation rates are not available during the forecast period.

1



2

3

4

5

Figure 1

Table 4: Specific Service Charge: LDC Joint Use

Calculation of LDC Joint Use Costs	2015 (from EB-2013-0416)	2017 (from EB-2013-0416)	2016 rate (Based on 2015 Actual Number)	2017	2018	2019	2020	2021	2022
Net Embedded Cost	\$745.86	\$760.85	\$1,058.06	-	-	-	-	-	-
Depreciation per Pole	\$12.68	\$12.93	\$25.77	-	-	-	-	-	-
Capital Carrying Cost	\$63.32	\$64.60	\$83.27	-	-	-	-	-	-
Maintenance (L&F)	\$82.41	\$84.07	\$73.16	-	-	-	-	-	-
Total Capital Related Costs	\$158.41	\$161.60	\$182.19	-	-	-	-	-	-
Allocated Capital Cost	\$44.51	\$45.41	\$70.33	-	-	-	-	-	-
Loss of Productivity	\$1.51	\$1.54	\$3.13	-	-	-	-	-	-
Administration	\$0.85	\$0.87	\$0.91	-	-	-	-	-	-

Calculation of LDC Joint Use Costs	2015 (from EB-2013-0416)	2017 (from EB-2013-0416)	2016 rate (Based on 2015 Actual Number)	2017	2018	2019	2020	2021	2022
Vegetation Mgmt	\$0.00	\$0.00	\$0.00	-	-	-	-	-	-
Licensee Cost (10' of power space)	\$46.88	\$47.82	\$74.37	\$75.48	\$76.46	\$77.53	\$78.60	\$79.69	\$80.78
Licensee Cost (15' of power space)	\$56.25	\$57.38	\$89.24	\$90.58	\$91.75	\$93.03	\$94.32	\$95.63	\$96.94
Licensee Cost (20' of power space)	\$62.81	\$64.08	\$99.15	\$100.64	\$101.95	\$103.37	\$104.80	\$106.25	\$107.71
Licensee Cost (25' of power space)	\$66.56	\$67.90	\$106.24	\$107.83	\$109.23	\$110.75	\$112.29	\$113.84	\$115.40
Licensee Cost (30' of power space)	\$70.31	\$71.73	\$111.55	\$113.22	\$114.69	\$116.29	\$117.90	\$119.53	\$121.17
Licensee Cost (35' of power space)	\$73.13	\$74.60	\$115.68	\$117.42	\$118.94	\$120.59	\$122.27	\$123.96	\$125.66
Licensee Cost (40' of power space)	\$75.00	\$76.51	\$118.99	\$120.77	\$122.34	\$124.04	\$125.76	\$127.50	\$129.25
Licensee Cost (45' of power space)	\$76.88	\$78.42	\$121.69	\$123.51	\$125.12	\$126.86	\$128.62	\$130.40	\$132.18
Licensee Cost (50' of power space)	\$77.81	\$79.38	\$123.94	\$125.80	\$127.44	\$129.21	\$131.00	\$132.81	\$134.63
Licensee Cost (55' of power space)	\$79.69	\$81.29	\$125.85	\$127.74	\$129.40	\$131.20	\$133.02	\$134.86	\$136.70
Licensee Cost (60' of power space)	\$80.63	\$82.25	\$127.48	\$129.40	\$131.08	\$132.90	\$134.75	\$136.61	\$138.48

Explanation of Underlying Pole Attachment Rate Calculations as seen in Table 4 above

1. **2015 Net Embedded Cost (NEC) of \$1,058.06** = {[2015 Year End Acquisition Value (\$2,801,889,133) - 2015 Accumulated Depreciation (\$845,860,708) = [\$1,956,028,425]/Qty. of Poles on April 15, 2016 (1,571,384)}*85%

2. **2015 Depreciation Cost of \$25.77** = [2015 Year End Acquisition Value (\$2,801,889,133) * HONI Depreciation Rate (1.7%) * 85% allocation factor to remove any pole-associated assets] / Qty. of Poles (1,571,384)

3. **2015 Capital Carrying Cost of \$83.27** = 2015 NEC of \$1,058.06 * 2015 Pre-Tax Weighted Average Cost of Capital (7.87%)

4. **2015 Pole Maintenance Costs of \$73.16** =

Lines Maintenance

- USofA 5120: Maintenance of Poles, Towers and Fixtures

- Sub Account 1464 - Trouble Calls (\$15M) + Subaccount 1467 - OM&A Cost Storm Response (\$1.5M) + Subaccount 1469 - Defect Corrections (\$0.7M) = \$17.2M

- \$17.2M x 5% (5% of the time work is pole related) = \$0.86M

- USofA 5125: Maintenance of Overhead Conductors and Devices

- Subaccount 1464 - Trouble Calls (\$38.7M) + Subaccount 1467 - OM&A Cost Storm Response (\$3.9M) + Subaccount 1469 - Defect Corrections (\$3.6M) = \$46.2M

- \$46.2M x 5% (5% of the time work is primary neutral conductor related) = \$2.31M

- USofA 5020: Maintenance Line Patrols

- (\$7.7021M)*77.5% (77.5% of the time, work is attributable to Overhead Distribution Lines and Feeders) = \$5,969,127

- $\$5,969,127 \times 50\%$ (50% of the time, work is related to the pole) =
\$2,984,564

- **Total Lines Maintenance** = $\$860,000 + \$2,310,000 + \$2,984,564$
 - = \$6,154,564
 - = $\$6,154,564 / 1,571,384$ poles
 - = **\$3.92/pole**

Forestry Maintenance

- Line Clearing = \$94.6M
- Brush Control = \$7.6M
- Customer Notification = \$6.6M
- **Total Forestry Maintenance** = $\$94.6M + \$7.6M + \$6.6M$
 - = $\$108.8M / 1,571,384$ poles
 - = **\$69.24/pole**

Total Lines & Forestry Maintenance = $\$3.92/\text{pole} + \$69.24/\text{pole}$

- **\$73.16 per pole**

5. **Loss of Productivity of \$3.13** = In determining the Loss of Productivity for this current filing, HONI accepted the Loss of Productivity approved in EB-2015-0141, and it was escalated for one year by OEB-approved Inflation Rate (1.9%), minus Hydro One Productivity Factor (0.6%): $\$3.09 * [1 + (0.019 - 0.006)] = \3.13
6. **Administration Costs of \$0.91** = In determining the Administration Costs for this current filing, HONI accepted the Administration Costs approved in EB-2015-0141, and it was escalated for one year by OEB-approved Inflation Rate (1.9%), minus Hydro One Productivity Factor (0.6%): $\$0.90 * [1 + (0.019 - 0.006)] = \0.91

1

Table 5: Specific Service Charge: Generator Joint Use

Calculation of Generator Joint Use Costs	2015 (from EB- 2013- 0416)	2017 (from EB- 2013- 0416)	2016 rate (Based on 2015 Actual Numbers)	2017	2018	2019	2020	2021	2022
Net Embedded Cost	\$745.86	\$760.85	\$1,058.06	-	-	-	-	-	-
Depreciation per Pole	\$12.68	\$12.93	\$25.77	-	-	-	-	-	-
Capital Carrying Cost	\$63.32	\$64.60	\$83.27	-	-	-	-	-	-
Maintenance (L&F)	\$82.41	\$84.07	\$73.16	-	-	-	-	-	-
Total Capital Related Costs	\$158.41	\$161.60	\$182.19	-	-	-	-	-	-
Allocated Capital Cost	\$44.51	\$45.41	\$70.33	-	-	-	-	-	-
Loss of Productivity	\$1.51	\$1.54	\$3.13	-	-	-	-	-	-
Administration	\$0.85	\$0.87	\$0.91	-	-	-	-	-	-
Vegetation Mgmt	\$0.00	\$0.00	\$0.00	-	-	-	-	-	-
Licensee Cost (10' of power space)	\$46.88	\$47.82	\$74.37	\$75.48	\$76.46	\$77.53	\$78.60	\$79.69	\$80.78
Licensee Cost (15' of power space)	\$56.25	\$57.38	\$89.24	\$90.58	\$91.75	\$93.03	\$94.32	\$95.63	\$96.94
Licensee Cost (20' of power space)	\$62.81	\$64.08	\$99.15	\$100.64	\$101.95	\$103.37	\$104.80	\$106.25	\$107.71
Licensee Cost (25' of power space)	\$66.56	\$67.90	\$106.24	\$107.83	\$109.23	\$110.75	\$112.29	\$113.84	\$115.40
Licensee Cost (30' of power space)	\$70.31	\$71.73	\$111.55	\$113.22	\$114.69	\$116.29	\$117.90	\$119.53	\$121.17
Licensee Cost (35' of power space)	\$73.13	\$74.60	\$115.68	\$117.42	\$118.94	\$120.59	\$122.27	\$123.96	\$125.66
Licensee Cost (40' of power space)	\$75.00	\$76.51	\$118.99	\$120.77	\$122.34	\$124.04	\$125.76	\$127.50	\$129.25
Licensee Cost (45' of power space)	\$76.88	\$78.42	\$121.69	\$123.51	\$125.12	\$126.86	\$128.62	\$130.40	\$132.18
Licensee Cost (50' of power space)	\$77.81	\$79.38	\$123.94	\$125.80	\$127.44	\$129.21	\$131.00	\$132.81	\$134.63
Licensee Cost (55' of power space)	\$79.69	\$81.29	\$125.85	\$127.74	\$129.40	\$131.20	\$133.02	\$134.86	\$136.70
Licensee Cost (60' of power space)	\$80.63	\$82.25	\$127.48	\$129.40	\$131.08	\$132.90	\$134.75	\$136.61	\$138.48

2

3

Explanation of Underlying Pole Attachment Rate Calculations as seen in Table 5 above

1. **2015 Net Embedded Cost (NEC) of \$1,058.06** = {[2015 Year End Acquisition Value (\$2,801,889,133) - 2015 Accumulated Depreciation (\$845,860,708) = \$1,956,028,425]/Qty. of Poles on April 15, 2016 (1,571,384)}*85%
2. **2015 Depreciation Cost of \$25.77** = [2015 Year End Acquisition Value (\$2,801,889,133) * HONI Depreciation Rate (1.7%) * 85% allocation factor to remove any pole-associated assets] / Qty. of Poles (1,571,384)
3. **2015 Capital Carrying Cost of \$83.27** = 2015 NEC of \$1,058.06 * 2015 Pre-Tax Weighted Average Cost of Capital (7.87%)
4. **2015 Pole Maintenance Costs of \$73.16** =

Lines Maintenance

- USofA 5120: Maintenance of Poles, Towers and Fixtures
 - Sub Account 1464 - Trouble Calls (\$15M) + Subaccount 1467 - OM&A Cost Storm Response (\$1.5M) + Subaccount 1469 - Defect Corrections (\$0.7M) = \$17.2M
 - \$17.2M x 5% (5% of the time work is pole related) = \$0.86M
- USofA 5125: Maintenance of Overhead Conductors and Devices
 - Subaccount 1464 - Trouble Calls (\$38.7M) + Subaccount 1467 - OM&A Cost Storm Response (\$3.9M) + Subaccount 1469 - Defect Corrections (\$3.6M) = \$46.2M
 - \$46.2M x 5% (5% of the time work is primary neutral conductor related) = \$2.31M

- USofA 5020: Maintenance Line Patrols
 - $(\$7.7021\text{M}) \times 77.5\%$ (77.5% of the time, work is attributable to Overhead Distribution Lines and Feeders) = \$5,969,127
 - $\$5,969,127 \times 50\%$ (50% of the time, work is related to the pole) = \$2,984,564
- **Total Lines Maintenance** = $\$860,000 + \$2,310,000 + \$2,984,564$
 - = \$6,154,564
 - = $\$6,154,564 / 1,571,384$ poles
 - = **\$3.92/pole**

Forestry Maintenance

- Line Clearing = \$94.6M
- Brush Control = \$7.6M
- Customer Notification = \$6.6M
- **Total Forestry Maintenance** = $\$94.6\text{M} + \$7.6\text{M} + \$6.6\text{M}$
 - = $\$108.8\text{M} / 1,571,384$ poles
 - = **\$69.24/pole**

Total Lines & Forestry Maintenance = $\$3.92/\text{pole} + \$69.24/\text{pole}$

- **\$73.16 per pole**

5. **Loss of Productivity of \$3.13** = In determining the Loss of Productivity for this current filing, HONI accepted the Loss of Productivity approved in EB-2015-0141, and it was escalated for one year by OEB-approved Inflation Rate (1.9%), minus Hydro One Productivity Factor (0.6%): $\$3.09 \times [1 + (0.019 - 0.006)] = \3.13
6. **Administration Costs of \$0.91** = In determining the Administration Costs for this current filing, HONI accepted the Administration Costs approved in EB-2015-0141, and it was escalated for one year by OEB-approved Inflation Rate (1.9%), minus Hydro One Productivity Factor (0.6%): $\$0.90 \times [1 + (0.019 - 0.006)] = \0.91



MISCELLANEOUS SERVICE CHARGES STUDY

Prepared: December 29, 2016

Contents

1.0	EXECUTIVE SUMMARY	11
2.0	INTRODUCTION AND BACKGROUND	16
3.0	STUDY APPROACH.....	17
3.1	Study Objectives	18
3.2	Key Study Steps	18
3.3	Establishing a Study Working Group.....	18
3.4	Identify Scope of Service Charges to be Included in the Study	19
3.5	Identify the Data Required.....	19
3.6	Develop Work Forms and Collect Data	19
3.7	Guidance and Review of Study Approach and Methodology	21
3.8	Data Compilation and Initial Data Analysis.....	22
3.9	Preparation and Review of Preliminary Draft and Results	22
3.9.1	Standard Amount.....	22
3.9.2	Standard Formula.....	22
3.10	Preparation of Evidence and Schedules.....	23
3.11	Study Assumptions.....	24
3.11.1	Hours.....	24
3.11.2	Underlying Costs	24
3.12	Study Observations	25
4.0	HYDRO ONE RECOMMENDATIONS	26
5.0	MISCELLANEOUS SERVICE CHARGES	28
5.1	Arrears Certificate – OEB Rate Code #1	28
5.2	Statement of Account – OEB Rate Code #2	28
5.2.1	Process Steps	29
5.2.2	Underlying Costs	29
5.2.3	Recommendation.....	29
5.3	Pulling Post-Dated Cheques – OEB Rate Code #3	30
5.4	Duplicate Invoices for Previous Billing – OEB Rate Code #4	30
5.4.1	Process Steps	30
5.4.2	Underlying Costs	31
5.4.3	Recommendation.....	31
5.5	Request for Other Billing Information – OEB Rate Code #5	31
5.5.1	Process Steps	32
5.5.2	Underlying Costs	32

5.5.3	Recommendation.....	32
5.6	Easement Letters – OEB Rate Code #6	33
5.6.1	Process Steps	33
5.6.2	Underlying Costs	33
5.6.3	Recommendation	34
5.7	Income Tax Letter – OEB Rate Code #7	34
5.7.1	Process Steps	34
5.7.2	Underlying Costs	35
5.7.3	Recommendation.....	35
5.8	Notification Charge – OEB Rate Code #8	35
5.9	Account History – OEB Rate Code #9.....	35
5.9.1	Process Steps	36
5.9.2	Underlying Costs	36
5.9.3	Recommendation.....	37
5.10	Credit Reference / Credit Check (plus credit agency costs) – OEB Rate Code #10.....	37
5.10.1	Process Steps	37
5.10.2	Underlying Costs	37
5.10.3	Recommendation.....	38
5.11	Returned Cheque Charge (plus Bank charges) – OEB Rate Code #11.....	38
5.11.1	Process Steps	38
5.11.2	Underlying Costs	38
5.11.3	Recommendation.....	39
5.12	Charge to Certify Cheque – OEB Rate Code #12	39
5.13	Legal Letter Charge – OEB Rate Code #13	39
5.14	Account Set Up Charge / Change of Occupancy – OEB Rate Code #14	39
5.14.1	Process Steps.....	40
5.14.2	Underlying Costs	40
5.14.3	Recommendation.....	41
5.15	Special Meter Reads – OEB Rate Code #15.....	41
5.15.1	Underlying Costs	41
5.15.2	Recommendation.....	42
5.16	Collection of Account Charge – No Disconnect during regular hours – OEB Rate Code #16	42
5.16.1	Underlying Costs	42
5.16.2	Recommendation.....	42
5.17	Collection of Account Charge – No Disconnect after regular hours – OEB Rate Code #17	43

5.18	Collection - Disconnect / Reconnect at Meter –OEB Rate Code #18 and Install / Remove Load Control Device – OEB Rate Codes #19 – during Regular Hours	43
5.18.1	Underlying Costs	43
5.18.2	Recommendation.....	45
5.19	Collection - Disconnect / Reconnect at Meter –OEB Rate Code #20 and Install / Remove Load Control Device – OEB Rate Codes #21 – after Regular Hours.....	46
5.19.1	Underlying Costs	46
	Collection - Disconnect / Reconnect at the Meter after Regular Hours – OEB Code #20	46
5.19.2	Recommendation.....	48
5.20	Collection - Disconnect / Reconnect at Pole –Rate Codes #22 and #23	48
5.20.1	Underlying Costs	49
5.20.2	Recommendation.....	50
5.21	Meter Dispute Charge (plus Measurement Canada fees if meter found correct).....	50
5.21.1	Underlying Costs	50
	Table 21: Derivation of the Underlying Costs for Meter Dispute Charge involving Measurement Canada	51
5.21.2	Recommendation.....	51
5.22	Service Call – Customer-owned equipment– OEB Rate Codes #25 and #26	51
5.22.1	Underlying Costs	51
5.22.2	Recommendation.....	53
5.23	Temporary Service Install and Remove –OEB Rate Codes #27, #28 and #29	53
5.23.1	Recommendation.....	53
5.24	Specific Charge for Access to the Power Poles – Telecom Only – OEB Rate Code #30	53
5.25	Vacant Premise Reconnect at Meter and at Pole – Hydro One Codes #31a and #31b	54
5.25.1	Underlying Costs	54
5.25.2	Recommendation.....	55
5.26	Reconnect completed after regular hours (customer / contract driven) - at the meter or at the pole – Hydro One Codes #32 and #33	55
5.26.1	Underlying Costs	55
5.26.2	Recommendations	56
5.27	Additional Service Layout Fee - Basic (more than one hour) – Hydro One Codes #34 and #35.....	57
5.27.1	Underlying Costs	57
5.27.2	Recommendation.....	59
5.28	Pipeline Crossings – Hydro One #36	59
5.28.1	Underlying Costs	60
5.28.2	Recommendation.....	60

5.29	Water Crossings – Hydro One Code #37	60
5.29.1	Underlying Costs	61
5.29.2	Recommendation.....	61
5.30	Railway Crossings – Hydro One Code #38.....	61
5.30.1	Underlying Costs	63
5.30.2	Recommendation.....	63
5.31	Line Staking per Meter – Hydro One Codes #39a, 39b and 39c	64
5.31.1	Underlying Costs of Overhead Line Staking per Meter.....	64
5.31.1.1	Recommendation.....	64
5.31.2	Underlying Costs Underground Line Staking per Meter	65
5.31.2.1	Recommendation.....	65
5.31.3	Underlying Costs for Submarine Cable Line Staking per Meter.....	65
5.31.3.1	Recommendation.....	66
5.32	Central Metering - New Service <45kW – Hydro One Code #40	66
5.32.1	Recommendation.....	66
5.33	Conversion to Central Metering <45kW (Lines & MDET only) – Hydro One Code #41	67
5.33.1	Underlying Costs	67
5.33.2	Recommendation.....	67
5.34	Conversion to Central Metering >45kW (Lines & MDET only) – Hydro One Code #42	68
5.34.1	Underlying Costs	68
5.34.2	Recommendation.....	68
5.35	Tingle / Stray Voltage Investigation - excess of 4 hours (per hour-average 2 additional hours)	69
5.35.1	Recommendation.....	69
5.36	Stand-by Administration Charge – Hydro One Code #44	69
5.37	Connection Impact Assessments - Hydro One Codes #45a, 45b, 45c, 45d, 45e and 45f	70
5.37.1	Process Steps	70
5.37.2	Underlying Costs of Connection Impact Assessments – Net Metering – Hydro Code #45a 71	
5.37.2.1	Recommendation.....	72
5.37.3	Connection Impact Assessments - Embedded LDC Generators – Hydro One Code #45b ..	72
5.37.3.1	Recommendation.....	73
5.37.4	Connection Impact Assessments - Small Projects < 500 kW – Hydro One Code #45c	74
5.37.4.1	Recommendation.....	74
5.37.5	Connection Impact Assessments - Small Projects < 500 kW, Simplified – Hydro One Code #45d 74	

5.37.5.1 Recommendation.....	75
5.37.6 Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects – Hydro One Code #45e.....	76
5.37.6.1 Recommendation.....	76
5.37.7 Connection Impact Assessments – Capacity Allocation Exempt Projects - TS Review for Embedded LDC Allocation Required Projects – Hydro One Code #45f	77
5.37.7.1 Recommendation.....	78
Appendix A.....	79
Time Study Data Work Sheets	79
Appendix B.....	88
Summary Tables of Support Data	88

List of Tables

Table 1: Summary of Proposed Changes to the Fees Charges for Miscellaneous.....	12
Table 2: Derivation of the Underlying Costs for Statements of Account	29
Table 3: Derivation of the Underlying Costs for Duplicate Invoices	31
Table 4: Derivation of the Underlying Costs for Requests for Other Billing Information	32
Table 5: Derivation of the Underlying Costs for Easement Letters.....	34
Table 6: Derivation of the Underlying Costs for Income Tax Letters	35
Table 7: Derivation of Underlying Costs for Account History.....	36
Table 8: Derivation of the Underlying Costs for Credit Reference or Credit Checks	37
Table 9: Derivation of the Underlying Costs for Returned Cheques	39
Table 10: Derivation of the Underlying Costs for Account Set Up Charges.....	40
Table 11: Derivation of the Underlying Costs for Special Meter Reads	41
Table 12: Derivation of the Underlying Costs for Collection of Account Charge – No Disconnect during regular hours	42
Table 13: Derivation of the Underlying Costs for Disconnect / Reconnect at a Meter during Regular Hours.....	44
Table 14: Derivation of the Underlying Costs for the Installation / Removal of a Load Control Device during Regular Hours.....	44
Table 15: Derivation of the Underlying Costs for the Combined Collection Activities of Disconnect / Reconnect at the Meter or Installation / Removal of a Load Control Device during Regular Hours	45
Table 16: Derivation of the Underlying Costs for a Disconnection / Reconnection at the Meter after Regular Hours	47
Table 17: Derivation of the Underlying Costs for the Installation / Removal of a Load Control Device after Regular Hours.....	47
Table 18: Derivation of the Combined Underlying Costs for the Disconnect / Reconnect at the Meter or Installation / Removal of a Load Control Device after Regular Hours.....	48
Table 19: Derivation of the Underlying Costs for the Collection including a Disconnection / Reconnection at the Pole during Regular Hours	49

Table 20: Derivation of the Underlying Costs for the Collection including a Disconnection / Reconnection at the Pole after Regular Hours	50
Table 21: Derivation of the Underlying Costs for Meter Dispute Charge involving Measurement Canada	51
Table 22: Derivation of the Underlying Costs for a Service Call for Customer-Owned Equipment during Regular Hours	52
Table 23: Derivation of the Underlying Costs for a Service Call for Customer-Owned Equipment after Regular Hours	52
Table 24: Derivation of the Underlying Costs for a Vacant Premise Notice – Move in with Reconnect of Electrical Service at Meter during Regular Hours	54
Table 25: Derivation of the Underlying Costs for a Vacant Premise Notice – Move in with Reconnect of Electrical Service at Pole during Regular Hours.....	55
Table 26: Derivation of the Underlying Costs for a Reconnect completed after hours (customer/contract driven) - at the meter.....	56
Table 27: Derivation of the Underlying Costs for a Reconnect completed after hours (customer/contract driven) - at the pole.....	56
Table 28: Derivation of the Underlying Costs for an Additional Basic Service Layout.....	58
Table 29: Derivation of the Underlying Costs for an Additional Complex Service Layout.....	58
Table 30: Derivation of the Underlying Costs for an Additional Service Layout – Basic and Complex Combined.....	59
Table 31: Derivation of the Underlying Costs for Pipeline Crossings.....	60
Table 32: Derivation of the Underlying Costs for Water Crossings	61
Table 33: Examples of Pass-Through Charges from Railway Companies	61
Table 34: Derivation of the Underlying Costs for Railway Crossings	63
Table 35: Derivation of the Underlying Costs for Overhead Line Staking (per meter).....	64
Table 36: Derivation of the Underlying Costs for Under Ground Staking (per meter)	65
Table 37: Derivation of the Underlying Costs for Submarine Cable Line Staking (per meter).....	66
Table 38: Derivation of the Underlying Costs for Conversion to Central Metering <45kW.....	67
Table 39: Derivation of the Underlying Costs for Conversion to Central Metering >45kW.....	68
Table 40: Derivation of the Underlying Costs for Connection Impact Assessments.....	72
Table 41: Derivation of the Underlying Costs for Connection Impact Assessments – Embedded LDC Generators	73
Table 42: Derivation of the Underlying Costs for Connection Impact Assessments – Small Projects <500kW	74
Table 43: Derivation of the Underlying Costs for Connection Impact Assessments – Small Projects <500kW Simplified.....	75
Table 44: Derivation of the Underlying Costs for Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects.....	76
Table 45: Derivation of the Underlying Costs for Connection Impact Assessments – Transformer Station Review for Embedded LDC Generators, Capacity Allocation Requests.....	77

Additional Tables

Table B-1: Study Data for the Statement of Account Specific Service Charge	89
Table B-2: Study Data for Duplicate Invoices for Previous Billing Specific Service Charge	90
Table B-3: Study Data for the Request for Other Billing Information and Account History Specific Service Charges	91
Table B-4: Study Data for an Easement Letter Specific Service Charge	92
Table B-5: Study Data for an Income Tax Letter Specific Service Charge	93
Table B-6: Study Data for Credit Reference / Credit Check Specific Service Charge	97
Table B-7: Study Data for Returned Cheque Specific Service Charge	9598
Table B-8: Study Data for an Account Set Up / Change of Occupancy Specific Service Charge	99
Table B-9: Study Data for a Special Meter Read Specific Service Charge	970
Table B-10: Study Data for a Collection of Account – No Disconnection Service Charge	98
Table B-11: Study Data for a Collection of Account – Disconnect / Reconnect at Meter during Regular Hours	99
Table B-12: Study Data for a Collection – Install / Remove Load Control Device during Regular Hours Service Charge	100
Table B-13: Study Data for a Collection – Disconnect / Reconnect at meter after Regular Hours Service Charge	101
Table B-14: Study Data for a Collection – Install / Remove a Load Control Device after Regular Hours Service Charge	102
Table B-15: Study Data for a Collection – Disconnect / Reconnect at Pole during Regular Hours Service Charge	103
Table B-16: Study Data for a Collection – Disconnect / Reconnect at the Pole after Regular Hours Service Charge	104
Table B-17: Study Data for a Meter Dispute Service Charge	105
Table B-18: Study Data for a Service Call –for Customer-Owned Equipment during Regular Hours Service Charge	106
Table B-19: Study Data for a Service Call on Customer-Owned Equipment after Regular Hours Service Charge	107
Table B-20: Study Data for a Vacant Premise – Move in with Reconnect of Electrical Service at Meter Charge	108
Table B-21: Study Data for a Vacant Premise – Move in with Reconnect of Electrical Service at Pole Charge	108
Table B-22: Study Data for a Reconnect Completed after Regular Hours at Meter Service Charge	110
Table B-23: Study Data for a Reconnect Completed after Regular Hours at Pole Service Charge	111
Table B-24: Study Data for an Additional Basic Service Layout Service Charge	112
Table B-25: Study Data for an Additional Complex Service Layout Service Charge	1136
Table B-26: Study Data for Pipeline Crossings Service Charge	114
Table B-27: Study Data for a Water Crossings Service Charge	115
Table B-28: Study Data for a Railway Crossings Service Charge	116
Table B-29: Study Data for Underground Line Staking Service Charge	118
Table B-30: Study Data for Submarine Cable Line Staking Service Charge	119
Table B-31: Study Data for a Conversion to Central Metering less than 45kW Service Charge	120
Table B-32: Study Data for a Conversion to Central Metering greater than 45kW Service Charge	121
Table B-33: Study Data for a Connection Impact Assessment for Net Metering Service Charge	122
Table B-34: Study Data for a Connection Impact Assessment for Embedded LDC Generators Service Charge	123

Table B-35: Study Data for a Connection Impact Assessment for Small Projects less than 500kW Service Charge	124
Table B-36: Study Data for a Connection Impact Assessment for Small Projects less than 500kW, Simplified Service Charge	125
Table B-37: Study Data for a Connection Impact Assessments for Greater than CAE CAR Projects Service Charge	126
Table B-38: Study Data for a CIA Greater than CAE Projects with a TS Review for LDC CAR Projects Service Charge	127

List of Figures

Figure 1 - Standard Formula Calculations Table from the OEB's 2006 Rate Handbook	23
Figure A-1: Miscellaneous Costs Time Study - Form A	79
Figure A-2: Miscellaneous Costs Time Study - Form B.....	80
Figure A-3: Connection Impact Assessment Time Study – Form D1a.....	81
Figure A-4: Connection Impact Assessment Time Study Form – D2	82
Figure A-5: Connection Impact Assessment Time Study Form – D3A	83
Figure A-6: Connection Impact Assessment Time Study Form – D3B.....	84
Figure A-7: Connection Impact Assessment Time Study Form – D3C.....	85
Figure A-8: Connection Impact Assessment Time Study Form – D4	86
Figure A-9: Connection Impact Assessment Time Study Form – D1b	87

1.0 EXECUTIVE SUMMARY

Hydro One's Distribution Rate filing (EB-2013-0416) proposed rates for miscellaneous services (Exhibit G2, Tab 5, Schedule 1) performed over and above the standard level of service as defined by the Distribution System Code. The costs of providing the standard level of service are recovered in a Local Distribution Company's ("LDC") regular distribution rates. Miscellaneous services are provided at a customer's request or as the result of a customer's action or inaction and impose costs on the distributor. In the Ontario Energy Board's ("OEB") Decision in this rate application issued March 12, 2015, Hydro One was directed to perform a study ("the Study") to determine Hydro One's underlying costs and propose changes to fees charged for the performance of miscellaneous services to allow recovery of the underlying costs of providing each service.

Hydro One performed a time study on the tasks of the specific services and identified other associated costs including labour rates and burdens, fleet costs, material costs and pass-through charges. The approaches found in the OEB's 2006 Electricity Distribution Rate Handbook, Chapter 11 were used to define the level of the charge to bill the customer. Factors considered in the proposals for changes to the specific service fees included:

- Recovery of underlying costs;
- Elimination of cross-subsidization of costs;
- Separating tasks to avoid over recovery for the benefit of the customer

The resulting proposals for changes to the fees for each service are found in Table 1. Further general recommendations can be found in Section 4.0.

Table 1: Summary of Proposed Changes to the Fees Charges for Miscellaneous

Rate Code	Standard Name	Std. Amount, 2006 & Hydro One Current Charge	Underlying Cost, 2016	\$ change	% change	Proposed Fee Change for Each Specific Service
1	Arrears certificate	\$ 15.00	N/A	N/A	N/A	Market restructuring brought about the corporatization of the distribution sector and removed this tool to recover payment defaults. This charge should be removed from the Handbook.
2	Statement of account	\$ 15.00	\$ 13.71	\$ (1.29)	-9%	Hydro One proposes this charge be decreased to \$13.71 to avoid over collection of underlying costs.
3	Pulling post- dated cheques	\$ 15.00	N/A	N/A	N/A	This service is not provided by Hydro One.
4	Duplicate invoices for previous billing	\$ 15.00	\$ 12.72	\$ (2.28)	-15%	Hydro One proposes this charge be decreased to \$12.72 to avoid over collection of underlying costs.
5	Request for other billing information	\$ 15.00	\$ 13.71	\$ (1.29)	-9%	Hydro One proposes this charge be decreased to \$13.71 to avoid over collection of underlying costs.
6	Easement letter	\$ 15.00	\$ 84.32	\$ 69.32	462%	Hydro One proposes this charge be increased to \$84.32 to allow recovery of underlying costs.
7	Income tax letter	\$ 15.00	\$ 12.72	\$ (2.28)	-15%	Hydro One proposes this charge be decreased to \$12.72 to avoid over collection of underlying costs.
8	Notification charge	\$ 15.00	N/A	N/A	N/A	This service is not provided by Hydro One.
9	Account History	\$ 15.00	\$ 13.71	\$ (1.29)	-9%	Hydro One proposes this charge be decreased to \$13.71 to avoid over collection of underlying costs.
10	Credit reference/credit check (plus credit agency costs)	\$ 15.00	\$ 18.84	\$ 3.84	26%	Hydro One proposes this charge be increased to \$18.84 to allow recovery of underlying costs.
11	Returned cheque charge	\$ 15.00	\$ 6.94	\$ 8.06	-54%	Hydro One proposes this charge be decreased to \$6.94 to avoid over collection of underlying costs.
12	Charge to certify cheque	\$ 15.00	N/A	N/A	N/A	This service is not provided by Hydro One.
13	Legal letter charge	\$ 15.00	N/A	N/A	N/A	Hydro One proposes the charge for preparing a legal letter should be based on the actual time and labour costs an individual basis.

Miscellaneous Service Charges



Rate Code	Standard Name	Std. Amount, 2006 & Hydro One Current Charge	Underlying Cost, 2016	\$ change	% change	Proposed Fee Change for Each Specific Service
14	Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$ 30.00	\$ 35.20	\$ 5.20	17%	Hydro One proposes this charge be increased to \$35.20 to allow recovery of underlying costs.
15	Special Meter Reads (retailer requested off-cycle read)	\$ 30.00	\$ 88.80	\$ 58.80	196%	Hydro One proposes this charge be increased to \$88.80 to allow recovery of underlying costs.
16	Collection of account charge - no disconnection	\$ 30.00	\$ 95.65	\$ 65.65	219%	Hydro One proposes this charge be increased to \$95.65 to allow recovery of underlying costs.
17	Collection of account charge - no disconnection - after regular hours	\$ 165.00	N/A	N/A	N/A	This service is not provided by Hydro One.
18	Collection - Disconnect/Reconnect at meter - during regular hours	\$ 65.00	\$ 114.54	\$ 9.54	76%	Hydro One proposes that due to the similarity of these two services, the rate codes be combined and the charge increased to \$114.65 to allow recovery of underlying costs.
19	Collection - Install/Remove load control device - during regular hours	\$ 65.00	\$ 119.02	\$ 4.02	83%	
20	Collection - Disconnect/Reconnect at meter - after regular hours	\$ 185.00	\$ 411.07	\$ 26.07	122%	Hydro One proposes that due to the similarity of these two services, the rate codes be combined and the charge increased to \$406.85 to allow recovery of underlying costs.
21	Collection - Install/Remove load control device - after regular hours	\$ 185.00	\$ 396.41	\$ 11.41	114%	
22	Collection - Disconnect/Reconnect at pole - during regular hours	\$ 185.00	\$ 302.35	\$ 117.35	63%	Hydro One proposes this charge be increased to \$302.35 to allow recovery of underlying costs.
23	Collection - Disconnect/Reconnect at pole - after regular hours	\$ 415.00	\$ 800.97	\$ 385.97	93%	Hydro One proposes this charge be increased to \$800.97 to allow recovery of underlying costs.
24	Meter Dispute Charge - Measurement Canada	\$ 30.00	\$ 274.92	\$ 244.92	816%	Hydro One proposes this charge be increased to \$274.92 to allow recovery of underlying costs.
25	Service call - customer owned equipment - during regular hours	\$ 30.00	\$ 201.15	\$ 171.15	570%	Hydro One proposes this charge be increased to \$201.15 to allow recovery of underlying costs.
26	Service call - customer owned equipment - after regular hours	\$ 165.00	\$ 745.17	\$ 580.17	352%	Hydro One proposes this charge be increased to \$745.17 to allow recovery of underlying costs.
27	Temporary Service Install & Remove - overhead - no transformer	\$ 500.00	N/A	N/A	N/A	The tasks associated with these services can greatly vary depending on the circumstances. Hydro One proposes that the fee charged to the customers be based on actual time, equipment and material costs to perform each specific job.
28	Temporary Service Install & Remove - underground - no transformer	\$ 300.00	N/A	N/A	N/A	
29	Temporary Service Install & Remove - overhead - with transformer	\$ 1,000.00	N/A	N/A	N/A	

Miscellaneous Service Charges



Rate Code	Standard Name	Std. Amount, 2006 & Hydro One Current Charge	Underlying Cost, 2016	\$ change	% change	Proposed Fee Change for Each Specific Service
30	Specific Charge for Access to the Power Poles \$/pole/year	\$ 22.35	TBD	N/A	N/A	New proposed rates were not part of this time study. New rates will be calculated using the approved OEB methodology from EB-2015-0141.
31a	Vacant Premise - Move in with Reconnect of Electrical Service at Meter	NEW	\$ 93.09	NEW	NEW	This service is performed by Hydro One but has not been charged for in the past. Hydro One proposes the charge for performing this service be set at \$93.09 to allow recovery of the underlying costs.
31b	Vacant Premise - Move in with Reconnect of Electrical Service at Pole	NEW	\$ 286.09	NEW	NEW	This service is performed by Hydro One but has not been charged for in the past. Hydro One proposes the charge for performing this service be set at \$286.09 to allow recovery of the underlying costs.
32	Reconnect completed after hours (customer/contract driven) - at meter	NEW	\$ 231.66	NEW	NEW	This service is performed by Hydro One but has not been charged for in the past. Hydro One proposes the charge for performing this service be set at \$231.66 to allow recovery of the underlying costs.
33	Reconnect completed after hours (customer/contract driven) - at pole	NEW	\$ 453.72	NEW	NEW	This service is performed by Hydro One but has not been charged for in the past. Hydro One proposes the charge for performing this service be set at \$453.72 to allow recovery of the underlying costs.
34	Additional Service Layout Fee - Basic (more than one hour)	\$ 635.00	\$ 544.82	\$ (90.18)	-14%	Hydro One proposes that due to the similarity of these two services, the rate codes be combined and the charge increased to \$548.81 to allow recovery of underlying costs.
35	Additional Service Layout Fee - Complex (more than one hour)	\$ 845.00	\$ 553.06	\$ (291.94)	-35%	
36	Pipeline Crossings	\$ 2,540.00	\$ 2,295.10	\$ (244.90)	-10%	Hydro One proposes this charge be decreased to \$2,295.10 to avoid over collection of underlying costs.
37	Water Crossings	\$ 3,225.00	\$ 3,425.42	\$ 200.42	6%	Hydro One proposes this charge be increased to \$3,425.42 to allow recovery of underlying costs.
38	Railway Crossings	\$ 6,095.00	\$ 4,549.27	\$ (1,545.73)	-25%	Hydro One proposes this charge be decreased to \$4,549.27 to avoid over collection of underlying costs.
39a	Overhead Line Staking per Meter	\$ 4.95	\$ 4.04	\$ (0.91)	-18%	The study identified the variation in costs per meter to perform line staking for overhead, underground and submarine cable. Hydro One therefore proposes each type of line staking should have its own unique charge representative of the actual underlying costs.
39b	Under Ground Line Staking per Meter	\$ 4.95	\$ 2.92	\$ (2.03)	-41%	
39c	Submarine Cable Line Staking per Meter	\$ 4.95	\$ 2.55	\$ (2.40)	-49%	

Miscellaneous Service Charges



Rate Code	Standard Name	Std. Amount, 2006 & Hydro One Current Charge	Underlying Cost, 2016	\$ change	% change	Proposed Fee Change for Each Specific Service
40	Central Metering - New Service <45kW	\$ 120.00	\$ 100.00	\$ (20.00)	-17%	Hydro One proposes this charge be decreased to \$100.00 to avoid over collection of underlying costs.
41	Conversion to Central Metering <45kW (Lines & MDET only)	\$ 1,035.00	\$ 1,495.00	\$ 459.81	44%	Hydro One proposes this charge be increased to \$1,495.00 to allow recovery of underlying costs.
42	Conversion to Central Metering >45kW (Lines & MDET only)	\$ 915.00	\$ 1,395.00	\$ 480.45	53%	Hydro One proposes this charge be increased to \$1,395.00 to allow recovery of underlying costs.
43	Tingle/Stray Voltage Investigation - excess of 4 hours, if customer equipment is defective	N/A	N/A	N/A	N/A	A charge for Tingle/Stray Voltage Investigation is no longer required.
44	Stand-by Administration Charge	N/A	N/A	N/A	N/A	Hydro One does not charge this fee.
45a	Connection Impact Assessments - Net Metering	\$ 5,620.00	\$ 3,051.48	\$ (2,568.52)	-46%	In review of the data collected in the performance of Connection Impact Assessments ("CIA"s), Hydro One has identified six different categories of CIAs. These six categories have unique underlying costs. Hydro One therefore proposes the underlying costs based on time, equipment and material for each type of CIA be charged to the customer for the performance of these services.
45b	Connection Impact Assessments - Embedded LDC Generators	\$ 5,620.00	\$ 2,727.78	\$ (2,892.22)	-51%	
45c	Connection Impact Assessments - Small Projects ≤ 500 kW	\$ 5,620.00	\$ 3,115.38	\$ (2,504.62)	-45%	
45d	Connection Impact Assessments - Small Projects ≤ 500 kW, Simplified	\$ 5,620.00	\$ 1,879.32	\$ (3,740.68)	-67%	
45e	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects	\$ 12,055.00	\$ 8,268.54	\$ (3,785.00)	-31%	
45f	Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects	\$ 12,055.00	\$ 5,455.40	\$ (6,600.00)	-55%	

2.0 INTRODUCTION AND BACKGROUND

Miscellaneous Service Charges are an integral part of a distributor's approved schedule of rates. The revenue from these charges is taken into account in calculating total revenue requirement.

Hydro One's Distribution Rate filing (EB-2013-0416) proposed rates for miscellaneous services (Exhibit G2, Tab 5, Schedule 1) performed over and above the standard level of service as defined by the Distribution System Code. The costs of providing the standard level of service are recovered in an LDC's regular distribution rates. Miscellaneous services are provided at a customer's request or as the result of a customer's action or inaction and impose costs on the distributor.

The rates proposed by Hydro One in EB-2013-0416 for miscellaneous charges were as per the OEB's Distribution Rate Handbook (Section 11) which sets out the specific level of a charge or specific bases for the determination of a charge. Distributors can choose one of the following four approaches to define the level of charge to bill a customer:

- A standard amount as specified in Schedule 11-1 of the handbook;
- A standard formula, as specified in Schedule 11-2 of the handbook, with adjustments if the applicant elects to adjust the level determined by the standard formula. If adjusted, it must provide additional evidence of cost justification for the adjustments;
- A level determined on a basis other than the standard formula and evidence to justify the use of a non-standard formula;
- A distributor may also specify in its Conditions of Service that the specific service being provided will be charged on an actual cost, time and materials basis, or a pass-through of third party costs. On this basis, approval of the Board is not required, but the applicant must maintain records that demonstrate that the actual cost was charged to the customer.

The OEB's decision and direction in response to Hydro One's proposed Miscellaneous Charges Rates (EB-2013-0416 / EB-2014-0247, Exhibit G2, Tab 5, Schedule 1), dated March 12, 2015, is cited below.

SIA [Sustainable Infrastructure Alliance] raised a concern that Hydro One's charges for miscellaneous services significantly under-recover the true cost of the services. SIA suggested that the charges should be updated to more closely reflect actual costs, which would offset some revenue to be collected from rates. While Hydro One agreed that the charges under-recover costs, the company submitted that the charges are consistent with the OEB's rate handbook, and that a review of the charges should be undertaken on a generic basis. The OEB has indicated that it will initiate a review of service charges in the distribution sector. However, as Hydro One has unique service characteristics, the OEB directs Hydro One to file, as part of its next rates application, a study assessing whether its service charges reflect Hydro One's underlying costs and to propose changes accordingly. Hydro One's study is to be informed by any available OEB guidance that results from the generic review.

3.0 STUDY APPROACH

The objective of the study was to assess whether the service fees charged by Hydro One recover the underlying costs for the services provided over and above the distributor's standard level of service due to a customer's request or as a result of customer's action or inaction. The costs must be covered by those customers to alleviate the current cross-subsidization by Hydro One's full customer base in rates. The underlying costs for each of these services may include direct labour hours and rates (including admin overheads), burden rate, fleet rates and material costs. Data was collected for these costs for each specific service.

3.1 Study Objectives

The objectives of this study as directed by the OEB are:

- To determine Hydro One's underlying costs for each miscellaneous service performed over and above the standard level of service in accordance with the Distribution System Code; and
- To propose changes to fees charged for the performance of miscellaneous services to allow recovery of the underlying costs of providing each service.

3.2 Key Study Steps

The key steps for performing the study are summarized below and described in the following subsections:

1. Establish a study working group
2. Identify scope of service charges to be included in the study
3. Identify the data required
4. Develop work forms and collect data
5. Guidance and review of study approach and methodology
6. Data compilation and initial data analysis
7. Preparation and review of preliminary draft and results
8. Preparation of evidence and schedules

3.3 Establishing a Study Working Group

The Study required commitment and participation by a number of organizations within the company such as Provincial Lines, Customer Care, Asset Management and Regulatory Affairs. A working group was established at the onset of the Study. The working group members represented their organizations in terms of reviewing and approving the methodology for the study and supporting and facilitating the data collection and reporting process. The collection of data required a significant level of effort for the affected lines of business and a commitment to both the methodology and data collection was a critical prerequisite to begin the study.

3.4 Identify Scope of Service Charges to be Included in the Study

The first substantive step in the study process was to determine and finalize the scope by reviewing the service charges found in the 2006 Electricity Distribution Rate Handbook, specific services Hydro One included in the Miscellaneous Charges exhibit (Exhibit G2, Tab 5, Schedule 1) submitted in the last distribution rate application (EB-2013-0416) and any other miscellaneous services Hydro One currently provides. In cases where Hydro One provides the service, but does not currently charge for that service, the service became part of the study to determine the charge required for Hydro One to recover the costs of that service.

3.5 Identify the Data Required

In order to determine Hydro One's underlying costs of performing miscellaneous services over and above the standard level of service, all factors contributing to these costs must be documented. These cost factors included:

- Discipline(s) involved in performing each service (e.g. position, quantity);
- Tasks performed by each discipline in delivering the service;
- Travel time;
- Hours required to perform the task;
- Pass-through charges incurred;
- Materials required to perform the service;
- Vehicle use required to perform the service (small versus large vehicle); and
- Financial rates (e.g. labour rates and burdens, fleet rates, etc.).

3.6 Develop Work Forms and Collect Data

Data was captured and documented by those performing the service which involved multiple disciplines and individuals in different locations across the province. To facilitate the gathering of the study data in a consistent manner, work forms were provided to the disciplines to document their involvement, time and other related costs. The work form included the data requirements identified in Section 3.0 and any other pertinent factors that became apparent throughout the duration of the data collection segment of this study. Activities in this phase of the study included:

- Creating the necessary simple and easy to use tool that is “discipline” appropriate work sheets to collect all data attributes (e.g. discipline, materials, time);
- Creating the necessary guidelines for staff for collecting the data (i.e., collect labour data in 10 minute increments, collect vehicle use in 10 minute increments, collect materials data)
- Briefing the appropriate management and staff on the use and importance of the data and providing any necessary instructions (e.g. separation of vehicle time from labour time);
- Submitting data to single point of contact regularly (to identify any unforeseen issues early, ensure data is being accurately captured, and ensure instructions are being followed); and
- Keeping a master database of all labour (by discipline), vehicle use, and materials.

The work forms for the data collection during the time study can be found in Appendix A.

The study and work sheets were rolled out to Provincial Lines staff and Customer Care across the province at departmental meetings. Hydro One started the time study December 1, 2015 for all services performed excepting the Connection Impact Assessments (“CIA”s). The time study for the CIAs started February 2016.

Work sheets were returned from the Provincial Lines office and field staff to their supervisors to review and forward to a central repository for compilation in a common database. Customer Care data was collected at the Customer Call Centre (“CCC”). In some cases the computer programs used at the CCC were used to track the time allotted to specific services. As portions of these studies are performed by office staff and field staff, careful tracking and identification was required to ensure the full labour hours were calculated for each specific service.

3.7 Guidance and Review of Study Approach and Methodology

In the Hydro One Distribution Rate Decision (EB-2013-0416), the OEB states:

The OEB has indicated that it will initiate a review of service charges in the distribution sector. However, as Hydro One has unique service characteristics, the OEB directs Hydro One to file, as part of its next rates application, a study assessing whether its service charges reflect Hydro One's underlying costs and to propose changes accordingly. Hydro One's study is to be informed by any available OEB guidance that results from the generic review.

Hydro One used the approaches found in the OEB's 2006 Electricity Distribution Rate Handbook, Chapter 11 to define the level of the charge to bill the customer for each specific service.

Hydro One also sought guidance from Elenchus Research Associates Inc. ("Elenchus") for guidance and review of Hydro One's approach and methodology to ensure it would meet the study objectives and would be defensible in an OEB proceeding. Hydro One leveraged an existing Procurement Outline Agreement to secure the services of Elenchus as an external third party reviewer.

Elenchus reviewed the proposed study methodology and approach and met with Hydro One to offer guidance on November 4, 2015. Elenchus confirmed the validity of methodology and approach. Advice offered and considered in included:

- Even if Hydro One does not currently charge for the service, include it as part of the study;
- Use more precise inclusion of all costs underlying the specific service;
- Document the calculations used to determine the charges Hydro One is going to recommend;
- Treatment of pass-through charges; and
- Review the processes for the specific services and look for efficiencies to investigate moving forward.

3.8 Data Compilation and Initial Data Analysis

A master database was populated so that filtering of specific data was used to:

- Identify those services that are delivered with a high degree of predictability;
- Identify those services with varying costs; and
- Identify the key driver(s) of the variability.

An interim review and analysis was done during the collection process to identify any issues, ensure data was being accurately captured, confirm instructions were being followed and identify causal factors for larger variances. The review identified adjustments or refinements to the data collection and reporting process.

3.9 Preparation and Review of Preliminary Draft and Results

A preliminary report of study findings for each miscellaneous service was prepared using the Derivation of Standard Rates and Model for Deriving Distributor Specific Rate table found in the OEB's 2006 Electricity Distribution Rate Handbook, Chapter 11 summarized below.

3.9.1 Standard Amount

The 2006 Electricity Distribution Rate Handbook provides a set of standard amount charges for specific services to ensure consistency in the amount charged to customers by all distributors.

3.9.2 Standard Formula

The standard formula for calculating specific charges, considers labour, materials, and fleet vehicle used in performing the miscellaneous service. Hydro One adopted the same formula to determine the rate for other services provided over and above the standard level of service that do not appear in the 2006 Rate Handbook. Figure 1 is the cost calculations table used in this study. It is substantially the same as the table found as schedule 11-2, Specific Service Charges: Standard Formula and Amounts found on page 115 in the OEB 2006 Electricity Distribution Rate Handbook.

Figure 1 - Standard Formula Calculations Table

Underlying Cost Description For:					
X Specific Charge Name					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time				
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)				
Total Labour Cost					
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					
Hydro One Underlying Cost and Proposed Charge					\$ -
Hydro One Current Charge					\$ -

For services that include a wide variety of different tasks depending on the circumstances such as Service Call for Customer-Owned Equipment, there is a large variation costs, therefore Hydro One proposes that actual costs based on time, equipment and material should be charged to the customer in addition to the cost of the service call.

3.10 Preparation of Evidence and Schedules

The study report addresses requirements as outlined in the OEB 2006 Rate Handbook and as directed in the OEB Decision in the last Hydro One distribution rate application issued March 12, 2015. This included:

- costing of the steps required to perform each service to better illustrate the underlying costs;
- at least 40 hours per week where service is available at the standard price and specification of what these hours are;
- documentation of higher charges for services done outside of these regular hours when the customer requests “after regular hours” service. Emergencies related to safety or reliability will not be billed at the higher after regular hours rates;

- declaration that there is no cross-subsidy from ratepayers; and
- a proposal of changes and recommendations.

3.11 Study Assumptions

The following assumptions were used to formulate the recommendations made by Hydro One regarding the appropriate charge to be levied for the provision of a specific service.

3.11.1 Hours

All services that are accomplished between the hours of 8:00 a.m. and 4:00 p.m., Monday to Friday inclusive, are considered to be completed during “regular hours”. Services considered to be performed “after regular hours” occur between the hours of 4:00 p.m. to 8:00 a.m. Emergencies related to safety or reliability will not be billed at the higher “after regular hours” rates regardless of when they occur. The underlying costs for specific services performed “after regular hours” must adhere to collective agreement overtime items that stipulate a minimum two hour call out for staff. Customers are advised of the additional costs of performing services after hours. If the customer still elects to have the service performed after hours, they are charged the higher fee to cover the costs.

3.11.2 Underlying Costs

The tables illustrating the underlying costs for each service show the derivation of the specific service charge in accordance with the methodology found in the OEB’s 2006 Electricity Distribution Rate Handbook, Chapter 11, Schedule 11-2, issued May 11, 2005. The derivation of the underlying costs supports the specific service charge recommended by Hydro One. Hydro One has not rounded the cost values for each service.

3.12 Study Observations

The Study showed that effort and costs associated with the delivery of some services was fairly consistent in some types of services such as statements of account, returned cheque and duplicate invoices. In other cases, there could be variability in delivering the service caused by factors such as work variability, differences in vehicle use, of customer density (rural vs. urban locations), or time of year the work was performed (summer vs. winter). It was therefore important that sample characteristics took this variability into account to ensure underlying costs were fully captured.

Hydro One did not identify any material variability due to causal factors such as seasonality as shown in Figure 1 or travel time according to geographical location in Figure 2. However it must be noted that the winter months in which this study was run were abnormally warm and calm winter months.

Figure 1: Winter versus Summer

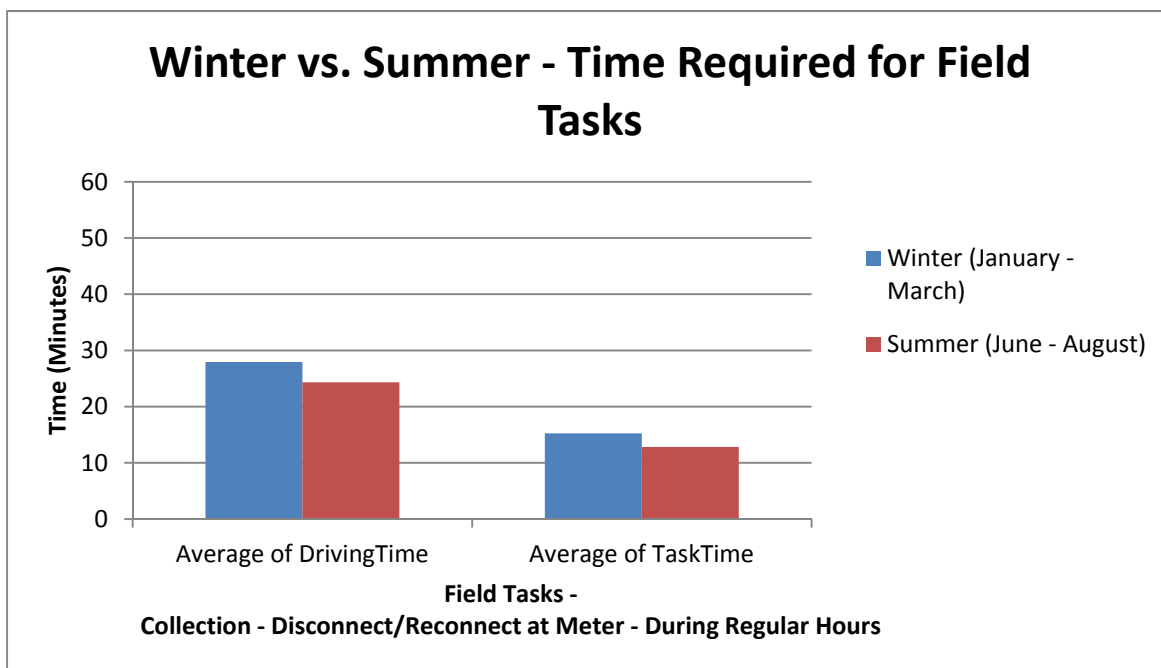
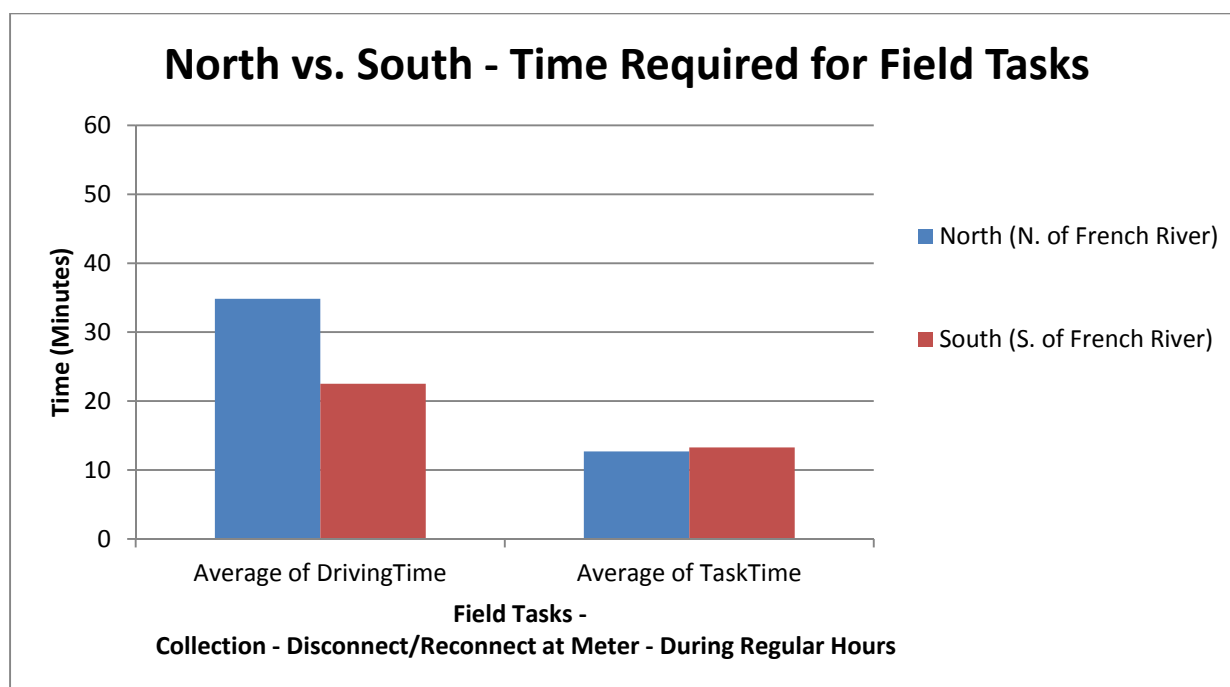


Figure 2: North versus South

The underlying costs of services performed after regular hours are subject to the minimum call out requirements of the union collective agreements and additional driving time. When a service is performed after regular hours, an employee must drive from the headquartered station to site of the work and back to the station. For services performed during regular hours, driving time will be less as the scheduling of the tasks will leverage the bucketing of work throughout the day.

4.0 HYDRO ONE RECOMMENDATIONS

All recommendations for changes in the fees for specific services from Hydro One are based on the recovery of the underlying costs to provide that specific service. It should be noted that the OEB initiated their own Review of Miscellaneous Rates and Charges (EB-2015-0304) in November 2015.

In analyzing the data collected from the time study, Hydro One has identified specific service charges that will require a substantial increase in order to recover the underlying costs (e.g.

Meter Dispute Charge propose increase of 816%). In association with recommended fee changes, Hydro One recommends the following:

1. Hydro One acknowledges some recommendations are for a material service charge increase but does not recommend a phase in period. These fees are not relevant in the context of a typical customers' total bill and therefore a mitigation or phase in concept should not apply.
2. To be consistent with the OEB's incentive regulation regime, Hydro One recommends increases to the miscellaneous service charges be escalated on an annual basis using the time elements found in this study and applying the appropriate payroll burden and fleet burden rates.
3. Hydro One also recommends that a study to determine the underlying costs for miscellaneous services be performed every five years to ensure there is no over collection from customers nor cross subsidization to recover the costs of performing these services. In the rebasing of the fees every five years, a distributor will have an opportunity to implement efficiency initiatives to reduce underlying costs and pass these savings on to customers.

5.0 MISCELLANEOUS SERVICE CHARGES

The following sections include a brief overview of each specific service, a schedule showing the Derivation of Standard Rates and Modeling for Deriving Distributor Specific Rates and a recommendation regarding each service in the Study. Summary tables of the data collected during the Study to support the proposed changes in the fees for each specific service can be found in Appendix B.

5.1 Arrears Certificate – OEB Rate Code #1

Prior to 2005 and market restructuring, Ontario Hydro had the capacity to recover account defaults (unpaid final bill arrears) by property owners through the Municipal property tax roll under the Public Utilities Act. Market restructuring brought about the corporatization of the distribution sector and removed this tool to recover payment defaults. The former practice was to provide an "arrears certificate" to the purchaser's solicitor to advise of any registered hydro liens and a final bill estimate for a hold back of funds if required. This service is no longer offered.

Reference: Standard Supply Service Code and Distribution System Code.

5.2 Statement of Account – OEB Rate Code #2

Statements of account are used to satisfy customer requests for support documentation for income tax purposes and to satisfy requests for other billing information. Customer requests for statement of account information can be received via multiple communication channels (e.g. email via INET, fax, white mail, phone call). The process to satisfy customer requests for the following services is the same and therefore the volume of each type of request was not tracked individually:

- Statements of account – OEB Rate Code #2;
- Other billing information – OEB Code #5 and;
- Account History #9.

According to the Conditions of Service, billing information can be requested two times per year at no charge.

5.2.1 Process Steps

The high-level process steps to perform this service include:

1. Customer makes request through telephone, e-mail, fax.
2. Customer Service Representative (“CSR”) finds customer in system.
3. CSR runs query on selected date range.
4. CSR prints results of query.
5. CSR creates appropriate cover letter through system.
6. Letter and statement are sent.

5.2.2 Underlying Costs

Table 2 shows the derivation of the underlying costs of this specific service.

Table 2: Derivation of the Underlying Costs for Statements of Account

Underlying Cost Description For:					
2 Statement of account					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.11		\$ 8.10
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 4.81
Total Labour Cost					\$ 12.91
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material (Postage)	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.80
Hydro One Underlying Cost and Proposed Charge					\$ 13.71
Hydro One Current Charge					\$ 15.00

5.2.3 Recommendation

Customers are advised that this service can be completed through Hydro One’s self-serve on-line system at no cost. Hydro One recommends the charge for this service should be \$13.71 to allow

recovery of underlying costs if the customer opts for the customer care agent to perform the service on their behalf.

5.3 Pulling Post-Dated Cheques – OEB Rate Code #3

Hydro One tracks the details of post-dated cheques in the Billing / Payments Interaction Record. The Cashiering Department at Hydro One is not able to retrieve / pull post-dated cheques from the system. Therefore Hydro One does not perform this service. Instead, customers must issue a stop payment on the cheque(s).

5.4 Duplicate Invoices for Previous Billing – OEB Rate Code #4

A customer will request a duplicate invoice to replace a lost or misplaced invoice or to satisfy the request for other billing information. Customer requests duplicate invoices for previous billing can be received via multiple communication channels (i.e. email via INET, fax, white mail, phone call). The process to satisfy customer requests for the following services is the same and therefore the volume of each type of request is not tracked individually:

- Duplicate invoices for previous billing – OEB Rate Code #4 and;
- Income tax letters – OEB Rate Code #7

According to the Conditions of Service, billing information can be requested two times per year at no charge.

5.4.1 Process Steps

The high-level steps to perform this service include:

1. Customer makes request through telephone, e-mail, fax.
2. CSR finds customer in system.
3. CSR runs query on selected date range.
4. CSR prints results of query.
5. CSR creates appropriate cover letter through system.
6. Letter and statement are sent.

5.4.2 Underlying Costs

Table 3 shows the derivation of the underlying costs of this specific service.

Table 3: Derivation of the Underlying Costs for Duplicate Invoices

Underlying Cost Description For:					
4 Duplicate invoices for previous billing					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.10		\$ 7.48
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 4.44
Total Labour Cost					\$ 11.92
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material (Postage)	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.80
Hydro One Underlying Cost and Proposed Charge					\$ 12.72
Hydro One Current Charge					\$ 15

5.4.3 Recommendation

Customers are advised that this service can be completed through Hydro One's self-serve on-line system at no cost. Hydro One recommends the charge for this service should be \$12.72 to allow recovery of underlying costs if the customer opts for the customer care agent to perform the service on their behalf.

5.5 Request for Other Billing Information – OEB Rate Code #5

A customer may request other billing information for a variety of reasons. Customer requests can be received via multiple communication channels (i.e. email via INET, fax, white mail, phone call). The process to satisfy customer requests for the following services is the same and therefore the volume of each type of request is not tracked individually:

- Statements of account – OEB Rate Code #2;
- Other billing information – OEB Code #5 and;
- Account History #9.

According to the Conditions of Service, billing information can be requested two times per year at no charge.

5.5.1 Process Steps

The high-level steps involved to perform this service include:

1. Customer makes request through telephone, e-mail, fax.
2. CSR finds customer in system.
3. CSR runs query.
4. CSR prints results of query.
5. CSR creates appropriate cover letter through system.
6. Letter and statement are sent.

5.5.2 Underlying Costs

Table 4 shows the derivation of the underlying costs of this specific service.

Table 4: Derivation of the Underlying Costs for Requests for Other Billing Information

Underlying Cost Description For:					
5	Request for other billing information				
9	Account History				
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.11		\$ 8.10
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 4.81
	Total Labour Cost				\$ 12.91
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material (Postage)	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
	Total Other Cost				\$ 0.80
Hydro One Underlying Cost and Proposed Charge					\$ 13.71
Hydro One Current Charge					\$ 15

5.5.3 Recommendation

Hydro One recommends the charge for this service should be \$13.71 to allow recovery of underlying costs of performing this service.

5.6 Easement Letters – OEB Rate Code #6

An easement or right-of-way is an agreement that confers on an individual, company or municipality the right to use a landowner's property in some way. While these agreements grant rights, they also have the effect of partially restricting an owner's use of the affected portions of land. The holder (beneficiary or grantee) of an easement or right-of-way holds certain rights regarding usage of the property described in the agreement. The holder's rights of use are described and restricted by the agreement. The landowner continues to own the land and has only given up defined rights on the portion of land used for the right-of-way or easement. The Hydro One Easement / Real Estate department deals with payments and issues related to new easement and unregistered easements only. Search for unregistered easements can be conducted on-line by a customer for a current fee of \$25 or by sending a letter of request to Hydro One with a legal description of the property in question.

5.6.1 Process Steps

The high-level steps to perform this service include:

1. Receive request via regular mail or courier and identify key information from letter received from customer (e.g. lot, concession, plan, etc.).
2. Follow up with Law division for incomplete or incorrect searches (90% of volume).
3. Search database for rights information.
4. Enter all information for letter of response to email to the requesting Law firm
5. If not enough information provided by the customer, call or e-mail customer for required information.
6. Manage payment received.

5.6.2 Underlying Costs

Table 5 shows the derivation of the underlying costs of performing this specific service.

Table 5: Derivation of the Underlying Costs for Easement Letters

Underlying Cost Description For:					
6 Easement letter					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.70		\$ 52.43
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 31.09
Total Labour Cost					\$ 83.52
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.80
Hydro One Underlying Cost and Proposed Charge					\$ 84.32
Hydro One Current Charge					\$ 15

5.6.3 Recommendation

Hydro One recommends the charge for the provision of an easement letter should be raised to \$84.32 to recover the underlying costs of performing this service.

5.7 Income Tax Letter – OEB Rate Code #7

An income tax letter is usually used to satisfy customer requests for support documentation for income tax purposes. Customer requests for income tax letters can be received via multiple communication channels (i.e. email via INET, fax, white mail, phone call). The process to satisfy customer requests for the following services is the same and therefore the volume of each type of request is not tracked individually:

- Duplicate invoices for previous billing – OEB Rate Code #4 and;
- Income tax letters – OEB Rate Code #7

5.7.1 Process Steps

The high-level steps to perform this service include:

1. Customer requests an income tax letter through telephone, e-mail, fax
2. CSR finds customer in system
3. CSR runs query on selected date range

4. CSR prints results of query
5. CSR creates appropriate cover letter through system
6. Letter and statement is sent

5.7.2 Underlying Costs

Table 6 shows the derivation of the underlying costs of this specific service.

Table 6: Derivation of the Underlying Costs for Income Tax Letters

Underlying Cost Description For:					
7 Income tax letter					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.10		\$ 7.48
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 4.44
Total Labour Cost					\$ 11.92
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.80
Hydro One Underlying Cost and Proposed Charge					\$ 12.72
Hydro One Current Charge					\$ 15

5.7.3 Recommendation

Hydro One recommends the charge for this service should be \$12.72 to allow recovery of underlying costs of performing this service.

5.8 Notification Charge – OEB Rate Code #8

Hydro One has no record of the meaning of this service and therefore has never charged for it.

5.9 Account History – OEB Rate Code #9

Customer requests for account history only occur when there has been a change in the Hydro One billing system. Account history for customers billed through the Retail Customer Information System until mid-1998 has been archived to Microfiche. Account history for

customers billed using the Customer Service System post mid-1998, is archived in the Heritage Data Library. Over time, the volume of requests for account history will decline.

The process to satisfy customer requests for the following services is the same and therefore the volume of each type of request is not tracked individually:

- Statements of account – OEB Rate Code #2;
- Other billing information – OEB Code #5 and;
- Account History #9.

5.9.1 Process Steps

The high-level steps to perform this service include:

1. Customer requests account history through telephone, e-mail, fax
2. CSR finds customer in system
3. CSR runs query on selected date range
4. CSR prints results of query
5. CSR creates cover letter
6. Letter and account history is sent

5.9.2 Underlying Costs

Table 7 shows the derivation of the underlying costs of performing this service.

Table 7: Derivation of Underlying Costs for Account History

Underlying Cost Description For:					
5	Request for other billing information				
9	Account History				
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.11		\$ 8.10
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 4.81
Total Labour Cost					\$ 12.91
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material (Postage)	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.80
Hydro One Underlying Cost and Proposed Charge					\$ 13.71
Hydro One Current Charge					\$ 15

5.9.3 Recommendation

Hydro One recommends the charge for this service should be \$13.71 to allow recovery of underlying costs of performing this service.

5.10 Credit Reference / Credit Check (plus credit agency costs) – OEB Rate Code #10

The fee for performing this specific service is charged when a customer requests a credit reference letter from Hydro One, to be used to show other utilities that they are a satisfactory credit risk. This may determine whether the customer's security deposit can be waived or not.

5.10.1 Process Steps

The high-level steps to perform this service include:

1. Receive request via e-mail, letter, or fax
2. Investigate request
3. Create credit reference letter
4. Submit either to printer (letter or fax) or INet Team (email)
5. Record that the credit letter has been sent

5.10.2 Underlying Costs

Table 8 shows the derivation of the underlying costs of this specific service.

Table 8: Derivation of the Underlying Costs for Credit Reference or Credit Checks

Underlying Cost Description For:					
10 Credit reference/credit check (plus credit agency costs)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.16		\$ 11.83
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 7.01
Total Labour Cost					\$ 18.84
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ -
Hydro One Underlying Cost and Proposed Charge					\$ 18.84
Hydro One Current Charge					\$ 15

5.10.3 Recommendation

Hydro One recommends the charge be raised to \$18.84 plus credit agency costs, to recover the underlying costs of performing this service. Credit agency costs can vary according the specific agency therefore this is proposed to be a pass-through charge.

5.11 Returned Cheque Charge (plus Bank charges) – OEB Rate Code #11

Through an outsourcing agreement, Hydro One uses a service provider to perform payment processing services such as cheque processing from receipt, to proof, to image capture and posting of standard cheques and payment instruments. All cheques returned by a financial institution, are sent to Hydro One on a daily basis.

5.11.1 Process Steps

The high-level steps in performing this service include:

1. Sort bundle of returned cheques.
2. Reconcile the debit list and the Return File Sheet with the bank statement.
3. Investigate “unprocessable items” (returned from the bank)
4. Record manual entries as required.

5.11.2 Underlying Costs

Note: Any bank fees incurred for returned cheques are billed directly to the customer by the bank. Table 9 shows the derivation of the underlying costs of this specific service.

Table 9: Derivation of the Underlying Costs for Returned Cheques

Underlying Cost Description For:					
11 Returned cheque charge					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.06		\$ 4.36
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 2.58
Total Labour Cost					\$ 6.94
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other (Feed Through Bank Fees)	-	0.00		\$ -
Total Other Cost					\$ -
Hydro One Underlying Cost and Proposed Charge					\$ 6.94
Hydro One Current Charge					\$ 15

5.11.3 Recommendation

Hydro One recommends the charge for “Returned Cheques” be decreased to \$6.94.

5.12 Charge to Certify Cheque – OEB Rate Code #12

Hydro One does not perform this service. No historical process documentation or reporting was found.

5.13 Legal Letter Charge – OEB Rate Code #13

Legal letters are processed for many reasons and may include the requirement for Law to do research into the matter. Hydro One proposes that actual costs, based on time, equipment and materials, be charged for the performance of this service. This service was not included in this study.

5.14 Account Set Up Charge / Change of Occupancy – OEB Rate Code #14

This process is triggered by a Customer / Landlord request for a Start / Transfer Contract via phone, fax or e-mail. This occurs when a customer is opening a new electricity account or moving from one Hydro One property to another. Hydro One’s work instruction regarding the

start and or transfer of a contract, identifies multiple scenarios for conducting these tasks such as transferring a contract, changing a contract and starting a new contract for vacant premise. Customer requests can be received from multiple communication channels (i.e. email via INET, fax, white mail, phone call, or web self-serve). Customers are encouraged to contact the collection agencies directly to settle any outstanding final billed arrears. If a customer decides to pay their final billed arrears directly to Hydro One, the payment does get reported to the collection agency.

5.14.1 Process Steps

In general, the following steps are followed:

1. Set up customer information in the Customer Information System (“CIS”) such as name, address, phone number.
2. Setting appropriate special designations such as aggressive dog, vital service, meter location.
3. Populate other information such as start and end date, billing class, payment method, preauthorized payment, equal billing.

5.14.2 Underlying Costs

Table 10 shows the derivation of the underlying costs of this specific service.

Table 10: Derivation of the Underlying Costs for Account Set Up Charges

Underlying Cost Description For:					
14 Account set up charge/change of occupancy charge (plus credit agency costs if applicable)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.30		\$ 22.10
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 13.10
Total Labour Cost					\$ 35.20
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ -
Hydro One Underlying Cost and Proposed Charge					\$ 35.20
Hydro One Current Charge					\$ 30

5.14.3 Recommendation

Hydro One recommends increasing this charge to \$35.20 plus credit agency costs, to recover the underlying costs of performing this service. Credit agency costs can vary according the specific agency therefore this is proposed to be a pass-through charge.

5.15 Special Meter Reads – OEB Rate Code #15

This charge is applied when a Retailer requests an enrollment / drop prior to the next scheduled read. Sections 10.5.1 and 10.5.3 to 10.5.5 of the Retail Settlements Code state:

a service transfer from one retailer to another, including a transfer from or to a Standard Supply Service provider, shall only take effect on the date of an actual meter read. Despite the requested service transfer set out in an Service Transaction Request (STR), a distributor may specify in its Service Agreement with a competitive retailer a number of days prior to any next scheduled meter read where, if a distributor receives an STR requesting a change in service provider less than the number of days specified in the Service Agreement before the next scheduled meter read, the distributor is not obligated to change service provider until the scheduled meter read following the next scheduled meter read.

5.15.1 Underlying Costs

Table 11 shows the derivation of the underlying costs of this specific service.

Table 11: Derivation of the Underlying Costs for Special Meter Reads

Underlying Cost Description For:					
15 Special Meter Reads (retailer requested off-cycle read)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.11		\$ 8.03
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	57.12	0.75		\$ 42.99
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 30.26
Total Labour Cost					\$ 81.28
O	Small Vehicle Time	10.00	0.75		\$ 7.53
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 7.53
Hydro One Underlying Cost and Proposed Charge					\$ 88.80
Hydro One Current Charge					\$ 30

5.15.2 Recommendation

Hydro One recommends the charge for special meter reads should be increased to \$88.80 to recover the costs of performing this service.

5.16 Collection of Account Charge – No Disconnect during regular hours – OEB Rate Code #16

This service covers the field collection activities due to customer non-payment of bill. The work is initiated by a notification / order. If on arrival at the customer's site, the customer pays the outstanding balance, no disconnect will occur, however this charge will still apply.

5.16.1 Underlying Costs

Table 12 shows the derivation of the underlying costs of this specific service.

Table 12: Derivation of the Underlying Costs for Collection of Account Charge – No Disconnect during regular hours

Underlying Cost Description For:					
16 Collection of account charge - no disconnection during regular hours					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.25		\$ 18.34
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	57.12	0.66		\$ 37.58
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 33.16
Total Labour Cost					\$ 89.07
O	Small Vehicle Time	10.00	0.66		\$ 6.58
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 6.58
Hydro One Underlying Cost and Proposed Charge					\$ 95.65
Hydro One Current Charge					\$ 30

5.16.2 Recommendation

Hydro One recommends the charge for the collection of an account with no disconnection should be increased to \$95.65 to recover the underlying costs.

5.17 Collection of Account Charge – No Disconnect after regular hours – OEB Rate Code #17

Hydro One does not perform collection tasks after regular hours. The cost of overtime to perform this service after regular hours would add to the underlying costs and may add further hardship to a customer.

5.18 Collection - Disconnect / Reconnect at Meter –OEB Rate Code #18 and Install / Remove Load Control Device – OEB Rate Codes #19 – during Regular Hours

When a customer has not paid their electricity bill for an extensive period of time, an Electricity Disconnection Notice is issued. If payment is still not received a disconnection or the installation of a load limiter is performed. These activities are performed in accordance with Subsection 31(1) of the *Electricity Act, 1998* which provides that:

A distributor may shut off the distribution of electricity to a property if any amount payable by a person for the distribution or retail of electricity to the property pursuant to Section 29 is overdue.

During the time study to determine the underlying costs of the collection activities resulting in a disconnection / reconnection at the meter or the installation / removal of a load control device, it was identified that the tasks associated with these two services are very similar and are provided by the same staffing positions. Rate code #18 and #19 services are performed during regular hours.

5.18.1 Underlying Costs

The following tables illustrate the underlying costs of these services.

Collection – Disconnect / Reconnect at the Meter during Regular Hours – OEB Code #18

Table 13 shows the derivation of the underlying costs of a collection activity resulting in a disconnection / reconnection at the meter during regular business hours.

Table 13: Derivation of the Underlying Costs for Disconnect / Reconnect at a Meter during Regular Hours

Underlying Cost Description For:					
18 Collection - Disconnect/Reconnect at meter - during regular hours					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	57.12	0.62		\$ 35.45
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 40.03
Total Labour Cost					\$ 107.53
O	Small Vehicle Time	10.00	0.62		\$ 6.21
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 7.01
Hydro One Underlying Cost and Proposed Charge					\$ 114.54
Hydro One Current Charge					\$ 65

Collection - Install / Remove Load Control Device during Regular Hours – OEB Code #19

Table 14 shows the derivation of the underlying costs of a collection activity resulting in the installation and removal of a load control device during regular hours.

Table 14: Derivation of the Underlying Costs for the Installation / Removal of a Load Control Device during Regular Hours

Underlying Cost Description For:					
19 Collection - Install/Remove load control device - during regular hours					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	57.12	0.66		\$ 37.96
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 41.52
Total Labour Cost					\$ 111.53
O	Small Vehicle Time	10.00	0.66		\$ 6.65
T	Large Vehicle Time				
H	Other: Material	0.84	1.00		\$ 0.84
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 7.48
Hydro One Underlying Cost and Proposed Charge					\$ 119.02
Hydro One Current Charge					\$ 65

Combined Costs of Collection - Disconnect / Reconnect at the Meter or Installation / Removal of a Load Control Device during Regular Hours

Due to the similarities of these two services, Hydro One proposes that these two services when performed during regular hours be combined under one rate code. Table 15 combines the underlying time and costs associated with these services.

Table 15: Derivation of the Underlying Costs for the Combined Collection Activities of Disconnect / Reconnect at the Meter or Installation / Removal of a Load Control Device during Regular Hours

Underlying Cost Description For:					
18	Collection - Disconnect/Reconnect at meter - during regular hours				
19	Collection - Install/Remove load control device - during regular hours				
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	57.12	0.62		\$ 35.51
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 40.07
Total Labour Cost					\$ 107.63
O	Small Vehicle Time	10.00	0.62		\$ 6.22
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 7.02
Hydro One Underlying Cost and Proposed Charge					\$ 114.65
Hydro One Current Charge					\$ 65

5.18.2 Recommendation

Hydro One recommends the charge for collection activities resulting in a disconnection / reconnection at the meter or an installation or removal of a load control device during regular hours be combined into one rate code and should be increased to \$114.65 to recover the underlying costs of providing this service.

5.19 Collection - Disconnect / Reconnect at Meter –OEB Rate Code #20 and Install / Remove Load Control Device – OEB Rate Codes #21 – after Regular Hours

When a customer has not paid their electricity bill for more than 45 days, an Electricity Disconnection Notice is issued. If payment is still not received a disconnection or the installation of a load limiter is performed. These activities are performed in accordance with Subsection 31(1) of the *Electricity Act, 1998* which provides that:

A distributor may shut off the distribution of electricity to a property if any amount payable by a person for the distribution or retail of electricity to the property pursuant to Section 29 is overdue.

During the time study to determine the underlying costs of the collection activities resulting in a disconnection / reconnection at the meter or the installation / removal of a load control device, it was identified that the tasks associated with these two services are very similar and are provided by the same staffing positions. Rate code #20 and #21 services are performed after regular hours at the request of the customer.

5.19.1 Underlying Costs

The following tables illustrate the underlying costs of these services.

Collection - Disconnect / Reconnect at the Meter after Regular Hours – OEB Code #20

Table 16 shows the derivation of the underlying costs of collection activities that result in disconnection / reconnection at the meter after regular hours.

Table 16: Derivation of the Underlying Costs for a Disconnection / Reconnection at the Meter after Regular Hours

Underlying Cost Description For:					
20 Collection - Disconnect/Reconnect at meter - after regular hours					
Collective agreement stipulates a minimum 2.0 hour call out for Overtime					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	2.05	1.40	\$ 212.62
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 145.09
Total Labour Cost					\$ 389.76
O	Small Vehicle Time	10.00	2.05		\$ 20.50
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 21.31
Hydro One Underlying Cost and Proposed Charge					\$ 411.07
Hydro One Current Charge					\$ 185

Collection - Install / Remove Load Control Device after Regular Hours – OEB Code #21

Table 17 shows the derivation of the underlying costs of an installation / removal of a load control device after regular hours.

Table 17: Derivation of the Underlying Costs for the Installation / Removal of a Load Control Device after Regular Hours

Underlying Cost Description For:					
21 Collection - Install/Remove load control device - after regular hours					
Collective agreement stipulates a minimum 2.0 hour call out for Overtime					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	2.00	1.40	\$ 207.40
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 141.99
Total Labour Cost					\$ 381.44
O	Small Vehicle Time	10.00	1.42		\$ 14.17
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 14.97
Hydro One Underlying Cost and Proposed Charge					\$ 396.41
Hydro One Current Charge					\$ 185

Combined Costs of Collection - Disconnect / Reconnect at the Meter or Installation / Removal of a Load Control Device after Regular Hours

Due to the similarities of these two services, Hydro One proposes that these two services when performed after regular hours be combined under one rate code. Table 18 combines the underlying time and costs associated with these services.

Table 18: Derivation of the Combined Underlying Costs for the Disconnect / Reconnect at the Meter or Installation / Removal of a Load Control Device after Regular Hours

Underlying Cost Description For:					
20	Collection - Disconnect/Reconnect at meter - after regular hours				
21	Collection - Install/Remove load control device - after regular hours				
	After hours requires more travel time, whereas during regular hours, tech would bucket work				
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	2.02	1.40	\$ 209.88
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 143.47
	Total Labour Cost				\$ 385.40
O	Small Vehicle Time	10.00	2.02		\$ 20.24
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
	Total Other Cost				\$ 21.04
Hydro One Underlying Cost and Proposed Charge					\$ 406.45
Hydro One Current Charge					\$ 185

5.19.2 Recommendation

Hydro One recommends the charge for collection activities resulting in a disconnection / reconnection at the meter or an installation or removal of a load control device after regular hours be combined into one rate code and should be increased to \$406.45 to recover the underlying costs.

5.20 Collection - Disconnect / Reconnect at Pole –Rate Codes #22 and #23

When a customer has not paid their electricity bill for more than 45 days, an Electricity Disconnection Notice is issued. If payment is still not received a disconnection is performed. At times, a disconnection cannot be performed at the meter due to type of the meter or the meter is not accessible (e.g. located inside a locked building), therefore disconnection must be performed

at the pole. These activities are performed in accordance with Subsection 31(1) of the *Electricity Act, 1998* which provides that:

A distributor may shut off the distribution of electricity to a property if any amount payable by a person for the distribution or retail of electricity to the property pursuant to Section 29 is overdue.

5.20.1 Underlying Costs

Table 19 shows the derivation of the underlying costs of this specific service during regular hours.

Table 19: Derivation of the Underlying Costs for the Collection including a Disconnection / Reconnection at the Pole during Regular Hours

Underlying Cost Description For:					
22 Collection - Disconnect/Reconnect at pole - during regular hours					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	74.07	1.72		\$ 127.06
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 94.35
Total Labour Cost					\$ 253.47
O	Small Vehicle Time				
T	Large Vehicle Time	57.00	0.86		\$ 48.89
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 48.89
Hydro One Underlying Cost and Proposed Charge					\$ 302.35
Hydro One Current Charge					\$ 185

Table 20 shows the derivation of the underlying costs of this specific service when performed after regular hours.

Table 20: Derivation of the Underlying Costs for the Collection including a Disconnection / Reconnection at the Pole after Regular Hours

Underlying Cost Description For:					
23 Collection - Disconnect/Reconnect at pole - after regular hours					
Collective agreement stipulates a minimum 2.0 hour call out for Overtime					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.43		\$ 32.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	4.00	1.40	\$ 414.79
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 264.98
Total Labour Cost					\$ 711.82
O	Small Vehicle Time				
T	Large Vehicle Time	57.00	1.56		\$ 89.15
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 89.15
Hydro One Underlying Cost and Proposed Charge					\$ 800.97
Hydro One Current Charge					\$ 415

5.20.2 Recommendation

Hydro One recommends the charge for performing a collection with a disconnection or reconnection at the pole during regular hours should be increased to \$302.35 and after regular hours be increased to \$800.97 to recover the underlying costs of providing these services.

5.21 Meter Dispute Charge (plus Measurement Canada fees if meter found correct)

A meter dispute check is initiated by a customer when there is a concern regarding the accuracy of their meter. It is performed in cooperation with Measurement Canada.

5.21.1 Underlying Costs

Table 21 shows the derivation of the underlying costs of performing a meter dispute check.

Table 21: Derivation of the Underlying Costs for Meter Dispute Charge involving Measurement Canada

Underlying Cost Description For: 24 Meter Dispute Charge - Measurement Canada					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.68		\$ 51.16
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	1.42		\$ 112.50
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 97.05
Total Labour Cost					\$ 260.70
O	Small Vehicle Time	10.00	1.42		\$ 14.22
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 14.22
Hydro One Underlying Cost and Proposed Charge					\$ 274.92
Hydro One Current Charge					\$ 30

5.21.2 Recommendation

Hydro One recommends the charge to settle a meter dispute in cooperation with Measurement Canada, should be increased to \$274.92 to recover the underlying costs of providing this service. This fee will only be charged when the test is performed and the meter is found to be operating correctly.

5.22 Service Call – Customer-owned equipment– OEB Rate Codes #25 and #26

When a Hydro One crew is dispatched due to a customer complaint of a power issue and upon arrival at site, it is identified that the cause of the issue is related to the customer-owned equipment, if capable or practical, Hydro One crews will perform the service at the request and for the benefit of the customer. The proposed fees for these rate codes cover the service call portion which includes the administration and travel costs only. The fees do not cover any work associated with work on the customer-owned equipment.

5.22.1 Underlying Costs

The following tables illustrate the underlying costs of performing these services.

Service Call during Regular Hours

Table 22 shows the derivation of the underlying costs of a service call for customer-owned equipment during regular hours.

Table 22: Derivation of the Underlying Costs for a Service Call for Customer-Owned Equipment during Regular Hours

Underlying Cost Description For:					
25 Service call - customer owned equipment - during regular hours					
*Specific Service Charge Value does not include the cost associated with the actual task time, for Field Staff; HONI will bill actual cost to customer					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.08		\$ 6.23
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	74.07	1.31		\$ 96.69
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 61.03
Total Labour Cost					\$ 163.95
O	Small Vehicle Time				
T	Large Vehicle Time	57.00	0.65		\$ 37.20
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 37.20
Hydro One Underlying Cost and Proposed Charge					\$ 201.15
Hydro One Current Charge					\$ 30

Service Call after Regular Hours

Table 23 shows the derivation of the underlying costs of a service call for customer-owned equipment after regular hours.

Table 23: Derivation of the Underlying Costs for a Service Call for Customer-Owned Equipment after Regular Hours

Underlying Cost Description For:					
26 Service call - customer owned equipment - after regular hours					
*Specific Service Charge Value does not include the cost associated with the actual task time, for Field Staff; HONI will bill actual cost to customer					
Collective agreement stipulates a minimum 2.0 hour call out for Overtime					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.08		\$ 6.23
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	4.00	1.40	\$ 414.79
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 249.66
Total Labour Cost					\$ 670.68
O	Small Vehicle Time				
T	Large Vehicle Time	57.00	1.31		\$ 74.49
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 74.49
Hydro One Underlying Cost and Proposed Charge					\$ 745.17
Hydro One Current Charge					\$ 165

5.22.2 Recommendation

Hydro One recommends the charge for a service call on customer-owned equipment during regular hours should be \$201.15 and the charge for a service call on customer-owned equipment after regular hours at the customer's request should be \$745.17. Customers are advised of the additional charge for work performed after hours when they make the request. The service call charge recovers the cost of the office tasks and travel time. This charge is applied whether Hydro One crews work on the customer-owned equipment or not. The customer will be additionally charged for actual costs for performing any work on their equipment.

5.23 Temporary Service Install and Remove –OEB Rate Codes #27, #28 and #29

Customer requests for the installation and removal of a temporary service can greatly vary in the amount of work required and each job will have its own unique working conditions. At the customer's request, a temporary service is connected. When the Customer is ready to a) cancel the temporary service or b) transfer to the conductor and meter to the new permanent service, Hydro One will return to perform the relocation.

5.23.1 Recommendation

To avoid cross-subsidization or over collection, Hydro One proposes that the fee for these specific services be derived on the actual costs of each individual job.

5.24 Specific Charge for Access to the Power Poles – Telecom Only – OEB Rate Code #30

New proposed rates were not part of this time study. New rates will be calculated using the approved OEB methodology found in the Decision and Rate Order for the *Motion to Review and Vary Decision EB-2013-01416/EB-2014-0247 approving Distribution Rates and Charges for Hydro One Networks Inc. for 2015-2017*, proceeding EB-2015-0141, dated August 4, 2016.

5.25 Vacant Premise Reconnect at Meter and at Pole – Hydro One Codes #31a and #31b

A Vacant Premise occurs when an existing customer cancels their account with Hydro One and the meter is left active when the existing customer's contract ends. When this occurs, if the new home owner, or landlord, does not call Hydro One to have the account for that premise moved into their name, Hydro One attempts to contact the premise owner by mail or letter delivered to the premise. If the owner of the premise does not contact Hydro One after the notices are given, Hydro One disconnects the service at the meter or pole, as the service is no longer associated with a customer.

When the new premise address owner or landlord, contacts Hydro One to have an account set up in their name for the now disconnected service, Hydro One goes to the premise to perform a reconnect at the meter or pole. The reconnect service fee is recovered from the new premise address owner.

5.25.1 Underlying Costs

Tables 24 and 25 show the derivation of the underlying costs of these specific services.

Table 24: Derivation of the Underlying Costs for a Vacant Premise Notice – Move in with Reconnect of Electrical Service at Meter during Regular Hours

Underlying Cost Description For:					
31a Vacant Premise - Move in with Reconnect of Electrical Service at Meter					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.29		\$ 21.84
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	57.12	0.57		\$ 32.52
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 32.24
Total Labour Cost					\$ 86.60
O	Small Vehicle Time	10.00	0.57		\$ 5.69
T	Large Vehicle Time				
H	Other: Material	0.80	1.00		\$ 0.80
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 6.50
Hydro One Underlying Cost and Proposed Charge					\$ 93.09
Hydro One Current Charge					N/A

Table 25: Derivation of the Underlying Costs for a Vacant Premise Notice – Move in with Reconnect of Electrical Service at Pole during Regular Hours

Underlying Cost Description For:					
31b Vacant Premise - Move in with Reconnect of Electrical Service at Pole					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.29		\$ 21.84
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	74.07	1.72		\$ 127.06
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 88.30
Total Labour Cost					\$ 237.20
O	Small Vehicle Time				
T	Large Vehicle Time	57.00	0.86		\$ 48.89
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 48.89
Hydro One Underlying Cost and Proposed Charge					\$ 286.09
Hydro One Current Charge					N/A

5.25.2 Recommendation

Hydro One recommends the charge for a reconnect at the meter be \$93.09 and the charge for a reconnect at the pole be \$286.09 to recover the underlying costs of performing these services.

5.26 Reconnect completed after regular hours (customer / contract driven) - at the meter or at the pole – Hydro One Codes #32 and #33

All customers are responsible for maintaining their own equipment; therefore, Hydro One provides one yearly (calendar year January to December) Service Disconnection and Re-Connection (isolation and restoration) during regular business hours for customer maintenance purposes. There is a charge for a reconnection at the meter or pole performed after hours when the service is not ready to reconnect during regular hours due to the customer or contractor. The charge is only the difference between the charge for the service performed during regular hours and the charge for the service performed after regular hours.

5.26.1 Underlying Costs

Tables 26 and 27 illustrate the underlying costs of performing these services.

Table 26: Derivation of the Underlying Costs for a Reconnect completed after hours (customer/contract driven) - at the meter

Underlying Cost Description For:					
32 Reconnect completed after hours (customer/contract driven) - at meter					
*Credit to the customer equal to the value of a regular hours cut-in (Code 18) - 1 free disconnect per year					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.58		\$ 43.25
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	1.83	1.20	\$ 162.66
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 122.10
Total Labour Cost					\$ 328.01
O	Small Vehicle Time	10.00	1.83		\$ 18.30
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other, Credit Code 18 & 19 (blended)				\$ (114.65)
Total Other Cost					\$ (96.35)
Hydro One Underlying Cost and Proposed Charge					\$ 231.66
Hydro One Current Charge					N/A

Table 27: Derivation of the Underlying Costs for a Reconnect completed after hours (customer/contract driven) - at the pole

Underlying Cost Description For:					
33 Reconnect completed after hours (customer/contract driven) - at pole					
*Credit to the customer equal to the value of a regular hours cut-in (Code 22) - 1 free disconnect per year					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.58		\$ 43.25
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time				
O	Direct Labour (field staff) Overtime	74.07	4.04	1.20	\$ 359.09
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 238.59
Total Labour Cost					\$ 640.93
O	Small Vehicle Time				
T	Large Vehicle Time	57.00	2.02		\$ 115.14
H	Other: Material				
E	Other: Contract				
R	Other: Other, Credit Code 22*				\$ (302.35)
Total Other Cost					\$ (187.21)
Hydro One Underlying Cost and Proposed Charge					\$ 453.72
Hydro One Current Charge					N/A

5.26.2 Recommendations

Hydro One recommends the charge for a customer or contractor-driven reconnection at the meter after regular hours should be set at \$231.66 to recover the underlying costs of providing this service.

Hydro One recommends the charge for a customer or contractor-driven reconnection at the pole after regular hours should be set at \$453.72 to recover the underlying costs of providing this service.

These recommended charges include the refund as shown in the tables under “Other: Other, Credit Code*22”.

5.27 Additional Service Layout Fee - Basic (more than one hour) – Hydro One Codes #34 and #35

When a customer determines that their distribution service requirement has changed, Hydro One will determine the work required to modify the existing service layout to meet the customer’s new needs. A basic service layout in the past has involved a new single phase service. A complex additional service layout was for a three phase service. An additional service layout is a flat fee charged for services provided in excess of one hour.

During the time study to determine the underlying costs of the additional service layout, it was identified that the tasks associated with these two services, basic and complex, are very similar and are provided by the same staffing positions.

5.27.1 Underlying Costs

The following tables illustrate the underlying costs of performing these services.

Additional Service Layout - Basic

Table 28 shows the derivation of the underlying costs of a basic additional service layout.

Table 28: Derivation of the Underlying Costs for an Additional Basic Service Layout

Underlying Cost Description For:					
34 Additional Service Layout Fee - Basic (more than one hour)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.64		\$ 47.59
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	3.58		\$ 282.92
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 195.99
Total Labour Cost					\$ 526.51
O	Small Vehicle Time	10.00	1.83		\$ 18.31
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 18.31
Hydro One Underlying Cost and Proposed Charge					\$ 544.82
Hydro One Current Charge					\$ 635

Additional Service Layout - Complex

Table 29 shows the derivation of the underlying costs of a complex additional service layout.

Table 29: Derivation of the Underlying Costs for an Additional Complex Service Layout

Underlying Cost Description For:					
35 Additional Service Layout Fee - Complex (more than one hour)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.64		\$ 47.59
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	3.68		\$ 291.13
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 200.86
Total Labour Cost					\$ 539.59
O	Small Vehicle Time	10.00	1.35		\$ 13.47
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 13.47
Hydro One Underlying Cost and Proposed Charge					\$ 553.06
Hydro One Current Charge					\$ 845

Due to the similarities of these two services, Hydro One proposes that basic and complex additional service layouts be combined under one rate code. Table 30 combines the underlying time and costs associated with these services.

Table 30: Derivation of the Underlying Costs for an Additional Service Layout – Basic and Complex Combined

Underlying Cost Description For:					
34	Additional Service Layout Fee - Basic (more than one hour)				
35	Additional Service Layout Fee - Complex (more than one hour)				
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.64		\$ 47.59
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	3.62		\$ 286.06
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 197.86
Total Labour Cost					\$ 531.52
O	Small Vehicle Time	10.00	1.73		\$ 17.30
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 17.30
Hydro One Underlying Cost and Proposed Charge					\$ 548.81
Hydro One Current Charge					N/A

5.27.2 Recommendation

Hydro One recommends the fees for additional service layouts; basic and complex, be charged under one rate code at \$548.81 (in excess of one hour) to recover the underlying costs of providing this service.

5.28 Pipeline Crossings – Hydro One #36

Permission is required from the pipeline company before installing new wires (overhead or underground), crossing pipeline Right of Way (“ROW”), or installing poles, anchors, or other equipment on a pipeline ROW. To generate the drawings, a great deal of information such as pipe depth, diameter, ROW width, and position of the line within their ROW must be collected at the site with a pipeline representative. The pipeline representative will provide what steps are required to be taken, as well as suggestions for the best possible design. The fee Hydro One charges to the customer includes creation of the drawing, signing of the agreement, review of standards, obligations and conditions.

5.28.1 Underlying Costs

Table 31 shows the derivation of the underlying costs of this specific service.

Table 31: Derivation of the Underlying Costs for Pipeline Crossings

Underlying Cost Description For: 36 Pipeline Crossings					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	1.00		\$ 74.70
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	16.00		\$ 1,265.60
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 794.80
Total Labour Cost					\$ 2,135.10
O	Small Vehicle Time	10.00	16.00		\$ 160.00
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 160.00
Hydro One Underlying Cost and Proposed Charge					\$ 2,295.10
Hydro One Current Charge					\$ 2,540

5.28.2 Recommendation

Hydro One proposes a reduction in the charge for pipeline crossings to \$2,295.10 to avoid over recovery of the performance of this service.

5.29 Water Crossings – Hydro One Code #37

Water Crossing fees are only charged when approval is being requested to cross the Rideau Canal, Trent Severn Waterway or Transport Canada. Under emergency conditions, work may proceed but due diligence is required to prevent damage to fish habitat resulting in fines. Under normal circumstances, Hydro One staff will perform a self-assessment for Transport Canada (“TC”) and the Department of Fisheries and Oceans (“DFO”). The results of the self-assessment will dictate further interactions between Hydro One and the DFO and TC in regards to new applications, special permits, guidance to prevent damage to fish habitat and will outline any concerns with the proposed work and if any timing restrictions apply (e.g. fish spawning season).

5.29.1 Underlying Costs

Table 32 shows the derivation of the underlying costs of this specific service.

Table 32: Derivation of the Underlying Costs for Water Crossings

Underlying Cost Description For:					
37 Water Crossings					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	1.55		\$ 115.79
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	22.75		\$ 1,799.53
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 1,135.78
Total Labour Cost					\$ 3,051.09
O	Small Vehicle Time	10.00	22.75		\$ 227.50
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other, Utility Boat	25.00	5.87		\$ 146.83
Total Other Cost					\$ 374.33
Hydro One Underlying Cost and Proposed Charge					\$ 3,425.42
Hydro One Current Charge					\$ 3,225

5.29.2 Recommendation

Hydro One recommends the charge for this specific service should be increased to \$3,425.42 to allow recovery of the underlying costs of performing this service.

5.30 Railway Crossings – Hydro One Code #38

A new agreement is required from a railway authority before installing new wire across railway tracks / ROW or reconfiguring or modifying existing crossings of railway tracks / ROW. There are also additional fees incurred from the railway authority application plus the actual railway agreement and flagging fees which must be collected from the customer. Examples of pass-through charges are found in Table 33.

Table 33: Examples of Pass-Through Charges from Railway Companies

Feed through Charges for Railway Crossings

CPR - Non-Parallel Fees				
	Application Review Fee	One-Time Permit / Agreement Fee	Express Fees	Total Fee
Utility Crossing Permits - Over / Under RR tracks - Within Municipal RD Allowance	\$400.00	\$575.00		\$975.00 + HST
Utility Crossing Agreement - Over / Under Tracks Within CP owned Right of Way	\$400.00	\$1,700.00		\$2,100.00 + HST
Express Application - Utility Crossing Permit	\$400.00	\$575.00	\$1,200.00	\$2,175.00 +HST
Express Application - Utility Crossing Agreement	\$400.00	\$1,700.00	\$1,200.00	\$3,300.00 + HST
Fast Track Application - Utility Crossing Permit	\$400.00	\$575.00	\$2,000.00	2975 + HST
Fast Track Application - Utility Crossing Agreement	\$400.00	\$1,700.00	\$2,000.00	\$4,100.00 + HST
Railroad / title / property search	\$400.00			\$400.00 + HST
Utility Searches and / or copies of agreement / permits	\$200.00 / each			\$200.00 + HST
Revised permit / agreement Drawings	\$400.00			\$400.00 + HST
Additional Review Fees	\$400.00			\$400.00 + HST
Geotechnical Review - in addition to above fees	\$550.00			\$550.00 + HST
CP Flagman	\$1,500 / Day			Actual cost
Trillium Railway Company				
Xing Fees	\$840.00	\$350.00		\$1,190.00 + HST
Additional Review Fees - for each review after the initial	\$105.00 + HST			
Flagging Fees - Minimum 8 hours	\$800.00 / Day			\$250.00 + HST
Cable Locate Fees	\$250.00			Actual

Canadian National		
Application Review Fee	\$950.00 + HST	
Additional Review Fees - for each review after the initial	\$159.00 + HST	
Flagging Fees - Minimum 8 hours	\$187.00 / hour	
Cable Locate Fees – Minimum 6 hours	\$187.00 / hour	

5.30.1 Underlying Costs

Table 34 shows the derivation of the underlying costs of this specific service.

Table 34: Derivation of the Underlying Costs for Railway Crossings

Underlying Cost Description For:					
38 Railway Crossings					
*Applicable fees to be Feed-Through Charges					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	1.55		\$ 115.79
A	Direct Labour (inside staff) Straight Time	97.93	4.00		\$ 391.72
B	Direct Labour (field staff) Straight Time	79.10	15.77		\$ 1,247.41
O	Direct Labour (inside staff) Straight Time	83.49	12.00		\$ 1,001.88
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 1,634.78
Total Labour Cost					\$ 4,391.57
O	Small Vehicle Time	10.00	15.77		\$ 157.70
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 157.70
Hydro One Underlying Cost and Proposed Charge					\$ 4,549.27
Hydro One Current Charge					\$ 6,095

5.30.2 Recommendation

Hydro One recommends the charge for this specific service should be decreased to \$4,549.27 plus any pass-through charges incurred by Hydro One from the railway company in the performance of this service.

5.31 Line Staking per Meter – Hydro One Codes #39a, 39b and 39c

For Hydro One to bring electrical service to a customer's property, an expansion from the existing distribution line to the customer's property may have to be designed and built. Hydro One will perform the staking of the line route according to the type of line to be built: overhead, underground or submarine cable. Based on the 2006 Rate Handbook, all line staking was charged at a common fee. The results of the study have identified that the underlying cost varies according to the type of line to be built. Hydro One therefore proposes that the line staking per meter service be divided into three categories. Each of the three categories: overhead line, underground line and submarine cable.

5.31.1 Underlying Costs of Overhead Line Staking per Meter

Table 35 shows the derivation of the underlying costs of this specific service.

Table 35: Derivation of the Underlying Costs for Overhead Line Staking (per meter)

Underlying Cost Description For:					
39a Overhead Line Staking per Meter					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.0010		\$ 0.07
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	0.0301		\$ 2.38
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 1.46
Total Labour Cost					\$ 3.91
O	Small Vehicle Time	10.00	0.0108		\$ 0.11
T	Large Vehicle Time				
H	Other: Material	0.03	1.0000		\$ 0.03
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.13
Hydro One Underlying Cost and Proposed Charge					\$ 4.04
Hydro One Current Charge					\$ 4.95

5.31.1.1 Recommendation

Hydro One recommends the charge for this specific service should be decreased to \$4.04 per meter to avoid over collection of the underlying costs of performing this service.

5.31.2 Underlying Costs Underground Line Staking per Meter

Table 36 shows the derivation of the underlying costs of this specific service.

Table 36: Derivation of the Underlying Costs for Under Ground Staking (per meter)

Underlying Cost Description For:					
39b Underground Line Staking per Meter					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.0012		\$ 0.09
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	0.0212		\$ 1.68
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 1.05
Total Labour Cost					\$ 2.82
O	Small Vehicle Time	10.00	0.0100		\$ 0.10
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.10
Hydro One Underlying Cost and Proposed Charge					\$ 2.92
Hydro One Current Charge					\$ 4.95

5.31.2.1 Recommendation

Hydro One recommends the charge for this specific service should be decreased to \$2.92 per meter to avoid over collection of the underlying costs of performing this service.

5.31.3 Underlying Costs for Submarine Cable Line Staking per Meter

Table 37 shows the derivation of the underlying costs of this specific service.

Table 37: Derivation of the Underlying Costs for Submarine Cable Line Staking (per meter)

Underlying Cost Description For:					
39c Submarine Cable Line Staking per Meter					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.0007		\$ 0.05
A	Direct Labour (inside staff) Overtime				
B	Direct Labour (field staff) Straight Time	79.10	0.0192		\$ 1.52
O	Direct Labour (field staff) Overtime				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 0.93
Total Labour Cost					\$ 2.51
O	Small Vehicle Time	10.00	0.0042		\$ 0.04
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 0.04
Hydro One Underlying Cost and Proposed Charge					\$ 2.55
Hydro One Current Charge					\$ 4.95

5.31.3.1 Recommendation

Hydro One recommends the charge for this specific service should be decreased to \$2.55 per meter to avoid over collection of the underlying costs of performing this service.

5.32 Central Metering - New Service <45kW – Hydro One Code #40

When a new customer opts for central metering (“CM”) to avoid having to pay for a large and expensive service located in one building to supply several separate buildings on one property, or to reduce having a meter on each building, a CM service may be installed on a customer-owned pole. A maximum of four service connections can be connected at the Central Metered location. When the load supplied by the central metering service is less than 45 kW, the load does not justify the higher metering costs resulting from the use of instrument transformers, therefore the customer must pay to cover the instrument transformer costs.

5.32.1 Recommendation

Hydro One proposes the cost for this service remain at \$100.00 to recover the cost of the instrument transformer. There are no other charges associated with this service.

5.33 Conversion to Central Metering <45kW (Lines & MDET only) – Hydro One Code #41

Customers who request a conversion of conventional metering to CM require a new service layout, a change in their account, the removal of existing meters and equipment and installation of new equipment. This involves site visits for the layout, equipment modifications, and administrative work. If the installation is to supply a load of less than 45 kW, the customer is charged for the associated labour plus the incremental cost of the instrument transformers.

5.33.1 Underlying Costs

Table 38 shows the derivation of the underlying costs of this specific service.

Table 38: Derivation of the Underlying Costs for Conversion to Central Metering <45kW

Underlying Cost Description For:					
41 Conversion to Central Metering <45kW (Lines & MDET only)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.26		\$ 19.73
A	Direct Labour (inside staff) Straight Time	74.07	6.06		\$ 448.67
B	Direct Labour (field staff) Straight Time	79.10	3.50		\$ 276.85
O	Direct Labour (field staff) Straight Time				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 441.93
Total Labour Cost					\$ 1,187.17
O	Small Vehicle Time	10.00	3.50		\$ 35.00
T	Large Vehicle Time	57.00	3.03		\$ 172.63
H	Other: Material	100.00	1.00		\$ 100.00
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 307.63
Hydro One Underlying Cost and Proposed Charge					\$ 1,495
Hydro One Current Charge					\$ 1,035

5.33.2 Recommendation

Hydro One recommends the charge for this specific service should be increased to \$1,495.00 to recover the underlying costs of performing this service.

5.34 Conversion to Central Metering >45kW (Lines & MDET only) – Hydro One Code #42

Customers who request a conversion of conventional metering to CM require a new service layout, a change in their account, the removal of existing meters and equipment and installation of new equipment. This involves site visits for the layout, equipment modifications, and administrative work. Loads in excess of 45 kW, justify the costs for the required instrument transformer therefore, only the labour costs associated with performing this service are charged to the customer.

5.34.1 Underlying Costs

Table 39 shows the derivation of the underlying costs of this specific service.

Table 39: Derivation of the Underlying Costs for Conversion to Central Metering >45kW

Underlying Cost Description For:					
42 Conversion to Central Metering >45kW (Lines & MDET only)					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.27		\$ 20.13
A	Direct Labour (inside staff) Straight Time	74.07	6.06		\$ 448.67
B	Direct Labour (field staff) Straight Time	79.10	3.50		\$ 276.85
O	Direct Labour (field staff) Straight Time				
U	Other Labour (Specify)				
R	Payroll Burden (%)	59.30%			\$ 442.17
Total Labour Cost					\$ 1,187.82
O	Small Vehicle Time	10.00	3.50		\$ 35.00
T	Large Vehicle Time	57.00	3.03		\$ 172.63
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 207.63
Hydro One Underlying Cost and Proposed Charge					\$ 1,395
Hydro One Current Charge					\$ 915

5.34.2 Recommendation

Hydro One recommends the charge for this specific service should be increased to \$1,395.00 to recover the underlying costs of performing this service.

5.35 Tingle / Stray Voltage Investigation - excess of 4 hours (per hour-average 2 additional hours)

From the normal delivery and use of electricity, a small voltage may exist between two conductive surfaces that can be simultaneously contacted by an animal. Examples of the conductive surfaces include concrete floors, metal stabling, milk pipelines, and water bowls. This voltage, commonly referred to as, "animal contact voltage", "stray voltage", or "tingle voltage". This voltage usually presents no harm. However, if the voltage level is high enough, it may affect livestock behavior and health. Since 2009, the Distribution System Code (Section 4.7 & Appendix H) requires all Ontario Distribution Utilities to complete Stray Voltage Investigations on livestock farms customers by a competent person.

5.35.1 Recommendation

Hydro One staff responds to Farm Stray Voltage requests and completes these tests following the procedures as set out in the Distribution System Code (Section 4.7 & Appendix H). In the procedure, Hydro One works in partnership with the customer to mitigate any harmful farm stray voltage at animal contact locations. Hydro One will also work with the customer if the stray voltage measurement of the distribution system is below the thresholds, and the customer elects to install an Isolator on the service. Hydro One considers this service as part of the standard level of service in accordance with the DSC. Therefore, it is recommended that the current approved charge for Tingle/Stray Voltage Investigation be removed from the list of Hydro One miscellaneous service charges.

5.36 Stand-by Administration Charge – Hydro One Code #44

Hydro One has no records that this charge has ever been applied to Hydro One customers. A stand-by administration charge only covers the administration-related costs and not the cost of having distribution facilities in place to deliver stand-by power. Therefore, this charge was not part of this Study.

5.37 Connection Impact Assessments - Hydro One Codes #45a, 45b, 45c, 45d, 45e and 45f

Renewable generation development and the subsequent connection process involve a number of stages, including technical assessments. Hydro One assesses the technical impact of the renewable generation connection to its distribution system through a Connection Impact Assessment (“CIA”). A CIA is a more detailed assessment of a project's impact to the distribution system. The results include a technical report outlining project feasibility, technical specifications needed for the project and the impacts the project would have on the distribution grid and any of its customers, in accordance with Section 6.2.14 of the DSC.

The CIA ensures the safety, reliability, and efficiency of the Hydro One’s distribution system. In accordance with Section 6.2.11 of the DSC, Hydro One requires the proponent who applies for the connection of a generation facility to its distribution system to, upon making the application, pay their impact assessment costs.

5.37.1 Process Steps

CIA's can have many steps and will use various resources depending on the characteristics of the project. Different work sheets were created to capture the labour resources and time for each task required.

Form D1a was used to track task time by the Hydro One customer-facing group who receives the initial request for a connection impact assessment from the customer. A package is assembled to include all the pertinent forms required. The information is uploaded into the CIA project tracking system and a unique project identification number is assigned. This identification number is used to track the progress of the CIA throughout the process.

Form D2 was used by the Hydro One technical group that perform a preliminary review of the request to determine project location details, station loading, capacity checks, equipment information, etc. This review determines if all the required information has been received and if system capacity is available to allow the connection of the distributed generation project.

Forms D3A, D3B and D3C were used to track task time associated with the modeling and evaluation of the distributed generation project. Modeling of the project includes validation of the feeder conditions (e.g. loading, feeder length, conductor size, impedance) to simulate the actual distribution system conditions. The technical evaluation includes but is not limited to steady state and short circuit analysis, voltage impact and regulation, power factor tolerance, generator and feeder protection systems, thermal limits and requirements for compliance with standards. After finalizing the project simulation results, a CIA report, evaluation form, planning specifications and a class-C estimate are prepared. A review of the completed forms is done to confirm it is appropriate for the project to connect to the distribution system.

A special study may then be required to calculate the source impedance values by modeling all upstream sources connected to the transmission system. A simulation under a short circuit study will determine the impact of the Distributed Generation (“DG”) project on three phase line to line and line to ground faults.

Form D4 was used to track time associated with a site assessment. The site assessment is conducted to determine the requirements for the customer’s tapped line for connection to the Hydro One distribution system. This information is included in the class C estimate.

Form D1b is used by the customer facing group to compile and update the project information in the customer relationship management system and communicates the findings to the customer requesting the CIA.

In analyzing the data collected to perform CIAs, Hydro One has identified six different categories of CIAs. These six categories have unique underlying costs determined by the parameters of the project.

5.37.2 Underlying Costs of Connection Impact Assessments – Net Metering – Hydro Code #45a

A net metering generator, as defined in section 7(1) of the Net Metering Regulation (O. Reg. 541 / 05), generates electricity primarily for its own use from a renewable generation facility. Net

metering involves the measurement of the quantity of electricity a generator uses against the quantity of electricity it generates resulting in a net total. Net metering projects include those which have a capacity greater than 10 kW but is less than or equal to 500 kW that wishes to connect to Hydro One's distribution system.

Table 40 shows the derivation of the underlying costs of connection impact assessments for net metering.

**Table 40: Derivation of the Underlying Costs for Connection Impact Assessments
Net Metering**

Underlying Cost Description For: 45a Connection Impact Assessments - Net Metering					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.87		\$ 64.81
A	Direct Labour (inside staff) Straight Time	109.85	1.83		\$ 201.39
B	Direct Labour (inside staff) Straight Time	83.49	14.25		\$ 1,189.73
O	Direct Labour (field staff) Straight Time	79.10	4.08		\$ 322.35
U	Other Labour (inside staff) Straight Time	97.93	0.16		\$ 16.09
	Other Labour (inside staff) Straight Time	109.85	1.00		\$ 109.85
R	Payroll Burden (%)	59.30%			\$ 1,129.20
Total Labour Cost					\$ 3,033.43
O	Small Vehicle Time	10.00	1.81		\$ 18.05
T	Large Vehicle Time				\$ -
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 18.05
Hydro One Underlying Cost and Proposed Charge					\$ 3,051.48
Hydro One Current Charge					\$ 5,620

5.37.2.1 Recommendation

Hydro One recommends the fee for CIAs for net metering be decreased to \$3,051.00 to avoid over collection of the associated underlying costs.

5.37.3 Connection Impact Assessments - Embedded LDC Generators - Hydro One Code #45b

This category covers CIAs for Capacity Allocation Exempt ("CAE") sized DG projects including load displacement and energy storage facilities proposed for connection to the distribution system of an embedded LDC. This type of CIA is completed by Hydro One at the request of downstream LDC for the connection of a CAE-sized project to a Hydro One shared feeder.

As per the DSC, a “CAE small embedded generation facility” is an embedded generation facility that has a name-plate rated capacity of 250 kW or less in the case of a facility connected to a less than 15 kV line and 500 kW or less in the case of a facility connected to a 15 kV or greater line and is not a micro-embedded generation facility.

Table 41 shows the derivation of the underlying costs for connection impact assessments for embedded LDC generators.

Table 41: Derivation of the Underlying Costs for Connection Impact Assessments – Embedded LDC Generators

Underlying Cost Description For:					
45b Connection Impact Assessments - Embedded LDC Generators					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.87		\$ 64.81
A	Direct Labour (inside staff) Straight Time	97.93	10.66		\$ 1,044.35
B	Direct Labour (inside staff) Straight Time	83.49	1.58		\$ 132.19
O	Direct Labour (field staff) Straight Time	79.10	2.50		\$ 197.90
U	Other Labour (inside staff) Straight Time	109.85	1.25		\$ 137.31
	Other Labour field staff) Straight Time	79.10	1.57		\$ 124.45
R	Payroll Burden (%)	59.30%			\$ 1,008.70
Total Labour Cost					\$ 2,709.72
O	Small Vehicle Time	10.00	1.81		\$ 18.05
T	Large Vehicle Time				\$ -
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 18.05
Hydro One Underlying Cost and Proposed Charge					\$ 2,727.78
Hydro One Current Charge					\$ 5,620

5.37.3.1 Recommendation

Hydro One recommends the fee for connection impacts assessments for embedded LDC generators be decreased to \$2,727.78 to avoid over collection of the associated underlying costs.

5.37.4 Connection Impact Assessments - Small Projects < 500 kW – Hydro One Code #45c

This category covers CIAs completed for CAE-sized DG projects including load displacement and energy storage facilities proposed for connection to Hydro One distribution system. This type of CIA is completed by Hydro One at the request of an applicant when no LDC is involved.

Table 42 shows the derivation of the underlying costs for connection impact assessments for small projects less than 500 kW.

Table 42: Derivation of the Underlying Costs for Connection Impact Assessments – Small Projects <500kW

Underlying Cost Description For:					
45c Connection Impact Assessments - Small Projects < 500 kW					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.87		\$ 64.81
A	Direct Labour (inside staff) Straight Time	97.93	2.81		\$ 275.54
B	Direct Labour (inside staff) Straight Time	83.49	10.85		\$ 905.67
O	Direct Labour (field staff) Straight Time	79.10	4.08		\$ 322.35
U	Other Labour (inside staff) Straight Time	109.85	3.42		\$ 375.95
	Other Labour field staff) Straight Time				
R	Payroll Burden (%)	59.30%			\$ 1,152.99
Total Labour Cost					\$ 3,097.32
O	Small Vehicle Time	10.00	1.81		\$ 18.05
T	Large Vehicle Time				\$ -
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 18.05
Hydro One Underlying Cost and Proposed Charge					\$ 3,115.38
Hydro One Current Charge					\$ 5,620

5.37.4.1 Recommendation

Hydro One recommends the fee for connection impacts assessments for small projects less than 500 kW be decreased to \$3,115.38 to avoid over collection of the associated underlying costs.

5.37.5 Connection Impact Assessments - Small Projects < 500 kW, Simplified – Hydro One Code #45d

The following CAE-sized, 3-phase projects are eligible for a simplified CIA based on size of the generator and its connecting voltage:

- 10 kW < DG project ≤ 30 kW if connecting to < 15 kV
- 10 kW < DG project ≤ 100 kW if connecting to ≥ 15 kV

The size of the 3-phase project under each category is small enough that the impact on the system is not significant. Hence, the DG applicant receives a simplified CIA along with the class-C estimate. Single phase projects are not eligible for the simplified CIA.

Table 43 shows the derivation of the underlying costs for connection impact assessments for small projects less than 500 kW, simplified.

Table 43: Derivation of the Underlying Costs for Connection Impact Assessments – Small Projects <500kW Simplified

Underlying Cost Description For:					
45d Connection Impact Assessments - Small Projects ≤ 500 kW, Simplified					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.87		\$ 64.81
A	Direct Labour (inside staff) Straight Time	97.93	0.91		\$ 89.53
B	Direct Labour (inside staff) Straight Time	83.49	3.63		\$ 302.65
O	Direct Labour (field staff) Straight Time	79.10	4.08		\$ 322.35
U	Other Labour (inside staff) Straight Time	109.85	3.54		\$ 389.05
	Other Labour field staff) Straight Time				
R	Payroll Burden (%)	59.30%			\$ 692.86
Total Labour Cost					\$ 1,861.26
O	Small Vehicle Time	10.00	1.81		\$ 18.05
T	Large Vehicle Time				\$ -
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					\$ 18.05
Hydro One Underlying Cost and Proposed Charge					\$ 1,879.32
Hydro One Current Charge					\$ 5,620

5.37.5.1 Recommendation

Hydro One recommends the fee for connection impacts assessments for small projects less than 500 kW, simplified, be decreased to \$1,879.32 to avoid over collection of the associated underlying costs.

5.37.6 Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects – Hydro One Code #45e

The category covers the Capacity Allocation Required (“CAR”) CIAs for all DG projects including net metering, load displacement and energy storage facilities which are greater than CAE size; the projects greater than 250 kW if connecting to less than 15 kV and greater than 500 kW if connecting to greater or equal to 15 kV.

Table 44 shows the derivation of the underlying costs for this type of connection impact assessment.

Table 44: Derivation of the Underlying Costs for Connection Impact Assessments – Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects

Used For:					
45e Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.62		\$ 46.14
A	Direct Labour (inside staff) Straight Time	97.93	11.10		\$ 1,087.02
B	Direct Labour (inside staff) Straight Time	63.40	28.71		\$ 1,820.11
O	Direct Labour (field staff) Straight Time	109.85	20.37		\$ 2,237.28
U	Other Labour (inside staff) Straight Time				
R	Payroll Burden (%)	59.30%			\$ 3,077.99
Total Labour Cost					\$ 8,268.54
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					
Hydro One Underlying Cost and Proposed Charge					\$ 8,268.54
Hydro One Current Charge					\$ 12,055

5.37.6.1 Recommendation

Hydro One recommends the fee for connection impacts assessments for Greater than Capacity Allocation Exempt Projects – Capacity Allocation Required Projects be decreased to \$8,268.54 to avoid over collection of the associated underlying costs.

5.37.7 Connection Impact Assessments – Capacity Allocation Exempt Projects - TS Review for Embedded LDC Allocation Required Projects – Hydro One Code #45f

The Transformer Station (“TS”) review CIAs are completed for all DG projects greater than 500 kW including load displacement and energy storage facilities connecting to LDC dedicated feeders. The TS review CIAs are performed to determine if any upgrades are required at an upstream TS in order to facilitate connection of the DG projects to distribution system. Changes in the feeder protection schemes such as transfer trip, low set block signal, and distributed generator end open signal are evaluated to ensure adequate protection of the equipment in the event of a contingency on the system.

Table 45 shows the derivation of the underlying costs for this category of connection impact assessments.

Table 45: Derivation of the Underlying Costs for Connection Impact Assessments – Transformer Station Review for Embedded LDC Generators, Capacity Allocation Requests

Underlying Cost Description For:					
45f Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects					
		Rate/Amount	Hours/Units	O/T Factor	Calculated Cost
L	Direct Labour (inside staff) Straight Time	74.70	0.62		\$ 46.14
A	Direct Labour (inside staff) Straight Time	97.93	14.90		\$ 1,458.95
B	Direct Labour (inside staff) Straight Time	63.40	10.44		\$ 661.74
O	Direct Labour (field staff) Straight Time	109.85	11.45		\$ 1,257.78
U	Other Labour (inside staff) Straight Time				
R	Payroll Burden (%)	59.30%			\$ 2,030.79
Total Labour Cost					\$ 5,455.40
O	Small Vehicle Time				
T	Large Vehicle Time				
H	Other: Material				
E	Other: Contract				
R	Other: Other				
Total Other Cost					
Hydro One Underlying Cost and Proposed Charge					\$ 5,455.40
Hydro One Current Charge					\$ 12,055

5.37.7.1 Recommendation

Hydro One recommends the fee for connection impacts assessments for Greater than Capacity Allocation Exempt Projects – TS Review for LDC Capacity Allocation Required Projects be decreased to \$5,455.40 to avoid over collection of the associated underlying costs.

Appendix A

Time Study Data Work Sheets

Figure A-1: Miscellaneous Costs Time Study - Form A

2006 OEB Rate Hand Book Code - Miscellaneous Costs Time Study						FORM A	
Collections Activities to be studied on Tuesday and Thursdays (circle code)				All of these activities to be studied every time they are worked (circle code)			
OEB Rate Hand Book Code	Standard Name			OEB Rate Hand Book Code	Standard Name		
16	Collection of account charge - no disconnection			15	Special Meter Reads (retailer requested off-cycle read)		
17	Collection of account charge - no disconnection - after regular hours			24	Meter dispute charge - Measurement Canada		
18	Collection - Disconnect/Reconnect at meter - during regular hours			25	Trouble call - customer owned equipment regular hours (SKF 008)		
19	Collection - Install / Remove load control device - during regular hours			26	Trouble call - customer owned equipment after hours (SKF 008)		
20	Collection - Disconnect / Reconnect at meter - after regular hours			27	Temporary Service Charge - second trip to relocate to permanent service		
21	Collection - Install / Remove load control device - after regular hours			32	Reconnect completed after hours (customer/contractor driven)		
22	Collection - Disconnect/Reconnect at pole - during regular hours			K	Conversion to Central Metering <45 KW (Lines and MDET only)		
23	Collection - Disconnect/Reconnect at pole - after regular hours			L	Conversion to Central Metering >45 KW (Lines and MDET only)		
31	Vacant Premise Notice - Drop off Letter / Full Disconnect (circle one)			M	Tingle/Stray Voltage Test - excess of 4 hours		
ZONE 6		OPS Center					
				Circle applicable time below			
Date:		When was work done?		REG / OT2 / OT3			
Address:				Notification #:			
	Resource Type	Driving Time to get to site (MINUTES)	Total Time (MINUTES) to Perform Task at site	Material Used (meter Seal, meter ring, etc)	Type(s) of Vehicle Used (RBD, Bucket, half ton, MHAD)	Type(s) of Specialized TWE (skidoo, Argo, Boat,	Description of any other charges incurred (i.e. water
Resource 1							
Resource 2							
Resource 3							
Resource 4							
Notes: (Please add any notes here that is out of the ordinary. i.e. reason for delay. - car accident, construction, road closure etc)							
RETURN COMPLETED FORM TO THE TECH FLM FOR THE APPROPRIATE OPERATION CENTER.							
ZONE NUMBER		TECH FLM NAME			OPERATION CENTERS THEY ARE ACCOUNTABLE FOR		

Figure A-2: Miscellaneous Costs Time Study - Form B

2006 OEB Rate Hand Book Code - Miscellaneous Costs Time Study						FORM B				
All of these activities to be studied every time they are worked (circle correct OEB Rate Hand Code)										
OEB Rate Hand Book Code	Standard Name									
D	Additional Service Layout Fee - Basic (more than one hour)									
E	Additional Service Layout Fee - Complex (more than one hour)									
OEB Rate Hand Book Code	Line Staking to be Design and Staking Only (DOES NOT INCLUDE LABOUR FOR, EASEMENTS, JOINT USE SITE VISITS, MUNICIPAL CONSENTS OR CROSSINGS) - circle type									
I	OH Line Staking per Meter	TOTAL LENGTH OF EXPANSION TO BE STAKED:		meters						
I	UG Line Staking per Meter	NUMBER OF NEW POLES TO BE INSTALLED:								
I	SUB CABLE Line Staking per Meter	NUMBER OF ANCHORS BEING INSTALLED:								
OEB Rate Hand Book Code	All Crossings (Water, Railway, Pipeline) - circle correct OEB Rate Hand Code		OEB Rate Hand Book Code	All Crossings (Water, Railway, Pipeline) - circle correct OEB Rate Hand Code						
F	Pipeline Crossings		H	Railway Crossings						
G	Water Crossings									
ZONE 6 OPS Centre										
Circle applicable time below										
Date:	When was work done?		REG / OT2 / OT3							
Address:		Notification #:								
	Resource Type	Driving Time (to get to site to collect data)	Total Time (MINUTES) to Perform field	Office Time to prepare and submit the Application	Material Used (stakes, paint, surveyor tape, flags)	Type(s) of Vehicle Used (half ton or	Type(s) of Specialized TWE (skidoo, Argo, Boat, offroad, helicopter, etc)	Any other charges incurred (i.e. water taxi, boat launch	Application Permit Fees from the appropriate body (i.e. Oceans &	Any other items/fees?
Resource 1										
Resource 2										
Resource 3										
Resource 4										
Notes: (Please add any notes here that is out of the ordinary. (i.e. reason for delay - car accident, construction, road closure etc)										
RETURN COMPLETED FORM TO THE TECH FLM FOR THE APPROPRIATE OPERATION CENTER.										
ZONE NUMBER		TECH FLM NAME				OPERATION CENTERS THEY ARE ACCOUNTABLE FOR				

Connection Impact Assessment Project Work Sheets

Connection Impact Assessments (“CIAs”) use different resources depending on the characteristics of the project. For this reason, different work sheets were created to capture the labour resources and time for each task required. All forms were collected and input into a common spreadsheet and matched according to the project identification number.

Figure A-3: Connection Impact Assessment Time Study – Form D1a

Connection Impact Assessment (CIA) Time Study								FORM D1a	
All of these activities to be studied every time they are worked									
Call Center Staff - DXG Generation Group									
Week Of:		When was work done?			All Tasks were completed in Regular Time				
Receiving The Application Tasks									
Date CIA Application Received and Processed	CRM Project Number	Resource Type	Type of CIA Application (New, Revision, TAA, etc)	1) Review of Application (in minutes), Verify FAME	2) Data Entry into Customer Relationship Management (CRM) (in minutes)	3) Uploading Application to DG Sharepoint (in minutes)	4) Prepare Incomplete Emails back to Customers or requesting Corporate Profile Report	5) Process CIA Payment, entering the cheque in the CRM Payment Module, creating a payment record, and creating a sales order in SAP. Send cheque to A/R	Totals
		DxG Agent							
Comments: Manager Escalation (If required)									
RETURN COMPLETED FORM to XXXXXXX at EOD Fridays									

Figure A-4: Connection Impact Assessment Time Study Form – D2

Connection Impact Assessment (CIA) Time Study											FORM D2	
All of these activities to be studied every time they are performed												
CRM Project Number _____			Revision Number: _____			All Projects Completed In Reg Time						
Study Type: _____			Start Date _____ End Date _____									
Zone: _____			Ops Center: _____									
	Review application (MINUTES)	Communicate with Distribution Generator (MINUTES)	Perform Technical Evaluation (MINUTES)	Update Transformer Station or Distribution Station model (MINUTES)	Review Site Assessment (MINUTES)	Complete CIA review (MINUTES)	Evaluate Protection Schemes (MINUTES)	Complete Form C (MINUTES)	Perform CIA review (MINUTES)	Review Planning Spec (MINUTES)	Perform Class C review (MINUTES)	DLT Restudy (MINUTES)
PLTS Supervisor												
DLT												
Planner												
Assitant Planner												
Notes: (Please add any notes here that is out of the ordinary. (i.e. reason for delay that effected the work time spent completing the CIA etc)												
RETURN COMPLETED FORMS to Regulatory@HydroOne.com or hard copies to XXXXXXXX at XXX 1st FLR												

Figure A-5: Connection Impact Assessment Time Study Form – D3A

Connection Impact Assessment (CIA) Time Study										FORM D3A		
All of these activities to be studied every time they are performed												
Start Date:		MM-DD-YY		Project Type:		Highlight Applicable Time Below						
						REG		OT2		OT3		
CRM Project #:						Note: All work performed on REG time.						
	Resource Type	Monitor GCD Mailbox and Assign CIA/Form B Checks Accordingly (Hours)	Form B Check and Send Form B Letter (Hours)	Extract and Validate CYME Model (Hours)	Evaluation Form - Voltage Tests	Evaluation Form - Short Circuit Tests	Evaluation Form - Thermal Tests	Produce CIA Report and PS	Class C Estimate	Review of Evaluation Form, CIA Report, Planning Spec and Class C Estimate (Hours)	Upload CIA Documents to DG and GCD Sharepoint and Update Status in CRM (Hours)	Other Time Spent (Must note description of activities under the comments box) (Hours)
Resource 1												
Resource 2												
Resource 3												
Resource 4												
<u>Comments:</u> 												
RETURN COMPLETED FORMS to Regulatory@HydroOne.com or hard copies to XXXXXX at XXX 1st FLR												

Figure A-6: Connection Impact Assessment Time Study Form – D3B

Connection Impact Assessment (CIA) Time Study											FORM D3B		
All of these activities to be studied every time they are performed													
Start Date:		MM-DD-YY									Highlight Applicable Time Below		
											<div>REG</div> <div>OT2</div> <div>OT3</div>		
CRM Project #:											Note: All work performed on REG time.		
	Resource Type	Prepare Class C Estimate (Hours)											
Resource 1													
Resource 2													
Resource 3													
Resource 4													
Comments: (Please add any notes here that is out of the ordinary.)													
RETURN COMPLETED FORMS to Regulatory@HydroOne.com or hard copies to XXXXXX at XXX 1st FLR													

Figure A-7: Connection Impact Assessment Time Study Form – D3C

Connection Impact Assessment (CIA) Time Study											FORM D3C			
All of these activities to be studied every time they are performed														
Start Date:		MM-DD-YY					Highlight Applicable Time Below							
							REG		OT2		OT3			
CRM Project #:							Note: All work performed on REG time.							
	Resource Type	Perform Source Impedance Study (Hours)												
Resource 1														
Resource 2														
Resource 3														
Resource 4														
Comments: (Please add any notes here that is out of the ordinary.) 														
RETURN COMPLETED FORMS to Regulatory@HydroOne.com or hard copies to XXXXXX at XXX 1st FLR														

Figure A-8: Connection Impact Assessment Time Study Form – D4

Connection Impact Assessment (CIA) Site Assessment									FORM D4	
All of these activities to be studied every time they are worked										
ZONE ____	OPS Center									
					Circle applicable time below					
Date:				When was work done?	REG / OT2 / OT3					
Address:					CRM Project #:					
	Resource Type	Driving Time (to get to site to collect data) (MINUTES)	Total Time (MINUTES) to Perform field work.	Office Time to prepare and submit the Application (MINUTES)	Material Used (stakes, paint, surveyor tape, flags etc)	Type(s) of Vehicle Used (half ton or large truck)	Type(s) of Specialized TWE (skidoo,Argo,Boat, offroad, helicopter,etc)	Any other charges incurred (i.e water taxi, boat launch fees)	Application Permit Fees from the appropriate body (i.e. Oceans & Fisheries or	Any other items/fees?
Resource 1										
Resource 2										
Resource 3										
Resource 4										
Notes: (Please add any notes here that is out of the ordinary. (i.e. reason for delay - car accident, construction, road closure etc)										
RETURN COMPLETED FORM with Site Assessment										

Figure A-9: Connection Impact Assessment Time Study Form – D1b

Connection Impact Assessment (CIA) Time Study							FORM D1b	
All of these activities to be studied every time they are worked								
Call Center Staff - DXG Generation Group								
Week Of:					When was work done?		All Tasks were completed in Regular Time	
<i>Sending the Application Tasks</i>								
Date Send Documents Task Received and Processed	CRM Project Number	Resource Type	Type of CIA Application (New, Revision, TAA, etc)	5) Match CRM with CIA and Class C and Obtain AE Approval	6) Update CRM with CIA sent data and notes fields	7) Prepare CIA email template, attach CCA and Class C and Application /CANA and next steps and email customer	Any costs incurring, photocopying, off site storage.	Totals
		DxG Agent						
Notes: Manager Escalation (If required)								
RETURN COMPLETED FORM to XXXXXX at EOD Fridays								

Appendix B

Summary Tables of Support Data

The following are summary tables of the data collected during the time study for each miscellaneous service to support the proposed changes in fees.

Table B-1: Study Data for the Statement of Account Specific Service Charge

Underlying Cost Description Used For:

2 Statement of Account

Study Start Date		
Study End Date		
Total Study Records		
	Count	Notes
Total Book Code Records		
Clerical (Call Centre), jobs (sample size)	8	
Clerical (Mail room), letters	6,663	Number of Letters Sent for Rate Codes 2, 4, 5 and 7 during study period (September 2016)
Task Times		
Clerical (Call Centre), Time (hours)	0.73	Total time spent by Clerical Staff - Calculated by multiplying 0.09 hours on avg. (determined by Call Centre) * 8 (sample size)
Clerical (Mail room), Time (hours)	112.00	hrs. per month, 70% spent mailing; explanation in 'Mailroom' tab
Average Task Time (hours)		
Clerical (Call Centre), Average Time (hours)	0.09	
Clerical (Mail room), Average Time (hours)	0.02	
Total Task Time (hours)		
Calculation Assumptions		
Rates	Base rate, cost	Burden rate OT Factor Notes
Clerical (Call Centre)	\$ 74.70	-
Clerical (Mail room)	\$ 74.70	59.30%
Material	\$ 0.80	- postage
Resource	Rsrc. Qty.	Driving time (hrs.) Drvng. tme. Qty. Task time (hrs.) Task tme. Qty. Total Notes
Clerical (Call centre)	1.00	0.09 1.00 0.09
Clerical (Mail room)	1.00	0.02 1.00 0.02
Material	1.00	

Table B-2: Study Data for Duplicate Invoices for Previous Billing Specific Service Charge

Underlying Cost Description For:

4 Duplicate invoices for previous billing

Study Start Date							
Study End Date							
Total Study Records							
	Count	Notes					
Total Book Code Records							
Total Book Code Records							
Clerical (Call Centre), jobs (sample size)	8						
Clerical (Mail room), letters	6,663	Number of Letters Sent for Rate Codes 2, 4, 5 and 7 during study period (September 2016)					
Task Times							
Clerical (Call Centre), Time (hours)	0.67	Total time spent by Clerical Staff - Calculated by multiplying 0.08 hours on avg. (determined by Call Centre) * 8 (sample size)					
Clerical (Mail room), Time (hours)	112.00	hrs. per month, 70% spent mailing; explanation in 'Mailroom' tab					
Average Task Time (hours)							
Clerical (Call Centre), Average Time (hours)	0.08						
Clerical (Mail room), Average Time (hours)	0.02						
Total Task Time (hours)							
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Clerical (Mail room)	\$ 74.70		-				
Material	\$ 0.80		-				postage
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.08	1.00	0.08	
Clerical (Mail room)	1.00			0.02	1.00	0.02	
Material	1.00						

Table B-3: Study Data for the Request for Other Billing Information and Account History Specific Service Charges

Underlying Cost Description For:

- | | |
|---|---------------------------------------|
| 5 | Request for other billing information |
| 9 | Account History |

[illegible]

Table B-4: Study Data for an Easement Letter Specific Service Charge

Underlying Cost Description For:

6 Easement letter

Study Start Date							
Study End Date							
Total Study Records							
	Count	Notes					
Total Book Code Records							
Total Book Code Records							
Clerical (FBC), jobs (sample size)	22	Sample Size determined by taking an average of FBC staff that filled out individual tasks (three tasks total) of survey (as shown on Clerical - FBC tab)					
Clerical (Real Estate), jobs (sample size)	100	Real Estate performs 100 Unregistered Easement Rights Inquiries per month, on average					
Task Times							
Clerical (FBC), Time (hours)	7.38	442.5 mins. as totaled in Clerical - FBC Tab					
Clerical (Real Estate), Time (hours)	36.67	Total time spent by Real Estate Staff - Calculated by multiplying 22 mins (0.37 hrs.) on avg. (determined by Real Estate) * 100 (sample size)					
Average Task Time (hours)							
Clerical (FBC), Average Time (hours)	0.34						
Clerical (Real Estate), Average Time (hours)	0.37						
Total Task Time (hours)							
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (FB)	\$ 74.70	59.30%	-				
Clerical (Real Estate)	\$ 74.70		-				
Material	\$ 0.80		-				postage
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (FBC)	1.00			0.34	1.00	0.34	
Clerical (Real Estate)	1.00			0.37	1.00	0.37	
Material	1.00						

Table B-5: Study Data for an Income Tax Letter Specific Service Charge

Underlying Cost Description For:

7 Income tax letter

Study Start Date		
Study End Date		
Total Study Records		
	Count	Notes
Total Book Code Records		
Total Book Code Records		
Clerical (Call Centre), jobs (sample size)	7	
Clerical (Mail Room), letters	6,663	Number of Letters Sent for Rate Codes 2, 4, 5 and 7 during study period (September 2016)
Task Times		
Clerical (Call Centre), Time (hours)	0.58	Total time spent by Clerical Staff - Calculated by multiplying 0.08 hours on avg. (determined by Call Centre) * 7 (sample size)
Clerical (Mail Room), Time (hours)	112.00	hrs. per month, 70% spent mailing; explanation in 'Mailroom' tab
Average Task Time (hours)		
Clerical (Call Centre), Average Time (hours)	0.08	
Clerical (Mail Room), Average Time (hours)	0.02	
Total Task Time (hours)		
Calculation Assumptions		
Rates	Base rate, cost	Burden rate OT Factor Notes
Clerical (Call Centre)	\$ 74.70	-
Clerical (Mail Room)	\$ 74.70	59.30%
Material	\$ 0.80	- postage
Resource		
	Rsrc. Qty.	Driving time (hrs.) Drvng. tme. Qty. Task time (hrs.) Task tme. Qty. Total Notes
Clerical (Call Centre)	1.00	
Clerical (Mail Room)	1.00	
Material	1.00	

Table B-6: Study Data for Credit Reference / Credit Check Specific Service Charge

Underlying Cost Description For:

10 Credit reference/credit check (plus credit agency costs)

Study Start Date							
Study End Date							
Total Study Records							
	Count	Notes					
Total Book Code Records							
Total Book Code Records							
Clerical (Call Centre), jobs (sample size)	887						
Task Times							
Clerical (Call Centre), Time (hours)	140.44	Total time spent by Clerical Staff - Calculated by multiplying 0.16 hours on avg. (determined by Call Centre) * 887 (sample size)					
Average Task Time (hours)							
Clerical (Call Centre), Average Time (hours)	0.16						
Total Task Time (hours)							
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call Centre)	1.00			0.16	1.00	0.16	

Table B-7: Study Data for Returned Cheque Specific Service Charge

Underlying Cost Description For:							
11 Returned cheque charge							
Study Start Date							
Study End Date							
Total Study Records							
	Count	Notes					
Total Book Code Records							
Total Book Code Records							
Clerical (Call Centre), jobs	1,010						
Task Times							
Clerical (Call Centre), Time (hours)	58.92	Calculated by: 3.5 minutes/60 * 1010 book code records					
Average Task Time (hours)							
Clerical (Call Centre), Average Time (hours)	0.06						
Total Task Time (hours)							
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
				</			

Table B-8: Study Data for an Account Set Up / Change of Occupancy Specific Service Charge

Underlying Cost Description For:

14 Account set up charge/change of occupancy charge (plus credit agency costs if applicable)

Study Start Date							
Study End Date							
Total Study Records							
	Count	Notes					
Total Book Code Records							
Total Book Code Records							
Clerical (Call Centre), jobs (sample size)	4,228						
Task Times							
Clerical (Call Centre), Time (hours)	1250.78	Calculated by multiplying 0.30 hours on avg. (determined by Call Centre) * 4,228 (sample size)					
Average Task Time (hours)							
Clerical (Call Centre), Average Time (hours)	0.30						
Total Task Time (hours)							
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call Centre)	1.00			0.30	1.00	0.30	

Table B-9: Study Data for a Special Meter Read Specific Service Charge

Underlying Cost Description For:

15 Special Meter Reads (retailer requested off-cycle read)

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	38	
Records Omitted	-	
Final Sample Size for Field Work	38	
Total Book Code Records, FBC		
Clerical (Call Centre)	-	No studies; Attributed same labour hours as Collection of Account (no disconnection) - Rate Code 16 as tasks would be the same
Clerical (FBC)	-	
Task Times, FBC (hours)		
Clerical (Call Centre)	-	No studies; Attributed same labour hours as Collection of Account (no disconnection) - Rate Code 16 as tasks would be the same
Clerical (FBC)	-	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.11	No studies; Attributed same labour hours as Collection of Account (no disconnection) - Rate Code 16 as tasks would be the same
Clerical (FBC)	-	
Resource Types Used in the Study		Vehicles Used
	8 ADET	2 BLANK
	1 MD/MR	1 1/2 TON
	8 MDET	2 BARGE
	1 METER READER	6 ESCAPE
	18 MRDC	7 F150
	1 MRDC MDET	4 FORD ESCAPE
	1 RLM	8 HALF TON
		5 NA
		1 PICKUP
		1 SUV
		1 VAN
Average Driving Time (hours)	0.50	
Average Task Time (hours)	0.25	
Total Time (hours)	0.75	
Calculation Assumptions		
Rates	Base rate, cost	Burden rate
Clerical (Call Centre)	\$ 74.70	59.30%
Clerical (FBC)	\$ 74.70	
MRDC	\$ 57.12	
Small vehicle	\$ 10.00	
Resource	Rsrc. Qty.	Driving time (hrs.)
Clerical (Call centre)	1.00	
Clerical (FBC)	-	
MRDC	1.00	0.50
Small vehicle	1.00	0.50

Table B-8: Study Data for a Collection of Account – No Disconnection Service Charge

Underlying Cost Description For:

16 Collection of account charge - no disconnection

Study Start Date	1-Dec-2015						
Study End Date	30-Nov-2016						
Total Study Records	10,497						
	Count	Notes					
Total Book Code Records	1,014						
Records Omitted	-						
Final Sample Size for Field Work	1,014						
Total Book Code Records, FBC							
Clerical (Call Centre)	10						
Clerical (FBC)	46						
Task Times, FBC (hours)							
Clerical (Call Centre)	1.08	Calculated by multiplying 6' 27" average time and 10 samples to get total time in hours					
Clerical (FBC)	6.35						
Average Task Times, FBC (hours)							
Clerical (Call Centre)	0.11						
Clerical (FBC)	0.14						
Resource Types Used in the Study							
	20	BLANK	1	LINES APP 1 YEAR			
	1	16	1	LINES APP YEAR 1			
	1	18	2	LINES APPRENTICE 1ST YEAR			
	1	894-988	3	MDET			
	252	ADET	1	METER READER			
	6	ADET TRAINEE	1	METER READER, DATA COLLECTOR			
	2	CO-OP	4	MR			
	14	CO-OP STUDENT	27	MRA			
	5	HH METER READER	1	MRC			
	2	HH MRDA	530	MRDC			
	14	HIRING HALL	2	MRDC LC			
	7	LINEMAN	1	PLM			
	3	LINEMEN	1	RE			
	18	LINES	64	RLM			
	14	LINES APP	11	SDET			
Vehicles Used							
	17	BLANK	19	FORD ESCAPE			
	1	1.2 TON	2	FORD F150			
	22	1/2 TON	5	FORD RANGER			
	1	1/2 TONNE	1	HALF FON			
	3	3/4 TON	1	HALF ONE			
	1	4X4	1	HALF OTN			
	1	895	393	HALF TON			
	1	895-700	2	HALF TON F150			
	2	907-586	4	HALFTON			
	30	BUCKET	16	MHAD			
	5	BUCKET TRUCK	1	MINI VAN			
	2	BUCKET, HALF TON	1	PICK UP			
	4	CARAVAN	49	PICKUP			
	65	DODGE VAN	60	RANGER			
	1	DOUBLE BUCKET	4	SERVICE BUCKET			
	30	ESCAPE	2	SERVICE TRUCK			
	141	F150	3	SINGLE BUCKET			
	1	F-150	2	SINGLE BUCKET SERVICE			
	1	F150, HALF TON, PICKUP	60	SUV			
	7	F250	1	SUV ESCAPE			
	2	FORD ESCALADE	37	VAN			
Average Driving Time (hours)	0.37						
Average Task Time (hours)	0.29						
Total Time (hours)	0.66						
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Clerical (FBC)	\$ 74.70		-				
MRDC	\$ 57.12		-				
Small vehicle	\$ 10.00		-				
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.11	1.00	0.11	
Clerical (FBC)	1.00			0.14	1.00	0.14	
MRDC	1.00	0.37	1.00	0.29	1.00	0.66	
Small vehicle	1.00	0.37	1.00	0.29	1.00	0.66	

Underlying Cost Description For:

18 Collection - Disconnect/Reconnect at meter - during regular hours

99

Table B-10: Study Data for a Collection – Install / Remove Load Control Device during Regular Hours Service Charge

Underlying Cost Description For:

19 Collection - Install/Remove load control device - during regular hours

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	153	
Records Omitted	1	LISTED WORKING TIME AS "OT3"
Final Sample Size for Field Work	152	
Total Book Code Records, FBC		
Clerical (Call Centre)	236,656	
Clerical (FBC)	47	
Task Times, FBC (hours)		
Clerical (Call Centre)	39,442.67	Calculated by multiplying 0.17 hours on avg. (determined by Call Centre) * 236,656 (sample size)
Clerical (FBC)	12.33	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.17	
Clerical (FBC)	0.26	
Resource Types Used in the Study		
	3	BLANK
	56	ADET
	1	ADET TRAINEE
	3	HHMRA
	10	HIRING HALL
	2	LINEMEN
	2	LINES
	1	MDET
	2	MR
	7	MR/DC
	1	MRA
	54	MRDC
	9	RLM
	1	SMR
Vehicles Used		
	7	BLANK
	1	LOAD LIMITER
	17	1/2 TON
	2	3/4 TON
	8	BUCKET
	4	DODGE VAN
	10	F150
	2	FORD ESCAPE
	6	FORD ESCAPE SUV
	2	FORD RANGER
	62	HALF TON
	1	HALF TON - 895-515
	1	HLAF TON
	5	MHAD
	4	PICKUP
	3	RANGER
	2	RANGER PICKUP
	1	RANGER PICK-UP
	2	SUV
	10	VAN
Average Driving Time (hours)	0.41	
Average Task Time (hours)	0.25	
Total Time (hours)	0.66	
Calculation Assumptions		
Rates	Base rate, cost	Burden rate
Clerical (Call Centre)	\$ 74.70	59.30%
Clerical (FBC)	\$ 74.70	
MRDC	\$ 57.12	
Small vehicle	\$ 10.00	-
Meter seal	\$ 0.17	
Meter rings	\$ 0.50	
Sleeves	\$ 0.07	
OT Factor		
Notes		
Notes		
1 required per meter		
only need to replace 1/10 times, \$4.95 each		
\$9.93 for box of 144 sleeves; 2 sleeves required per meter		
Resource	Rsrc. Qty.	Driving time (hrs.)
Clerical (Call centre)	1.00	
Clerical (FBC)	1.00	
MRDC	1.00	0.41
Small vehicle	1.00	0.41
Meter seal	2.00	
Meter rings	1.00	
Sleeves	-	
Drvg. tme. Qty.		
Task time (hrs.)		
Task tme. Qty.		
Total		
Notes		
0.17		
1.00		
0.17		
0.26		
1.00		
0.26		
0.25		
1.00		
0.66		
0.25		
1.00		
0.66		
1 required per meter		
only need to replace 1/10 times, \$4.95 each		
\$9.93 for box of 144 sleeves; 2 sleeves required per meter		

Underlying Cost Description For:

101

Table B-12: Study Data for a Collection - Install / Remove a Load Control Device after Regular Hours Service Charge

Underlying Cost Description For:

21 Collection - Install/Remove load control device - after regular hours

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	16	
Records Omitted	10	LISTED AS "REG" WORKING TIME
Final Sample Size for Field Work	6	
Total Book Code Records, FBC		
Clerical (Call Centre)	236,656	
Clerical (FBC)	47	
Task Times, FBC (hours)		
Clerical (Call Centre)	39,442.67	Calculated by multiplying 0.17 hours on avg. (determined by Call Centre) * 236,656 (sample size)
Clerical (FBC)	12.33	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.17	
Clerical (FBC)	0.26	
Resource Types Used in the Study		
	1	2 MEN
	1	894-850
	2	ADET
	1	RLM
	1	UTS3
Vehicles Used		
	2	BUCKET
	1	HALF TON
	1	PICKUP
	2	SUV
Average Driving Time (hours)	0.53	
Average Task Time (hours)	0.36	
Total Time (hours)	0.89	

		Calculation Assumptions					
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70		-				
Clerical (FBC)	\$ 74.70	59.30%	-				
RLM	\$ 74.07		1.40				
Small vehicle	\$ 10.00		-				
Meter seal	\$ 0.17						1 required per meter
Meter rings	\$ 0.50						only need to replace 1/10 times, \$4.95 each
Sleeves	\$ 0.07						\$9.93 for box of 144 sleeves; 2 sleeves required per meter
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.17	1.00	0.17	
Clerical (FBC)	1.00			0.26	1.00	0.26	
RLM	1.00		0.53	2.00	0.36	1.00	1.42 driving time double, return trip
Small vehicle	1.00		0.53	2.00	0.36	1.00	1.42 the vehicle is out for the entire duration
Meter seal	1.00						1 required per meter
Meter rings	1.00						only need to replace 1/10 times, \$4.95 each
Sleeves	2.00						\$9.93 for box of 144 sleeves; 2 sleeves required per meter
Collective agreement adjustment	1.00					0.58	adjustment to achieve min. 2-hr. Callout

Table B-13: Study Data for a Collection – Disconnect / Reconnect at Pole during Regular Hours Service Charge

Underlying Cost Description For:

22 Collection - Disconnect/Reconnect at pole - during regular hours

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	261	
Records Omitted	7	LISTED WORKING TIME AS "OT2"
Final Sample Size for Field Work	254	
Total Book Code Records, FBC		
Clerical (Call Centre)	236,656	
Clerical (FBC)	47	
Task Times, FBC (hours)		
Clerical (Call Centre)	39,442.67	Calculated by multiplying 0.17 hours on avg. (determined by Call Centre) * 236,656 (sample size)
Clerical (FBC)	12.33	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.17	
Clerical (FBC)	0.26	
Resource Types Used in the Study		
	9	BLANK
	1	1 LINEMAN
	2	2 MEN
	1	894-462
	1	894-850
	1	907-028
	4	ADET
	1	LINE CREW 2 MEN
	17	LINEMAN
	35	LINES
	1	MRCD
	6	MRDC
	5	PL
	170	RLM
Vehicles Used		
	10	
	2	3/4 TON
	3	42' BUCKET
	2	46' MHAD
	1	902
	93	BUCKET
	1	BUCKET 932-415
	2	BUCKET TRUCK
	1	BUCKET, HALF TON
	2	BUCKET, SERVICE TRUCK
	2	CLIMBER
	2	F150
	1	FORD RANGER
	15	HALF TON
	1	HALF TON & MHAD
	1	HALF TON F150
	82	MHAD
	3	ONE TON MHAD
	4	PICKUP
	3	RBD MHAD 1 TON
	1	RBD MHAD 1TON
	5	SERVICE BUCKET
	2	SERVICE TRUCK
	14	SINGLE BUCKET
Average Driving Time (hours)	0.52	
Average Task Time (hours)	0.34	
Total Time (hours)	0.86	
Calculation Assumptions		
Rates	Base rate, cost	Burden rate
Clerical (Call Centre)	\$ 74.70	
Clerical (FBC)	\$ 74.70	59.30%
RLM	\$ 74.07	
Large vehicle	\$ 57.00	
OT Factor		
		-
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
Notes		
</		

Table B-14: Study Data for a Collection – Disconnect / Reconnect at the Pole after Regular Hours Service Charge

Underlying Cost Description For:

23 Collection - Disconnect/Reconnect at pole - after regular hours

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	53	
Records Omitted	9	LISTED WORKING TIME AS "REG"
Final Sample Size for Field Work	44	
Total Book Code Records, FBC		
Clerical (Call Centre)	236,656	
Clerical (FBC)	47	
Task Times, FBC (hours)		
Clerical (Call Centre)	39,442.67	Calculated by multiplying 0.17 hours on avg. (determined by Call Centre) * 236,656 (sample size)
Clerical (FBC)	12.33	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.17	
Clerical (FBC)	0.26	
Resource Types Used in the Study		
	1 2 MEN	
	1 894-850	
	1 907-028	
	4 LINEMAN	
	2 LINES	
	2 PL	
	32 RLM	
	1 UTS3	
Vehicles Used		
	1 BLANK	
	2 42' BUCKET	
	15 BUCKET	
	2 BUCKET, HALF TON	
	2 HALF TON	
	9 MHAD	
	2 MHAD/HALF TON	
	3 PICKUP	
	2 SERVICE BUCKET	
	5 SINGLE BUCKET	
Average Driving Time (hours)	0.55	
Average Task Time (hours)	0.46	
Total Time (hours)	1.01	

Calculation Assumptions						
Rates	Base rate, cost	Burden rate	OT Factor	Notes		Notes
Clerical (Call Centre)	\$ 74.70		-			
Clerical (FBC)	\$ 74.70	59.30%	-			
RLM	\$ 74.07		1.40			
Large vehicle	\$ 57.00		-			
Resource	Rsrc. Qty.	Driving time (hrs.)	Drng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total Notes
Clerical (Call centre)	1.00			0.17	1.00	0.17
Clerical (FBC)	1.00			0.26	1.00	0.26
RLM	2.00	0.55	2.00	0.46	1.00	3.13 driving time double, return trip, 2 x RLMs
Large vehicle	1.00	0.55	2.00	0.46	1.00	1.56 the vehicle is out for the entire duration
Collective agreement adjustment	2.00					0.87 adjustment to achieve min. 2hr. Callout

Table B-15: Study Data for a Meter Dispute Service Charge

Underlying Cost Description For:

24 Meter Dispute Charge - Measurement Canada

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	15	
Records Omitted	-	
Final Sample Size for Field Work	15	
Total Book Code Records, FBC		
Clerical (Call Centre)	231	
Clerical (FBC)	36	
Task Times, FBC (hours)		
Clerical (Call Centre)	138.73	Calculated by multiplying 36:02 minutes (avg. as determined by call centre) * 231 (sample size)
Clerical (FBC)	3.03	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.60	
Clerical (FBC)	0.08	
Resource Types Used in the Study		
	4	ADET
	2	LINEMAN
	1	LINES
	3	MDET
	1	MR/DC
	4	MRDC
Vehicles Used		
	1	BLANK
	2	3/4 TON
	2	BUCKET
	2	F250
	8	HALF TON
Average Driving Time (hours)	0.63	
Average Task Time (hours)	0.79	
Total Time (hours)	1.42	

Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Clerical (FBC)	\$ 74.70		-				
MDET	\$ 79.10		-				
Small vehicle	\$ 10.00		-	-			
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.60	1.00	0.60	
Clerical (FBC)	1.00			0.08	1.00	0.08	
MDET	1.00	0.63	1.00	0.79	1.00	1.42	
Small vehicle	1.00	0.63	1.00	0.79	1.00	1.42	the vehicle is out for the entire duration

Table B-16: Study Data for a Service Call –for Customer-Owned Equipment during Regular Hours Service Charge

Underlying Cost Description For:

25 Service call - customer owned equipment - during regular hours

Work sent directly to trouble crew, clerical work is after completion of the task

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	85	
Records Omitted	11	
Final Sample Size for Field Work	74	
Total Book Code Records, FBC		
Clerical (Call Centre)	7	
Clerical (FBC)		
Task Times, FBC (hours)		
Clerical (Call Centre)	0.39	Calculated by multiplying 36:22 minutes (avg. as determined by call centre) * 7 (sample size)
Clerical (FBC)		
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.06	
Clerical (FBC)	0.03	1.5 mins., determined by FBC as time required to claim SKF
Resource Types Used in the Study		
	1	BLANK
	1	2RLM
	1	300870543
	1	4 RLM
	4	LINEMEN
	2	LINES
	2	LINES JOURNEYMAN
	1	MDET
	1	ML-01
	1	MRDC
	58	RLM
Vehicles Used		
	1	
	1	1/2 TON
	1	4X4
	2	4X4 PICKUP, BUCKET
	1	4X4 PICKUP, RBD, MAHAD
	2	4X4 PICKUP, SINGLE BUCKET
	22	BUCKET
	3	HALF TON
	1	METER SEAL
	20	MHAD
	1	NA
	1	PICKUP
	2	PICKUP, SINGLE BUCKET
	3	RBD
	8	SINGLE BUCKET
Average Driving Time (hours)	0.65	
Average Task Time (hours)	0.76	
Total Time (hours)	1.41	

Calculation Assumptions						
Rates	Base rate, cost	Burden rate	OT Factor	Notes		Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-			
Clerical (FBC)	\$ 74.70		-			
RLM	\$ 74.07		-			
Large vehicle	\$ 57.00		-			

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.06	1.00	0.06	
Clerical (FBC)	1.00			0.03	1.00	0.03	
RLM	2.00	0.65	1.00	0.76	-	1.31	charging average of travel time; actuals for task
Large vehicle	1.00	0.65	1.00	0.76	-	0.65	the vehicle is out for the entire duration

Table B-19: Study Data for a Service Call on Customer-Owned Equipment after Regular Hours Service Charge

Underlying Cost Description For:

26 Service call - customer owned equipment - after regular hours

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	119	
Records Omitted	8	
Final Sample Size for Field Work	111	
Total Book Code Records, FBC		
Clerical (Call Centre)	2	
Clerical (FBC)		
Task Times, FBC (hours)		
Clerical (Call Centre)	0.12	Calculated by multiplying 3:27 minutes (avg. as determined by call centre) * 2 (sample size)
Clerical (FBC)		
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.06	
Clerical (FBC)	0.03	1.5 mins., determined by FBC as time required to claim SKF
Resource Types Used in the Study		
	2	4 RLM
	1	DENNIS WEAVER
	1	JOE O'REILLY
	2	LINEMAN
	1	LINES
	104	RLM
Vehicles Used		
	2	42' BKT
	1	4X4 BUCKET
	4	4X4 PICKUP
	4	4X4 PICKUP RBD
	3	4X4 PICKUP, RBD
	2	4X4 PICKUP, RBD, MAHAD
	8	4X4 PICKUP, SINGLE BUCKET
	2	4X4 PICKUPS, SINGLE BUCKET
	2	4X4 SINGLE BUCKET
	1	4X4, BUCKET
	1	4X4, MHAD
	1	4X4, PICKUP RBD
	2	4X4, RBD
	6	4X4, SINGLE BUCKET
	6	907-086
	14	BUCKET
Average Driving Time (hours)	0.65	
Average Task Time (hours)	0.89	
Total Time (hours)	1.55	

Calculation Assumptions								
Rates	Base rate, cost	Burden rate	OT Factor	Notes				Notes
Clerical (Call Centre)	\$ 74.70		-					
Clerical (FBC)	\$ 74.70	59.30%	-					
RLM	\$ 74.07		1.40					
Large vehicle	\$ 57.00		-	-				

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvgng. time Qty.	Task time (hrs.)	Task time Qty.	Total	Notes
Clerical (Call centre)	1.00			0.06	1.00	0.06	
Clerical (FBC)	1.00			0.03	1.00	0.03	
RLM	2.00	0.65	2.00	0.89	-	2.61	charging average of travel time; TASK TIME IS NOT BEING CALCULATED, PROPOSE TO CHARGE ACTUALS
Large vehicle	1.00	0.65	2.00	0.89	-	1.31	the vehicle is out for the entire duration
Collective agreement adjustment	2.00					1.39	adjustment to achieve min. 2hr. Callout

Table B-17: Study Data for a Vacant Premise – Move in with Reconnect of Electrical Service at Meter Charge

Underlying Cost Description For:

31a Vacant Premise - Move in with Reconnect of Electrical Service at Meter

Study Start Date	1-Dec-2015						
Study End Date	30-Nov-2016						
Total Study Records	10,497						
	Count	Notes					
Total Book Code Records	2,374						
Records Omitted							
Final Sample Size for Field Work	2,374						
Total Book Code Records, FBC							
Clerical (Call Centre)	-						
Clerical (FBC)	-						
Task Times, FBC (hours)							
Clerical (Call Centre)	-						
Clerical (FBC)	-						
Average Task Times, FBC (hours)							
Clerical (Call Centre)	0.03	2 minutes of time required to set up order to FBC					
Clerical (FBC)	0.26	Tasks are same as Rate Code 18/19					
Resource Types Used in the Study							
	18 BLANK	1 HH M/R DA	2 MHAD 2 MAN	170 RLM			
	1 16	7 HIRING HALL	10 MR	28 SDET			
	1 18	1 HIRING HALL M/R DA	16 MR/DC	31 SMR			
	1 22	1 HIRING HALL METER READER DATA COLLECTOR	43 MRA	23 SMRDC			
	1 300863319	5 LINEMAN	1 MRC	1 TECH			
	3 31	1 LINEMEN	1 MRCD	1 UTS2			
	1 5	19 LINES	2 MRD	1 UTS3			
	1 907-063	8 LINES APP	1,337 MRDC	1 UTSJ			
	521 ADET	1 LINES APP YEAR 1	5 MRDC HH	2 VACANT PREMISE NOTIFICATION			
	1 ADET 30	10 MDET	1 MRDC HIRING HALL	1 VACANT PREMISES			
	6 ADET TRAINEE	1 MDX	11 MRDC LC	2 VACANT PREMISES NOTIFICATION			
	1 ADETR	2 MDX/MR	1 MRDD				
	4 CO-OP	1 METER	1 MRDS				
	4 CO-OP STUDENT	9 METER READER	1 MT DC				
	1 CO-OP/ADET	1 METER READER/DATA	1 MTDC				
	11 DARRYL	4 MHAD	7 PLM				
	4 HALF TON						
Vehicles Used							
	47 BLANK	1 BOAT	32 FORD ESCAPE SUV	103 MHAD			
	1 F150	40 BUCKET	6 FORD F150	20 MINI VAN			
	1 PICKUP	1 CAR	1 FORD F150, HALF TON	2 MINIVAN			
	1 1/2	11 CARAVAN	16 FORD RANGER	4 NA			
	118 1/2 TON	83 DODGE VAN	1 FORD RANGER PICK UP	6 PICK UP			
	2 1/2 TON PICKUP	71 ESCAPE	743 HALF TON	2 PICKUP			
	1 1/2 TONE	1 ESCAPE SUV	1 HALF TON F150	99 PICKUP			
	1 3/4	372 F150	4 HALF TON F150	1 PICK-UP			
	13 3/4 TON	22 F-150	1 HALF TON PICKUP	2 PICKUP 893-934			
	1 3/4 TON TRUCK	1 F150 HALF TON	1 HALF TON TRUCK	1 PICKUP 895-572			
	4 4 X 4	17 F150 XL	3 HALF TON, F150	66 RANGER			
	1 42' BUCKET	2 F150, HALF TON	5 HALF TON	5 RBD			
	7 4X4	1 F150, HALF TON, PICKUP	1 HELICOPTER	12 SERVICE BUCKET			
	1 4X4 1/2 TON	15 F150XL	3 HT	5 SERVICE TRUCK			
	1 893-864	66 F250	1 HT F150	40 SUV			
	1 893-934 PICKUP	5 F-250	2 HT-F150	4 TRUCK			
	2 895	6 FORD 150	2 HYDRO VAN	145 VAN			
	43 895-572	57 FORD ESCAPE	1 MAHD				
Average Driving Time (hours)	0.38						
Average Task Time (hours)	0.19						
Total Time (hours)	0.57						
Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Clerical (FBC)	\$ 74.70		-				
MRDC	\$ 57.12		-				
Small vehicle	\$ 10.00		-				
Meter seal	\$ 0.17						1 required per meter
Meter rings	\$ 0.50						only need to replace 1/10 times, \$4.95 each
Sleeves	\$ 0.07						\$9.93 for box of 144 sleeves; 2 sleeves required per meter
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.03	1.00	0.03	
Clerical (FBC)	1.00			0.26	1.00	0.26	
MRDC	1.00	0.38	1.00	0.19	1.00	0.57	
Small vehicle	1.00	0.38	1.00	0.19	1.00	0.57	the vehicle is out for the entire duration
Meter seal	1.00						1 required per meter
Meter rings	1.00						only need to replace 1/10 times, \$4.95 each
Sleeves	2.00						\$9.93 for box of 144 sleeves; 2 sleeves required per meter

Table B-21: Study Data for Vacant Premise - Move in with Reconnect of Electrical Service at Pole Charge

Underlying Cost Description For:

31b Vacant Premise - Move in with Reconnect of Electrical Service at Pole

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	261	
Records Omitted	7	LISTED WORKING TIME AS "OT2"
Final Sample Size for Field Work	254	
Total Book Code Records, FBC		
Clerical (Call Centre)		
Clerical (FBC)	47	
Task Times, FBC (hours)		
Clerical (Call Centre)		
Clerical (FBC)	12.33	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.03	2 minutes of time required to set up order to FBC
Clerical (FBC)	0.26	Task is same as Rate Code 22
Resource Types Used in the Study		
	9	BLANK
	1	1 LINEMAN
	2	2 MEN
	1	894-462
	1	894-850
	1	907-028
	4	ADET
	1	LINE CREW 2 MEN
	17	LINEMAN
	35	LINES
	1	MRCD
	6	MRDC
	5	PL
	170	RLM
Vehicles Used		
	10	
	2	3/4 TON
	3	42' BUCKET
	2	46' MHAD
	1	902
	93	BUCKET
	1	BUCKET 932-415
	2	BUCKET TRUCK
	1	BUCKET, HALF TON
	2	BUCKET, SERVICE TRUCK
	2	CLIMBER
	2	F150
	1	FORD RANGER
	15	HALF TON
	1	HALF TON & MHAD
	1	HALF TON F150
	82	MHAD
	3	ONE TON MHAD
	4	PICKUP
	3	RBD MHAD 1 TON
	1	RBD MHAD 1TON
	5	SERVICE BUCKET
	2	SERVICE TRUCK
	14	SINGLE BUCKET
Average Driving Time (hours)	0.52	Task is same as Rate Code 22
Average Task Time (hours)	0.34	Task is same as Rate Code 22
Total Time (hours)	0.86	Task is same as Rate Code 22

Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Clerical (FBC)	\$ 74.70		-				
RLM	\$ 74.07		-				
Large vehicle	\$ 57.00	-	-				
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.03	1.00	0.03	
Clerical (FBC)	1.00			0.26	1.00	0.26	
RLM	2.00	0.52	1.00	0.34	1.00	1.72	2x RLMs
Large vehicle	1.00	0.52	1.00	0.34	1.00	0.86	the vehicle is out for the entire duration

Table B-18: Study Data for a Reconnect Completed after Regular Hours at Meter Service Charge

Used For:

32 Reconnect completed after hours (customer/contract driven) - at meter

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	100	
Records Omitted	9	LISTED WORKING TIME AS "REG"
Final Sample Size for Field Work	91	
Total Book Code Records, FBC		
Clerical (Call Centre)	236,656	
Clerical (FBC)	44	
Task Times, FBC (hours)		
Clerical (Call Centre)	39,442.67	Calculated by multiplying 0.17 hrs. (avg. as determined by call centre) * 236,656 (sample size)
Clerical (FBC)	18.14	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.17	
Clerical (FBC)	0.41	
Resource Types Used in the Study		
	2	907-028
	9	LINEMAN
	2	LINES
	68	RLM
	1	RLM APP 3RD YR
	1	UTS 2
	3	UTS II
	5	UTS3
Vehicles Used		
	7	BLANK
	1	1/2 TON
	2	42 BUCKET
	1	42 BUCKET
	6	42' BUCKET
	1	46' MHAD, 3/4 PICKUP
	1	46' MHAD, 3/4 TON PICKUP
	2	4X4 SINGLE
	2	907-086
	25	BUCKET
	1	BUCKET BOAT
	2	BUCKET, 4X4
	6	BUCKET, HALF TON
	11	HALF TON
	2	HALF TON, BUCKET
	13	MHAD
	3	SINGLE BUCKET
	1	SINGLE BUCKET 4X4 PICKUP
	3	SINGLE BUCKET, 4X4 PICKUP
Average Driving Time (hours)	0.62	
Average Task Time (hours)	0.59	
Total Time (hours)	1.21	

Calculation Assumptions							
Rates	Base rate, cost	Burden rate	OT Factor	Notes			Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-				
Clerical (FBC)	\$ 74.70		-				
RLM	\$ 74.07		1.20				Reconnects after hours are usually immediately after working hours. Therefore will be OT at 1.5x, within 2 hours after end of shift
Small vehicle	\$ 10.00	-	-				
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.17	1.00	0.17	
Clerical (FBC)	1.00			0.41	1.00	0.41	
RLM	1.00	0.62	2.00	0.59	1.00	1.83	driving time double, return trip, 1 x RLMs
Small vehicle	1.00	0.62	2.00	0.59	1.00	1.83	the vehicle is out for the entire duration

Table B-19: Study Data for a Reconnect Completed after Regular Hours at Pole Service Charge

Underlying Cost Description For:

33 Reconnect completed after hours (customer/contract driven) - at pole

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records	100	
Records Omitted	37	
Final Sample Size for Field Work	63	
Total Book Code Records, FBC		
Clerical (Call Centre)	236,656	
Clerical (FBC)	44	
Task Times, FBC (hours)		
Clerical (Call Centre)	39,442.67	Calculated by multiplying 0.17 hrs. (avg. as determined by call centre) * 236,656 (sample size)
Clerical (FBC)	18.14	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.17	
Clerical (FBC)	0.41	
Resource Types Used in the Study		
		</

Table B-20: Study Data for an Additional Basic Service Layout Service Charge

Underlying Cost Description For:

34 Additional Service Layout Fee - Basic (more than one hour)

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	91	
	Count	Notes
Total Book Code Records	25	
Records Omitted	-	
Final Sample Size for Field Work	25	
Total Book Code Records, FBC		
Clerical (Call Centre)	132	
Clerical (FBC)	42	
Task Times, FBC (hours)		
Clerical (Call Centre)	33.88	Calculated by multiplying 15:24 mins. (avg. as determined by call centre) * 42 (sample size)
Clerical (FBC)	15.98	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.26	
Clerical (FBC)	0.38	
Resource Types Used in the Study		
	20 ADET	
	1 CO-OP STUDENT	
	1 F150	
	1 PICKUP	
	1 VAN	
Vehicles Used		
	1 1 TON	
	3 1/2 TON	
	1 4X4	
	1 CARGO VAN	
	2 F150	
	8 HALF TON	
	1 HALF TON PICKUP	
	1 SUV	
	4 VAN	
Average Driving Time (hours)	0.72	
Average Task Time (hours)	1.12	
Average Office Time (hours)	1.75	
Total Time (hours)	3.58	

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Centre)	\$ 74.70		-						
Clerical (FBC)	\$ 74.70	59.30%	-						
ADET	\$ 79.10		-						
Small vehicle	\$ 10.00	-	-						
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call centre)	1.00			0.26	1.00			0.26	
Clerical (FBC)	1.00			0.38	1.00			0.38	
ADET	1.00	0.72	1.00	1.12	1.00	1.75	1.00	3.58	
Small vehicle	1.00	0.72	1.00	1.12	1.00			1.83	

Table B-21: Study Data for an Additional Complex Service Layout Service Charge

Underlying Cost Description For:

35 Additional Service Layout Fee - Complex (more than one hour)

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	91	
	Count	Notes
Total Book Code Records	6	
Records Omitted	-	
Final Sample Size	6	
Total Book Code Records, FBC		
Clerical (Call Centre)	132	
Clerical (FBC)	42	
Task Times, FBC (hours)		
Clerical (Call Centre)	33.88	Calculated by multiplying 15:24 mins. (avg. as determined by call centre) * 42 (sample size)
Clerical (FBC)	15.98	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.257	
Clerical (FBC)	0.380	
Resource Types Used in the Study		
	3 ADET	
	1 SDET	
	1 VAN	
Vehicles Used		
	1 ESCAPE	
	1 F150	
	2 HALF-TON	
	2 VAN	
Average Driving Time (hours)	0.56	
Average Task Time (hours)	0.79	
Average Office Time (hours)	2.33	
Total Time (hours)	3.68	
Calculation Assumptions		
Rates	Base rate, cost	Burden rate
Clerical (Call Centre)	\$ 74.70	OT Factor
Clerical (FBC)	\$ 74.70	Notes
ADET	\$ 79.10	
Small vehicle	\$ 10.00	
Resource	Rsrc. Qty.	Driving time (hrs.)
Clerical (Call centre)	1.00	Drng. tme. Qty.
Clerical (FBC)	1.00	Task time (hrs.)
ADET	1.00	Task tme. Qty.
Small vehicle	1.00	Office time (hrs.)
		Office tme. Qty.
		Total
		Notes

Table B-22: Study Data for Pipeline Crossings Service Charge

Underlying Cost Description For:

36 Pipeline Crossings

[illegible]

Table B-23: Study Data for a Water Crossings Service Charge

Underlying Cost Description For:

37 Water Crossings

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	91	
	Count	Notes
Total Book Code Records	3	
Records Omitted	-	
Final Sample Size	3	
Total Book Code Records, FBC		
Clerical (Real Estate)	3	
Clerical (FBC)	-	
Task Times, FBC (hours)		
Clerical (Real Estate)	1.65	Calculated by multiplying 33 mins. (avg. as determined by call centre) * 3 (sample size)
Clerical (FBC)		
Average Task Times, FBC (hours)		
Clerical (Real Estate)	0.55	
Clerical (FBC)	1.00	Required Tasks: Assemble packages, coordinate with appropriate authorities, liaison with Real Estate and ADET
Resource Types Used in the Study		
Vehicles Used		
Average Driving Time (hours)	1.33	
Average Task Time (hours)	21.42	
Average Office Time (hours)	-	
Total Time (hours)	22.75	

[illegible]

Table B-24: Study Data for a Railway Crossings Service Charge

Underlying Cost Description For:

38 Railway Crossings

Study Start Date	1-Dec-2015								
Study End Date	30-Nov-2016								
Total Study Records									
	Count	Notes							
Total Book Code Records									
Records Omitted									
Final Sample Size									
Total Book Code Records, FBC									
Clerical (Real Estate)	3								
Clerical (FBC)	-								
Task Times, FBC (hours)									
Clerical (Real Estate)	1.65	Calculated by multiplying 33 mins. (avg. as determined by call centre) * 3 (sample size)							
Clerical (FBC)	-								
Average Task Times, FBC (hours)									
Clerical (Real Estate)	0.55								
Clerical (FBC)	1.00	Print drawings, coordinate with Railway Company, set up tasks for ADETs, coordinate with Real Estate							
Resource Types Used in the Study									
Vehicles Used									
Average Driving Time (hours)	1.00								
Average Task Time (hours)	14.77								
Average Office Time (hours)	-								
Total Time (hours)	15.77	left the same as last year							
Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Real Estate)	\$ 74.70	59.30%	-						
Clerical (FBC)	\$ 74.70		-						
ADET	\$ 79.10		-						
MP2 Engineer	\$ 97.93								
PWU Grade 64 (CADD)	\$ 83.49								
Small vehicle	\$ 10.00	-	-						
Resource	Rsrc. Qty.	Driving time (hrs.)	Dvrg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Real Estate)	1.00			0.55	1.00			0.55	
Clerical (FBC)	1.00			1.00	1.00			1.00	
ADET	1.00	1.00	1.00	14.77	1.00			15.77	
Small vehicle	1.00	1.00	1.00	14.77	1.00			15.77	
MP2 Engineer	1.00			4.00	1.00			4.00	
PWU Grade 64 (CADD)	1.00			12.00	1.00			12.00	

Table B-29: Study Data for Overhead Line Staking Service Charge

Underlying Cost Description For:

39a Overhead Line Staking per Meter

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	91	
	Count	Notes
Total Book Code Records	29	
Records Omitted	2	Driving times were excessive, removed as considered input errors (8hrs and 34hrs)
Final Sample Size	27	
Total Book Code Records, FBC		
Clerical (Call Centre)	-	
Clerical (FBC)	28	
Task Times, FBC (hours)		
Clerical (Call Centre)	-	
Clerical (FBC)	8.3336	
Average Task Times, FBC (hours)		
Clerical (Call Centre)		
Clerical (FBC)	0.2976	
Resource Types Used in the Study		
	25	ADET
	1	HHMR
	1	PICKUP
	2	SDET
Vehicles Used		
	1	ESCAPE 850
	2	F150
	21	HALF TON
	1	HALF TON TRUCK
	1	PICKUP
	1	VAN
Average distance staked (m)	304.8846	
Average Driving Time (hours) per meter	0.0031	
Average Task Time (hours) per meter	0.0077	
Average Office Time (hours) per meter	0.0193	
Total Time (hours) per meter	0.0301	

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Real Estate)	\$ 74.70	59.30%	-						
Clerical (FBC)	\$ 74.70		-						
ADET	\$ 79.10		-						
Small vehicle	\$ 10.00	-	-						
Stakes per job	6.00								70m spans + 2 for phase and neutral anchors
Cost per stake	\$ 1.28								\$31.96 pack cost, 25 stakes per pack
Stake cost per meter, average	\$ 0.03								(Cost per stake * Stakes per job) / Average distance
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Real Estate)	-							-	
Clerical (FBC)	1.0000			0.0010	1.0000			0.0010	
ADET	1.0000	0.0031	1.0000	0.0077	1.0000	0.0193	1.0000	0.0301	
Small vehicle	1.0000	0.0031	1.0000	0.0077	1.0000			0.0108	
Stakes	1.0000								

Table B-30: Study Data for Underground Line Staking Service Charge

Underlying Cost Description For:

39b Underground Line Staking per Meter

Study Start Date	1-Dec-2015								
Study End Date	30-Nov-2016								
Total Study Records	91								
	Count	Notes							
Total Book Code Records	11								
Records Omitted	-								
Final Sample Size	11								
Total Book Code Records, FBC									
Clerical (Call Centre)	-								
Clerical (FBC)	28								
Task Times, FBC (hours)									
Clerical (Call Centre)	-								
Clerical (FBC)	8.3336								
Average Task Times, FBC (hours)									
Clerical (Call Center)									
Clerical (FBC)	0.2976								
Resource Types Used in the Study									
	11	ADET							
Vehicles Used									
	4	HALF TON							
Average distance staked (m)	246.6667								
Average Driving Time (hours) per meter	0.0008								
Average Task Time (hours) per meter	0.0091								
Average Office Time (hours) per meter	0.0113								
Total Time (hours) per meter	0.0212								
Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Real Estate)	\$ 74.70	59.30%	-						
Clerical (FBC)	\$ 74.70		-						
ADET	\$ 79.10		-						
Small vehicle	\$ 10.00	-	-						
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Real Estate)	-							-	
Clerical (FBC)	1.0000			0.0012	1.0000			0.0012	
ADET	1.0000	0.0008	1.0000	0.0091	1.0000	0.0113	1.0000	0.0212	
Small vehicle	1.0000	0.0008	1.0000	0.0091	1.0000			0.0100	

Table B-25: Study Data for Submarine Cable Line Staking Service Charge

Underlying Cost Description For:

39c Submarine Cable Line Staking per Meter

Study Start Date	1-Dec-2015								
Study End Date	30-Nov-2016								
Total Study Records	91								
	Count	Notes							
Total Book Code Records	17								
Records Omitted	-								
Final Sample Size	17								
Total Book Code Records, FBC									
Clerical (Call Center)	-								
Clerical (FBC)	28								
Task Times, FBC (hours)									
Clerical (Call Center)	-								
Clerical (FBC)	8.3336								
Average Task Times, FBC (hours)									
Clerical (Call Center)									
Clerical (FBC)	0.2976								
Resource Types Used in the Study									
	15	ADET							
	1	MRDC HH							
Vehicles Used									
	13	HALF TON							
	1	HALF TON TRUCK							
Average distance staked (m)	416.1176								
Average Driving Time (hours) per meter	0.0024								
Average Task Time (hours) per meter	0.0018								
Average Office Time (hours) per meter	0.0151								
Total Time (hours) per meter	0.0192								
Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Real Estate)	\$ 74.70	59.30%	-						
Clerical (FBC)	\$ 74.70		-						
ADET	\$ 79.10		-						
Small vehicle	\$ 10.00	-	-						
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Real Estate)	-							-	
Clerical (FBC)	1.0000			0.0007	1.0000			0.0007	
ADET	1.0000	0.0024	1.0000	0.0018	1.0000	0.0151	1.0000	0.0192	
Small vehicle	1.0000	0.0024	1.0000	0.0018	1.0000			0.0042	

Underlying Cost Description For:

41 Conversion to Central Metering <45kW (Lines & MDET only)

120

Table B-27: Study Data for a Conversion to Central Metering greater than 45kW Service Charge

Underlying Cost Description For:

42 Conversion to Central Metering >45kW (Lines & MDET only)

Study Start Date	1-Dec-2015	
Study End Date	30-Nov-2016	
Total Study Records	10,497	
	Count	Notes
Total Book Code Records		
Records Omitted		
Final Sample Size		
Total Book Code Records, FBC		
Clerical (Call Centre)	-	
Clerical (FBC)	41	
Task Times, FBC (hours)		
Clerical (Call Centre)	0.13	Estimated 8 minutes; average regular call time is 5 mins. + 3 mins. for complexity of call
Clerical (FBC)	5.58	
Average Task Times, FBC (hours)		
Clerical (Call Centre)	0.13	
Clerical (FBC)	0.14	
Resource Types Used in the Study		
Vehicles Used		
RLM - Average Driving Time (hours)	0.91	Same as Code 41
RLM - Average Task Time (hours)	2.12	Same as Code 41
RLM - Average Office Time (hours)	-	Same as Code 41
RLM - Total Time (hours)	3.03	Same as Code 41
ADET - Average Driving Time (hours)	0.50	Same as Code 41
ADET - Average Task Time (hours)	3.00	Same as Code 41
ADET - Average Office Time (hours)	0.00	Same as Code 41
ADET - Total Time (hours)	3.50	Same as Code 41

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Centre)	\$ 74.70	59.30%	-						
Clerical (FBC)	\$ 74.70		-						
RLM	\$ 74.07		-						
ADET	\$ 79.10								
Small vehicle	\$ 10.00	-	-						small vehicle for ADETs
Large vehicle	\$ 57.00								large vehicle for RLMs
Material - CM	\$ 100.00								

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call Centre)	1.00			0.13	1.00			0.13	
Clerical (FBC)	1.00			0.14	1.00			0.14	
RLM	2.00	0.91	1.00	2.12	1.00			6.06	
Small vehicle	1.00	0.50	1.00	3.00	1.00			3.50	small vehicle for ADETs
Large vehicle	1.00	0.91	1.00	2.12	1.00			3.03	large vehicle for RLMs
Material - CM	-								
ADET	1.00	0.50	1.00	3.00	1.00	-	1.00	3.50	

Table B-28: Study Data for a Connection Impact Assessment for Net Metering Service Charge

Underlying Cost Description For:

45a Connection Impact Assessments - Net Metering

Study Start Date	1-Feb-2016	
Study End Date	1-Nov-2016	
Total Study Records	70	
	Count	Notes
Total Book Code Records	70	records with non-zero total time
Records Omitted	-	
Final Sample Size	70	
Total Book Code Records		
Clerical (Call Centre), D1A jobs	157	same for all CIAs
Clerical (Call Centre), D1B jobs	98	same for all CIAs
DLT PWU (Grade 64), D2 jobs	1	
Planner (MP4), D2 jobs	1	
Clerical (FBC), D4	69	same for all CIAs
ADET, D4	69	
MP2, D4	69	
MP4, D4	69	
SDET, D4	5	
Small vehicle	70	
Task Times		
Clerical (Call Centre), D1A Time (hours)	68.32	same for all CIAs
Clerical (Call Centre), D1B Time (hours)	17.88	same for all CIAs
DLT PWU (Grade 64), D2 Time (hours)	14.25	
Planner (MP4), D2 Time (hours)	1.83	
Clerical (FBC), D4 Time (hours)	17.25	same for all CIAs
ADET, D4 Time (hours)		
ADET, D4 Time (hours) - Driving	59.22	
ADET, D4 Time (hours) - Task	67.17	
ADET, D4 Time (hours) - Office	46.25	
MP2, D4 Time (hours)	11.33	
MP4, D4 Time (hours)	69.00	
SDET, D4 Time (hours)		
SDET, D4 Time (hours) - Driving	1.37	
SDET, D4 Time (hours) - Task	3.42	
SDET, D4 Time (hours) - Office	3.08	
Small vehicle		
Small vehicle, D4 Time (hours) - Driving	59.22	
Small vehicle, D4 Time (hours) - Task	67.17	
Average Task Times		
Clerical (Call Centre), D1A Average Time (hours)	0.44	same for all CIAs
Clerical (Call Centre), D1B Average Time (hours)	0.18	same for all CIAs
DLT PWU (Grade 64), D2 Average Time (hours)	14.25	
Planner (MP4), D2 Average Time (hours)	1.83	
Clerical (FBC), D4 Average Time (hours)	0.25	same for all CIAs
ADET, D4 Average Time (hours)		
ADET, D4 Average Time (hours) - Driving	0.86	
ADET, D4 Average Time (hours) - Task	0.97	
ADET, D4 Average Time (hours) - Office	0.67	
MP2, D4 Average Time (hours)	0.16	
MP4, D4 Average Time (hours)	1.00	
SDET, D4 Average Time (hours)		
SDET, D4 Average Time (hours) - Driving	0.27	
SDET, D4 Average Time (hours) - Task	0.68	
SDET, D4 Average Time (hours) - Office	0.62	
Small vehicle, D4 Average Time (hours)		
Small vehicle, D4 Average Time (hours) - Driving	0.85	
Small vehicle, D4 Average Time (hours) - Task	0.96	
Total Average Time (hours)	24.00	

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Centre), D1A	\$ 74.70	59.30%							
Clerical (Call Centre), D1B	\$ 74.70								
DLT PWU (Grade 64), D2	\$ 83.49								
Planner (MP4), D2	\$ 109.85								
Clerical (FBC), D4	\$ 74.70								
ADET, D4	\$ 79.10								
MP2, D4	\$ 97.93								
MP4, D4	\$ 109.85								
SDET, D4	\$ 79.10								
Small vehicle	\$ 10.00								

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call Centre), D1A	1.00					0.44	1.00	0.44	
Clerical (Call Centre), D1B	1.00					0.18	1.00	0.18	
DLT PWU (Grade 64), D2	1.00					14.25	1.00	14.25	
Planner (MP4), D2	1.00					1.83	1.00	1.83	
Clerical (FBC), D4	1.00					0.25	1.00	0.25	
ADET, D4	1.00	0.86	1.00	0.97	1.00	0.67	1.00	2.50	
MP2, D4	1.00					0.16	1.00	0.16	
MP4, D4	1.00					1.00	1.00	1.00	
SDET, D4	1.00	0.27	1.00	0.68	1.00	0.62	1.00	1.57	
Small vehicle	1.00	0.85	1.00	0.96	1.00			1.81	

Table B-29: Study Data for a Connection Impact Assessment for Embedded LDC Generators Service Charge

Underlying Cost Description For:

45b Connection Impact Assessments - Embedded LDC Generators

450 Connection Impact Assessments - embedded LDC Generators		
Study Start Date		1-Feb-2016
Study End Date		1-Nov-2016
Total Study Records		70
	Count	Notes
Total Book Code Records	70	records with non-zero total time
Records Omitted	-	
Final Sample Size	70	
Total Book Code Records		records with non-zero total time
Clerical (Call Centre), D1A jobs	157	same for all CIAs
Clerical (Call Centre), D1B jobs	98	same for all CIAs
DLT PWU (Grade 64), D2 jobs	1	
Assistant Planner (MP2), D2 jobs	1	
PLTS Supervisor (MP4), D2 jobs	1	
Clerical (FBC), D4	69	same for all CIAs
ADET, D4	69	same for all CIAs
MP2, D4	69	
MP4, D4	69	
SDET, D4	5	
Small vehicle	70	
Task Times		
Clerical (Call Centre), D1A Time (hours)	68.32	same for all CIAs
Clerical (Call Centre), D1B Time (hours)	17.88	same for all CIAs
DLT PWU (Grade 64), D2 Time (hours)	1.58	
Assistant Planner (MP2), D2 Time (hours)	10.50	
PLTS Supervisor (MP4), D2 Time (hours)	0.25	
Clerical (FBC), D4 Time (hours)	17.25	same for all CIAs
ADET, D4 Time (hours)		
ADET, D4 Time (hours) - Driving	59.22	same for all CIAs
ADET, D4 Time (hours) - Task	67.17	same for all CIAs
ADET, D4 Time (hours) - Office	46.25	same for all CIAs
MP2, D4 Time (hours)	11.33	
MP4, D4 Time (hours)	69.00	
SDET, D4 Time (hours)		
SDET, D4 Time (hours) - Driving	1.37	
SDET, D4 Time (hours) - Task	3.42	
SDET, D4 Time (hours) - Office	3.08	
Small vehicle		
Small vehicle, D4 Time (hours) - Driving	59.22	
Small vehicle, D4 Time (hours) - Task	67.17	
Average Task Times		
Clerical (Call Centre), D1A Average Time (hours)	0.44	same for all CIAs
Clerical (Call Centre), D1B Average Time (hours)	0.18	same for all CIAs
DLT PWU (Grade 64), D2 Average Time (hours)	1.58	
Assistant Planner (MP2), D2 Average Time (hours)	10.50	
PLTS Supervisor (MP4), D2 Average Time (hours)	0.25	
Clerical (FBC), D4 Average Time (hours)	0.25	same for all CIAs
ADET, D4 Average Time (hours)		
ADET, D4 Average Time (hours) - Driving	0.86	same for all CIAs
ADET, D4 Average Time (hours) - Task	0.97	same for all CIAs
ADET, D4 Average Time (hours) - Office	0.67	same for all CIAs
MP2, D4 Average Time (hours)	0.16	
MP4, D4 Average Time (hours)	1.00	
SDET, D4 Average Time (hours)		
SDET, D4 Average Time (hours) - Driving	0.27	
SDET, D4 Average Time (hours) - Task	0.68	
SDET, D4 Average Time (hours) - Office	0.62	
Small vehicle, D4 Average Time (hours)		
Small vehicle, D4 Average Time (hours) - Driving	0.85	
Small vehicle, D4 Average Time (hours) - Task	0.96	
Total Average Time (hours)	20.25	

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Centre), D1A	\$ 74.70	59.30%							
Clerical (Call Centre), D1B	\$ 74.70								
DLT PWU (Grade 64), D2	\$ 83.49								
Assistant Planner (MP2), D2	\$ 97.93								
PLTS Supervisor (MP4), D2	\$ 109.85								
Clerical (FBC), D4	\$ 74.70								
ADET, D4	\$ 79.10								
MP2, D4	\$ 97.93								
MP4, D4	\$ 109.85								
SDET, D4	\$ 79.10								
Small vehicle	\$ 10.00								
Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call Centre), D1A	1.00			0.44		1.00		0.44	
Clerical (Call Centre), D1B	1.00					0.18	1.00	0.18	
DLT PWU (Grade 64), D2	1.00					1.58	1.00	1.58	
Assistant Planner (MP2), D2	1.00					10.50	1.00	10.50	
PLTS Supervisor (MP4), D2	1.00					0.25	1.00	0.25	
Clerical (FBC), D4	1.00					0.25	1.00	0.25	
ADET, D4	1.00	0.86	1.00	0.97	1.00	0.67	1.00	2.50	
MP2, D4	1.00					0.16	1.00	0.16	
MP4, D4	1.00					1.00	1.00	1.00	
SDET, D4	1.00	0.27	1.00	0.68	1.00	0.62	1.00	1.57	
Small vehicle	1.00	0.85	1.00	0.96	1.00			1.81	

Table B-30: Study Data for a Connection Impact Assessment for Small Projects less than 500kW Service Charge

Underlying Cost Description For:

45c Connection Impact Assessments - Small Projects < 500 kW

Study Start Date	1-Feb-2016	
Study End Date	1-Nov-2016	
Total Study Records	70	
	Count	Notes
Total Book Code Records	70	records with non-zero total time
Records Omitted	-	
Final Sample Size	70	
Total Book Code Records		records with non-zero total time
Clerical (Call Centre), D1A jobs	157	same for all CIAs
Clerical (Call Centre), D1B jobs	98	same for all CIAs
DLT PWU (Grade 64), D2 jobs	29	
Assistant Planner (MP2), D2 jobs	29	
Planner (MP4), D2 jobs	29	
PLTS Supervisor (MP4), D2 jobs	29	
Clerical (FBC), D4	69	same for all CIAs
ADET, D4	69	same for all CIAs
MP2, D4	69	
MP4, D4	69	
SDET, D4	5	
Small vehicle	70	
Task Times		
Clerical (Call Centre), D1A Time (hours)	68.32	same for all CIAs
Clerical (Call Centre), D1B Time (hours)	17.88	same for all CIAs
DLT PWU (Grade 64), D2 Time (hours)	314.58	
Assistant Planner (MP2), D2 Time (hours)	76.83	
Planner (MP4), D2 Time (hours)	57.08	
PLTS Supervisor (MP4), D2 Time (hours)	13.17	
Clerical (FBC), D4 Time (hours)	17.25	same for all CIAs
ADET, D4 Time (hours)		
ADET, D4 Time (hours) - Driving	59.22	same for all CIAs
ADET, D4 Time (hours) - Task	67.17	same for all CIAs
ADET, D4 Time (hours) - Office	46.25	same for all CIAs
MP2, D4 Time (hours)	11.33	
MP4, D4 Time (hours)	69.00	
SDET, D4 Time (hours)		
SDET, D4 Time (hours) - Driving	1.37	
SDET, D4 Time (hours) - Task	3.42	
SDET, D4 Time (hours) - Office	3.08	
Small vehicle		
Small vehicle, D4 Time (hours) - Driving	59.22	
Small vehicle, D4 Time (hours) - Task	67.17	
Average Task Times		
Clerical (Call Centre), D1A Average Time (hours)	0.44	same for all CIAs
Clerical (Call Centre), D1B Average Time (hours)	0.18	same for all CIAs
DLT PWU (Grade 64), D2 Average Time (hours)	10.85	
Assistant Planner (MP2), D2 Average Time (hours)	2.65	
Planner (MP4), D2 Average Time (hours)	1.97	
PLTS Supervisor (MP4), D2 Average Time (hours)	0.45	
Clerical (FBC), D4 Average Time (hours)	0.25	same for all CIAs
ADET, D4 Average Time (hours)		
ADET, D4 Average Time (hours) - Driving	0.86	same for all CIAs
ADET, D4 Average Time (hours) - Task	0.97	same for all CIAs
ADET, D4 Average Time (hours) - Office	0.67	same for all CIAs
MP2, D4 Average Time (hours)	0.16	
MP4, D4 Average Time (hours)	1.00	
SDET, D4 Average Time (hours)		
SDET, D4 Average Time (hours) - Driving	0.27	
SDET, D4 Average Time (hours) - Task	0.68	
SDET, D4 Average Time (hours) - Office	0.62	
Small vehicle, D4 Average Time (hours)		
Small vehicle, D4 Average Time (hours) - Driving	0.85	
Small vehicle, D4 Average Time (hours) - Task	0.96	
Total Average Time (hours)	23.83	

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Centre), D1A	\$ 74.70	59.30%							
Clerical (Call Centre), D1B	\$ 74.70								
DLT PWU (Grade 64), D2	\$ 83.49								
Assistant Planner (MP2), D2	\$ 97.93								
Planner (MP4), D2	\$ 109.85								
PLTS Supervisor (MP4), D2	\$ 109.85								
Clerical (FBC), D4	\$ 74.70								
ADET, D4	\$ 79.10								
MP2, D4	\$ 97.93								
MP4, D4	\$ 109.85								
SDET, D4	\$ 79.10								
Small vehicle	\$ 10.00								

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call Centre), D1A	1.00					0.44	1.00	0.44	
Clerical (Call Centre), D1B	1.00					0.18	1.00	0.18	
DLT PWU (Grade 64), D2	1.00					10.85	1.00	10.85	
Assistant Planner (MP2), D2	1.00					2.65	1.00	2.65	
Planner (MP4), D2	1.00					1.97	1.00	1.97	
PLTS Supervisor (MP4), D2	1.00					0.45	1.00	0.45	
Clerical (FBC), D4	1.00					0.25	1.00	0.25	
ADET, D4	1.00	0.86	1.00	0.97	1.00	0.67	1.00	2.50	
MP2, D4	1.00					0.16	1.00	0.16	
MP4, D4	1.00					1.00	1.00	1.00	
SDET, D4	1.00	0.27	1.00	0.68	1.00	0.62	1.00	1.57	
Small vehicle	1.00	0.85	1.00	0.96	1.00			1.81	

Table B-31: Study Data for a Connection Impact Assessment for Small Projects less than 500kW, Simplified Service Charge

Underlying Cost Description For:

45d Connection Impact Assessments - Small Projects ≤ 500 kW, Simplified

Study Start Date	1-Feb-2016
Study End Date	1-Nov-2016
Total Study Records	70
	Count
Total Book Code Records	70
Records Omitted	-
Final Sample Size	70
Total Book Code Records	70
Clerical (Call Centre), D1A jobs	157
Clerical (Call Centre), D1B jobs	98
DLT PWU (Grade 64), D2 jobs	2
Assistant Planner (MP2), D2 jobs	2
Planner (MP4), D2 jobs	2
PLTS Supervisor (MP4), D2 jobs	2
Clerical (FBC), D4	69
ADET, D4	69
MP2, D4	69
MP4, D4	69
SDET, D4	5
Small vehicle	70
Task Times	
Clerical (Call Centre), D1A Time (hours)	68.32
Clerical (Call Centre), D1B Time (hours)	17.88
DLT PWU (Grade 64), D2 Time (hours)	7.25
Assistant Planner (MP2), D2 Time (hours)	1.50
Planner (MP4), D2 Time (hours)	4.25
PLTS Supervisor (MP4), D2 Time (hours)	0.83
Clerical (FBC), D4 Time (hours)	17.25
ADET, D4 Time (hours)	
ADET, D4 Time (hours) - Driving	59.22
ADET, D4 Time (hours) - Task	67.17
ADET, D4 Time (hours) - Office	46.25
MP2, D4 Time (hours)	11.33
MP4, D4 Time (hours)	69.00
SDET, D4 Time (hours)	
SDET, D4 Time (hours) - Driving	1.37
SDET, D4 Time (hours) - Task	3.42
SDET, D4 Time (hours) - Office	3.08
Small vehicle	
Small vehicle, D4 Time (hours) - Driving	59.22
Small vehicle, D4 Time (hours) - Task	67.17
Average Task Times	
Clerical (Call Centre), D1A Average Time (hours)	0.44
Clerical (Call Centre), D1B Average Time (hours)	0.18
DLT PWU (Grade 64), D2 Average Time (hours)	3.63
Assistant Planner (MP2), D2 Average Time (hours)	0.75
Planner (MP4), D2 Average Time (hours)	2.13
PLTS Supervisor (MP4), D2 Average Time (hours)	0.42
Clerical (FBC), D4 Average Time (hours)	0.25
ADET, D4 Average Time (hours)	
ADET, D4 Average Time (hours) - Driving	0.86
ADET, D4 Average Time (hours) - Task	0.97
ADET, D4 Average Time (hours) - Office	0.67
MP2, D4 Average Time (hours)	0.16
MP4, D4 Average Time (hours)	1.00
SDET, D4 Average Time (hours)	
SDET, D4 Average Time (hours) - Driving	0.27
SDET, D4 Average Time (hours) - Task	0.68
SDET, D4 Average Time (hours) - Office	0.62
Small vehicle, D4 Average Time (hours)	
Small vehicle, D4 Average Time (hours) - Driving	0.85
Small vehicle, D4 Average Time (hours) - Task	0.96
Total Average Time (hours)	14.83

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Centre), D1A	\$ 74.70	59.30%							
Clerical (Call Centre), D1B	\$ 74.70								
DLT PWU (Grade 64), D2	\$ 83.49								
Assistant Planner (MP2), D2	\$ 97.93								
Planner (MP4), D2	\$ 109.85								
PLTS Supervisor (MP4), D2	\$ 109.85								
Clerical (FBC), D4	\$ 74.70								
ADET, D4	\$ 79.10								
MP2, D4	\$ 97.93								
MP4, D4	\$ 109.85								
SDET, D4	\$ 79.10								
Small vehicle	\$ 10.00								

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvg. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call Centre), D1A	1.00					0.44	1.00	0.44	
Clerical (Call Centre), D1B	1.00					0.18	1.00	0.18	
DLT PWU (Grade 64), D2	1.00					3.63	1.00	3.63	
Assistant Planner (MP2), D2	1.00					0.75	1.00	0.75	
Planner (MP4), D2	1.00					2.13	1.00	2.13	
PLTS Supervisor (MP4), D2	1.00					0.42	1.00	0.42	
Clerical (FBC), D4	1.00					0.25	1.00	0.25	
ADET, D4	1.00	0.86	1.00	0.97	1.00	0.67	1.00	2.50	
MP2, D4	1.00					0.16	1.00	0.16	
MP4, D4	1.00					1.00	1.00	1.00	
SDET, D4	1.00	0.27	1.00	0.68	1.00	0.62	1.00	1.57	
Small vehicle	1.00	0.85	1.00	0.96	1.00			1.81	

Underlying Cost Description For:

45e Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - Capacity Allocation Required Projects

126

Table B-33: Study Data for a CIA Greater than CAE Projects with a TS Review for LDC CAR Projects Service Charge

Underlying Cost Description For:

45f Connection Impact Assessments - Greater than Capacity Allocation Exempt Projects - TS Review for LDC Capacity Allocation Required Projects

Study Start Date	1-Feb-2016	
Study End Date	1-Nov-2016	
Total Study Records	8	
	Count	Notes
Total Book Code Records	8	records with non-zero total time
Records Omitted	-	
Final Sample Size	8	
Total Book Code Records		records with non-zero total time
Clerical (Call Center), D1A jobs	157	same for all CIAs
Clerical (Call Center), D1B jobs	98	same for all CIAs
Intern PWU, D3B jobs	8	
MP2, D3A jobs	8	
MP4, D3A jobs	8	
MP5, D3A jobs	8	
MP2, D3C - Special Studies jobs	12	
MP4, D3B - Estimating jobs	14	
Task Times		
Clerical (Call Center), D1A Time (hours)	68.32	same for all CIAs
Clerical (Call Center), D1B Time (hours)	17.88	same for all CIAs
Intern PWU, D3B Time (hours)	83.50	
MP2, D3A Time (hours)	101.85	
MP4, D3A Time (hours)	21.50	
MP5, D3A Time (hours)	6.10	
MP2, D3C - Special Studies Time (hours)	26.00	
MP4, D3B - Estimating Time (hours)	112.00	
Average Task Times		
Clerical (Call Center), D1A Average Time (hours)	0.44	same for all CIAs
Clerical (Call Center), D1B Average Time (hours)	0.18	same for all CIAs
Intern PWU, D3B Average Time (hours)	10.44	
MP2, D3A Average Time (hours)	12.73	
MP4, D3A Average Time (hours)	2.69	
MP5, D3A Average Time (hours)	0.76	
MP2, D3C - Special Studies Average Time (hours)	2.17	
MP4, D3B - Estimating Average Time (hours)	8.00	
Total Average Time (hours)	37.40	

Calculation Assumptions									
Rates	Base rate, cost	Burden rate	OT Factor	Notes					Notes
Clerical (Call Center), D1A	\$ 74.70	59.30%							
Clerical (Call Center), D1B	\$ 74.70								
Intern PWU, D3B	\$ 63.40								
MP2, D3A	\$ 97.93								
MP4, D3A	\$ 109.85								
MP5, D3A	\$ 109.85								
MP2, D3C - Special Studies	\$ 97.93								
MP4, D3B - Estimating	\$ 109.85								

Resource	Rsrc. Qty.	Driving time (hrs.)	Drvng. tme. Qty.	Task time (hrs.)	Task tme. Qty.	Office time (hrs.)	Office tme. Qty.	Total	Notes
Clerical (Call Center), D1A	1.00					0.44	1.00	0.44	
Clerical (Call Center), D1B	1.00					0.18	1.00	0.18	
Intern PWU, D3B	1.00					10.44	1.00	10.44	
MP2, D3A	1.00					12.73	1.00	12.73	
MP4, D3A	1.00					2.69	1.00	2.69	
MP5, D3A	1.00					0.76	1.00	0.76	
MP2, D3C - Special Studies	1.00					2.17	1.00	2.17	
MP4, D3B - Estimating	1.00					8.00	1.00	8.00	

January 26, 2017

Oded Hubert
Vice President, Regulatory Affairs
Hydro One Networks Inc.
7th Floor, South Tower 483 Bay Street
Toronto, Ontario
M5G 2P5

Dear Mr. Hubert:

Re: Hydro One Miscellaneous Service Charges Study

This letter documents my role as an external independent expert for Hydro One's Miscellaneous Service Charges Study ("Study"). This role was undertaken in accordance with the work plan for the Study which included as an early step:

Independent Third Party

Hydro One also sought guidance from an external expert for guidance and review of Hydro One's approach and methodology to ensure it will meet the study objectives and is defensible in an OEB proceeding. To perform this role, Hydro One leveraged its existing Supply Chain Outline Agreement under which Elenchus was deemed qualified to perform this role.

My engagement in the process was as follows.

- In October 2015, upon being retained, Maxine Cooper sent me a draft version of the detailed description of the plan for conducting the Study. I reviewed the draft and provided detailed suggestions for enhancing the Study in a meeting on November 4, 2015. I consider the approach that was implemented was appropriate and effective for the intended purpose, as set out in the project plan.
- Prior to completion of the project, I reviewed a preliminary draft of the Study report that was dated November 15, 2016. I provided a memo dated November 25 that included several suggestions for enhancing the analysis, conclusions and presentation contained in the report. I presented my observations during a meeting held on December 1, 2016.
- A revised draft dated December 9, 2016 was sent to me for further review. This draft reflected the comments previously provided and I provided suggestions for further minor revisions.

I have now reviewed the final version of the Study report dated December 29, 2016 and can confirm that the Study was conducted using a thorough and appropriate methodology. I have not conducted an independent audit of the results, but I can confirm that in my view the final methodology and the results of the study provide confidence that the results are reasonable and supported by a detailed assessment of the costs associated with providing the services included in the Study to Hydro One customers.

Sincerely,

A handwritten signature in black ink, appearing to read "John D. Todd".

John D. Todd
jtodd@elenchus.ca
(416) 348-9910

FORM A

Proceeding: EB-2017-0049

ACKNOWLEDGMENT OF EXPERT'S DUTY

1. My name is John Douglas Todd. I live at Toronto, in the province of Ontario .
2. I have been engaged by or on behalf of Hydro One Networks Inc. to provide evidence in relation to the above-noted proceeding before the Ontario Energy Board.
3. I acknowledge that it is my duty to provide evidence in relation to this proceeding as follows:
 - (a) to provide opinion evidence that is fair, objective and non-partisan;
 - (b) to provide opinion evidence that is related only to matters that are within my area of expertise; and
 - (c) to provide such additional assistance as the Board may reasonably require, to determine a matter in issue.
4. I acknowledge that the duty referred to above prevails over any obligation which I may owe to any party by whom or on whose behalf I am engaged.

Date: February 9, 2017



Signature

PRESIDENT

John Todd has specialized in government regulation for over 35 years, addressing issues related to price regulation and deregulation, market restructuring to facilitate effective competition, and regulatory methodology. Sectors of primary interest in recent years have included electricity, natural gas and the telecommunications industry. John has assisted counsel in over 250 proceedings and provided expert evidence in over 100 hearings. His clients include regulated companies, producers and generators, competitors, customer groups, regulators and government.

PROFESSIONAL OVERVIEW

Founder of Elenchus Research Associates Inc. (Elenchus) 2003

- ERAI was spun off from ECS (see below) as an independent consulting firm in 2003. There are presently twenty-five ERAI Consultants and Associates. Web address: www.elenchus.ca

Founded the Canadian Energy Regulation Information Service (CERISE) 2002

- CERISE is a web-based service providing a decision database, regulatory monitoring and analysis of current issues on a subscription basis. Staff are Rachel Chua and rotating co-op students. Web address: www.cerise.info

Founded Econalysis Consulting Services, Inc. (ECS) 1980

- ECS was divested as a separate company in 2003
- There are presently four ECS consultants: Bill Harper, Mark Garner, Shelley Grice, and James Wightman. Web address: www.econalysis.ca

EDUCATION

1975 Masters in Business Administration in Economics and Management Service, University of Toronto

1972 Bachelors of Science in Electrical Engineering, University of Toronto

PRIOR EMPLOYMENT

Ontario Economic Council, Research Officer (Government Regulation) 1978 - 1980

Research Assistant, Univ. of Toronto, Faculty of Management Studies 1973 - 1978

Bell Canada, Western Area Engineering 1972 – 1973

REGULATORY/LEGAL PROCEEDINGS

Provided expert evidence and/or assistance to the applicant or another participant:

Before the Ontario Energy Board

John Todd has provided expert assistance in a total of 62 proceedings before the Ontario Energy Board from 1991 to 2016. He has presented evidence in 25 of these cases. The most recent case he participated in was the *Independent Electricity System Operator, 2016 Usage Fee*. Evidence: Cost Allocation and Rate Design for the 2016 IESO Usage Fee.

Before the Public Utilities Board of Manitoba

John has provided expert assistance in a total of 46 proceedings before the Public Utilities Board of Manitoba from 1990 to 2015. He has presented evidence in 23 of these cases. The most recent case he participated in was the *City of Winnipeg: Manitoba Hydro 2015/16 GRA and Manitoba Hydro COSS Review*.

Before the British Columbia Utilities Commission

John has provided expert assistance in a total of 33 proceedings before the British Columbia Utilities Commission from 1993 to 2006. He has presented evidence in eight of these cases. The most recent case he participated in was the *British Columbia Transmission Corporation, 2006 Transmission Revenue Requirement*.

Before the Régie de l'énergie

John has provided expert assistance in a total of ten proceedings before the Régie de l'énergie from 1998 to 2014. He has presented evidence in nine of these cases. The most recent case he participated in was the *Report for the Régie de l'énergie, Performance Based Regulation: A Review of Design Options as Background for the Review of PBR for Hydro Quebec Distribution and Transmission Divisions*.

Before the Alberta Energy and Utilities Board

John has provided expert assistance in of two proceedings before the Alberta Energy and Utilities Board in 2001. He has presented evidence in one case. The second case of 2001 was in regards to the case of *Generic, Gas Rate Unbundling (2001-093)*. Evidence: Canadian Experience and Approaches.

Before the Newfoundland & Labrador Board of Commissioners of Public Utilities

John has provided expert assistance in a total of nine proceedings from 2005 to 2015. He has presented evidence in three cases. The most recent proceeding he participated in was the *Newfoundland Power, 2016 Deferred Cost Recovery Application* case.

Before the New Brunswick Energy and Utilities Board

John has provided expert assistance in a total of nine proceedings before the New Brunswick Energy and Utilities Board from 2007 to 2016. He has presented evidence in three cases. The most recent proceeding he participated in was the *2015 New Brunswick Power Customer Cost Allocation Student Review*. Evidence: Cost Allocation Study Review.

Before the Nova Scotia Utility and Review Board

John has provided expert assistance in a total of nine proceedings before the Nova Scotia Utility and Review Board from 2008 to 2016. He has presented evidence in four cases. The most recent proceeding he participated in was *Efficiency One, Updated Cost Allocation Methodology*.

Before the National Energy Board (NEB)

John has provided expert assistance in one proceeding before the NEB, during 1999. The proceeding was in regards to *BC Gas, Southern Crossing Project*.

Before the Canadian Radio-television and Telecommunications Commission (CRTC)

John has provided expert assistance in 47 proceedings before the Canadian Radio-television and Telecommunications Commission from 1990 to 2016. He has presented evidence in 13 of these cases. The most recent proceeding he participated in was a *Review of Basic Telecommunications Services, Consultation CRTC 2015-134*.

Before the Ontario Telephone Services Commission (OTSC)

John has provided expert assistance in one proceeding before the Ontario Telephone Services Commission in 1992. The case was in regards to a *Review of Rate-of-Return Regulation for Public Utility Telephone Companies*. Evidence used: The need for OTSC regulation of municipal utility telcos.

Before the Ontario Securities Commission

John has provided expert assistance in four proceedings before the Ontario Securities Commission from 1981 to 1985. He presented evidence in each case. The most recent proceeding he participated in was a *Securities Industry Review*. Evidence: Industry structure and the form of regulation.

Before the Ontario Municipal Board

John has provided expert evidence and assistance in two proceedings before the Ontario Municipal Board in 1992 and 1995. In 1995, he assisted in a case regarding an *Appeal of Boundary Expansion by Lincoln Hydro and Electric Commission*, with an affidavit prepared on the tests for boundary expansions.

Before the Supreme Court of Ontario

John has presented evidence in one proceeding before the Supreme Court of Ontario, in 1990. The case related to the *Challenge of the Residential Rent Regulation Act (1986) under the Canadian Charter of Rights and Freedoms*. Evidence: The impact of rent regulation on Ontario's rental housing market.

Before the Saskatchewan Court of Queen's Bench

John has presented evidence in one proceeding before the Saskatchewan Court of Queen's Bench, in 1993. The evidence was regarding market dynamics and competition policy.

Non-Hearing Processes

John has provided expert assistance in 17 non-hearing processes since 1997 to the following Ontario Energy Board, British Columbia Gas, the British Columbia Utilities Commission, the New Brunswick Department of Energy, SaskPower, the Government of Vietnam, and more.

Commercial Arbitrations and Lawsuits

John has provided expert assistance in 6 commercial arbitrations and lawsuits between 2004 and 2015.

Facilitation Activities

- 5 Strategic Planning sessions with Executive and/or Board of Directors of regulated companies between 2000 and 2015
- 6 stakeholder processes for regulators and utilities from 2000 through 2016

Other Regulatory Issues Researched

- Over 20 studies completed for regulators, utilities and others outside of hearing processes

SELECTED PRESENTATIONS

- Productivity Benchmarking Panel at Canadian Electrical Association RITG CAMPUT Workshop (May 2016)
- Utility Cost Recovery in an Era of Ageing Infrastructure, Technological Change and Increasing Customer Service Expectation, CEA Legal Committee and Regulatory Innovations Task Group (June 2016)
- MEARIE Training Program, Regulatory Essentials for LDC Executives (2016)
- Issue in Regulatory Framework for Tenaga Nasional Berhad, Indonesia (with Cynthia Chaplin & London Economics) (2015)
- Witness Training for electric utilities 2014 - 2016
- "Innovations in Rate Design", CAMPUT Training Session, Annually 2010-2013
- "Cost of Service Filing Requirements" (2010) 2nd Annual Applications Training for Electricity Distributors, Society of Ontario Adjudicators and Regulators in cooperation with the Ontario Energy Board
- "Green Energy Act" (2010) 2nd Annual Applications Training for Electricity Distributors, Society of Ontario Adjudicators and Regulators in cooperation with Ontario Energy Board
- "Rate Design", CAMPUT Training Session, Annually 2009- 2013
- "How to Build Transmission and Distribution to Enable FiT: The Role of Distributors", EUCI Conference on Feed in Tariffs, Toronto, Sept. 2009
- "Distributor Mergers and Acquisitions: Potential Savings", 2007 Electricity Distributors Assoc.
- "Beyond Borders" Regulating the Transition to Competition in Energy Markets (with Fred Hassan), EnerCom Conference March 2006.

SELECTED OTHER ACTIVITIES

- Organizing Committee for the Concert for Inclusion in support of ParaSport Ontario
- Chairman of the Board of Directors of the Ontario Energy Marketers Association (formerly the Direct Purchase Industry Committee) and Executive Director of the Association.
- Invited participant in the Ontario Energy Board's External Advisory Committee.
- Panelist for "Administrative Tribunals and ADR", Osgoode Hall Law School, Professional Development Program, Continuing Legal Education, April 1997.
- Former Member of the Board of Directors of East Toronto Community Legal Services.
- Numerous appearances on CBC radio and television commenting on energy industry issues, competition, regulation and mergers in the Canadian economy.

CLIENTS

Over 70 private sector companies, including utilities

15 industry and other associations

Over 30 consumers' associations and legal clinics

Government

- 5 Regulatory Tribunals
- 6 Federal departments
- 14 Provincial departments, commissions and agencies
- 13 municipal and other departments/entities

For John Todd's complete curriculum vitae, please visit: www.elenchus.ca

RATE RIDERS

1.0 REGULATORY ASSET RATE RIDERS

This Exhibit describes the methodology used to allocate the Regulatory Asset balances, as identified in Exhibit F1, Tab 1, Schedule 1, among customer classes.

The methodology proposed to allocate the Regulatory Asset balances to customer classes follows the approach approved in previous Hydro One applications for similar regulatory assets, or aligns with the cost allocators used in the Board's IRM model.

Hydro One proposes that Regulatory Assets associated with overall revenue requirement, such as pension and Smart Grid balances, be disposed of using riders with both a fixed and volumetric component. Regulatory Assets associated with customer-based charges, such as Smart Metering Entity charge balances, will be disposed of via a fixed rider. RSVA balances will be disposed of via a volumetric rider.

It is proposed that all Regulatory Assets be disposed of uniformly over the five-year Custom IR period to smooth customer impacts.

Table 1 shows the regulatory accounts and balances proposed for disposition. The table also lists the allocators used to distribute these costs among customer classes, whether the balance will be collected via fixed and/or variable charges, and the rationale for using these allocators.

Table 1: Regulatory Asset Account Balances and Allocators Proposed for Disposition

Variance Account	Account balance (\$)	Proposed Allocator	Charge Type	Rationale
RSVA-Wholesale Market Service Charge*	-57,762,253	Forecast kWh excluding wholesale market participants	Variable	Previously approved by the Board in EB-2013-0416 and per IRM methodology
RSVA-Wholesale Market Service Charge Class B**	6,100,000	Forecast kWh excluding wholesale market participants, and non-wholesale market participant Class A	Variable	per IRM methodology
RSVA-Retail Transmission Network Charge	16,165,239	Forecast kWh for all customers	Variable	Previously approved by the Board in EB-2013-0416 and per IRM methodology
RSVA-Retail Transmission Connection Charge	54,180,169	Forecast kWh for all customers	Variable	Previously approved by the Board in EB-2013-0416 and per IRM methodology
RSVA-Low Voltage Variance	4,632,820	Forecast kWh for all customers	Variable	Previously approved by the Board in EB-2013-0416 and per IRM methodology
RSVA-Global Adjustment***	59,709,075	Forecast kWh for non-WMS, non-RPP, non-LDC and class B customers	Variable	Previously approved by the Board in EB-2013-0416 and per IRM methodology
RSVA-Power	27,987,497	Forecast kWh excluding wholesale market participants	Variable	Previously approved by the Board in EB-2013-0416 and per IRM methodology
RCVA	39,859	Forecast number of customers	Fixed	Previously approved by the Board in EB-2013-0416 and per IRM methodology
Pension Cost Differential	7,992,068	Revenue Requirement share	Fixed & Variable	Previously approved by the Board in EB-2013-0416 Treated same as other contributors to Revenue Requirement
MicroFIT Connection Charge Variance	-808,408	OM&A from CAM	Fixed & Variable	Previously approved by the Board in EB-2013-0416 and same allocator used in the CAM for Miscellaneous Revenue
Tax Rate Changes	-4,402,764	Net Fixed Assets from CAM	Fixed & Variable	Previously approved by the Board in EB-2013-0416
Green Energy (DG)	630,696	Revenue Requirement share	Fixed & Variable	Previously approved by the Board in EB-2013-0416
Smart Grid	-12,120,206	Revenue Requirement share	Fixed & Variable	Previously approved by the Board in EB-2013-0416
OEB Cost Differential	-1,277,880	OM&A from CAM	Fixed & Variable	Previously approved by the Board in EB-2013-0416
DSC Exemption	9,718,062	Revenue Requirement share	Fixed & Variable	Previously approved by the Board in EB-2013-0416
Smart Meter Entity Charge	301,686	Number of residential and general service energy billed customers	Fixed	Previously approved by the Board in EB-2013-0416
Rate Mitigation	2,361,558	Revenue Requirement share	Fixed & Variable	Associated with over/under collection of Revenue Requirement
Revenue Offset Difference Account - Pole Attachment Charge	-2,277,689	Revenue Requirement share	Fixed & Variable	Revenue Difference associated with Specific Charge for Cable and Telecom Companies Access to the Power Poles

* Excludes amounts for Sub-account CBR Class A and Class B

** Class A balance of \$300,000 will be disposed of through billing adjustments

*** Excludes amount for customers who transitioned from Class B to Class A (see Section 1.2)

Witness: Henry Andre

The 2018 test year's forecast of the number of customers, annual energy and peak demand by rate class are used as charge determinants to derive the annual rate rider amounts. Table 2 provides a summary of the proposed Regulatory Asset Riders by rate class for all accounts excluding account 1589 RSVA – Global Adjustment. An additional Global Adjustment Rate Rider of 0.0019 \$/kWh will apply to all Class B non-RPP, non-WMP and non-LDC customers for the entire Custom IR period to dispose of amounts in account 1589. Details of the derivation of the rider amounts for all rate classes for each year of the Custom IR period are provided in Exhibit H1, Tab 3, Schedule 2.

Table 2 - 2018 to 2022 Regulatory Assets Rate Rider by Rate Class

Rate Class	2018-2022		
	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Variable (\$/kWh or \$/kW) Non WMP, Class B
UR	0.01	0.0001	0.0001
R1	0.00	0.0001	0.0001
R2	-0.02	0.0001	0.0001
Seasonal	0.00	0.0001	0.0001
GSe	0.00	0.0001	0.0001
GSd	-0.02	0.0297	0.0173
UGe	0.01	0.0001	0.0001
UGd	0.01	0.0425	0.0221
St Lgt	0.00	0.0001	0.0001
Sen Lgt	0.00	0.0000	0.0001
USL	-0.01	0.0001	0.0001
DGen	0.01	0.0113	0.0059
ST-General	3.83	0.2341	0.0158
ST-Excl WMP		0.0230	

Witness: Henry Andre

1.1 Disposal of RSVA-Wholesale Market Service Charge – Sub-Accounts CBR Class B and Class A

In accordance with Section 3 of the OEB's Accounting Guidance on Capacity Based Recovery (CBR), issued on July 25, 2016, Hydro One has identified the RSVA-WMSC CBR amounts associated with class B and class A customers.

As shown in Table 4 of Exhibit F1, Tab 1, Schedule 1, the forecast balance at December 31, 2017 of RSVA – Wholesale Market Service Charge Sub-Account CBR Class B and Class A are \$6.1 million and \$0.3 million, respectively. In accordance with the Board's Accounting Guidance on CBR, Hydro One proposes to dispose of \$6.1 million through a CBR Class B variable rider among all non-WMP class B customers for the entire Custom IR period, and to dispose of the CBR Class A amount of \$0.3 million through billing adjustments with each Class A customer individually.

1.2 Disposal of RSVA-Power – Sub-Account – Global Adjustment

In accordance with Chapter 2, Section 2.9.5.1 of the Board's Filing Requirements for Electricity Distribution Rate Applications, revised on July 14, 2016, distributors with former Class B customers who contributed to the GA variance balance but are now Class A customers are expected to settle the specific GA variance amounts for each customer who made the switch (from Class B to A) based on the consumption of each customer during the period they were Class B customers. Nineteen Hydro One customers switched from Class B to Class A in July 2015. Based on the kWh consumption of these customers during the period they were Class B customers and using a methodology consistent with the Board's IRM model, Hydro One determined that \$3.83 million from the GA variance balance should be allocated to this group of "former" Class B customers, to be settled with each customer individually. The remainder of the GA variance balance

Witness: Henry Andre

- 1 (i.e. $\$63.54\text{M} - \$3.83\text{M} = \$59.71\text{M}$) will be disposed of through GA riders to all Class B
- 2 non-RPP, non WMP, non LDC customers.

DETERMINATION OF RATE RIDERS

1

2

3 This exhibit has been filed separately in MS Excel.

BILL IMPACT AND MITIGATION

1. DISTRIBUTION AND TOTAL BILL IMPACTS

Hydro One is committed to aligning customer preferences, compliance and condition needs of the system, and rate impacts in this current rate Application. This Exhibit shows in detail the impact that Hydro One's plan will have on a customer's bill. Tables 1 and 2 provide a summary of the distribution and total bill impacts by rate class for a range of customer consumption levels.

A detailed calculation of the impacts by bill component for each rate class, as per the Board's Filing Requirements for Electricity Distribution Rate Applications (revised on July 14, 2016), Chapter 2, section 2.8.11, is provided in Attachments 1 to 5. As per the Board's Filing Requirements, the bill impacts include the impact of all changes to delivery related items (i.e. base fixed and volumetric distribution rates, riders, RTSR, losses) while holding constant the commodity, regulatory charges (i.e., wholesale market service rate, rural rate protection charge) and other government specified items on the bill (i.e., Debt Retirement Charge, and the Ontario Rebate for Electricity Consumers (OREC) program's 8% Provincial Rebate).

Table 1: Distribution and Total Bill Impacts by Rate Class for Hydro One Customers

Rate Class	Consumption Level	Monthly Consumption (kWh)	Monthly Peak (kW)	2018				2019				2020				2021				2022			
				Change in DX Bill (\$)	Change in Total Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in Total Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in Total Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in Total Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in Total Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)
UR	Low	350		\$ 1.92	6.7%	\$ 3.13	3.8%	\$ 2.42	7.9%	\$ 2.54	3.0%	\$ 2.94	8.9%	\$ 3.08	3.5%	\$ 0.84	2.3%	\$ 0.78	0.9%	\$ 0.75	2.0%	\$ 0.79	0.5%
	Typical	750		\$ 1.52	4.7%	\$ 3.98	2.8%	\$ 1.14	3.4%	\$ 1.20	0.8%	\$ 1.06	3.0%	\$ 1.11	0.7%	\$ 0.84	2.3%	\$ 0.66	0.4%	\$ 0.75	2.0%	\$ 0.79	0.5%
	Average	755		\$ 1.52	4.7%	\$ 3.99	2.8%	\$ 1.12	3.3%	\$ 1.18	0.8%	\$ 1.03	2.9%	\$ 1.08	0.7%	\$ 0.84	2.3%	\$ 0.66	0.4%	\$ 0.75	2.0%	\$ 0.79	0.5%
	High	1,400		\$ 0.87	2.3%	\$ 3.37	2.2%	\$ (0.94)	-2.4%	\$ (0.99)	-0.4%	\$ (2.00)	-5.2%	\$ (2.10)	-0.9%	\$ 0.84	2.3%	\$ 0.47	0.2%	\$ 0.75	2.0%	\$ 0.79	0.3%
R1	Low	400		\$ 3.00	6.9%	\$ 4.12	3.9%	\$ 3.38	7.2%	\$ 3.55	3.2%	\$ 3.50	7.0%	\$ 3.68	3.2%	\$ 3.49	6.5%	\$ 3.60	3.1%	\$ 3.98	7.0%	\$ 4.18	3.5%
	Typical	750		\$ 2.79	5.4%	\$ 4.74	2.9%	\$ 2.47	4.5%	\$ 2.59	1.5%	\$ 2.31	4.1%	\$ 2.43	1.4%	\$ 1.95	3.3%	\$ 1.93	1.1%	\$ 2.23	3.6%	\$ 2.34	1.3%
	Average	920		\$ 2.69	4.8%	\$ 5.05	2.6%	\$ 2.03	3.5%	\$ 2.13	1.1%	\$ 1.73	2.9%	\$ 1.82	0.9%	\$ 1.20	1.9%	\$ 1.12	0.6%	\$ 1.38	2.2%	\$ 1.45	0.7%
	High	1,800		\$ 2.16	2.9%	\$ 6.62	1.9%	\$ (0.26)	-0.3%	\$ (0.27)	-0.1%	\$ (1.26)	-1.6%	\$ (1.32)	-0.4%	\$ (2.67)	-3.5%	\$ (3.09)	-0.9%	\$ (3.02)	-4.1%	\$ (3.17)	-0.9%
R2	Low	450		\$ 3.49	9.2%	\$ 4.59	4.2%	\$ 7.27	17.5%	\$ 7.63	6.8%	\$ 7.59	15.6%	\$ 7.97	6.6%	\$ 8.02	14.2%	\$ 8.38	6.5%	\$ 9.14	14.2%	\$ 9.59	7.0%
	Typical	750		\$ 3.22	6.5%	\$ 4.93	3.0%	\$ 6.04	11.5%	\$ 6.34	3.7%	\$ 5.97	10.2%	\$ 6.27	3.6%	\$ 5.98	9.3%	\$ 6.22	3.4%	\$ 6.65	9.4%	\$ 6.98	3.7%
	Average	1,152		\$ 2.86	4.5%	\$ 5.37	2.2%	\$ 4.39	6.5%	\$ 4.61	1.9%	\$ 3.80	5.3%	\$ 3.99	1.6%	\$ 3.25	4.3%	\$ 3.31	4.2%	\$ 3.47	4.3%	\$ 3.72	4.4%
	High	2,300		\$ 1.83	1.7%	\$ 6.64	1.4%	\$ (0.32)	-0.3%	\$ (0.34)	-0.1%	\$ (2.40)	-2.2%	\$ (2.52)	-0.5%	\$ (4.56)	-4.3%	\$ (4.97)	-1.1%	\$ (6.22)	-6.1%	\$ (6.53)	-1.4%
Seasonal	Low	50		\$ 3.31	8.2%	\$ 3.54	7.0%	\$ 4.18	9.6%	\$ 4.39	8.1%	\$ 4.53	9.5%	\$ 4.75	8.1%	\$ 4.66	8.9%	\$ 4.89	7.7%	\$ 5.45	9.6%	\$ 5.72	8.4%
	Typical	350		\$ 2.47	4.2%	\$ 3.07	2.7%	\$ 1.84	3.0%	\$ 1.93	1.6%	\$ 1.79	2.8%	\$ 1.88	1.6%	\$ 0.94	1.4%	\$ 1.00	0.8%	\$ 1.52	2.3%	\$ 1.59	1.3%
	Average	352		\$ 2.46	4.1%	\$ 3.07	2.7%	\$ 1.82	2.9%	\$ 1.92	1.6%	\$ 1.78	2.8%	\$ 1.87	1.5%	\$ 0.92	1.4%	\$ 0.97	0.8%	\$ 1.49	2.2%	\$ 1.56	1.3%
	High	1,000		\$ 0.65	0.6%	\$ 2.05	0.8%	\$ (3.23)	-3.2%	\$ (3.39)	-1.3%	\$ (4.12)	-4.2%	\$ (4.33)	-1.7%	\$ (7.12)	-7.6%	\$ (7.45)	-3.0%	\$ (7.00)	-8.0%	\$ (7.35)	-3.0%
GSe	Low	1,000		\$ 4.18	4.9%	\$ 4.93	2.0%	\$ 2.88	3.2%	\$ 3.02	1.2%	\$ 2.65	2.9%	\$ 2.78	1.1%	\$ 2.30	2.4%	\$ 2.22	0.9%	\$ 2.49	2.6%	\$ 2.61	1.0%
	Typical	2,000		\$ 7.28	5.2%	\$ 8.72	1.9%	\$ 5.18	3.5%	\$ 5.44	1.2%	\$ 4.65	3.0%	\$ 4.88	1.0%	\$ 4.10	2.6%	\$ 3.92	0.8%	\$ 4.39	2.7%	\$ 4.61	1.0%
	Average	1,982		\$ 7.22	5.2%	\$ 8.65	1.9%	\$ 5.14	3.5%	\$ 5.40	1.2%	\$ 4.61	3.0%	\$ 4.84	1.0%	\$ 4.07	2.6%	\$ 3.89	0.8%	\$ 4.36	2.7%	\$ 4.57	1.0%
	High	15,000		\$ 47.58	5.5%	\$ 58.02	1.8%	\$ 35.08	3.8%	\$ 36.83	1.1%	\$ 30.65	3.2%	\$ 32.18	1.0%	\$ 27.50	2.8%	\$ 25.99	0.8%	\$ 29.09	2.9%	\$ 30.54	0.9%
UGe	Low	1,000		\$ 2.11	4.2%	\$ 2.62	1.3%	\$ 1.55	3.0%	\$ 1.63	0.8%	\$ 1.59	3.0%	\$ 1.67	0.8%	\$ 1.29	2.3%	\$ 1.27	0.5%	\$ 1.45	2.6%	\$ 1.52	0.7%
	Typical	2,000		\$ 4.21	5.5%	\$ 5.22	1.4%	\$ 2.55	3.2%	\$ 2.68	0.7%	\$ 2.59	3.1%	\$ 2.72	0.7%	\$ 2.09	2.4%	\$ 1.62	0.4%	\$ 2.35	2.7%	\$ 2.47	0.6%
	Average	2,759		\$ 5.80	6.0%	\$ 7.20	1.4%	\$ 3.31	3.3%	\$ 3.47	0.7%	\$ 3.35	3.2%	\$ 3.52	0.7%	\$ 2.70	2.5%	\$ 2.03	0.4%	\$ 3.03	2.7%	\$ 3.18	0.6%
	High	15,000		\$ 31.51	7.6%	\$ 39.10	1.4%	\$ 15.55	3.5%	\$ 16.33	0.6%	\$ 15.59	3.4%	\$ 16.37	0.6%	\$ 12.49	2.6%	\$ 8.78	0.3%	\$ 14.05	2.9%	\$ 14.75	0.5%
GSd	Low	15,000	60	\$ 109.66	10.6%	\$ 131.12	3.8%	\$ 36.76	3.2%	\$ 41.54	1.2%	\$ 33.07	2.8%	\$ 37.37	1.0%	\$ 30.11	2.5%	\$ 29.54	0.8%	\$ 31.56	2.5%	\$ 33.66	1.0%
	Average	36,104	124	\$ 229.47	11.3%	\$ 274.18	3.5%	\$ 74.39	3.3%	\$ 84.06	1.0%	\$ 66.36	2.8%	\$ 74.99	0.9%	\$ 62.72	2.5%	\$ 61.30	0.7%	\$ 65.37	2.6%	\$ 73.87	0.9%
	Typical	175,000	300	\$ 979.22	12.4%	\$ 1,166.54	3.3%	\$ 295.44	3.3%	\$ 333.85	0.9%	\$ 261.96	2.9%	\$ 296.01	0.8%	\$ 241.09	2.6%	\$ 235.07	0.6%	\$ 1.72	0.4%	\$ 1.95	0.0%
	High	15,000	60	\$ 89.80	14.5%	\$ 130.81	4.3%	\$ 22.20	3.1%	\$ 25.08	0.8%	\$ 20.12	2.7%	\$ 22.73	0.7%	\$ 18.19	2.4%	\$ 15.65	0.5%	\$ 19.13	2.5%	\$ 21.62	0.7%
UGd	Average	50,525	135	\$ 245.93	19.5%	\$ 343.91	3.8%	\$ 47.68	3.2%	\$ 53.88	0.6%	\$ 42.57	2.7%	\$ 48.10	0.5%	\$ 39.76	2.4%	\$ 33.65	0.4%	\$ 41.49	2.5%	\$ 46.89	0.5%
	Typical	175,000	500	\$ 858.37	19.4%	\$ 1,214.45	3.9%	\$ 171.71	3.3%	\$ 194.03	0.6%	\$ 151.81	2.8%	\$ 171.55	0.5%	\$ 139.85	2.5%	\$ 117.17	0.4%	\$ 1.88	0.6%	\$ 3.26	0.0%
	Low	100		\$ 0.26	1.9%	\$ 0.48	1.7%	\$ 0.46	3.3%	\$ 0.48	1.7%	\$ 0.43	3.0%	\$ 0.45	1.5%	\$ 0.70	4.7%	\$ 0.56	1.9%	\$ 0.40	2.6%	\$ 0.42	1.4%
	Average	517		\$ 2.47	4.7%	\$ 3.65	2.9%	\$ 1.84	3.3%	\$ 1.93	1.5%	\$ 1.72	3.0%	\$ 1.81	1.4%	\$ 1.78	2.8%	\$ 0.97	0.7%	\$ 1.57	2.4%	\$ 1.65	1.2%
St Lgt	High	2,000		\$ 10.03	5.3%	\$ 14.63	2.9%	\$ 6.73	3.4%	\$ 7.07	1.3%	\$ 6.32	3.1%	\$ 6.64	1.2%	\$ 5.64	2.6%	\$ 2.42	0.4%	\$ 5.72	2.6%	\$ 6.01	1.1%
	Low	20		\$ 0.33	6.4%	\$ 0.39	4.5%	\$ 0.28	5.1%	\$ 0.29	3.3%	\$ 0.34	5.9%	\$ 0.35	3.9%	\$ 0.20	3.3%	\$ 0.18	1.9%	\$ 0.29	4.6%	\$ 0.30	3.1%
	Average	71		\$ 0.30	2.7%	\$ 0.46	2.1%	\$ 0.58	5.0%	\$ 0.61	2.7%	\$ 0.71	5.9%	\$ 0.74	3.2%	\$ 0.33	2.6%	\$ 0.23	1.0%	\$ 0.61	4.6%	\$ 0.64	2.6%
	High	200		\$ 0.22	0.8%	\$ 0.64	1.1%	\$ 1.34	5.0%	\$ 1.41	2.5%	\$ 1.65	5.9%	\$ 1.73	3.0%	\$ 0.67	2.3%	\$ 0.35	0.6%	\$ 1.42	4.7%	\$ 1.49	2.5%
USL	Low	100		\$ (0.55)	-1.4%	\$ (0.49)	-0.9%	\$ 0.72	1.9%	\$ 0.76	1.4%	\$ 1.19	3.1%	\$ 1.25	2.3%	\$ 0.66	1.7%	\$ 0.69	1.2%	\$ 1.06	2.6%	\$ 1.11	1.9%
	Average	364		\$ (0.42)	-0.9%	\$ (0.12)	-0.1%	\$ 0.88	1.9%	\$ 0.92	0.9%	\$ 1.37	3.0%	\$ 1.44	1.4%	\$ 0.77	1.6%	\$ 0.78	0.8%	\$ 1.24	2.6%	\$ 1.31	1.3%
	Typical	1,000		\$ (0.10)	-0.2%	\$ 0.77	0.4%	\$ 1.26	2.0%	\$ 1.32	0.6%	\$ 1.82	2.8%	\$ 1.91	0.9%	\$ 1.02	1.5%	\$ 1.00	0.5%	\$ 1.69	2.5%	\$ 1.77	0.8%
	High	300	10	\$ 37.52	16.9%	\$ 45.43	15.0%	\$ 35.36	13.6%	\$ 39.96	11.5%	\$ 7.83	2.7%	\$ 8.85	2.3%	\$ 7.29	2.4%	\$ 8.41	2.1%	\$ 7.87	2.5%	\$ 8.89	2.2%
DGen	Average	1,328	13	\$ 37.86	15.7%	\$ 46.73	9.9%	\$ 45.97	16.4%	\$ 51.95	10.0%	\$ 10.18	3.1%	\$ 11.51	2.0%	\$ 8.75	2.7%	\$ 10.10	1.8%	\$ 9.44	2.8%	\$ 10.67	1.8%
	Typical	5,000	100	\$ (32.51)	-3.8%	\$ (6.41)	-0.4%	\$ 353.64	43.4%	\$ 399.61	22.8%	\$ 78.34	6.7%	\$ 88.52	4.1%	\$ 72.94	5.8%	\$ 84.14	3.8%	\$ 78.69	6.0%	\$ 88.92	3.8%
	Low	200,000	500	\$ 874.41	31.6%	\$ 750.79	2.3%	\$ 49.05	2.0%	\$ 55.42	0.2%	\$ 53.12	2.2%	\$ 60.02	0.2%	\$ 29.07	1.2%	\$ 88.95	0.3%	\$ 52.61	2.1%	\$ 59.45	0.2%
	Average	1,601,036	3,091	\$ 4,957.98	115.2%	\$ 6,231.28	2.6%	\$ 186.36	2.0%	\$ 210.58	0.1%	\$ 171.61	1.8%	\$ 193.92	0.1%	\$ 111.50	1.2%	\$ 458.09	0.2%	\$ 58.52	2.7%	\$ 179.13	0.1%
ST	High	4,000,000	10,000	\$ 12,637.96	102.7%	\$ 16,315.04	2.6%	\$ 552.50	2.2%	\$ 624.33	0.1%	\$ 487.99	1.9%	\$ 550.97	0.1%	\$ 347.39	1.3%	\$ 1,514.50	0.2%	\$ 461.63	1.8%	\$ 521.64	0.1%
	Low	350		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 0.84	2.7%	\$ 0.88	1.0%
	Typical	750		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 0.84	2.7%	\$ 0.88	0.6%
	Average	505		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 0.84	2.7%	\$ 0.88	0.8%
AUGe	High	1,400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 0.84	2.7%	\$ 0.88	0.4%
	Low	1,000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 8.64	18.1%	\$ 9.07	4.5%
	Typical	2,000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 11.84	18.2%	\$ 12.43	3.4%
	Average	2,695		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 14.06	18.2%	\$ 14.77	3.0%
AUGd	High	15,000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 53.44	18.3%	\$ 56.11	2.2%
	Low	15,000	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	\$ 153.24	34.7%	\$ 173.17	6.2%
	Average	61,259	177	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*						

- 1 The 2021 distribution and total bill impacts for customers of the Acquired Utilities that
- 2 will be moving to the new acquired rate classes and the Hydro One existing rate classes
- 3 are provided in Table 2.

**Table 2: 2021 Distribution and Total Bill Impacts
by Rate Class for Acquired Customers**

Rate Class	Consumption Level	Monthly Consumption (kWh)	Monthly Peak (kW)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)
Former Woodstock Hydro Customers to Hydro One Rate Classes							
AUR	Low	350		\$ 1.08	3.6%	\$ 2.09	2.5%
	Typical	750		\$ 1.08	3.6%	\$ 3.18	2.3%
	Average	600		\$ 1.08	3.6%	\$ 2.77	2.3%
	High	1,400		\$ 1.08	3.6%	\$ 4.95	2.1%
AUGe	Low	1,000		\$ 8.40	21.4%	\$ 8.99	4.7%
	Typical	2,000		\$ 11.50	21.5%	\$ 12.41	3.5%
	Average	2,695		\$ 13.65	21.5%	\$ 14.78	3.1%
	High	15,000		\$ 51.80	21.6%	\$ 56.88	2.3%
AUGd	Low	15,000	60	\$ 149.76	51.3%	\$ 62.17	2.3%
	Average	61,239	177	\$ 302.80	51.3%	\$ 33.54	0.3%
	High	175,000	500	\$ 725.32	51.3%	\$ (51.38)	-0.2%
St Lgt	Average	76,826	211	\$ 3,163.03	62.3%	\$ 3,659.30	21.0%
USL	Average	1,545		\$ 55.34	190.1%	\$ 63.41	24.0%
ST	Low	200,000	500	\$ 656.31	35.1%	\$ 1,425.26	4.4%
	Average	1,037,334	50,794	\$ (47,588.47)	-34.4%	\$ 15,953.99	2.7%
	High	4,000,000	10,000	\$ (1,301.81)	-4.7%	\$ 26,197.01	4.2%
Former Norfolk Power Customers to Hydro One Rate Classes							
AR	Low	400		\$ 3.49	9.5%	\$ 5.43	5.6%
	Typical	750		\$ 3.18	8.6%	\$ 6.64	4.5%
	Average	570		\$ 3.34	9.1%	\$ 6.02	5.0%
	High	1,800		\$ 2.23	5.9%	\$ 10.29	3.5%
AGSe	Low	1,000		\$ (5.82)	-8.9%	\$ (5.60)	-2.5%
	Typical	2,000		\$ (3.22)	-4.0%	\$ 0.05	0.0%
	Average	2,182		\$ (2.75)	-3.3%	\$ 0.86	0.2%
	High	15,000		\$ 30.58	10.5%	\$ 57.85	2.3%
AGSd	Low	15,000	60	\$ 22.56	4.6%	\$ (3.55)	-0.1%
	Average	57,223	161	\$ 116.76	12.7%	\$ 53.84	0.6%
	High	175,000	500	\$ 433.12	18.5%	\$ 246.85	0.8%
St Lgt	Average	1,368	4	\$ 79.47	110.5%	\$ 89.21	32.1%
Sen Lgt	Average	126		\$ 5.23	34.3%	\$ 5.70	16.8%
USL	Average	945		\$ 42.26	175.0%	\$ 48.25	29.7%
Former Haldimand County Hydro Customers to Hydro One Rate Classes							
AR	Low	400		\$ 4.66	13.2%	\$ 5.47	5.7%
	Typical	750		\$ 4.52	12.7%	\$ 5.83	3.9%
	Average	694		\$ 4.54	12.8%	\$ 5.77	4.1%
	High	1,800		\$ 4.10	11.4%	\$ 6.90	2.3%
AGSe	Low	1,000		\$ 13.65	29.8%	\$ 13.18	6.6%
	Typical	2,000		\$ 13.15	20.2%	\$ 11.51	3.1%
	Average	1,819		\$ 13.24	21.5%	\$ 11.81	3.5%
	High	15,000		\$ 6.65	2.1%	\$ (10.23)	-0.4%
AGSd	Low	15,000	60	\$ 191.16	58.7%	\$ 113.28	4.1%
	Average	50,917	143	\$ 281.90	42.5%	\$ 56.09	0.6%
	High	175,000	500	\$ 670.94	31.8%	\$ (155.01)	-0.5%
St Lgt	Average	105,612	274	\$ (3,080.27)	-21.4%	\$ (2,913.58)	-9.1%
Sen Lgt	Average	131		\$ (5.34)	-20.2%	\$ (5.29)	-11.4%
USL	Average	551		\$ 33.45	160.1%	\$ 35.48	35.3%

Average consumption level = Total Rate Class Consumption / Total Number of customers in Rate Class/12

Witness: Henry Andre

1 **2. RURAL OR REMOTE RATE PROTECTION (“RRRP”)**

2
3 In November 2016, the Ontario Government amended O. Reg. 442/01 to increase the amount
4 of RRRP rate protection for eligible rural Hydro One customers from \$127 million to \$243.4
5 million. This increase became effective January 1, 2017. This additional funding increased
6 the monthly RRRP fixed charge credit for R2 customers from \$31.50 to \$60.50. As
7 required by the amendment to O.Reg. 442/01, the level of RRRP funding is to be adjusted
8 each year. In this Application, Hydro One has estimated a 2018 RRRP funding amount
9 of \$250.6 million by applying an annual RRRP adjustment factor of 2.96%¹ to the 2017
10 RRRP amount of \$243.4 million. The resulting estimated monthly RRRP credit for R2
11 customers is \$63.59².

12
13 The 2018 RRRP rate protection amount will be updated when Hydro One prepares the
14 2018 Draft Rate Order and after the Board issues the final 2018 adjustment factor. A
15 similar process will take place in subsequent years over the Custom IR period as part of
16 the annual process for approving future rates. The estimated RRRP credit is used for
17 illustrative purposes when calculating the bill impacts presented in the Application
18 throughout the Custom IR period.

19
20 **3. RATE IMPACT MITIGATION**

21
22 The total bill impacts across most rate classes resulting from the revenue requirement,
23 regulatory asset disposition and rate harmonization requested in this Application are

¹ The annual RRRP adjustment factor of 2.96% is based on the Board’s Decision on Algoma Power Inc.’s 2017 distribution rate application (EB-2016-0055), which used the same approach for determining the adjustment factor as is proposed in O.Reg 442/01 for calculating the adjustment to the RRRP subsidy amount.

² Estimated 2018 RRRP amount = \$250.6 million, Forecast number of R2 customers in 2018 = 328,410, Estimated monthly credit = \$250.6M/328,410/12 = \$63.59

Witness: Henry Andre

1 below the 10% value established by the Board in the *2006 Electricity Distribution Rate*
2 *Handbook* for customers with typical consumption. As a result, no bill impact mitigation
3 is required.

4
5 As discussed below, the classes for which some form of mitigation is required are: i)
6 DGen customers in 2018-2019; ii) AR customers in 2021; iii) AUGe, AUGd, AGSe and
7 AGSd customers in 2021-2022; and iii) Street Light, Sentinel Light and USL customers
8 from the Acquired Utilities.

9
10 **DGen Customers:**

11 As discussed in Exhibit H1, Tab 1, Schedule 1, Section 2.2, Hydro One proposes to phase
12 in the R/C ratio of the DGen class from 0.61 in 2017 to within the Board approved range
13 in 2020 while limiting the total bill impact for a typical DGen customer to no more than
14 10% per year. No further mitigation beyond phasing-in of the Revenue to Cost ratios
15 (“R/C ratios”) is required for the DGen rate class.

16
17 **AUGe, AUGd, AR, AGSe and AGSd Customers:**

18 As discussed in Exhibit H1, Tab 1, Schedule 1, Section 2.2, Hydro One proposes to move
19 the R/C ratios for the new acquired AUGe, AUGd, AR, AGSe and AGSd classes to
20 within the Board’s approved range in a manner that limits either the total distribution
21 impacts or total bill impacts to a level that is consistent with Hydro One customers in
22 similar rate classes. This approach will result in total bill impacts well below the 10%
23 total bill impact threshold specified in the Board’s Filing Requirements, and as such, no
24 further rate mitigation is required for these classes.

1 **Street lights, Sentinel lights and USL Customers from acquired utilities**

2 As discussed in Exhibit G1, Tab 2, Schedule 1, Street light, Sentinel light and USL
3 customers from the Acquired Utilities will be integrated into the corresponding existing
4 Hydro One rate classes in 2021.

5
6 Some of Woodstock Hydro's Street Light and USL customers, Norfolk Power's Street
7 Light, Sentinel Light and USL customers, and Haldimand County Hydro's Street Light
8 and USL customers would experience total bill impacts in excess of 10% in 2021 due to
9 being integrated into the Hydro One rate classes. Hydro One proposes a rate mitigation
10 plan to limit total bill impacts to 10%, as follows:

- 11
- 12 • The bills will be calculated normally but a bill credit will be applied to each affected
13 customer to limit the total bill impact to 10%.
 - 14 • For each affected customer, the bill credit will be calculated before January 1, 2021,
15 based on the average monthly consumption level during the previous twelve months.
16 The same monthly credit will be applied to all bills for the year.
 - 17 • The bill credit calculation will be an annual exercise (before January 1 of each year,
18 commencing in 2021), until the total bill impact is less than 10% per year.
- 19

20 An illustrative calculation of the monthly mitigation credit for an average customer in
21 each of the affected classes is provided in Table 3 below.

Table 3: Illustrative Monthly Mitigation Credit for Acquired Street Light, Sentinel Light and Unmetered customers in 2021 and 2022

Rate Class	Monthly Consumption (kWh)	2020 Total Bill	2021					2022				
			2021 Total Bill (\$)	Change in Total Bill (\$)	Change in Total Bill (%)	Mitigation Credit (Total Bill Impact 10%)	2021 Total Bill including Mitigation Credit (\$)	2022 Total Bill (\$)	Change in Total Bill (\$)	Change in Total Bill (%)	Mitigation Credit (Total Bill Impact 10%)	2022 Total Bill Including Mitigation Credit (\$)
		a	b			c = b - (a * 1.1)	d = b - c	e			f = e - (d * 1.1)	g = f - e
Former Woodstock Hydro Customers to Hydro One Rate Classes												
St Lgt	76,826	\$ 17,459	\$ 21,118	\$ 3,659	21.0%	\$ 1,913	\$ 19,205	\$ 21,048	\$ 226	1.1%	\$ -	\$ 21,048
USL	1,545	\$ 264	\$ 328	\$ 63	24.0%	\$ 37	\$ 291	\$ 330	\$ 2	0.7%	\$ 10	\$ 320
Former Norfolk Power Customers to Hydro One Rate Classes												
St Lgt	1,368	\$ 278	\$ 367	\$ 89	32.1%	\$ 61	\$ 306	\$ 366	\$ 4	1.1%	\$ 30	\$ 336
USL	945	\$ 162	\$ 211	\$ 48	29.7%	\$ 32	\$ 178	\$ 212	\$ 2	0.8%	\$ 16	\$ 196
Sen Lgt	126	\$ 34	\$ 40	\$ 6	16.8%	\$ 2	\$ 37	\$ 41	\$ 1	2.5%	\$ -	\$ 41
Former Haldimand County Hydro Customers to Hydro One Rate Classes												
St Lgt	105,612	\$ 31,948	\$ 29,034	\$ (2,914)	-9.1%	\$ -	\$ 29,034	\$ 28,937	\$ 311	1.1%	\$ -	\$ 28,937
USL	551	\$ 101	\$ 136	\$ 35	35.3%	\$ 25	\$ 111	\$ 138	\$ 1	1.1%	\$ 16	\$ 122
Sen Lgt	131	\$ 46	\$ 41	\$ (5)	-11.4%	\$ -	\$ 41	\$ 42	\$ 1	2.5%	\$ -	\$ 42

The costs of this mitigation and related implementation will be tracked in a Bill Impact Mitigation variance account, as described in Exhibit F1, Tab 3, Schedule 1. The required mitigation will apply in 2021 and 2022 and will likely extend beyond the custom IR period in 2023 and 2024 for some customers. The total mitigation credit for these acquired customers is estimated at approximately \$3 million for the period 2021 to 2022, and \$0.5 million for the period 2023 to 2024.

Witness: Henry Andre

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 1 of 45

Rate Class	UR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	369.95
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	44.28%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	44.28%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		23.37%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		9.27%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		13.39%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	47.88%	46.04%
Service Charge	1	24.78	24.78	1	27.76	27.76	2.98	12.03%	34.09%	32.78%
Fixed Deferral/Variance Account Rider	1	0.72	0.72	1	0.01	0.01	-0.71	-98.61%	0.01%	0.01%
Distribution Volumetric Rate	350	0.0094	3.29	350	0.0079	2.77	-0.53	-15.96%	3.40%	3.27%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	-0.0003	-0.11	350	0.0002	0.07	0.18	-166.67%	0.09%	0.08%
Sub-Total: Distribution (excluding pass through)			28.69			30.61	1.92	6.69%	37.59%	36.14%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.97%	0.93%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.10	2.05	20	0.10	2.05	0.00	0.00%	2.52%	2.43%
Line Losses on Cost of Power (based on TOU prices)	20	0.11	2.22	20	0.11	2.22	0.00	0.00%	2.73%	2.62%
Sub-Total: Distribution (based on two-tier RPP prices)			31.53			33.45	1.92	6.09%	41.08%	39.50%
Sub-Total: Distribution (based on TOU prices)			31.70			33.62	1.92	6.06%	41.29%	39.70%
Retail Transmission Rate – Network Service Rate	370	0.0067	2.48	370	0.0078	2.90	0.42	16.84%	3.56%	3.42%
Retail Transmission Rate – Line and Transformation Connection Service Rate	370	0.0047	1.74	370	0.0064	2.38	0.64	36.98%	2.93%	2.81%
Sub-Total: Retail Transmission			4.22			5.28	1.06	25.14%	6.48%	6.23%
Sub-Total: Delivery (based on two-tier RPP prices)			35.75			38.73	2.98	8.34%	47.56%	45.73%
Sub-Total: Delivery (based on TOU prices)			35.91			38.89	2.98	8.30%	47.77%	45.93%
Wholesale Market Service Rate	370	0.0036	1.33	370	0.0036	1.33	0.00	0.00%	1.64%	1.57%
Rural Rate Protection Charge	370	0.0021	0.78	370	0.0021	0.78	0.00	0.00%	0.95%	0.92%
Ontario Electricity Support Program Charge	370	0.0011	0.41	370	0.0011	0.41	0.00	0.00%	0.50%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.31%	0.30%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	3.40%	3.27%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			74.56			77.54	2.98	4.00%	95.24%	
HST		0.13	9.69		0.13	10.08	0.39	4.00%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			84.26			87.62	3.37	4.00%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-5.97		-0.08	-6.20	-0.24	4.00%	-7.62%	
Total Amount on Two-Tier RPP			78.29			81.42	3.13	4.00%	100.00%	
Total Electricity Charge on TOU (before HST)			77.67			80.65	2.98	3.84%		95.24%
HST		0.13	10.10		0.13	10.48	0.39	3.84%		12.38%
Total Electricity Charge on TOU (including HST)			87.76			91.13	3.37	3.84%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.21		-0.08	-6.45	-0.24	3.84%		-7.62%
Total Amount on TOU			81.55			84.68	3.13	3.84%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 2 of 45

Rate Class	UR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	792.75
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	43.05%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.64%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	55.70%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		28.87%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.46%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.54%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	58.20%	56.88%
Service Charge	1	24.78	24.78	1	27.76	27.76	2.98	12.03%	19.34%	18.90%
Fixed Foregone Revenue Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.72	0.72	1	0.01	0.01	-0.71	-98.61%	0.01%	0.01%
Distribution Volumetric Rate	750	0.0094	7.05	750	0.0079	5.93	-1.13	-15.96%	4.13%	4.03%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	-0.0003	-0.23	750	0.0002	0.15	0.38	-166.67%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			32.33			33.85	1.52	4.70%	23.58%	23.04%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.55%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.17	43	0.12	5.17	0.00	0.00%	3.60%	3.52%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.76	43	0.11	4.76	0.00	0.00%	3.32%	3.24%
Sub-Total: Distribution (based on two-tier RPP prices)			38.29			39.81	1.52	3.97%	27.73%	27.10%
Sub-Total: Distribution (based on TOU prices)			37.88			39.40	1.52	4.01%	27.45%	26.82%
Retail Transmission Rate – Network Service Rate	793	0.0067	5.31	793	0.0078	6.21	0.89	16.84%	4.32%	4.22%
Retail Transmission Rate – Line and Transformation Connection Service Rate	793	0.0047	3.73	793	0.0064	5.10	1.38	36.98%	3.56%	3.47%
Sub-Total: Retail Transmission			9.04			11.31	2.27	25.14%	7.88%	7.70%
Sub-Total: Delivery (based on two-tier RPP prices)			47.33			51.12	3.79	8.01%	35.61%	34.80%
Sub-Total: Delivery (based on TOU prices)			46.91			50.71	3.79	8.08%	35.32%	34.52%
Wholesale Market Service Rate	793	0.0036	2.85	793	0.0036	2.85	0.00	0.00%	1.99%	1.94%
Rural Rate Protection Charge	793	0.0021	1.66	793	0.0021	1.66	0.00	0.00%	1.16%	1.13%
Ontario Electricity Support Program Charge	793	0.0011	0.87	793	0.0011	0.87	0.00	0.00%	0.61%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.64			5.64	0.00	0.00%	3.93%	3.84%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			132.92			136.71	3.79	2.85%	95.24%	
HST		0.13	17.28		0.13	17.77	0.49	2.85%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			150.19			154.48	4.28	2.85%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.63		-0.08	-10.94	-0.30	2.85%	-7.62%	
Total Amount on Two-Tier RPP			139.56			143.54	3.98	2.85%	100.00%	
Total Electricity Charge on TOU (before HST)			136.10			139.89	3.79	2.79%		95.24%
HST		0.13	17.69		0.13	18.19	0.49	2.79%		12.38%
Total Electricity Charge on TOU (including HST)			153.79			158.08	4.28	2.79%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.89		-0.08	-11.19	-0.30	2.79%		-7.62%
Total Amount on TOU			142.90			146.88	3.98	2.79%		100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 3 of 45

Rate Class	UR
Monthly Consumption (kWh)	755
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	798
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	42.81%	
Energy Second Tier (kWh)	155	0.121	18.76	155	0.121	18.76	0.00	0.00%	12.99%	
Sub-Total: Energy (RPP)			80.56			80.56	0.00	0.00%	55.80%	
TOU-Off Peak	491	0.087	42.70	491	0.087	42.70	0.00	0.00%		28.91%
TOU-Mid Peak	128	0.132	16.94	128	0.132	16.94	0.00	0.00%		11.47%
TOU-On Peak	136	0.180	24.46	136	0.180	24.46	0.00	0.00%		16.57%
Sub-Total: Energy (TOU)			84.10			84.10	0.00	0.00%	58.25%	56.95%
Service Charge	1	24.78	24.78	1	27.76	27.76	2.98	12.03%	19.23%	18.80%
Fixed Deferral/Variance Account Rider	1	0.72	0.72	1	0.01	0.01	-0.71	-98.61%	0.01%	0.01%
Distribution Volumetric Rate	755	0.0094	7.10	755	0.0079	5.96	-1.13	-15.96%	4.13%	4.04%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	755	-0.0003	-0.23	755	0.0002	0.15	0.38	-166.67%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			32.37			33.89	1.52	4.68%	23.47%	22.95%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.55%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.21	43	0.12	5.21	0.00	0.00%	3.61%	3.53%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.79	43	0.11	4.79	0.00	0.00%	3.32%	3.25%
Sub-Total: Distribution (based on two-tier RPP prices)			38.37			39.88	1.52	3.95%	27.62%	27.01%
Sub-Total: Distribution (based on TOU prices)			37.95			39.47	1.52	3.99%	27.34%	26.73%
Retail Transmission Rate – Network Service Rate	798	0.0067	5.35	798	0.0078	6.25	0.90	16.84%	4.33%	4.23%
Retail Transmission Rate – Line and Transformation Connection Service Rate	798	0.0047	3.75	798	0.0064	5.14	1.39	36.98%	3.56%	3.48%
Sub-Total: Retail Transmission			9.10			11.38	2.29	25.14%	7.89%	7.71%
Sub-Total: Delivery (based on two-tier RPP prices)			47.47			51.27	3.80	8.01%	35.51%	34.72%
Sub-Total: Delivery (based on TOU prices)			47.05			50.85	3.80	8.08%	35.22%	34.44%
Wholesale Market Service Rate	798	0.0036	2.87	798	0.0036	2.87	0.00	0.00%	1.99%	1.95%
Rural Rate Protection Charge	798	0.0021	1.68	798	0.0021	1.68	0.00	0.00%	1.16%	1.13%
Ontario Electricity Support Program Charge	798	0.0011	0.88	798	0.0011	0.88	0.00	0.00%	0.61%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.68			5.68	0.00	0.00%	3.93%	3.84%
Debt Retirement Charge (DRC)	755	0.000	0.00	755	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			133.70			137.50	3.80	2.84%	95.24%	
HST		0.13	17.38		0.13	17.87	0.49	2.84%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			151.08			155.37	4.30	2.84%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.70		-0.08	-11.00	-0.30	2.84%	-7.62%	
Total Amount on Two-Tier RPP			140.38			144.37	3.99	2.84%	100.00%	
Total Electricity Charge on TOU (before HST)			136.83			140.63	3.80	2.78%		95.24%
HST		0.13	17.79		0.13	18.28	0.49	2.78%		12.38%
Total Electricity Charge on TOU (including HST)			154.62			158.91	4.30	2.78%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.95		-0.08	-11.25	-0.30	2.78%		-7.62%
Total Amount on TOU			143.67			147.66	3.99	2.78%		100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 4 of 45

Rate Class	UR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1479.8
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.57%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	38.48%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	63.05%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		31.93%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		12.67%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		18.29%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	61.99%	62.89%
Service Charge	1	24.78	24.78	1	27.76	27.76	2.98	12.03%	11.04%	11.20%
Fixed Deferral/Variance Account Rider	1	0.72	0.72	1	0.01	0.01	-0.71	-98.61%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0.0094	13.16	1,400	0.0079	11.06	-2.10	-15.96%	4.40%	4.46%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,400	-0.0003	-0.42	1,400	0.0002	0.28	0.70	-166.67%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			38.24			39.11	0.87	2.28%	15.55%	15.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.12	9.66	80	0.12	9.66	0.00	0.00%	3.84%	3.89%
Line Losses on Cost of Power (based on TOU prices)	80	0.11	8.89	80	0.11	8.89	0.00	0.00%	3.53%	3.58%
Sub-Total: Distribution (based on two-tier RPP prices)			48.69			49.56	0.87	1.79%	19.70%	19.98%
Sub-Total: Distribution (based on TOU prices)			47.92			48.79	0.87	1.82%	19.39%	19.68%
Retail Transmission Rate – Network Service Rate	1,480	0.0067	9.91	1,480	0.0078	11.58	1.67	16.84%	4.60%	4.67%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,480	0.0047	6.96	1,480	0.0064	9.53	2.57	36.98%	3.79%	3.84%
Sub-Total: Retail Transmission			16.87			21.11	4.24	25.14%	8.39%	8.51%
Sub-Total: Delivery (based on two-tier RPP prices)			65.56			70.67	5.11	7.80%	28.09%	28.50%
Sub-Total: Delivery (based on TOU prices)			64.79			69.90	5.11	7.89%	27.79%	28.19%
Wholesale Market Service Rate	1,480	0.0036	5.33	1,480	0.0036	5.33	0.00	0.00%	2.12%	2.15%
Rural Rate Protection Charge	1,480	0.0021	3.11	1,480	0.0021	3.11	0.00	0.00%	1.24%	1.25%
Ontario Electricity Support Program Charge	1,480	0.0011	1.63	1,480	0.0011	1.63	0.00	0.00%	0.65%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			10.31			10.31	0.00	0.00%	4.10%	4.16%
Debt Retirement Charge (DRC)	1,400	0.000	0.00	1,400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			234.47			239.58	5.11	2.18%	95.24%	
HST		0.13	30.48		0.13	31.15	0.66	2.18%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			264.95			270.72	5.78	2.18%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.76		-0.08	-19.17	-0.41	2.18%	-7.62%	
Total Amount on Two-Tier RPP			246.19			251.56	5.37	2.18%	100.00%	
Total Electricity Charge on TOU (before HST)			231.05			236.16	5.11	2.21%		95.24%
HST		0.13	30.04		0.13	30.70	0.66	2.21%		12.38%
Total Electricity Charge on TOU (including HST)			261.08			266.86	5.78	2.21%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.48		-0.08	-18.89	-0.41	2.21%		-7.62%
Total Amount on TOU			242.60			247.97	5.37	2.21%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 5 of 45

Rate Class	R1
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	430
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	38.96%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	38.96%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		20.65%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		8.19%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		11.83%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	42.14%	40.68%
Service Charge	1	33.77	33.77	1	37.83	37.83	4.06	12.02%	35.78%	34.54%
Fixed Deferral/Variance Account Rider	1	0.82	0.82	1	0.00	0.00	-0.82	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.023	9.20	400	0.0220	8.80	-0.40	-4.35%	8.32%	8.03%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	400	-0.0002	-0.08	400	0.0002	0.08	0.16	-200.00%	0.08%	0.07%
Sub-Total: Distribution (excluding pass through)			43.71			46.71	3.00	6.86%	44.17%	42.64%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.75%	0.72%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.10	3.13	30	0.10	3.13	0.00	0.00%	2.96%	2.86%
Line Losses on Cost of Power (based on TOU prices)	30	0.11	3.39	30	0.11	3.39	0.00	0.00%	3.20%	3.09%
Sub-Total: Distribution (based on two-tier RPP prices)			47.63			50.63	3.00	6.30%	47.88%	46.22%
Sub-Total: Distribution (based on TOU prices)			47.89			50.89	3.00	6.26%	48.12%	46.46%
Retail Transmission Rate – Network Service Rate	430	0.0064	2.75	430	0.0072	3.10	0.35	12.61%	2.93%	2.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.0047	2.02	430	0.0060	2.60	0.57	28.34%	2.46%	2.37%
Sub-Total: Retail Transmission			4.78			5.70	0.92	19.27%	5.39%	5.20%
Sub-Total: Delivery (based on two-tier RPP prices)			52.41			56.33	3.92	7.48%	53.27%	51.43%
Sub-Total: Delivery (based on TOU prices)			52.66			56.58	3.92	7.44%	53.51%	51.66%
Wholesale Market Service Rate	430	0.0036	1.55	430	0.0036	1.55	0.00	0.00%	1.47%	1.41%
Rural Rate Protection Charge	430	0.0021	0.90	430	0.0021	0.90	0.00	0.00%	0.85%	0.83%
Ontario Electricity Support Program Charge	430	0.0011	0.47	430	0.0011	0.47	0.00	0.00%	0.45%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.24%	0.23%
Sub-Total: Regulatory			3.18			3.18	0.00	0.00%	3.00%	2.90%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			96.79			100.71	3.92	4.05%	95.24%	
HST		0.13	12.58		0.13	13.09	0.51	4.05%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			109.37			113.80	4.43	4.05%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.74		-0.08	-8.06	-0.31	4.05%	-7.62%	
Total Amount on Two-Tier RPP			101.62			105.74	4.12	4.05%	100.00%	
Total Electricity Charge on TOU (before HST)			100.40			104.32	3.92	3.91%		95.24%
HST		0.13	13.05		0.13	13.56	0.51	3.91%		12.38%
Total Electricity Charge on TOU (including HST)			113.45			117.88	4.43	3.91%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.03		-0.08	-8.35	-0.31	3.91%		-7.62%
Total Amount on TOU			105.42			109.53	4.12	3.91%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 6 of 45

Rate Class	R1
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	807
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	37.12%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.90%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	48.03%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		25.00%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.92%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		14.32%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	50.19%	49.24%
Service Charge	1	33.77	33.77	1	37.83	37.83	4.06	12.02%	22.73%	22.30%
Fixed Deferral/Variance Account Rider	1	0.82	0.82	1	0.00	0.00	-0.82	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.023	17.25	750	0.0220	16.50	-0.75	-4.35%	9.91%	9.73%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	-0.0002	-0.15	750	0.0002	0.15	0.30	-200.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			51.69			54.48	2.79	5.40%	32.73%	32.11%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.47%	0.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.12	6.90	57	0.12	6.90	0.00	0.00%	4.14%	4.07%
Line Losses on Cost of Power (based on TOU prices)	57	0.11	6.35	57	0.11	6.35	0.00	0.00%	3.81%	3.74%
Sub-Total: Distribution (based on two-tier RPP prices)			59.38			62.17	2.79	4.70%	37.35%	36.64%
Sub-Total: Distribution (based on TOU prices)			58.83			61.62	2.79	4.74%	37.02%	36.32%
Retail Transmission Rate – Network Service Rate	807	0.0064	5.16	807	0.0072	5.82	0.65	12.61%	3.49%	3.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.0047	3.79	807	0.0060	4.87	1.07	28.34%	2.92%	2.87%
Sub-Total: Retail Transmission			8.96			10.68	1.73	19.27%	6.42%	6.30%
Sub-Total: Delivery (based on two-tier RPP prices)			68.33			72.85	4.52	6.61%	43.76%	42.94%
Sub-Total: Delivery (based on TOU prices)			67.79			72.30	4.52	6.66%	43.43%	42.62%
Wholesale Market Service Rate	807	0.0036	2.91	807	0.0036	2.91	0.00	0.00%	1.75%	1.71%
Rural Rate Protection Charge	807	0.0021	1.69	807	0.0021	1.69	0.00	0.00%	1.02%	1.00%
Ontario Electricity Support Program Charge	807	0.0011	0.89	807	0.0011	0.89	0.00	0.00%	0.53%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.15%
Sub-Total: Regulatory			5.74			5.74	0.00	0.00%	3.45%	3.38%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			154.02			158.54	4.52	2.93%	95.24%	
HST		0.13	20.02		0.13	20.61	0.59	2.93%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			174.05			179.15	5.10	2.93%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.32		-0.08	-12.68	-0.36	2.93%	-7.62%	
Total Amount on Two-Tier RPP			161.72			166.47	4.74	2.93%	100.00%	
Total Electricity Charge on TOU (before HST)			157.07			161.58	4.52	2.88%		95.24%
HST		0.13	20.42		0.13	21.01	0.59	2.88%		12.38%
Total Electricity Charge on TOU (including HST)			177.49			182.59	5.10	2.88%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.57		-0.08	-12.93	-0.36	2.88%		-7.62%
Total Amount on TOU			164.92			169.66	4.74	2.88%		100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 7 of 45

Rate Class	R1
Monthly Consumption (kWh)	920
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	990
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	31.29%	
Energy Second Tier (kWh)	320	0.121	38.72	320	0.121	38.72	0.00	0.00%	19.60%	
Sub-Total: Energy (RPP)			100.52			100.52	0.00	0.00%	50.89%	
TOU-Off Peak	598	0.087	52.03	598	0.087	52.03	0.00	0.00%		26.16%
TOU-Mid Peak	156	0.132	20.64	156	0.132	20.64	0.00	0.00%		10.38%
TOU-On Peak	166	0.180	29.81	166	0.180	29.81	0.00	0.00%		14.99%
Sub-Total: Energy (TOU)			102.48			102.48	0.00	0.00%	51.88%	51.53%
Service Charge	1	33.77	33.77	1	37.83	37.83	4.06	12.02%	19.15%	19.02%
Fixed Deferral/Variance Account Rider	1	0.82	0.82	1	0.00	0.00	-0.82	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	920	0.023	21.16	920	0.0220	20.24	-0.92	-4.35%	10.25%	10.18%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	920	-0.0002	-0.18	920	0.0002	0.18	0.37	-200.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			55.57			58.25	2.69	4.84%	29.49%	29.29%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.40%	0.40%
Line Losses on Cost of Power (based on two-tier RPP prices)	70	0.12	8.46	70	0.12	8.46	0.00	0.00%	4.28%	4.25%
Line Losses on Cost of Power (based on TOU prices)	70	0.11	7.79	70	0.11	7.79	0.00	0.00%	3.94%	3.92%
Sub-Total: Distribution (based on two-tier RPP prices)			64.82			67.50	2.69	4.15%	34.18%	33.94%
Sub-Total: Distribution (based on TOU prices)			64.14			66.83	2.69	4.19%	33.84%	33.61%
Retail Transmission Rate – Network Service Rate	990	0.0064	6.34	990	0.0072	7.13	0.80	12.61%	3.61%	3.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	990	0.0047	4.65	990	0.0060	5.97	1.32	28.34%	3.02%	3.00%
Sub-Total: Retail Transmission			10.99			13.11	2.12	19.27%	6.64%	6.59%
Sub-Total: Delivery (based on two-tier RPP prices)			75.80			80.61	4.81	6.34%	40.81%	40.53%
Sub-Total: Delivery (based on TOU prices)			75.13			79.94	4.81	6.40%	40.47%	40.20%
Wholesale Market Service Rate	990	0.0036	3.56	990	0.0036	3.56	0.00	0.00%	1.80%	1.79%
Rural Rate Protection Charge	990	0.0021	2.08	990	0.0021	2.08	0.00	0.00%	1.05%	1.05%
Ontario Electricity Support Program Charge	990	0.0011	1.09	990	0.0011	1.09	0.00	0.00%	0.55%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			6.98			6.98	0.00	0.00%	3.53%	3.51%
Debt Retirement Charge (DRC)	920	0.000	0.00	920	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			183.31			188.11	4.81	2.62%	95.24%	
HST		0.13	23.83		0.13	24.45	0.62	2.62%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			207.14			212.57	5.43	2.62%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-14.66		-0.08	-15.05	-0.38	2.62%	-7.62%	
Total Amount on Two-Tier RPP			192.47			197.52	5.05	2.62%	100.00%	
Total Electricity Charge on TOU (before HST)			184.59			189.40	4.81	2.60%		95.24%
HST		0.13	24.00		0.13	24.62	0.62	2.60%		12.38%
Total Electricity Charge on TOU (including HST)			208.59			214.02	5.43	2.60%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-14.77		-0.08	-15.15	-0.38	2.60%		-7.62%
Total Amount on TOU			193.82			198.87	5.05	2.60%		100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 8 of 45

Rate Class	R1
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1937
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	17.25%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	40.53%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	57.78%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		29.08%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		11.54%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		16.66%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	55.97%	57.28%
Service Charge	1	33.77	33.77	1	37.83	37.83	4.06	12.02%	10.56%	10.81%
Fixed Deferral/Variance Account Rider	1	0.82	0.82	1	0.00	0.00	-0.82	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.023	41.40	1,800	0.0220	39.60	-1.80	-4.35%	11.05%	11.31%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,800	-0.0002	-0.36	1,800	0.0002	0.36	0.72	-200.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			75.63			77.79	2.16	2.86%	21.71%	22.22%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.12	16.55	137	0.12	16.55	0.00	0.00%	4.62%	4.73%
Line Losses on Cost of Power (based on TOU prices)	137	0.11	15.24	137	0.11	15.24	0.00	0.00%	4.25%	4.35%
Sub-Total: Distribution (based on two-tier RPP prices)			92.97			95.13	2.16	2.32%	26.55%	27.18%
Sub-Total: Distribution (based on TOU prices)			91.66			93.82	2.16	2.36%	26.19%	26.80%
Retail Transmission Rate – Network Service Rate	1,937	0.0064	12.40	1,937	0.0072	13.96	1.56	12.61%	3.90%	3.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.0047	9.10	1,937	0.0060	11.68	2.58	28.34%	3.26%	3.34%
Sub-Total: Retail Transmission			21.50			25.64	4.14	19.27%	7.16%	7.33%
Sub-Total: Delivery (based on two-tier RPP prices)			114.47			120.77	6.30	5.51%	33.71%	34.50%
Sub-Total: Delivery (based on TOU prices)			113.16			119.46	6.30	5.57%	33.34%	34.13%
Wholesale Market Service Rate	1,937	0.0036	6.97	1,937	0.0036	6.97	0.00	0.00%	1.95%	1.99%
Rural Rate Protection Charge	1,937	0.0021	4.07	1,937	0.0021	4.07	0.00	0.00%	1.14%	1.16%
Ontario Electricity Support Program Charge	1,937	0.0011	2.13	1,937	0.0011	2.13	0.00	0.00%	0.59%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			13.42			13.42	0.00	0.00%	3.75%	3.83%
Debt Retirement Charge (DRC)	1,800	0.000	0.00	1,800	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			334.89			341.19	6.30	1.88%	95.24%	
HST		0.13	43.54		0.13	44.36	0.82	1.88%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			378.43			385.55	7.12	1.88%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.79		-0.08	-27.30	-0.50	1.88%	-7.62%	
Total Amount on Two-Tier RPP			351.64			358.25	6.62	1.88%	100.00%	
Total Electricity Charge on TOU (before HST)			327.08			333.38	6.30	1.93%		95.24%
HST		0.13	42.52		0.13	43.34	0.82	1.93%		12.38%
Total Electricity Charge on TOU (including HST)			369.60			376.72	7.12	1.93%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.17		-0.08	-26.67	-0.50	1.93%		-7.62%
Total Amount on TOU			343.43			350.05	6.62	1.93%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 9 of 45

Rate Class	R2
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	497.25
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	450	0.103	46.35	450	0.103	46.35	0.00	0.00%	42.73%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			46.35			46.35	0.00	0.00%	42.73%	
TOU-Off Peak	293	0.087	25.45	293	0.087	25.45	0.00	0.00%		22.55%
TOU-Mid Peak	77	0.132	10.10	77	0.132	10.10	0.00	0.00%		8.95%
TOU-On Peak	81	0.180	14.58	81	0.180	14.58	0.00	0.00%		12.92%
Sub-Total: Energy (TOU)			50.13			50.13	0.00	0.00%	46.21%	44.42%
Service Charge (RRRP credit applied)	1	19.83	19.83	1	25.11	25.11	5.28	26.62%	23.15%	22.25%
Fixed Deferral/Variance Account Rider	1	1.36	1.36	1	-0.02	-0.02	-1.38	-101.47%	-0.02%	-0.02%
Distribution Volumetric Rate	450	0.0374	16.83	450	0.0363	16.34	-0.50	-2.94%	15.06%	14.48%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	450	0.0000	0.00	450	0.0002	0.09	0.09	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			38.02			41.51	3.49	9.19%	38.27%	36.79%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.73%	0.70%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.10	4.87	47	0.10	4.87	0.00	0.00%	4.49%	4.31%
Line Losses on Cost of Power (based on TOU prices)	47	0.11	5.26	47	0.11	5.26	0.00	0.00%	4.85%	4.66%
Sub-Total: Distribution (based on two-tier RPP prices)			43.68			47.17	3.49	8.00%	43.49%	41.80%
Sub-Total: Distribution (based on TOU prices)			44.07			47.57	3.49	7.93%	43.85%	42.15%
Retail Transmission Rate – Network Service Rate	497	0.0062	3.08	497	0.0067	3.35	0.27	8.71%	3.09%	2.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0044	2.19	497	0.0056	2.80	0.61	27.95%	2.58%	2.48%
Sub-Total: Retail Transmission			5.27			6.15	0.88	16.70%	5.67%	5.45%
Sub-Total: Delivery (based on two-tier RPP prices)			48.95			53.32	4.37	8.94%	49.16%	47.25%
Sub-Total: Delivery (based on TOU prices)			49.34			53.72	4.37	8.87%	49.52%	47.60%
Wholesale Market Service Rate	497	0.0036	1.79	497	0.0036	1.79	0.00	0.00%	1.65%	1.59%
Rural Rate Protection Charge	497	0.0021	1.04	497	0.0021	1.04	0.00	0.00%	0.96%	0.93%
Ontario Electricity Support Program Charge	497	0.0011	0.55	497	0.0011	0.55	0.00	0.00%	0.50%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.23%	0.22%
Sub-Total: Regulatory			3.63			3.63	0.00	0.00%	3.35%	3.22%
Debt Retirement Charge (DRC)	450	0.000	0.00	450	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			98.93			103.30	4.37	4.42%	95.24%	
HST		0.13	12.86		0.13	13.43	0.57	4.42%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			111.79			116.73	4.94	4.42%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.91		-0.08	-8.26	-0.35	4.42%	-7.62%	
Total Amount on Two-Tier RPP			103.88			108.47	4.59	4.42%	100.00%	
Total Electricity Charge on TOU (before HST)			103.10			107.48	4.37	4.24%		95.24%
HST		0.13	13.40		0.13	13.97	0.57	4.24%		12.38%
Total Electricity Charge on TOU (including HST)			116.50			121.45	4.94	4.24%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.25		-0.08	-8.60	-0.35	4.24%		-7.62%
Total Amount on TOU			108.26			112.85	4.59	4.24%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 10 of 45

Rate Class	R2
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	828.75
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	37.05%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.88%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	47.93%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		24.98%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.91%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		14.31%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	50.08%	49.20%
Service Charge (RRRP credit applied)	1	19.83	19.83	1	25.11	25.11	5.28	26.62%	15.05%	14.79%
Fixed Deferral/Variance Account Rider	1	1.36	1.36	1	-0.02	-0.02	-1.38	-101.47%	-0.01%	-0.01%
Distribution Volumetric Rate	750	0.0374	28.05	750	0.0363	27.23	-0.83	-2.94%	16.32%	16.03%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0000	0.00	750	0.0002	0.15	0.15	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			49.24			52.46	3.22	6.55%	31.45%	30.90%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.47%	0.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.12	9.53	79	0.12	9.53	0.00	0.00%	5.71%	5.61%
Line Losses on Cost of Power (based on TOU prices)	79	0.11	8.77	79	0.11	8.77	0.00	0.00%	5.26%	5.17%
Sub-Total: Distribution (based on two-tier RPP prices)			59.56			62.78	3.22	5.41%	37.64%	36.98%
Sub-Total: Distribution (based on TOU prices)			58.80			62.03	3.22	5.48%	37.18%	36.53%
Retail Transmission Rate – Network Service Rate	829	0.0062	5.14	829	0.0067	5.59	0.45	8.71%	3.35%	3.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0044	3.65	829	0.0056	4.67	1.02	27.95%	2.80%	2.75%
Sub-Total: Retail Transmission			8.78			10.25	1.47	16.70%	6.15%	6.04%
Sub-Total: Delivery (based on two-tier RPP prices)			68.34			73.04	4.69	6.86%	43.78%	43.01%
Sub-Total: Delivery (based on TOU prices)			67.59			72.28	4.69	6.94%	43.33%	42.57%
Wholesale Market Service Rate	829	0.0036	2.98	829	0.0036	2.98	0.00	0.00%	1.79%	1.76%
Rural Rate Protection Charge	829	0.0021	1.74	829	0.0021	1.74	0.00	0.00%	1.04%	1.03%
Ontario Electricity Support Program Charge	829	0.0011	0.91	829	0.0011	0.91	0.00	0.00%	0.55%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.15%
Sub-Total: Regulatory			5.89			5.89	0.00	0.00%	3.53%	3.47%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			154.18			158.87	4.69	3.04%	95.24%	
HST		0.13	20.04		0.13	20.65	0.61	3.04%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			174.22			179.52	5.30	3.04%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.33		-0.08	-12.71	-0.38	3.04%	-7.62%	
Total Amount on Two-Tier RPP			161.89			166.81	4.93	3.04%	100.00%	
Total Electricity Charge on TOU (before HST)			157.01			161.71	4.69	2.99%		95.24%
HST		0.13	20.41		0.13	21.02	0.61	2.99%		12.38%
Total Electricity Charge on TOU (including HST)			177.43			182.73	5.30	2.99%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.56		-0.08	-12.94	-0.38	2.99%		-7.62%
Total Amount on TOU			164.87			169.79	4.93	2.99%		100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 11 of 45

Rate Class	R2
Monthly Consumption (kWh)	1152
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1272.96
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.96%	
Energy Second Tier (kWh)	552	0.121	66.79	552	0.121	66.79	0.00	0.00%	26.98%	
Sub-Total: Energy (RPP)			128.59			128.59	0.00	0.00%	51.94%	
TOU-Off Peak	749	0.087	65.15	749	0.087	65.15	0.00	0.00%		26.47%
TOU-Mid Peak	196	0.132	25.85	196	0.132	25.85	0.00	0.00%		10.50%
TOU-On Peak	207	0.180	37.32	207	0.180	37.32	0.00	0.00%		15.17%
Sub-Total: Energy (TOU)			128.32			128.32	0.00	0.00%	51.83%	52.14%
Service Charge (RRRP credit applied)	1	19.83	19.83	1	25.11	25.11	5.28	26.62%	10.14%	10.20%
Fixed Deferral/Variance Account Rider	1	1.36	1.36	1	-0.02	-0.02	-1.38	-101.47%	-0.01%	-0.01%
Distribution Volumetric Rate	1,152	0.0374	43.08	1,152	0.0363	41.82	-1.27	-2.94%	16.89%	16.99%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,152	0.0000	0.00	1,152	0.0002	0.23	0.23	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			64.27			67.14	2.86	4.45%	27.12%	27.28%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	121	0.12	14.64	121	0.12	14.64	0.00	0.00%	5.91%	5.95%
Line Losses on Cost of Power (based on TOU prices)	121	0.11	13.47	121	0.11	13.47	0.00	0.00%	5.44%	5.48%
Sub-Total: Distribution (based on two-tier RPP prices)			79.70			82.56	2.86	3.59%	33.35%	33.55%
Sub-Total: Distribution (based on TOU prices)			78.54			81.40	2.86	3.65%	32.88%	33.08%
Retail Transmission Rate – Network Service Rate	1,273	0.0062	7.89	1,273	0.0067	8.58	0.69	8.71%	3.47%	3.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,273	0.0044	5.60	1,273	0.0056	7.17	1.57	27.95%	2.89%	2.91%
Sub-Total: Retail Transmission			13.49			15.75	2.25	16.70%	6.36%	6.40%
Sub-Total: Delivery (based on two-tier RPP prices)			93.19			98.31	5.12	5.49%	39.71%	39.95%
Sub-Total: Delivery (based on TOU prices)			92.03			97.15	5.12	5.56%	39.24%	39.48%
Wholesale Market Service Rate	1,273	0.0036	4.58	1,273	0.0036	4.58	0.00	0.00%	1.85%	1.86%
Rural Rate Protection Charge	1,273	0.0021	2.67	1,273	0.0021	2.67	0.00	0.00%	1.08%	1.09%
Ontario Electricity Support Program Charge	1,273	0.0011	1.40	1,273	0.0011	1.40	0.00	0.00%	0.57%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			8.91			8.91	0.00	0.00%	3.60%	3.62%
Debt Retirement Charge (DRC)	1,152	0.000	0.00	1,152	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			230.69			235.81	5.12	2.22%	95.24%	
HST		0.13	29.99		0.13	30.66	0.67	2.22%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			260.68			266.46	5.78	2.22%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.46		-0.08	-18.86	-0.41	2.22%	-7.62%	
Total Amount on Two-Tier RPP			242.23			247.60	5.37	2.22%	100.00%	
Total Electricity Charge on TOU (before HST)			229.26			234.38	5.12	2.23%		95.24%
HST		0.13	29.80		0.13	30.47	0.67	2.23%		12.38%
Total Electricity Charge on TOU (including HST)			259.06			264.84	5.78	2.23%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.34		-0.08	-18.75	-0.41	2.23%		-7.62%
Total Amount on TOU			240.72			246.09	5.37	2.23%		100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 12 of 45

Rate Class	R2
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2541.5
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	12.92%	
Energy Second Tier (kWh)	1,700	0.121	205.70	1,700	0.121	205.70	0.00	0.00%	43.01%	
Sub-Total: Energy (RPP)			267.50			267.50	0.00	0.00%	55.93%	
TOU-Off Peak	1,495	0.087	130.07	1,495	0.087	130.07	0.00	0.00%		28.03%
TOU-Mid Peak	391	0.132	51.61	391	0.132	51.61	0.00	0.00%		11.12%
TOU-On Peak	414	0.180	74.52	414	0.180	74.52	0.00	0.00%		16.06%
Sub-Total: Energy (TOU)			256.20			256.20	0.00	0.00%	53.56%	55.22%
Service Charge (RRRP credit applied)	1	19.83	19.83	1	25.11	25.11	5.28	26.62%	5.25%	5.41%
Fixed Deferral/Variance Account Rider	1	1.36	1.36	1	-0.02	-0.02	-1.38	-101.47%	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.0374	86.02	2,300	0.0363	83.49	-2.53	-2.94%	17.46%	17.99%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,300	0.0000	0.00	2,300	0.0002	0.46	0.46	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			107.21			109.04	1.83	1.71%	22.80%	23.50%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.12	29.22	242	0.12	29.22	0.00	0.00%	6.11%	6.30%
Line Losses on Cost of Power (based on TOU prices)	242	0.11	26.90	242	0.11	26.90	0.00	0.00%	5.62%	5.80%
Sub-Total: Distribution (based on two-tier RPP prices)			137.22			139.05	1.83	1.33%	29.07%	29.97%
Sub-Total: Distribution (based on TOU prices)			134.90			136.73	1.83	1.36%	28.59%	29.47%
Retail Transmission Rate – Network Service Rate	2,542	0.0062	15.76	2,542	0.0067	17.13	1.37	8.71%	3.58%	3.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0044	11.18	2,542	0.0056	14.31	3.13	27.95%	2.99%	3.08%
Sub-Total: Retail Transmission			26.94			31.44	4.50	16.70%	6.57%	6.78%
Sub-Total: Delivery (based on two-tier RPP prices)			164.16			170.49	6.33	3.85%	35.65%	36.74%
Sub-Total: Delivery (based on TOU prices)			161.84			168.17	6.33	3.91%	35.16%	36.24%
Wholesale Market Service Rate	2,542	0.0036	9.15	2,542	0.0036	9.15	0.00	0.00%	1.91%	1.97%
Rural Rate Protection Charge	2,542	0.0021	5.34	2,542	0.0021	5.34	0.00	0.00%	1.12%	1.15%
Ontario Electricity Support Program Charge	2,542	0.0011	2.80	2,542	0.0011	2.80	0.00	0.00%	0.58%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			17.53			17.53	0.00	0.00%	3.67%	3.78%
Debt Retirement Charge (DRC)	2,300	0.000	0.00	2,300	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			449.19			455.52	6.33	1.41%	95.24%	
HST		0.13	58.40		0.13	59.22	0.82	1.41%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			507.59			514.74	7.15	1.41%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.94		-0.08	-36.44	-0.51	1.41%	-7.62%	
Total Amount on Two-Tier RPP			471.65			478.30	6.64	1.41%	100.00%	
Total Electricity Charge on TOU (before HST)			435.57			441.90	6.33	1.45%		95.24%
HST		0.13	56.62		0.13	57.45	0.82	1.45%		12.38%
Total Electricity Charge on TOU (including HST)			492.19			499.34	7.15	1.45%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-34.85		-0.08	-35.35	-0.51	1.45%		-7.62%
Total Amount on TOU			457.35			463.99	6.64	1.45%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 13 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	55
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	9.56%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	9.56%	
TOU-Off Peak	33	0.087	2.83	33	0.087	2.83	0.00	0.00%		5.20%
TOU-Mid Peak	9	0.132	1.12	9	0.132	1.12	0.00	0.00%		2.06%
TOU-On Peak	9	0.180	1.62	9	0.180	1.62	0.00	0.00%		2.98%
Sub-Total: Energy (TOU)			5.57			5.57	0.00	0.00%	10.34%	10.25%
Service Charge	1	36.28	36.28	1	40.57	40.57	4.29	11.82%	75.32%	74.65%
Fixed Deferral/Variance Account Rider	1	0.84	0.84	1	0.00	0.00	-0.84	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	50	0.0635	3.18	50	0.0608	3.04	-0.14	-4.25%	5.64%	5.59%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	50	0.0003	0.02	50	0.0002	0.01	-0.01	-33.33%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			40.31			43.62	3.31	8.21%	80.98%	80.26%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.47%	1.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.10	0.54	5	0.10	0.54	0.00	0.00%	0.99%	0.99%
Line Losses on Cost of Power (based on TOU prices)	5	0.11	0.58	5	0.11	0.58	0.00	0.00%	1.08%	1.07%
Sub-Total: Distribution (based on two-tier RPP prices)			41.64			44.95	3.31	7.95%	83.44%	82.70%
Sub-Total: Distribution (based on TOU prices)			41.68			44.99	3.31	7.94%	83.52%	82.78%
Retail Transmission Rate – Network Service Rate	55	0.0051	0.28	55	0.0057	0.31	0.03	10.90%	0.58%	0.57%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0042	0.23	55	0.0048	0.27	0.03	14.79%	0.49%	0.49%
Sub-Total: Retail Transmission			0.51			0.58	0.06	12.66%	1.07%	1.06%
Sub-Total: Delivery (based on two-tier RPP prices)			42.15			45.52	3.37	8.01%	84.52%	83.76%
Sub-Total: Delivery (based on TOU prices)			42.19			45.57	3.37	8.00%	84.60%	83.84%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	0.37%	0.37%
Rural Rate Protection Charge	55	0.0021	0.12	55	0.0021	0.12	0.00	0.00%	0.22%	0.21%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.11%	0.11%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.46%	0.46%
Sub-Total: Regulatory			0.63			0.63	0.00	0.00%	1.16%	1.15%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			47.92			51.30	3.37	7.04%	95.24%	
HST		0.13	6.23		0.13	6.67	0.44	7.04%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			54.15			57.97	3.81	7.04%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-3.83		-0.08	-4.10	-0.27	7.04%	-7.62%	
Total Amount on Two-Tier RPP			50.32			53.86	3.54	7.04%	100.00%	
Total Electricity Charge on TOU (before HST)			48.39			51.76	3.37	6.97%		95.24%
HST		0.13	6.29		0.13	6.73	0.44	6.97%		12.38%
Total Electricity Charge on TOU (including HST)			54.68			58.49	3.81	6.97%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-3.87		-0.08	-4.14	-0.27	6.97%		-7.62%
Total Amount on TOU			50.81			54.35	3.54	6.97%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 14 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	386
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	31.37%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	31.37%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		16.73%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		6.64%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		9.58%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	33.93%	32.95%
Service Charge	1	36.28	36.28	1	40.57	40.57	4.29	11.82%	35.31%	34.29%
Fixed Deferral/Variance Account Rider	1	0.84	0.84	1	0.00	0.00	-0.84	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0.0635	22.23	350	0.0608	21.28	-0.95	-4.25%	18.52%	17.99%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0003	0.11	350	0.0002	0.07	-0.04	-33.33%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			59.45			61.92	2.47	4.15%	53.89%	52.34%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.69%	0.67%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.10	3.75	36	0.10	3.75	0.00	0.00%	3.26%	3.17%
Line Losses on Cost of Power (based on TOU prices)	36	0.11	4.05	36	0.11	4.05	0.00	0.00%	3.53%	3.43%
Sub-Total: Distribution (based on two-tier RPP prices)			63.99			66.46	2.47	3.86%	57.84%	56.17%
Sub-Total: Distribution (based on TOU prices)			64.29			66.76	2.47	3.84%	58.10%	56.43%
Retail Transmission Rate – Network Service Rate	386	0.0051	1.97	386	0.0057	2.19	0.21	10.90%	1.90%	1.85%
Retail Transmission Rate – Line and Transformation Connection Service Rate	386	0.0042	1.62	386	0.0048	1.86	0.24	14.79%	1.62%	1.57%
Sub-Total: Retail Transmission			3.59			4.05	0.45	12.66%	3.52%	3.42%
Sub-Total: Delivery (based on two-tier RPP prices)			67.58			70.51	2.92	4.33%	61.36%	59.60%
Sub-Total: Delivery (based on TOU prices)			67.89			70.81	2.92	4.31%	61.63%	59.85%
Wholesale Market Service Rate	386	0.0036	1.39	386	0.0036	1.39	0.00	0.00%	1.21%	1.18%
Rural Rate Protection Charge	386	0.0021	0.81	386	0.0021	0.81	0.00	0.00%	0.71%	0.69%
Ontario Electricity Support Program Charge	386	0.0011	0.43	386	0.0011	0.43	0.00	0.00%	0.37%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.21%
Sub-Total: Regulatory			2.88			2.88	0.00	0.00%	2.50%	2.43%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			106.51			109.44	2.92	2.75%	95.24%	
HST		0.13	13.85		0.13	14.23	0.38	2.75%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			120.36			123.66	3.31	2.75%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.52		-0.08	-8.75	-0.23	2.75%	-7.62%	
Total Amount on Two-Tier RPP			111.84			114.91	3.07	2.75%	100.00%	
Total Electricity Charge on TOU (before HST)			109.75			112.68	2.92	2.66%		95.24%
HST		0.13	14.27		0.13	14.65	0.38	2.66%		12.38%
Total Electricity Charge on TOU (including HST)			124.02			127.32	3.31	2.66%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.78		-0.08	-9.01	-0.23	2.66%		-7.62%
Total Amount on TOU			115.24			118.31	3.07	2.66%		100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 15 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	352
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	389
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	352	0.103	36.26	352	0.103	36.26	0.00	0.00%	31.44%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.26			36.26	0.00	0.00%	31.44%	
TOU-Off Peak	229	0.087	19.91	229	0.087	19.91	0.00	0.00%		16.76%
TOU-Mid Peak	60	0.132	7.90	60	0.132	7.90	0.00	0.00%		6.65%
TOU-On Peak	63	0.180	11.40	63	0.180	11.40	0.00	0.00%		9.61%
Sub-Total: Energy (TOU)			39.21			39.21	0.00	0.00%	34.00%	33.02%
Service Charge	1	36.28	36.28	1	40.57	40.57	4.29	11.82%	35.18%	34.17%
Fixed Deferral/Variance Account Rider	1	0.84	0.84	1	0.00	0.00	-0.84	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	352	0.0635	22.35	352	0.0608	21.40	-0.95	-4.25%	18.56%	18.02%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	352	0.0003	0.11	352	0.0002	0.07	-0.04	-33.33%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			59.58			62.04	2.46	4.14%	53.80%	52.25%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.69%	0.67%
Line Losses on Cost of Power (based on two-tier RPP prices)	37	0.10	3.77	37	0.10	3.77	0.00	0.00%	3.27%	3.18%
Line Losses on Cost of Power (based on TOU prices)	37	0.11	4.08	37	0.11	4.08	0.00	0.00%	3.54%	3.43%
Sub-Total: Distribution (based on two-tier RPP prices)			64.14			66.60	2.46	3.84%	57.76%	56.09%
Sub-Total: Distribution (based on TOU prices)			64.45			66.91	2.46	3.82%	58.02%	56.35%
Retail Transmission Rate – Network Service Rate	389	0.0051	1.98	389	0.0057	2.20	0.22	10.90%	1.91%	1.85%
Retail Transmission Rate – Line and Transformation Connection Service Rate	389	0.0042	1.63	389	0.0048	1.87	0.24	14.79%	1.62%	1.58%
Sub-Total: Retail Transmission			3.61			4.07	0.46	12.66%	3.53%	3.43%
Sub-Total: Delivery (based on two-tier RPP prices)			67.75			70.67	2.92	4.31%	61.29%	59.52%
Sub-Total: Delivery (based on TOU prices)			68.06			70.98	2.92	4.29%	61.55%	59.78%
Wholesale Market Service Rate	389	0.0036	1.40	389	0.0036	1.40	0.00	0.00%	1.21%	1.18%
Rural Rate Protection Charge	389	0.0021	0.82	389	0.0021	0.82	0.00	0.00%	0.71%	0.69%
Ontario Electricity Support Program Charge	389	0.0011	0.43	389	0.0011	0.43	0.00	0.00%	0.37%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.21%
Sub-Total: Regulatory			2.89			2.89	0.00	0.00%	2.51%	2.44%
Debt Retirement Charge (DRC)	352	0.000	0.00	352	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			106.90			109.82	2.92	2.73%	95.24%	
HST		0.13	13.90		0.13	14.28	0.38	2.73%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			120.80			124.10	3.30	2.73%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.55		-0.08	-8.79	-0.23	2.73%	-7.62%	
Total Amount on Two-Tier RPP			112.25			115.31	3.07	2.73%	100.00%	
Total Electricity Charge on TOU (before HST)			110.16			113.08	2.92	2.65%		95.24%
HST		0.13	14.32		0.13	14.70	0.38	2.65%		12.38%
Total Electricity Charge on TOU (including HST)			124.48			127.78	3.30	2.65%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.81		-0.08	-9.05	-0.23	2.65%		-7.62%
Total Amount on TOU			115.67			118.74	3.07	2.65%		100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 16 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1104
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.08%	
Energy Second Tier (kWh)	400	0.121	48.40	400	0.121	48.40	0.00	0.00%	18.86%	
Sub-Total: Energy (RPP)			110.20			110.20	0.00	0.00%	42.93%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		22.01%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.74%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.61%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	43.39%	43.36%
Service Charge	1	36.28	36.28	1	40.57	40.57	4.29	11.82%	15.80%	15.79%
Fixed Deferral/Variance Account Rider	1	0.84	0.84	1	0.00	0.00	-0.84	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0635	63.50	1,000	0.0608	60.80	-2.70	-4.25%	23.69%	23.67%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0003	0.30	1,000	0.0002	0.20	-0.10	-33.33%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			100.92			101.57	0.65	0.64%	39.57%	39.54%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.12	12.58	104	0.12	12.58	0.00	0.00%	4.90%	4.90%
Line Losses on Cost of Power (based on TOU prices)	104	0.11	11.58	104	0.11	11.58	0.00	0.00%	4.51%	4.51%
Sub-Total: Distribution (based on two-tier RPP prices)			114.29			114.94	0.65	0.57%	44.78%	44.74%
Sub-Total: Distribution (based on TOU prices)			113.29			113.94	0.65	0.57%	44.39%	44.36%
Retail Transmission Rate – Network Service Rate	1,104	0.0051	5.63	1,104	0.0057	6.24	0.61	10.90%	2.43%	2.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0042	4.64	1,104	0.0048	5.32	0.69	14.79%	2.07%	2.07%
Sub-Total: Retail Transmission			10.27			11.57	1.30	12.66%	4.51%	4.50%
Sub-Total: Delivery (based on two-tier RPP prices)			124.56			126.51	1.95	1.57%	49.29%	49.25%
Sub-Total: Delivery (based on TOU prices)			123.56			125.51	1.95	1.58%	48.90%	48.86%
Wholesale Market Service Rate	1,104	0.0036	3.97	1,104	0.0036	3.97	0.00	0.00%	1.55%	1.55%
Rural Rate Protection Charge	1,104	0.0021	2.32	1,104	0.0021	2.32	0.00	0.00%	0.90%	0.90%
Ontario Electricity Support Program Charge	1,104	0.0011	1.21	1,104	0.0011	1.21	0.00	0.00%	0.47%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.76			7.76	0.00	0.00%	3.02%	3.02%
Debt Retirement Charge (DRC)	1,000	0.000	0.00	1,000	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			242.52			244.47	1.95	0.80%	95.24%	
HST		0.13	31.53		0.13	31.78	0.25	0.80%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			274.05			276.25	2.20	0.80%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.40		-0.08	-19.56	-0.16	0.80%	-7.62%	
Total Amount on Two-Tier RPP			254.64			256.69	2.05	0.80%	100.00%	
Total Electricity Charge on TOU (before HST)			242.71			244.66	1.95	0.80%		95.24%
HST		0.13	31.55		0.13	31.81	0.25	0.80%		12.38%
Total Electricity Charge on TOU (including HST)			274.26			276.46	2.20	0.80%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.42		-0.08	-19.57	-0.16	0.80%		-7.62%
Total Amount on TOU			254.84			256.89	2.05	0.80%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 17 of 45

Rate Class	UGe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	37.81%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.81%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	52.62%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		27.23%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.80%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.60%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	54.53%	53.63%
Service Charge	1	23.3	23.30	1	23.97	23.97	0.67	2.88%	11.73%	11.54%
Fixed Deferral/Variance Account Rider	1	0.67	0.67	1	0.01	0.01	-0.66	-98.51%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0262	26.20	1,000	0.0280	28.00	1.80	6.87%	13.71%	13.48%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	-0.0001	-0.10	1,000	0.0002	0.20	0.30	-300.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			50.07			52.18	2.11	4.21%	25.54%	25.12%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.39%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.12	8.11	67	0.12	8.11	0.00	0.00%	3.97%	3.90%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.46	67	0.11	7.46	0.00	0.00%	3.65%	3.59%
Sub-Total: Distribution (based on two-tier RPP prices)			58.97			61.08	2.11	3.58%	29.90%	29.41%
Sub-Total: Distribution (based on TOU prices)			58.32			60.43	2.11	3.62%	29.58%	29.10%
Retail Transmission Rate – Network Service Rate	1,067	0.0064	6.83	1,067	0.0061	6.52	-0.31	-4.59%	3.19%	3.14%
Retail Transmission Rate – Line and Transformation Connection \$	1,067	0.0040	4.27	1,067	0.0047	4.96	0.70	16.30%	2.43%	2.39%
Sub-Total: Retail Transmission			11.10			11.48	0.38	3.44%	5.62%	5.53%
Sub-Total: Delivery (based on two-tier RPP prices)			70.06			72.56	2.49	3.56%	35.52%	34.93%
Sub-Total: Delivery (based on TOU prices)			69.42			71.91	2.49	3.59%	35.20%	34.62%
Wholesale Market Service Rate	1,067	0.0036	3.84	1,067	0.0036	3.84	0.00	0.00%	1.88%	1.85%
Rural Rate Protection Charge	1,067	0.0021	2.24	1,067	0.0021	2.24	0.00	0.00%	1.10%	1.08%
Ontario Electricity Support Program Charge	1,067	0.0011	1.17	1,067	0.0011	1.17	0.00	0.00%	0.57%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.51			7.51	0.00	0.00%	3.67%	3.61%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.43%	3.37%
Total Electricity Charge on Two-Tier RPP			192.07			194.56	2.49	1.30%	95.24%	
HST		0.13	24.97		0.13	25.29	0.32	1.30%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			217.04			219.85	2.82	1.30%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.37		-0.08	-15.56	-0.20	1.30%	-7.62%	
Total Amount on Two-Tier RPP			201.67			204.29	2.62	1.30%	100.00%	
Total Electricity Charge on TOU (before HST)			195.32			197.81	2.49	1.28%		95.24%
HST		0.13	25.39		0.13	25.71	0.32	1.28%		12.38%
Total Electricity Charge on TOU (including HST)			220.71			223.52	2.82	1.28%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.63		-0.08	-15.82	-0.20	1.28%		-7.62%
Total Amount on TOU			205.08			207.70	2.62	1.28%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 18 of 45

Rate Class	UGe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.48%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	38.15%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	57.63%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		29.07%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.53%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.65%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	56.19%	57.25%
Service Charge	1	23.3	23.30	1	23.97	23.97	0.67	2.88%	6.05%	6.16%
Fixed Deferral/Variance Account Rider	1	0.67	0.67	1	0.01	0.01	-0.66	-98.51%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0262	52.40	2,000	0.0280	56.00	3.60	6.87%	14.12%	14.39%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	-0.0001	-0.20	2,000	0.0002	0.40	0.60	-300.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			76.17			80.38	4.21	5.53%	20.27%	20.66%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.12	16.21	134	0.12	16.21	0.00	0.00%	4.09%	4.17%
Line Losses on Cost of Power (based on TOU prices)	134	0.11	14.93	134	0.11	14.93	0.00	0.00%	3.76%	3.84%
Sub-Total: Distribution (based on two-tier RPP prices)			93.17			97.38	4.21	4.52%	24.56%	25.03%
Sub-Total: Distribution (based on TOU prices)			91.89			96.10	4.21	4.58%	24.24%	24.70%
Retail Transmission Rate – Network Service Rate	2,134	0.0064	13.66	2,134	0.0061	13.03	-0.63	-4.59%	3.29%	3.35%
Retail Transmission Rate – Line and Transformation Connection \$	2,134	0.0040	8.54	2,134	0.0047	9.93	1.39	16.30%	2.50%	2.55%
Sub-Total: Retail Transmission			22.19			22.96	0.76	3.44%	5.79%	5.90%
Sub-Total: Delivery (based on two-tier RPP prices)			115.37			120.34	4.97	4.31%	30.35%	30.93%
Sub-Total: Delivery (based on TOU prices)			114.08			119.05	4.97	4.36%	30.03%	30.60%
Wholesale Market Service Rate	2,134	0.0036	7.68	2,134	0.0036	7.68	0.00	0.00%	1.94%	1.97%
Rural Rate Protection Charge	2,134	0.0021	4.48	2,134	0.0021	4.48	0.00	0.00%	1.13%	1.15%
Ontario Electricity Support Program Charge	2,134	0.0011	2.35	2,134	0.0011	2.35	0.00	0.00%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.76			14.76	0.00	0.00%	3.72%	3.79%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.53%	3.60%
Total Electricity Charge on Two-Tier RPP			372.63			377.60	4.97	1.33%	95.24%	
HST		0.13	48.44		0.13	49.09	0.65	1.33%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			421.07			426.69	5.62	1.33%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.81		-0.08	-30.21	-0.40	1.33%	-7.62%	
Total Amount on Two-Tier RPP			391.26			396.48	5.22	1.33%	100.00%	
Total Electricity Charge on TOU (before HST)			365.62			370.60	4.97	1.36%		95.24%
HST		0.13	47.53		0.13	48.18	0.65	1.36%		12.38%
Total Electricity Charge on TOU (including HST)			413.15			418.77	5.62	1.36%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.25		-0.08	-29.65	-0.40	1.36%		-7.62%
Total Amount on TOU			383.90			389.12	5.22	1.36%		100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 19 of 45

Rate Class	UGe
Monthly Consumption (kWh)	2759
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2944
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.24%	
Energy Second Tier (kWh)	2,009	0.121	243.09	2,009	0.121	243.09	0.00	0.00%	44.82%	
Sub-Total: Energy (RPP)			320.34			320.34	0.00	0.00%	59.06%	
TOU-Off Peak	1,793	0.087	156.02	1,793	0.087	156.02	0.00	0.00%		29.62%
TOU-Mid Peak	469	0.132	61.91	469	0.132	61.91	0.00	0.00%		11.75%
TOU-On Peak	497	0.180	89.39	497	0.180	89.39	0.00	0.00%		16.97%
Sub-Total: Energy (TOU)			307.33			307.33	0.00	0.00%	56.66%	58.34%
Service Charge	1	23.3	23.30	1	23.97	23.97	0.67	2.88%	4.42%	4.55%
Fixed Deferral/Variance Account Rider	1	0.67	0.67	1	0.01	0.01	-0.66	-98.51%	0.00%	0.00%
Distribution Volumetric Rate	2,759	0.0262	72.29	2,759	0.0280	77.25	4.97	6.87%	14.24%	14.66%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,759	-0.0001	-0.28	2,759	0.0002	0.55	0.83	-300.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			95.98			101.78	5.80	6.05%	18.77%	19.32%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.15%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	185	0.12	22.37	185	0.12	22.37	0.00	0.00%	4.12%	4.25%
Line Losses on Cost of Power (based on TOU prices)	185	0.11	20.59	185	0.11	20.59	0.00	0.00%	3.80%	3.91%
Sub-Total: Distribution (based on two-tier RPP prices)			119.14			124.94	5.80	4.87%	23.04%	23.72%
Sub-Total: Distribution (based on TOU prices)			117.36			123.16	5.80	4.95%	22.71%	23.38%
Retail Transmission Rate – Network Service Rate	2,944	0.0064	18.84	2,944	0.0061	17.98	-0.87	-4.59%	3.31%	3.41%
Retail Transmission Rate – Line and Transformation Connection \$	2,944	0.0040	11.78	2,944	0.0047	13.69	1.92	16.30%	2.53%	2.60%
Sub-Total: Retail Transmission			30.62			31.67	1.05	3.44%	5.84%	6.01%
Sub-Total: Delivery (based on two-tier RPP prices)			149.75			156.61	6.86	4.58%	28.88%	29.73%
Sub-Total: Delivery (based on TOU prices)			147.98			154.83	6.86	4.63%	28.55%	29.39%
Wholesale Market Service Rate	2,944	0.0036	10.60	2,944	0.0036	10.60	0.00	0.00%	1.95%	2.01%
Rural Rate Protection Charge	2,944	0.0021	6.18	2,944	0.0021	6.18	0.00	0.00%	1.14%	1.17%
Ontario Electricity Support Program Charge	2,944	0.0011	3.24	2,944	0.0011	3.24	0.00	0.00%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			20.27			20.27	0.00	0.00%	3.74%	3.85%
Debt Retirement Charge (DRC)	2,759	0.007	19.31	2,759	0.007	19.31	0.00	0.00%	3.56%	3.67%
Total Electricity Charge on Two-Tier RPP			509.67			516.53	6.86	1.35%	95.24%	
HST		0.13	66.26		0.13	67.15	0.89	1.35%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			575.93			583.68	7.75	1.35%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.77		-0.08	-41.32	-0.55	1.35%	-7.62%	
Total Amount on Two-Tier RPP			535.16			542.36	7.20	1.35%	100.00%	
Total Electricity Charge on TOU (before HST)			494.88			501.74	6.86	1.39%		95.24%
HST		0.13	64.33		0.13	65.23	0.89	1.39%		12.38%
Total Electricity Charge on TOU (including HST)			559.22			566.97	7.75	1.39%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-39.59		-0.08	-40.14	-0.55	1.39%		-7.62%
Total Amount on TOU			519.63			526.83	7.20	1.39%		100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 20 of 45

Rate Class	UGe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.67%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	59.56%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	62.23%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		30.87%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.25%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		17.69%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	57.72%	60.81%
Service Charge	1	23.3	23.30	1	23.97	23.97	0.67	2.88%	0.83%	0.87%
Fixed Deferral/Variance Account Rider	1	0.67	0.67	1	0.01	0.01	-0.66	-98.51%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0262	393.00	15,000	0.0280	420.00	27.00	6.87%	14.51%	15.29%
Volumetric Deferral/Variance Account Rider (including CBR Class)	15,000	-0.0001	-1.50	15,000	0.0002	3.00	4.50	-300.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			415.47			446.98	31.51	7.58%	15.44%	16.27%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.12	121.61	1,005	0.12	121.61	0.00	0.00%	4.20%	4.43%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.11	111.95	1,005	0.11	111.95	0.00	0.00%	3.87%	4.07%
Sub-Total: Distribution (based on two-tier RPP prices)			537.87			569.38	31.51	5.86%	19.67%	20.72%
Sub-Total: Distribution (based on TOU prices)			528.21			559.72	31.51	5.97%	19.33%	20.37%
Retail Transmission Rate – Network Service Rate	16,005	0.0064	102.43	16,005	0.0061	97.73	-4.71	-4.59%	3.38%	3.56%
Retail Transmission Rate – Line and Transformation Connection \$	16,005	0.0040	64.02	16,005	0.0047	74.46	10.44	16.30%	2.57%	2.71%
Sub-Total: Retail Transmission			166.45			172.18	5.73	3.44%	5.95%	6.27%
Sub-Total: Delivery (based on two-tier RPP prices)			704.32			741.56	37.24	5.29%	25.62%	26.99%
Sub-Total: Delivery (based on TOU prices)			694.66			731.90	37.24	5.36%	25.28%	26.64%
Wholesale Market Service Rate	16,005	0.0036	57.62	16,005	0.0036	57.62	0.00	0.00%	1.99%	2.10%
Rural Rate Protection Charge	16,005	0.0021	33.61	16,005	0.0021	33.61	0.00	0.00%	1.16%	1.22%
Ontario Electricity Support Program Charge	16,005	0.0011	17.61	16,005	0.0011	17.61	0.00	0.00%	0.61%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			109.08			109.08	0.00	0.00%	3.77%	3.97%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.63%	3.82%
Total Electricity Charge on Two-Tier RPP			2,719.90			2,757.14	37.24	1.37%	95.24%	
HST		0.13	353.59		0.13	358.43	4.84	1.37%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,073.49			3,115.57	42.08	1.37%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-217.59		-0.08	-220.57	-2.98	1.37%	-7.62%	
Total Amount on Two-Tier RPP			2,855.90			2,895.00	39.10	1.37%	100.00%	
Total Electricity Charge on TOU (before HST)			2,579.59			2,616.83	37.24	1.44%		95.24%
HST		0.13	335.35		0.13	340.19	4.84	1.44%		12.38%
Total Electricity Charge on TOU (including HST)			2,914.94			2,957.02	42.08	1.44%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-206.37		-0.08	-209.35	-2.98	1.44%		-7.62%
Total Amount on TOU			2,708.57			2,747.67	39.10	1.44%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 21 of 45

Rate Class	GSe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	31.34%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	12.27%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	43.62%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		22.66%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.99%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.98%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	45.19%	44.63%
Service Charge	1	27.87	27.87	1	29.68	29.68	1.81	6.49%	12.04%	11.89%
Fixed Deferral/Variance Account Rider	1	0.73	0.73	1	0.00	0.00	-0.73	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0560	56.00	1,000	0.0591	59.10	3.10	5.54%	23.98%	23.68%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			84.80			88.98	4.18	4.93%	36.10%	35.65%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.12	11.62	96	0.12	11.62	0.00	0.00%	4.71%	4.65%
Line Losses on Cost of Power (based on TOU prices)	96	0.11	10.69	96	0.11	10.69	0.00	0.00%	4.34%	4.28%
Sub-Total: Distribution (based on two-tier RPP prices)			97.21			101.39	4.18	4.30%	41.14%	40.62%
Sub-Total: Distribution (based on TOU prices)			96.28			100.46	4.18	4.34%	40.76%	40.25%
Retail Transmission Rate – Network Service Rate	1,096	0.0059	6.47	1,096	0.0057	6.24	-0.23	-3.51%	2.53%	2.50%
Retail Transmission Rate – Line and Transformation Connection \$	1,096	0.0038	4.16	1,096	0.0045	4.90	0.74	17.74%	1.99%	1.96%
Sub-Total: Retail Transmission			10.63			11.14	0.51	4.81%	4.52%	4.46%
Sub-Total: Delivery (based on two-tier RPP prices)			107.84			112.53	4.69	4.35%	45.66%	45.09%
Sub-Total: Delivery (based on TOU prices)			106.91			111.61	4.69	4.39%	45.28%	44.72%
Wholesale Market Service Rate	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.60%	1.58%
Rural Rate Protection Charge	1,096	0.0021	2.30	1,096	0.0021	2.30	0.00	0.00%	0.93%	0.92%
Ontario Electricity Support Program Charge	1,096	0.0011	1.21	1,096	0.0011	1.21	0.00	0.00%	0.49%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.70			7.70	0.00	0.00%	3.13%	3.09%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.84%	2.80%
Total Electricity Charge on Two-Tier RPP			230.04			234.73	4.69	2.04%	95.24%	
HST		0.13	29.91		0.13	30.52	0.61	2.04%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			259.95			265.25	5.30	2.04%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.40		-0.08	-18.78	-0.38	-2.04%	-7.62%	
Total Amount on Two-Tier RPP			241.54			246.47	4.93	2.04%	100.00%	
Total Electricity Charge on TOU (before HST)			233.01			237.70	4.69	2.01%		95.24%
HST		0.13	30.29		0.13	30.90	0.61	2.01%		12.38%
Total Electricity Charge on TOU (including HST)			263.30			268.60	5.30	2.01%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.64		-0.08	-19.02	-0.38	-2.01%		-7.62%
Total Amount on TOU			244.66			249.58	4.93	2.01%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 22 of 45

Rate Class	GSe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	16.27%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	31.85%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	48.12%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		24.22%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		9.61%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		13.88%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	46.92%	47.71%
Service Charge	1	27.87	27.87	1	29.68	29.68	1.81	6.49%	6.25%	6.36%
Fixed Deferral/Variance Account Rider	1	0.73	0.73	1	0.00	0.00	-0.73	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0560	112.00	2,000	0.0591	118.20	6.20	5.54%	24.89%	25.32%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.08%	0.09%
Sub-Total: Distribution (excluding pass through)			141.00			148.28	7.28	5.16%	31.23%	31.76%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.12	23.23	192	0.12	23.23	0.00	0.00%	4.89%	4.98%
Line Losses on Cost of Power (based on TOU prices)	192	0.11	21.39	192	0.11	21.39	0.00	0.00%	4.50%	4.58%
Sub-Total: Distribution (based on two-tier RPP prices)			165.02			172.30	7.28	4.41%	36.29%	36.90%
Sub-Total: Distribution (based on TOU prices)			163.18			170.46	7.28	4.46%	35.90%	36.51%
Retail Transmission Rate – Network Service Rate	2,192	0.0059	12.93	2,192	0.0057	12.48	-0.45	-3.51%	2.63%	2.67%
Retail Transmission Rate – Line and Transformation Connection \$	2,192	0.0038	8.33	2,192	0.0045	9.81	1.48	17.74%	2.07%	2.10%
Sub-Total: Retail Transmission			21.26			22.29	1.02	4.81%	4.69%	4.77%
Sub-Total: Delivery (based on two-tier RPP prices)			186.28			194.59	8.30	4.46%	40.98%	41.68%
Sub-Total: Delivery (based on TOU prices)			184.44			192.74	8.30	4.50%	40.59%	41.28%
Wholesale Market Service Rate	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.66%	1.69%
Rural Rate Protection Charge	2,192	0.0021	4.60	2,192	0.0021	4.60	0.00	0.00%	0.97%	0.99%
Ontario Electricity Support Program Charge	2,192	0.0011	2.41	2,192	0.0011	2.41	0.00	0.00%	0.51%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.16			15.16	0.00	0.00%	3.19%	3.25%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.95%	3.00%
Total Electricity Charge on Two-Tier RPP			443.94			452.24	8.30	1.87%	95.24%	
HST		0.13	57.71		0.13	58.79	1.08	1.87%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			501.65			511.04	9.38	1.87%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.52		-0.08	-36.18	-0.66	-1.87%	-7.62%	
Total Amount on Two-Tier RPP			466.14			474.86	8.72	1.87%	100.00%	
Total Electricity Charge on TOU (before HST)			436.37			444.68	8.30	1.90%		95.24%
HST		0.13	56.73		0.13	57.81	1.08	1.90%		12.38%
Total Electricity Charge on TOU (including HST)			493.10			502.49	9.38	1.90%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-34.91		-0.08	-35.57	-0.66	-1.90%		-7.62%
Total Amount on TOU			458.19			466.91	8.72	1.90%		100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 23 of 45

Rate Class	GSe
Monthly Consumption (kWh)	1982
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2172
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	16.41%	
Energy Second Tier (kWh)	1,232	0.121	149.07	1,232	0.121	149.07	0.00	0.00%	31.67%	
Sub-Total: Energy (RPP)			226.32			226.32	0.00	0.00%	48.08%	
TOU-Off Peak	1,288	0.087	112.08	1,288	0.087	112.08	0.00	0.00%		24.21%
TOU-Mid Peak	337	0.132	44.48	337	0.132	44.48	0.00	0.00%		9.61%
TOU-On Peak	357	0.180	64.22	357	0.180	64.22	0.00	0.00%		13.87%
Sub-Total: Energy (TOU)			220.77			220.77	0.00	0.00%	46.90%	47.68%
Service Charge	1	27.87	27.87	1	29.68	29.68	1.81	6.49%	6.30%	6.41%
Fixed Deferral/Variance Account Rider	1	0.73	0.73	1	0.00	0.00	-0.73	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,982	0.0560	110.99	1,982	0.0591	117.14	6.14	5.54%	24.88%	25.30%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,982	0.0002	0.40	1,982	0.0002	0.40	0.00	0.00%	0.08%	0.09%
Sub-Total: Distribution (excluding pass through)			139.99			147.21	7.22	5.16%	31.27%	31.80%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	190	0.12	23.02	190	0.12	23.02	0.00	0.00%	4.89%	4.97%
Line Losses on Cost of Power (based on TOU prices)	190	0.11	21.19	190	0.11	21.19	0.00	0.00%	4.50%	4.58%
Sub-Total: Distribution (based on two-tier RPP prices)			163.80			171.03	7.22	4.41%	36.33%	36.94%
Sub-Total: Distribution (based on TOU prices)			161.97			169.20	7.22	4.46%	35.94%	36.54%
Retail Transmission Rate – Network Service Rate	2,172	0.0059	12.82	2,172	0.0057	12.37	-0.45	-3.51%	2.63%	2.67%
Retail Transmission Rate – Line and Transformation Connection \$	2,172	0.0038	8.25	2,172	0.0045	9.72	1.46	17.74%	2.06%	2.10%
Sub-Total: Retail Transmission			21.07			22.09	1.01	4.81%	4.69%	4.77%
Sub-Total: Delivery (based on two-tier RPP prices)			184.87			193.11	8.24	4.46%	41.02%	41.71%
Sub-Total: Delivery (based on TOU prices)			183.04			191.28	8.24	4.50%	40.63%	41.31%
Wholesale Market Service Rate	2,172	0.0036	7.82	2,172	0.0036	7.82	0.00	0.00%	1.66%	1.69%
Rural Rate Protection Charge	2,172	0.0021	4.56	2,172	0.0021	4.56	0.00	0.00%	0.97%	0.99%
Ontario Electricity Support Program Charge	2,172	0.0011	2.39	2,172	0.0011	2.39	0.00	0.00%	0.51%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.02			15.02	0.00	0.00%	3.19%	3.24%
Debt Retirement Charge (DRC)	1,982	0.007	13.87	1,982	0.007	13.87	0.00	0.00%	2.95%	3.00%
Total Electricity Charge on Two-Tier RPP			440.09			448.33	8.24	1.87%	95.24%	
HST		0.13	57.21		0.13	58.28	1.07	1.87%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			497.30			506.61	9.31	1.87%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.21		-0.08	-35.87	-0.66	1.87%	-7.62%	
Total Amount on Two-Tier RPP			462.09			470.74	8.65	1.87%	100.00%	
Total Electricity Charge on TOU (before HST)			432.71			440.95	8.24	1.90%		95.24%
HST		0.13	56.25		0.13	57.32	1.07	1.90%	12.38%	
Total Electricity Charge on TOU (including HST)			488.97			498.28	9.31	1.90%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-34.62		-0.08	-35.28	-0.66	1.90%	-7.62%	
Total Amount on TOU			454.35			463.00	8.65	1.90%		100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 24 of 45

Rate Class	GSe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.24%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	50.07%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	52.31%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		25.77%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		10.22%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		14.76%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	48.52%	50.75%
Service Charge	1	27.87	27.87	1	29.68	29.68	1.81	6.49%	0.86%	0.90%
Fixed Deferral/Variance Account Rider	1	0.73	0.73	1	0.00	0.00	-0.73	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0560	840.00	15,000	0.0591	886.50	46.50	5.54%	25.74%	26.93%
Volumetric Deferral/Variance Account Rider (including CBR Class)	15,000	0.0002	3.00	15,000	0.0002	3.00	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			871.60			919.18	47.58	5.46%	26.69%	27.92%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.12	174.24	1,440	0.12	174.24	0.00	0.00%	5.06%	5.29%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.11	160.40	1,440	0.11	160.40	0.00	0.00%	4.66%	4.87%
Sub-Total: Distribution (based on two-tier RPP prices)			1,046.63			1,094.21	47.58	4.55%	31.77%	33.24%
Sub-Total: Distribution (based on TOU prices)			1,032.79			1,080.37	47.58	4.61%	31.37%	32.82%
Retail Transmission Rate – Network Service Rate	16,440	0.0059	97.00	16,440	0.0057	93.59	-3.40	-3.51%	2.72%	2.84%
Retail Transmission Rate – Line and Transformation Connection \$	16,440	0.0038	62.47	16,440	0.0045	73.55	11.08	17.74%	2.14%	2.23%
Sub-Total: Retail Transmission			159.47			167.15	7.68	4.81%	4.85%	5.08%
Sub-Total: Delivery (based on two-tier RPP prices)			1,206.10			1,261.36	55.26	4.58%	36.63%	38.31%
Sub-Total: Delivery (based on TOU prices)			1,192.26			1,247.52	55.26	4.63%	36.22%	37.89%
Wholesale Market Service Rate	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.72%	1.80%
Rural Rate Protection Charge	16,440	0.0021	34.52	16,440	0.0021	34.52	0.00	0.00%	1.00%	1.05%
Ontario Electricity Support Program Charge	16,440	0.0011	18.08	16,440	0.0011	18.08	0.00	0.00%	0.53%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			112.04			112.04	0.00	0.00%	3.25%	3.40%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.05%	3.19%
Total Electricity Charge on Two-Tier RPP			3,224.64			3,279.90	55.26	1.71%	95.24%	
HST		0.13	419.20		0.13	426.39	7.18	1.71%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,643.84			3,706.28	62.44	1.71%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-257.97		-0.08	-262.39	-4.42	-1.71%	-7.62%	
Total Amount on Two-Tier RPP			3,385.87			3,443.89	58.02	1.71%	100.00%	
Total Electricity Charge on TOU (before HST)			3,080.15			3,135.41	55.26	1.79%		95.24%
HST		0.13	400.42		0.13	407.60	7.18	1.79%		12.38%
Total Electricity Charge on TOU (including HST)			3,480.57			3,543.01	62.44	1.79%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-246.41		-0.08	-250.83	-4.42	-1.79%		-7.62%
Total Amount on TOU			3,234.16			3,292.18	58.02	1.79%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 25 of 45

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.103	1,622.25	15,750	0.103	1,622.25	0.00	0.00%	51.61%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,622.25			1,622.25	0.00	0.00%	51.61%
Service Charge	1	93.97	93.97	1	101.13	101.13	7.16	7.62%	3.22%
Fixed Deferral/Variance Account Rider	1	1.42	1.42	1	0.01	0.01	-1.41	-99.30%	0.00%
Distribution Volumetric Rate	60	9.0851	545.11	60	9.5977	575.86	30.76	5.64%	18.32%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	-0.0623	-3.74	60	0.0646	3.88	7.61	-203.69%	0.12%
Volumetric Global Adjustment Account Rider	15,750	-0.0010	-15.75	15,750	0.0019	29.93	45.68	-290.00%	0.95%
Sub-Total: Distribution			621.01			710.80	89.80	14.46%	22.61%
Retail Transmission Rate – Network Service Rate	60	2.1129	126.77	60	2.2310	133.86	7.09	5.59%	4.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.3901	83.41	60	1.7047	102.28	18.87	22.63%	3.25%
Sub-Total: Retail Transmission			210.18			236.14	25.96	12.35%	7.51%
Sub-Total: Delivery			831.19			946.95	115.76	13.93%	30.13%
Wholesale Market Service Rate	15,750	0.0036	56.70	15,750	0.0036	56.70	0.00	0.00%	1.80%
Rural Rate Protection Charge	15,750	0.0021	33.08	15,750	0.0021	33.08	0.00	0.00%	1.05%
Ontario Electricity Support Program Charge	15,750	0.0011	17.33	15,750	0.0011	17.33	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			107.35			107.35	0.00	0.00%	3.42%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.34%
Total Electricity Charge on Two-Tier RPP (before HST)			2,665.79			2,781.55	115.76	4.34%	88.50%
HST		0.13	346.55		0.13	361.60	15.05	4.34%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,012.34			3,143.15	130.81	4.34%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,012.34			3,143.15	130.81	4.34%	100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 26 of 45

Rate Class	UGd
Monthly Consumption (kWh)	50,525
Peak (kW)	135
Loss factor	1.050
Load factor	51%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	53,051
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	53,051	0.103	5,464.28	53,051	0.103	5,464.28	0.00	0.00%	58.85%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,464.28			5,464.28	0.00	0.00%	58.85%
Service Charge	1	93.97	93.97	1	101.13	101.13	7.16	7.62%	1.09%
Fixed Deferral/Variance Account Rider	1	1.42	1.42	1	0.01	0.01	-1.41	-99.30%	0.00%
Distribution Volumetric Rate	135	9.0851	1,226.49	135	9.5977	1,295.69	69.20	5.64%	13.95%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	135	-0.0623	-8.41	135	0.0646	8.72	17.13	-203.69%	0.09%
Volumetric Global Adjustment Account Rider	53,051	-0.0010	-53.05	53,051	0.0019	100.80	153.85	-290.00%	1.09%
Sub-Total: Distribution			1,260.42			1,506.35	245.93	19.51%	16.22%
Retail Transmission Rate – Network Service Rate	135	2.1129	285.24	135	2.2310	301.19	15.95	5.59%	3.24%
Retail Transmission Rate – Line and Transformation Connection Service Rate	135	1.3901	187.66	135	1.7047	230.13	42.47	22.63%	2.48%
Sub-Total: Retail Transmission			472.91			531.32	58.42	12.35%	5.72%
Sub-Total: Delivery			1,733.32			2,037.67	304.35	17.56%	21.95%
Wholesale Market Service Rate	53,051	0.0036	190.98	53,051	0.0036	190.98	0.00	0.00%	2.06%
Rural Rate Protection Charge	53,051	0.0021	111.41	53,051	0.0021	111.41	0.00	0.00%	1.20%
Ontario Electricity Support Program Charge	53,051	0.0011	58.36	53,051	0.0011	58.36	0.00	0.00%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			361.00			361.00	0.00	0.00%	3.89%
Debt Retirement Charge (DRC)	50,525	0.007	353.68	50,525	0.007	353.68	0.00	0.00%	3.81%
Total Electricity Charge on Two-Tier RPP (before HST)			7,912.27			8,216.62	304.35	3.85%	88.50%
HST		0.13	1,028.60		0.13	1,068.16	39.57	3.85%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			8,940.87			9,284.78	343.91	3.85%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			8,940.87			9,284.78	343.91	3.85%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 27 of 45

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.103	18,926.25	183,750	0.103	18,926.25	0.00	0.00%	58.46%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,926.25			18,926.25	0.00	0.00%	58.46%
Service Charge	1	93.97	93.97	1	101.13	101.13	7.16	7.62%	0.31%
Fixed Deferral/Variance Account Rider	1	1.42	1.42	1	0.01	0.01	-1.41	-99.30%	0.00%
Distribution Volumetric Rate	500	9.0851	4,542.55	500	9.5977	4,798.85	256.30	5.64%	14.82%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	-0.0623	-31.15	500	0.0646	32.30	63.45	-203.69%	0.10%
Volumetric Global Adjustment Account Rider	183,750	-0.0010	-183.75	183,750	0.0019	349.13	532.88	-290.00%	1.08%
Sub-Total: Distribution			4,423.04			5,281.42	858.37	19.41%	16.31%
Retail Transmission Rate – Network Service Rate	500	2.1129	1,056.45	500	2.2310	1,115.52	59.07	5.59%	3.45%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.3901	695.05	500	1.7047	852.34	157.29	22.63%	2.63%
Sub-Total: Retail Transmission			1,751.50			1,967.86	216.36	12.35%	6.08%
Sub-Total: Delivery			6,174.54			7,249.27	1,074.73	17.41%	22.39%
Wholesale Market Service Rate	183,750	0.0036	661.50	183,750	0.0036	661.50	0.00	0.00%	2.04%
Rural Rate Protection Charge	183,750	0.0021	385.88	183,750	0.0021	385.88	0.00	0.00%	1.19%
Ontario Electricity Support Program Charge	183,750	0.0011	202.13	183,750	0.0011	202.13	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,249.75			1,249.75	0.00	0.00%	3.86%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.78%
Total Electricity Charge on Two-Tier RPP (before HST)			27,575.54			28,650.27	1,074.73	3.90%	88.50%
HST		0.13	3,584.82		0.13	3,724.54	139.72	3.90%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			31,160.36			32,374.81	1,214.45	3.90%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			31,160.36			32,374.81	1,214.45	3.90%	100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 28 of 45

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.103	1,639.25	15,915	0.103	1,639.25	0.00	0.00%	45.74%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,639.25			1,639.25	0.00	0.00%	45.74%
Service Charge	1	89.48	89.48	1	102.93	102.93	13.45	15.03%	2.87%
Fixed Deferral/Variance Account Rider	1	1.37	1.37	1	-0.02	-0.02	-1.39	-101.46%	0.00%
Distribution Volumetric Rate	60	15.9121	954.73	60	16.7653	1,005.92	51.19	5.36%	28.07%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0428	2.57	60	0.0470	2.82	0.25	9.81%	0.08%
Volumetric Global Adjustment Account Rider	15,915	-0.0010	-15.92	15,915	0.0019	30.24	46.15	-290.00%	0.84%
Sub-Total: Distribution			1,032.23			1,141.89	109.66	10.62%	31.86%
Retail Transmission Rate – Network Service Rate	60	1.7027	102.16	60	1.6718	100.31	-1.85	-1.81%	2.80%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.1398	68.39	60	1.2769	76.61	8.23	12.03%	2.14%
Sub-Total: Retail Transmission			170.55			176.92	6.37	3.74%	4.94%
Sub-Total: Delivery			1,202.78			1,318.81	116.03	9.65%	36.80%
Wholesale Market Service Rate	15,915	0.0036	57.29	15,915	0.0036	57.29	0.00	0.00%	1.60%
Rural Rate Protection Charge	15,915	0.0021	33.42	15,915	0.0021	33.42	0.00	0.00%	0.93%
Ontario Electricity Support Program Charge	15,915	0.0011	17.51	15,915	0.0011	17.51	0.00	0.00%	0.49%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.47			108.47	0.00	0.00%	3.03%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.93%
Total Electricity Charge on Two-Tier RPP (before HST)			3,055.50			3,171.53	116.03	3.80%	88.50%
HST		0.13	397.21		0.13	412.30	15.08	3.80%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,452.71			3,583.83	131.12	3.80%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,452.71			3,583.83	131.12	3.80%	100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 29 of 45

Rate Class	GSd
Monthly Consumption (kWh)	36,104
Peak (kW)	124
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	38,306
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	38,306	0.103	3,945.55	38,306	0.103	3,945.55	0.00	0.00%	49.28%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,945.55			3,945.55	0.00	0.00%	49.28%
Service Charge	1	89.48	89.48	1	102.93	102.93	13.45	15.03%	1.29%
Fixed Deferral/Variance Account Rider	1	1.37	1.37	1	-0.02	-0.02	-1.39	-101.46%	0.00%
Distribution Volumetric Rate	124	15.9121	1,973.10	124	16.7653	2,078.90	105.80	5.36%	25.97%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	124	0.0428	5.31	124	0.0470	5.83	0.52	9.81%	0.07%
Volumetric Global Adjustment Account Rider	38,306	-0.0010	-38.31	38,306	0.0019	72.78	111.09	-290.00%	0.91%
Sub-Total: Distribution			2,030.95			2,260.42	229.47	11.30%	28.23%
Retail Transmission Rate – Network Service Rate	124	1.7027	211.13	124	1.6718	207.31	-3.83	-1.81%	2.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	124	1.1398	141.34	124	1.2769	158.34	17.00	12.03%	1.98%
Sub-Total: Retail Transmission			352.47			365.64	13.17	3.74%	4.57%
Sub-Total: Delivery			2,383.42			2,626.06	242.64	10.18%	32.80%
Wholesale Market Service Rate	38,306	0.0036	137.90	38,306	0.0036	137.90	0.00	0.00%	1.72%
Rural Rate Protection Charge	38,306	0.0021	80.44	38,306	0.0021	80.44	0.00	0.00%	1.00%
Ontario Electricity Support Program Charge	38,306	0.0011	42.14	38,306	0.0011	42.14	0.00	0.00%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			260.73			260.73	0.00	0.00%	3.26%
Debt Retirement Charge (DRC)	36,104	0.007	252.73	36,104	0.007	252.73	0.00	0.00%	3.16%
Total Electricity Charge on Two-Tier RPP (before HST)			6,842.44			7,085.07	242.64	3.55%	88.50%
HST		0.13	889.52		0.13	921.06	31.54	3.55%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			7,731.95			8,006.13	274.18	3.55%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			7,731.95			8,006.13	274.18	3.55%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 30 of 45

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.103	19,124.53	185,675	0.103	19,124.53	0.00	0.00%	52.97%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,124.53			19,124.53	0.00	0.00%	52.97%
Service Charge	1	89.48	89.48	1	102.93	102.93	13.45	15.03%	0.29%
Fixed Deferral/Variance Account Rider	1	1.37	1.37	1	-0.02	-0.02	-1.39	-101.46%	0.00%
Distribution Volumetric Rate	500	15.9121	7,956.05	500	16.7653	8,382.65	426.60	5.36%	23.22%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0428	21.40	500	0.0470	23.50	2.10	9.81%	0.07%
Volumetric Global Adjustment Account Rider	185,675	-0.0010	-185.68	185,675	0.0019	352.78	538.46	-290.00%	0.98%
Sub-Total: Distribution			7,882.63			8,861.84	979.22	12.42%	24.55%
Retail Transmission Rate – Network Service Rate	500	1.7027	851.35	500	1.6718	835.91	-15.44	-1.81%	2.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.1398	569.90	500	1.2769	638.46	68.56	12.03%	1.77%
Sub-Total: Retail Transmission			1,421.25			1,474.37	53.12	3.74%	4.08%
Sub-Total: Delivery			9,303.88			10,336.21	1,032.33	11.10%	28.63%
Wholesale Market Service Rate	185,675	0.0036	668.43	185,675	0.0036	668.43	0.00	0.00%	1.85%
Rural Rate Protection Charge	185,675	0.0021	389.92	185,675	0.0021	389.92	0.00	0.00%	1.08%
Ontario Electricity Support Program Charge	185,675	0.0011	204.24	185,675	0.0011	204.24	0.00	0.00%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,262.84			1,262.84	0.00	0.00%	3.50%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.39%
Total Electricity Charge on Two-Tier RPP (before HST)			30,916.24			31,948.57	1,032.33	3.34%	88.50%
HST		0.13	4,019.11		0.13	4,153.31	134.20	3.34%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			34,935.35			36,101.89	1,166.54	3.34%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			34,935.35			36,101.89	1,166.54	3.34%	100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 31 of 45

Rate Class	DGEN
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.103	32.78	318	0.103	32.78	0.00	0.00%	9.40%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			32.78			32.78	0.00	0.00%	9.40%
Service Charge	1	149.34	149.34	1	198.03	198.03	48.69	32.60%	56.81%
Fixed Deferral/Variance Account Rider	1	2.72	2.72	1	0.01	0.01	-2.71	-99.63%	0.00%
Distribution Volumetric Rate	10	6.9518	69.52	10	6.0592	60.59	-8.93	-12.84%	17.38%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10	0.0633	0.63	10	0.0172	0.17	-0.46	-72.83%	0.05%
Volumetric Global Adjustment Account Rider	318	-0.0010	-0.32	318	0.0019	0.60	0.92	-290.00%	0.17%
Sub-Total: Distribution			221.89			259.41	37.52	16.91%	74.41%
Retail Transmission Rate – Network Service Rate	10	0.5549	5.55	10	0.6311	6.31	0.76	13.73%	1.81%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3553	3.55	10	0.5475	5.47	1.92	54.09%	1.57%
Sub-Total: Retail Transmission			9.10			11.79	2.68	29.48%	3.38%
Sub-Total: Delivery			230.99			271.19	40.20	17.40%	77.80%
Wholesale Market Service Rate	318	0.0036	1.15	318	0.0036	1.15	0.00	0.00%	0.33%
Rural Rate Protection Charge	318	0.0021	0.67	318	0.0021	0.67	0.00	0.00%	0.19%
Ontario Electricity Support Program Charge	318	0.0011	0.35	318	0.0011	0.35	0.00	0.00%	0.10%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%
Sub-Total: Regulatory			2.41			2.41	0.00	0.00%	0.69%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.60%
Total Electricity Charge on Two-Tier RPP (before HST)			268.29			308.49	40.20	14.98%	88.50%
HST		0.13	34.88		0.13	40.10	5.23	14.98%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			303.17			348.60	45.43	14.98%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			303.17			348.60	45.43	14.98%	100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 32 of 45

Rate Class	DGEN
Monthly Consumption (kWh)	1,328
Peak (kW)	13
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,409
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,409	0.103	145.13	1,409	0.103	145.13	0.00	0.00%	27.96%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			145.13			145.13	0.00	0.00%	27.96%
Service Charge	1	149.34	149.34	1	198.03	198.03	48.69	32.60%	38.16%
Fixed Deferral/Variance Account Rider	1	2.72	2.72	1	0.01	0.01	-2.71	-99.63%	0.00%
Distribution Volumetric Rate	13	6.9518	90.37	13	6.0592	78.77	-11.60	-12.84%	15.18%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	13	0.0633	0.82	13	0.0172	0.22	-0.60	-72.83%	0.04%
Volumetric Global Adjustment Account Rider	1,409	-0.0010	-1.41	1,409	0.0019	2.68	4.09	-290.00%	0.52%
Sub-Total: Distribution			241.85			279.71	37.86	15.66%	53.89%
Retail Transmission Rate – Network Service Rate	13	0.5549	7.21	13	0.6311	8.20	0.99	13.73%	1.58%
Retail Transmission Rate – Line and Transformation Connection Service Rate	13	0.3553	4.62	13	0.5475	7.12	2.50	54.09%	1.37%
Sub-Total: Retail Transmission			11.83			15.32	3.49	29.48%	2.95%
Sub-Total: Delivery			253.68			295.03	41.35	16.30%	56.85%
Wholesale Market Service Rate	1,409	0.0036	5.07	1,409	0.0036	5.07	0.00	0.00%	0.98%
Rural Rate Protection Charge	1,409	0.0021	2.96	1,409	0.0021	2.96	0.00	0.00%	0.57%
Ontario Electricity Support Program Charge	1,409	0.0011	1.55	1,409	0.0011	1.55	0.00	0.00%	0.30%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			9.83			9.83	0.00	0.00%	1.89%
Debt Retirement Charge (DRC)	1,328	0.007	9.30	1,328	0.007	9.30	0.00	0.00%	1.79%
Total Electricity Charge on Two-Tier RPP (before HST)			417.93			459.29	41.35	9.89%	88.50%
HST		0.13	54.33		0.13	59.71	5.38	9.89%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			472.27			518.99	46.73	9.89%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			472.27			518.99	46.73	9.89%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 33 of 45

Rate Class	DGEN
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.103	546.42	5,305	0.103	546.42	0.00	0.00%	31.17%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			546.42			546.42	0.00	0.00%	31.17%
Service Charge	1	149.34	149.34	1	198.03	198.03	48.69	32.60%	11.30%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	6.9518	695.18	100	6.0592	605.92	-89.26	-12.84%	34.56%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0633	6.33	100	0.0172	1.72	-4.61	-72.83%	0.10%
Volumetric Global Adjustment Account Rider	5,305	-0.0010	-5.31	5,305	0.0019	10.08	15.38	-290.00%	0.57%
Sub-Total: Distribution			848.27			815.76	-32.51	-3.83%	46.53%
Retail Transmission Rate – Network Service Rate	100	0.5549	55.49	100	0.6311	63.11	7.62	13.73%	3.60%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3553	35.53	100	0.5475	54.75	19.22	54.09%	3.12%
Sub-Total: Retail Transmission			91.02			117.86	26.84	29.48%	6.72%
Sub-Total: Delivery			939.29			933.62	-5.67	-0.60%	53.26%
Wholesale Market Service Rate	5,305	0.0036	19.10	5,305	0.0036	19.10	0.00	0.00%	1.09%
Rural Rate Protection Charge	5,305	0.0021	11.14	5,305	0.0021	11.14	0.00	0.00%	0.64%
Ontario Electricity Support Program Charge	5,305	0.0011	5.84	5,305	0.0011	5.84	0.00	0.00%	0.33%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			36.32			36.32	0.00	0.00%	2.07%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.00%
Total Electricity Charge on Two-Tier RPP (before HST)			1,557.02			1,551.35	-5.67	-0.36%	88.50%
HST		0.13	202.41		0.13	201.68	-0.74	-0.36%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			1,759.44			1,753.03	-6.41	-0.36%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			1,759.44			1,753.03	-6.41	-0.36%	100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 34 of 45

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.103	21,300.40	206,800	0.103	21,300.40	0.00	0.00%	63.80%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			21,300.40			21,300.40	0.00	0.00%	63.80%
Service Charge	1	1256.56	1,256.56	1	1204.08	1,204.08	-52.48	-4.18%	3.61%
Fixed Deferral/Variance Account Rider	1	11.86	11.86	1	3.83	3.83	-8.03	-67.71%	0.01%
Distribution Volumetric Rate	500	1.2052	602.60	500	1.315307	657.65	55.05	9.14%	1.97%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.3126	156.30	500	0.2729	136.45	-19.85	-12.70%	0.41%
Volumetric Global Adjustment Account Rider	206,800	-0.0010	-206.80	206,800	0.0019	392.92	599.72	-290.00%	1.18%
Sub-Total: Distribution			1,820.52			2,394.93	574.41	31.55%	7.17%
Retail Transmission Rate – Network Service Rate	500	3.3028	1,651.40	500	3.4866	1,743.32	91.92	5.57%	5.22%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6060	1,303.00	500	2.6022	1,301.08	-1.92	-0.15%	3.90%
Sub-Total: Retail Transmission			2,954.40			3,044.41	90.01	3.05%	9.12%
Sub-Total: Delivery			4,774.92			5,439.34	664.42	13.91%	16.29%
Wholesale Market Service Rate	206,800	0.0036	744.48	206,800	0.0036	744.48	0.00	0.00%	2.23%
Rural Rate Protection Charge	206,800	0.0021	434.28	206,800	0.0021	434.28	0.00	0.00%	1.30%
Ontario Electricity Support Program Charge	206,800	0.0011	227.48	206,800	0.0011	227.48	0.00	0.00%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,406.49			1,406.49	0.00	0.00%	4.21%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.19%
Total Electricity Charge on Two-Tier RPP (before HST)			28,881.81			29,546.23	664.42	2.30%	88.50%
HST		0.13	3,754.64		0.13	3,841.01	86.37	2.30%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			32,636.45			33,387.24	750.79	2.30%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			32,636.45			33,387.24	750.79	2.30%	100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 35 of 45

Rate Class	ST
Monthly Consumption (kWh)	1,601,036
Peak (kW)	3,091
Loss factor	1.034
Load factor	71%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,655,471
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,655,471	0.103	170,513.54	1,655,471	0.103	170,513.54	0.00	0.00%	68.26%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			170,513.54			170,513.54	0.00	0.00%	68.26%
Service Charge	1	1256.56	1,256.56	1	1204.08	1,204.08	-52.48	-4.18%	0.48%
Fixed Deferral/Variance Account Rider	1	11.86	11.86	1	3.83	3.83	-8.03	-67.71%	0.00%
Distribution Volumetric Rate	3,091	1.2052	3,725.27	3,091	1.315307	4,065.61	340.34	9.14%	1.63%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	3,091	0.3126	966.25	3,091	0.2729	843.53	-122.71	-12.70%	0.34%
Volumetric Global Adjustment Account Rider	1,655,471	-0.0010	-1,655.47	1,655,471	0.0019	3,145.40	4,800.87	-290.00%	1.26%
Sub-Total: Distribution			4,304.47			9,262.45	4,957.98	115.18%	3.71%
Retail Transmission Rate – Network Service Rate	3,091	3.3028	10,208.95	3,091	3.4866	10,777.23	568.27	5.57%	4.31%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,091	2.6060	8,055.15	3,091	2.6022	8,043.29	-11.86	-0.15%	3.22%
Sub-Total: Retail Transmission			18,264.10			18,820.52	556.42	3.05%	7.53%
Sub-Total: Delivery			22,568.57			28,082.97	5,514.40	24.43%	11.24%
Wholesale Market Service Rate	1,655,471	0.0036	5,959.70	1,655,471	0.0036	5,959.70	0.00	0.00%	2.39%
Rural Rate Protection Charge	1,655,471	0.0021	3,476.49	1,655,471	0.0021	3,476.49	0.00	0.00%	1.39%
Ontario Electricity Support Program Charge	1,655,471	0.0011	1,821.02	1,655,471	0.0011	1,821.02	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			11,257.45			11,257.45	0.00	0.00%	4.51%
Debt Retirement Charge (DRC)	1,601,036	0.007	11,207.25	1,601,036	0.007	11,207.25	0.00	0.00%	4.49%
Total Electricity Charge on Two-Tier RPP (before HST)			215,546.81			221,061.21	5,514.40	2.56%	88.50%
HST		0.13	28,021.09		0.13	28,737.96	716.87	2.56%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			243,567.90			249,799.17	6,231.28	2.56%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			243,567.90			249,799.17	6,231.28	2.56%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 36 of 45

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.103	426,008.00	4,136,000	0.103	426,008.00	0.00	0.00%	66.38%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			426,008.00			426,008.00	0.00	0.00%	66.38%
Service Charge	1	1256.56	1,256.56	1	1204.08	1,204.08	-52.48	-4.18%	0.19%
Fixed Deferral/Variance Account Rider	1	11.86	11.86	1	3.83	3.83	-8.03	-67.71%	0.00%
Distribution Volumetric Rate	10,000	1.2052	12,052.00	10,000	1.315307	13,153.07	1,101.07	9.14%	2.05%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0.3126	3,126.00	10,000	0.2729	2,729.00	-397.00	-12.70%	0.43%
Volumetric Global Adjustment Account Rider	4,136,000	-0.0010	-4,136.00	4,136,000	0.0019	7,858.40	11,994.40	-290.00%	1.22%
Sub-Total: Distribution			12,310.42			24,948.38	12,637.96	102.66%	3.89%
Retail Transmission Rate – Network Service Rate	10,000	3.3028	33,028.00	10,000	3.4866	34,866.48	1,838.48	5.57%	5.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6060	26,060.00	10,000	2.6022	26,021.64	-38.36	-0.15%	4.05%
Sub-Total: Retail Transmission			59,088.00			60,888.12	1,800.12	3.05%	9.49%
Sub-Total: Delivery			71,398.42			85,836.50	14,438.08	20.22%	13.37%
Wholesale Market Service Rate	4,136,000	0.0036	14,889.60	4,136,000	0.0036	14,889.60	0.00	0.00%	2.32%
Rural Rate Protection Charge	4,136,000	0.0021	8,685.60	4,136,000	0.0021	8,685.60	0.00	0.00%	1.35%
Ontario Electricity Support Program Charge	4,136,000	0.0011	4,549.60	4,136,000	0.0011	4,549.60	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			28,125.05			28,125.05	0.00	0.00%	4.38%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.36%
Total Electricity Charge on Two-Tier RPP (before HST)			553,531.47			567,969.55	14,438.08	2.61%	88.50%
HST		0.13	71,959.09		0.13	73,836.04	1,876.95	2.61%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			625,490.56			641,805.60	16,315.04	2.61%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			625,490.56			641,805.60	16,315.04	2.61%	100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 37 of 45

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	18.92%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	18.92%
Service Charge	1	35.18	35.18	1	35.1	35.10	-0.08	-0.23%	64.46%
Fixed Deferral/Variance Account Rider	1	0.51	0.51	1	-0.01	-0.01	-0.52	-101.96%	-0.02%
Distribution Volumetric Rate	100	0.0285	2.85	100	0.0287	2.87	0.02	0.70%	5.27%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	-0.0001	-0.01	100	0.0002	0.02	0.03	-300.00%	0.04%
Sub-Total: Distribution (excluding pass through)			38.53			37.98	-0.55	-1.43%	69.75%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	1.74%
Sub-Total: Distribution			39.48			38.93	-0.55	-1.39%	71.49%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0048	0.52	0.01	1.49%	0.96%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0031	0.34	109	0.0038	0.41	0.08	22.42%	0.76%
Sub-Total: Retail Transmission			0.85			0.94	0.08	9.81%	1.72%
Sub-Total: Delivery			40.33			39.86	-0.47	-1.16%	73.21%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	0.72%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.42%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.22%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.46%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	1.82%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.29%
Total Electricity Charge on Two-Tier RPP (before HST)			52.32			51.86	-0.47	-0.89%	95.24%
HST		0.13	6.80		0.13	6.74	-0.06	-0.89%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			59.12			58.60	-0.53	-0.89%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.19		-0.08	-4.15	0.04	-0.89%	-7.62%
Total Amount on Two-Tier RPP			54.94			54.45	-0.49	-0.89%	100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 38 of 45

Rate Class	USL
Monthly Consumption (kWh)	364
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	397
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	364	0.103	37.49	364	0.103	37.49	0.00	0.00%	37.41%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			37.49			37.49	0.00	0.00%	37.41%
Service Charge	1	35.18	35.18	1	35.1	35.10	-0.08	-0.23%	35.02%
Fixed Deferral/Variance Account Rider	1	0.51	0.51	1	-0.01	-0.01	-0.52	-101.96%	-0.01%
Distribution Volumetric Rate	364	0.0285	10.37	364	0.0287	10.45	0.07	0.70%	10.42%
Volumetric Deferral/Variance Account Rider (including CBR Class	364	-0.0001	-0.04	364	0.0002	0.07	0.11	-300.00%	0.07%
Sub-Total: Distribution (excluding pass through)			46.03			45.61	-0.42	-0.91%	45.51%
Line Losses on Cost of Power	33	0.10	3.45	33	0.10	3.45	0.00	0.00%	3.44%
Sub-Total: Distribution			49.48			49.06	-0.42	-0.84%	48.95%
Retail Transmission Rate – Network Service Rate	397	0.0047	1.87	397	0.0048	1.90	0.03	1.49%	1.89%
Retail Transmission Rate – Line and Transformation Connection S	397	0.0031	1.23	397	0.0038	1.51	0.28	22.42%	1.51%
Sub-Total: Retail Transmission			3.10			3.40	0.30	9.81%	3.40%
Sub-Total: Delivery			52.58			52.46	-0.11	-0.22%	52.34%
Wholesale Market Service Rate	397	0.0036	1.43	397	0.0036	1.43	0.00	0.00%	1.43%
Rural Rate Protection Charge	397	0.0021	0.83	397	0.0021	0.83	0.00	0.00%	0.83%
Ontario Electricity Support Program Charge	397	0.0011	0.44	397	0.0011	0.44	0.00	0.00%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.25%
Sub-Total: Regulatory			2.95			2.95	0.00	0.00%	2.95%
Debt Retirement Charge (DRC)	364	0.007	2.55	364	0.007	2.55	0.00	0.00%	2.54%
Total Electricity Charge on Two-Tier RPP (before HST)			95.57			95.46	-0.11	-0.12%	95.24%
HST		0.13	12.42		0.13	12.41	-0.01	-0.12%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			107.99			107.87	-0.13	-0.12%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.65		-0.08	-7.64	0.01	-0.12%	-7.62%
Total Amount on Two-Tier RPP			100.35			100.23	-0.12	-0.12%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 39 of 45

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	35.60%
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	13.94%
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	49.54%
Service Charge	1	35.18	35.18	1	35.1	35.10	-0.08	-0.23%	16.18%
Fixed Deferral/Variance Account Rider	1	0.51	0.51	1	-0.01	-0.01	-0.52	-101.96%	0.00%
Distribution Volumetric Rate	1,000	0.0285	28.50	1,000	0.0287	28.70	0.20	0.70%	13.23%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	-0.0001	-0.10	1,000	0.0002	0.20	0.30	-300.00%	0.09%
Sub-Total: Distribution (excluding pass through)			64.09			63.99	-0.10	-0.16%	29.49%
Line Losses on Cost of Power	92	0.12	11.13	92	0.12	11.13	0.00	0.00%	5.13%
Sub-Total: Distribution			75.22			75.12	-0.10	-0.13%	34.62%
Retail Transmission Rate – Network Service Rate	1,092	0.0047	5.13	1,092	0.0048	5.21	0.08	1.49%	2.40%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.0031	3.39	1,092	0.0038	4.14	0.76	22.42%	1.91%
Sub-Total: Retail Transmission			8.52			9.35	0.84	9.81%	4.31%
Sub-Total: Delivery			83.74			84.47	0.74	0.88%	38.93%
Wholesale Market Service Rate	1,092	0.0036	3.93	1,092	0.0036	3.93	0.00	0.00%	1.81%
Rural Rate Protection Charge	1,092	0.0021	2.29	1,092	0.0021	2.29	0.00	0.00%	1.06%
Ontario Electricity Support Program Charge	1,092	0.0011	1.20	1,092	0.0011	1.20	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%
Sub-Total: Regulatory			7.68			7.68	0.00	0.00%	3.54%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.23%
Total Electricity Charge on Two-Tier RPP (before HST)			205.92			206.65	0.74	0.36%	95.24%
HST		0.13	26.77		0.13	26.86	0.10	0.36%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			232.68			233.52	0.83	0.36%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.47		-0.08	-16.53	-0.06	0.36%	-7.62%
Total Amount on Two-Tier RPP			216.21			216.98	0.77	0.36%	100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 40 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	21.84
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.103	2.06	20	0.103	2.06	0.00	0.00%	23.23%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2.06			2.06	0.00	0.00%	23.23%
Service Charge	1	2.71	2.71	1	3.1	3.10	0.39	14.39%	34.95%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0	0.00	-0.05	-100.00%	0.00%
Distribution Volumetric Rate	20	0.1178	2.36	20	0.1180	2.36	0.00	0.17%	26.61%
Volumetric Deferral/Variance Account Rider (including CBR Class	20	0.0009	0.02	20	0.0001	0.00	-0.02	-88.89%	0.02%
Sub-Total: Distribution (excluding pass through)			5.13			5.46	0.33	6.39%	61.59%
Line Losses on Cost of Power	2	0.10	0.19	2	0.10	0.19	0.00	0.00%	2.14%
Sub-Total: Distribution			5.32			5.65	0.33	6.16%	63.72%
Retail Transmission Rate – Network Service Rate	22	0.0045	0.10	22	0.0047	0.10	0.00	4.40%	1.16%
Retail Transmission Rate – Line and Transformation Connection S	22	0.0027	0.06	22	0.0043	0.09	0.03	58.89%	1.06%
Sub-Total: Retail Transmission			0.16			0.20	0.04	24.83%	2.21%
Sub-Total: Delivery			5.48			5.85	0.37	6.70%	65.94%
Wholesale Market Service Rate	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.89%
Rural Rate Protection Charge	22	0.0021	0.05	22	0.0021	0.05	0.00	0.00%	0.52%
Ontario Electricity Support Program Charge	22	0.0011	0.02	22	0.0011	0.02	0.00	0.00%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.82%
Sub-Total: Regulatory			0.40			0.40	0.00	0.00%	4.49%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.58%
Total Electricity Charge on Two-Tier RPP (before HST)			8.08			8.45	0.37	4.54%	95.24%
HST		0.13	1.05		0.13	1.10	0.05	4.54%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			9.13			9.54	0.41	4.54%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-0.65		-0.08	-0.68	-0.03	4.54%	-7.62%
Total Amount on Two-Tier RPP			8.48			8.87	0.39	4.54%	100.00%

2018 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 41 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	71
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	78
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	71	0.103	7.31	71	0.103	7.31	0.00	0.00%	32.48%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.31			7.31	0.00	0.00%	32.48%
Service Charge	1	2.71	2.71	1	3.1	3.10	0.39	14.39%	13.77%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0	0.00	-0.05	-100.00%	0.00%
Distribution Volumetric Rate	71	0.1178	8.36	71	0.1180	8.38	0.01	0.17%	37.21%
Volumetric Deferral/Variance Account Rider (including CBR Class	71	0.0009	0.06	71	0.0001	0.01	-0.06	-88.89%	0.03%
Sub-Total: Distribution (excluding pass through)			11.19			11.49	0.30	2.66%	51.01%
Line Losses on Cost of Power	7	0.10	0.67	7	0.10	0.67	0.00	0.00%	2.99%
Sub-Total: Distribution			11.86			12.16	0.30	2.51%	54.00%
Retail Transmission Rate – Network Service Rate	78	0.0045	0.35	78	0.0047	0.36	0.02	4.40%	1.62%
Retail Transmission Rate – Line and Transformation Connection S	78	0.0027	0.21	78	0.0043	0.33	0.12	58.89%	1.48%
Sub-Total: Retail Transmission			0.56			0.70	0.14	24.83%	3.10%
Sub-Total: Delivery			12.42			12.85	0.44	3.51%	57.10%
Wholesale Market Service Rate	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.24%
Rural Rate Protection Charge	78	0.0021	0.16	78	0.0021	0.16	0.00	0.00%	0.72%
Ontario Electricity Support Program Charge	78	0.0011	0.09	78	0.0011	0.09	0.00	0.00%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.11%
Sub-Total: Regulatory			0.78			0.78	0.00	0.00%	3.45%
Debt Retirement Charge (DRC)	71	0.007	0.50	71	0.007	0.50	0.00	0.00%	2.21%
Total Electricity Charge on Two-Tier RPP (before HST)			21.01			21.44	0.44	2.08%	95.24%
HST		0.13	2.73		0.13	2.79	0.06	2.08%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			23.74			24.23	0.49	2.08%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.68		-0.08	-1.72	-0.03	2.08%	-7.62%
Total Amount on Two-Tier RPP			22.06			22.51	0.46	2.08%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 42 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218.4
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.103	20.60	200	0.103	20.60	0.00	0.00%	36.12%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			20.60			20.60	0.00	0.00%	36.12%
Service Charge	1	2.71	2.71	1	3.1	3.10	0.39	14.39%	5.44%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0	0.00	-0.05	-100.00%	0.00%
Distribution Volumetric Rate	200	0.1178	23.56	200	0.1180	23.60	0.04	0.17%	41.38%
Volumetric Deferral/Variance Account Rider (including CBR Class	200	0.0009	0.18	200	0.0001	0.02	-0.16	-88.89%	0.04%
Sub-Total: Distribution (excluding pass through)			26.50			26.72	0.22	0.83%	46.85%
Line Losses on Cost of Power	18	0.10	1.90	18	0.10	1.90	0.00	0.00%	3.32%
Sub-Total: Distribution			28.40			28.62	0.22	0.77%	50.18%
Retail Transmission Rate – Network Service Rate	218	0.0045	0.98	218	0.0047	1.03	0.04	4.40%	1.80%
Retail Transmission Rate – Line and Transformation Connection S	218	0.0027	0.59	218	0.0043	0.94	0.35	58.89%	1.64%
Sub-Total: Retail Transmission			1.57			1.96	0.39	24.83%	3.44%
Sub-Total: Delivery			29.97			30.58	0.61	2.04%	53.62%
Wholesale Market Service Rate	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.38%
Rural Rate Protection Charge	218	0.0021	0.46	218	0.0021	0.46	0.00	0.00%	0.80%
Ontario Electricity Support Program Charge	218	0.0011	0.24	218	0.0011	0.24	0.00	0.00%	0.42%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.44%
Sub-Total: Regulatory			1.74			1.74	0.00	0.00%	3.04%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.45%
Total Electricity Charge on Two-Tier RPP (before HST)			53.70			54.31	0.61	1.14%	95.24%
HST		0.13	6.98		0.13	7.06	0.08	1.14%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			60.68			61.37	0.69	1.14%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.30		-0.08	-4.35	-0.05	1.14%	-7.62%
Total Amount on Two-Tier RPP			56.39			57.03	0.64	1.14%	100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 43 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	35.26%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	35.26%
Service Charge	1	4.25	4.25	1	4.08	4.08	-0.17	-4.00%	13.97%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0	0.00	-0.08	-100.00%	0.00%
Distribution Volumetric Rate	100	0.0924	9.24	100	0.0980	9.80	0.56	6.06%	33.55%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0007	0.07	100	0.0002	0.02	-0.05	-71.43%	0.07%
Sub-Total: Distribution (excluding pass through)			13.64			13.90	0.26	1.91%	47.58%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	3.24%
Sub-Total: Distribution			14.59			14.85	0.26	1.78%	50.83%
Retail Transmission Rate – Network Service Rate	109	0.0045	0.49	109	0.0047	0.51	0.02	4.40%	1.76%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0027	0.29	109	0.0043	0.47	0.17	58.89%	1.60%
Sub-Total: Retail Transmission			0.79			0.98	0.20	24.83%	3.36%
Sub-Total: Delivery			15.37			15.83	0.46	2.96%	54.19%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	1.35%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.79%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.41%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.86%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	3.40%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.40%
Total Electricity Charge on Two-Tier RPP (before HST)			27.37			27.82	0.46	1.66%	95.24%
HST		0.13	3.56		0.13	3.62	0.06	1.66%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			30.92			31.44	0.51	1.66%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-2.19		-0.08	-2.23	-0.04	1.66%	-7.62%
Total Amount on Two-Tier RPP			28.73			29.21	0.48	1.66%	100.00%

2018 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
 EB-2017-0049
 Exhibit H1-4-1
 Attachment 1
 Page 44 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	517
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	565
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	517	0.103	53.25	517	0.103	53.25	0.00	0.00%	40.47%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53.25			53.25	0.00	0.00%	40.47%
Service Charge	1	4.25	4.25	1	4.08	4.08	-0.17	-4.00%	3.10%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	517	0.0924	47.77	517	0.0980	50.67	2.90	6.06%	38.50%
Volumetric Deferral/Variance Account Rider (including CBR Class)	517	0.0007	0.36	517	0.0002	0.10	-0.26	-71.43%	0.08%
Sub-Total: Distribution (excluding pass through)			52.38			54.85	2.47	4.71%	41.68%
Line Losses on Cost of Power	48	0.10	4.90	48	0.10	4.90	0.00	0.00%	3.72%
Sub-Total: Distribution			57.28			59.75	2.47	4.31%	45.40%
Retail Transmission Rate – Network Service Rate	565	0.0045	2.54	565	0.0047	2.65	0.11	4.40%	2.02%
Retail Transmission Rate – Line and Transformation Connection S	565	0.0027	1.52	565	0.0043	2.42	0.90	58.89%	1.84%
Sub-Total: Retail Transmission			4.06			5.07	1.01	24.83%	3.86%
Sub-Total: Delivery			61.35			64.82	3.48	5.67%	49.26%
Wholesale Market Service Rate	565	0.0036	2.03	565	0.0036	2.03	0.00	0.00%	1.54%
Rural Rate Protection Charge	565	0.0013	0.73	565	0.0013	0.73	0.00	0.00%	0.56%
Ontario Electricity Support Program Charge	565	0.0011	0.62	565	0.0011	0.62	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%
Sub-Total: Regulatory			3.64			3.64	0.00	0.00%	2.76%
Debt Retirement Charge (DRC)	517	0.007	3.62	517	0.007	3.62	0.00	0.00%	2.75%
Total Electricity Charge on Two-Tier RPP (before HST)			121.85			125.33	3.48	2.85%	95.24%
HST		0.13	15.84		0.13	16.29	0.45	2.85%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			137.70			141.62	3.93	2.85%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.75		-0.08	-10.03	-0.28	2.85%	-7.62%
Total Amount on Two-Tier RPP			127.95			131.60	3.65	2.85%	100.00%

2018 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 1
Page 45 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.72%
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	28.81%
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	43.53%
Service Charge	1	4.25	4.25	1	4.08	4.08	-0.17	-4.00%	0.78%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0924	184.80	2,000	0.0980	196.00	11.20	6.06%	37.34%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0007	1.40	2,000	0.0002	0.40	-1.00	-71.43%	0.08%
Sub-Total: Distribution (excluding pass through)			190.45			200.48	10.03	5.27%	38.19%
Line Losses on Cost of Power	184	0.12	22.26	184	0.12	22.26	0.00	0.00%	4.24%
Sub-Total: Distribution			212.71			222.74	10.03	4.72%	42.43%
Retail Transmission Rate – Network Service Rate	2,184	0.0045	9.83	2,184	0.0047	10.26	0.43	4.40%	1.95%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.0027	5.90	2,184	0.0043	9.37	3.47	58.89%	1.78%
Sub-Total: Retail Transmission			15.72			19.63	3.90	24.83%	3.74%
Sub-Total: Delivery			228.44			242.37	13.93	6.10%	46.17%
Wholesale Market Service Rate	2,184	0.0036	7.86	2,184	0.0036	7.86	0.00	0.00%	1.50%
Rural Rate Protection Charge	2,184	0.0021	4.59	2,184	0.0021	4.59	0.00	0.00%	0.87%
Ontario Electricity Support Program Charge	2,184	0.0011	2.40	2,184	0.0011	2.40	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			15.10			15.10	0.00	0.00%	2.88%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.67%
Total Electricity Charge on Two-Tier RPP (before HST)			486.04			499.97	13.93	2.87%	95.24%
HST		0.13	63.19		0.13	65.00	1.81	2.87%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			549.23			564.97	15.75	2.87%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-38.88		-0.08	-40.00	-1.11	2.87%	-7.62%
Total Amount on Two-Tier RPP			510.34			524.97	14.63	2.87%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 1 of 45

Rate Class	UR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	370
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	42.94%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	42.94%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		22.69%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		9.00%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		13.00%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	46.43%	44.70%
Service Charge	1	27.76	27.76	1	31.30	31.30	3.54	12.75%	37.28%	35.89%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	350	0.0079	2.77	350	0.0047	1.65	-1.12	-40.51%	1.96%	1.89%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			30.61			33.03	2.42	7.91%	39.33%	37.86%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.94%	0.91%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.10	2.05	20	0.10	2.05	0.00	0.00%	2.45%	2.36%
Line Losses on Cost of Power (based on TOU prices)	20	0.11	2.22	20	0.11	2.22	0.00	0.00%	2.65%	2.55%
Sub-Total: Distribution (based on two-tier RPP prices)			33.45			35.87	2.42	7.23%	42.72%	41.13%
Sub-Total: Distribution (based on TOU prices)			33.62			36.04	2.42	7.20%	42.92%	41.32%
Retail Transmission Rate – Network Service Rate	370	0.0078	2.90	370	0.0078	2.90	0.00	0.00%	3.45%	3.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	370	0.0064	2.38	370	0.0064	2.38	0.00	0.00%	2.84%	2.73%
Sub-Total: Retail Transmission			5.28			5.28	0.00	0.00%	6.29%	6.05%
Sub-Total: Delivery (based on two-tier RPP prices)			38.73			41.15	2.42	6.25%	49.01%	47.18%
Sub-Total: Delivery (based on TOU prices)			38.89			41.31	2.42	6.22%	49.21%	47.37%
Wholesale Market Service Rate	370	0.0036	1.33	370	0.0036	1.33	0.00	0.00%	1.59%	1.53%
Rural Rate Protection Charge	370	0.0021	0.78	370	0.0021	0.78	0.00	0.00%	0.93%	0.89%
Ontario Electricity Support Program Charge	370	0.0011	0.41	370	0.0011	0.41	0.00	0.00%	0.48%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.30%	0.29%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	3.29%	3.17%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			77.54			79.96	2.42	3.12%	95.24%	
HST		0.13	10.08		0.13	10.40	0.31	3.12%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			87.62			90.36	2.73	3.12%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.20		-0.08	-6.40	-0.19	3.12%	-7.62%	
Total Amount on Two-Tier RPP			81.42			83.96	2.54	3.12%	100.00%	
Total Electricity Charge on TOU (before HST)			80.65			83.07	2.42	3.00%		95.24%
HST		0.13	10.48		0.13	10.80	0.31	3.00%		12.38%
Total Electricity Charge on TOU (including HST)			91.13			93.87	2.73	3.00%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.45		-0.08	-6.65	-0.19	3.00%		-7.62%
Total Amount on TOU			84.68			87.22	2.54	3.00%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 2 of 45

Rate Class	UR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	793
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	42.70%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.54%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	55.24%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		28.64%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.37%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.41%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	57.72%	56.42%
Service Charge	1	27.76	27.76	1	31.3	31.30	3.54	12.75%	21.62%	21.14%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	750	0.0079	5.93	750	0.0047	3.53	-2.40	-40.51%	2.44%	2.38%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			33.85			34.99	1.14	3.37%	24.17%	23.63%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.55%	0.53%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.17	43	0.12	5.17	0.00	0.00%	3.57%	3.49%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.76	43	0.11	4.76	0.00	0.00%	3.29%	3.22%
Sub-Total: Distribution (based on two-tier RPP prices)			39.81			40.95	1.14	2.86%	28.29%	27.65%
Sub-Total: Distribution (based on TOU prices)			39.40			40.54	1.14	2.89%	28.01%	27.37%
Retail Transmission Rate – Network Service Rate	793	0.0078	6.21	793	0.0078	6.21	0.00	0.00%	4.29%	4.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	793	0.0064	5.10	793	0.0064	5.10	0.00	0.00%	3.53%	3.45%
Sub-Total: Retail Transmission			11.31			11.31	0.00	0.00%	7.81%	7.64%
Sub-Total: Delivery (based on two-tier RPP prices)			51.12			52.26	1.14	2.23%	36.10%	35.29%
Sub-Total: Delivery (based on TOU prices)			50.71			51.85	1.14	2.25%	35.82%	35.01%
Wholesale Market Service Rate	793	0.0036	2.85	793	0.0036	2.85	0.00	0.00%	1.97%	1.93%
Rural Rate Protection Charge	793	0.0021	1.66	793	0.0021	1.66	0.00	0.00%	1.15%	1.12%
Ontario Electricity Support Program Charge	793	0.0011	0.87	793	0.0011	0.87	0.00	0.00%	0.60%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.64			5.64	0.00	0.00%	3.90%	3.81%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			136.71			137.85	1.14	0.83%	95.24%	
HST		0.13	17.77		0.13	17.92	0.15	0.83%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			154.48			155.77	1.29	0.83%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.94		-0.08	-11.03	-0.09	0.83%	-7.62%	
Total Amount on Two-Tier RPP			143.54			144.74	1.20	0.83%	100.00%	
Total Electricity Charge on TOU (before HST)			139.89			141.03	1.14	0.81%		95.24%
HST		0.13	18.19		0.13	18.33	0.15	0.81%		12.38%
Total Electricity Charge on TOU (including HST)			158.08			159.36	1.29	0.81%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.19		-0.08	-11.28	-0.09	0.81%		-7.62%
Total Amount on TOU			146.88			148.08	1.20	0.81%		100.00%

2019 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 3 of 45

Rate Class	UR
Monthly Consumption (kWh)	755
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	798
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	42.46%	
Energy Second Tier (kWh)	155	0.121	18.76	155	0.121	18.76	0.00	0.00%	12.89%	
Sub-Total: Energy (RPP)			80.56			80.56	0.00	0.00%	55.34%	
TOU-Off Peak	491	0.087	42.70	491	0.087	42.70	0.00	0.00%		28.69%
TOU-Mid Peak	128	0.132	16.94	128	0.132	16.94	0.00	0.00%		11.38%
TOU-On Peak	136	0.180	24.46	136	0.180	24.46	0.00	0.00%		16.43%
Sub-Total: Energy (TOU)			84.10			84.10	0.00	0.00%	57.78%	56.50%
Service Charge	1	27.76	27.76	1	31.3	31.30	3.54	12.75%	21.50%	21.03%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	755	0.0079	5.96	755	0.0047	3.55	-2.42	-40.51%	2.44%	2.38%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	755	0.0002	0.15	755	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			33.89			35.01	1.12	3.32%	24.05%	23.52%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.53%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.21	43	0.12	5.21	0.00	0.00%	3.58%	3.50%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.79	43	0.11	4.79	0.00	0.00%	3.29%	3.22%
Sub-Total: Distribution (based on two-tier RPP prices)			39.88			41.01	1.12	2.82%	28.17%	27.55%
Sub-Total: Distribution (based on TOU prices)			39.47			40.59	1.12	2.85%	27.89%	27.27%
Retail Transmission Rate – Network Service Rate	798	0.0078	6.25	798	0.0078	6.25	0.00	0.00%	4.29%	4.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	798	0.0064	5.14	798	0.0064	5.14	0.00	0.00%	3.53%	3.45%
Sub-Total: Retail Transmission			11.38			11.38	0.00	0.00%	7.82%	7.65%
Sub-Total: Delivery (based on two-tier RPP prices)			51.27			52.39	1.12	2.19%	35.99%	35.20%
Sub-Total: Delivery (based on TOU prices)			50.85			51.98	1.12	2.21%	35.71%	34.92%
Wholesale Market Service Rate	798	0.0036	2.87	798	0.0036	2.87	0.00	0.00%	1.97%	1.93%
Rural Rate Protection Charge	798	0.0021	1.68	798	0.0021	1.68	0.00	0.00%	1.15%	1.13%
Ontario Electricity Support Program Charge	798	0.0011	0.88	798	0.0011	0.88	0.00	0.00%	0.60%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.68			5.68	0.00	0.00%	3.90%	3.81%
Debt Retirement Charge (DRC)	755	0.000	0.00	755	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			137.50			138.62	1.12	0.82%	95.24%	
HST		0.13	17.87		0.13	18.02	0.15	0.82%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			155.37			156.64	1.27	0.82%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.00		-0.08	-11.09	-0.09	0.82%	-7.62%	
Total Amount on Two-Tier RPP			144.37			145.55	1.18	0.82%	100.00%	
Total Electricity Charge on TOU (before HST)			140.63			141.75	1.12	0.80%		95.24%
HST		0.13	18.28		0.13	18.43	0.15	0.80%		12.38%
Total Electricity Charge on TOU (including HST)			158.91			160.18	1.27	0.80%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.25		-0.08	-11.34	-0.09	0.80%		-7.62%
Total Amount on TOU			147.66			148.84	1.18	0.80%		100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 4 of 45

Rate Class	UR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1480
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.66%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	38.63%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	63.30%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		32.06%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		12.72%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		18.37%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	62.24%	63.14%
Service Charge	1	27.76	27.76	1	31.3	31.30	3.54	12.75%	12.49%	12.67%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0.0079	11.06	1,400	0.0047	6.58	-4.48	-40.51%	2.63%	2.66%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,400	0.0002	0.28	1,400	0.0002	0.28	0.00	0.00%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			39.11			38.17	-0.94	-2.40%	15.23%	15.45%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.12	9.66	80	0.12	9.66	0.00	0.00%	3.85%	3.91%
Line Losses on Cost of Power (based on TOU prices)	80	0.11	8.89	80	0.11	8.89	0.00	0.00%	3.55%	3.60%
Sub-Total: Distribution (based on two-tier RPP prices)			49.56			48.62	-0.94	-1.90%	19.40%	19.68%
Sub-Total: Distribution (based on TOU prices)			48.79			47.85	-0.94	-1.93%	19.10%	19.37%
Retail Transmission Rate – Network Service Rate	1,480	0.0078	11.58	1,480	0.0078	11.58	0.00	0.00%	4.62%	4.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,480	0.0064	9.53	1,480	0.0064	9.53	0.00	0.00%	3.80%	3.86%
Sub-Total: Retail Transmission			21.11			21.11	0.00	0.00%	8.43%	8.55%
Sub-Total: Delivery (based on two-tier RPP prices)			70.67			69.73	-0.94	-1.33%	27.83%	28.23%
Sub-Total: Delivery (based on TOU prices)			69.90			68.96	-0.94	-1.34%	27.52%	27.92%
Wholesale Market Service Rate	1,480	0.0036	5.33	1,480	0.0036	5.33	0.00	0.00%	2.13%	2.16%
Rural Rate Protection Charge	1,480	0.0021	3.11	1,480	0.0021	3.11	0.00	0.00%	1.24%	1.26%
Ontario Electricity Support Program Charge	1,480	0.0011	1.63	1,480	0.0011	1.63	0.00	0.00%	0.65%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			10.31			10.31	0.00	0.00%	4.12%	4.18%
Debt Retirement Charge (DRC)	1,400	0.000	0.00	1,400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			239.58			238.64	-0.94	-0.39%	95.24%	
HST		0.13	31.15		0.13	31.02	-0.12	-0.39%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			270.72			269.66	-1.06	-0.39%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.17		-0.08	-19.09	0.08	-0.39%	-7.62%	
Total Amount on Two-Tier RPP			251.56			250.57	-0.99	-0.39%	100.00%	
Total Electricity Charge on TOU (before HST)			236.16			235.22	-0.94	-0.40%		95.24%
HST		0.13	30.70		0.13	30.58	-0.12	-0.40%		12.38%
Total Electricity Charge on TOU (including HST)			266.86			265.80	-1.06	-0.40%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.89		-0.08	-18.82	0.08	-0.40%		-7.62%
Total Amount on TOU			247.97			246.98	-0.99	-0.40%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 5 of 45

Rate Class	R1
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	430
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	37.70%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	37.70%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		20.00%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		7.94%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		11.46%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	40.77%	39.40%
Service Charge	1	37.83	37.83	1	42.25	42.25	4.42	11.68%	38.66%	37.36%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.022	8.80	400	0.0194	7.76	-1.04	-11.82%	7.10%	6.86%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	400	0.0002	0.08	400	0.0002	0.08	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			46.71			50.09	3.38	7.24%	45.83%	44.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.72%	0.70%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.10	3.13	30	0.10	3.13	0.00	0.00%	2.87%	2.77%
Line Losses on Cost of Power (based on TOU prices)	30	0.11	3.39	30	0.11	3.39	0.00	0.00%	3.10%	2.99%
Sub-Total: Distribution (based on two-tier RPP prices)			50.63			54.01	3.38	6.68%	49.42%	47.76%
Sub-Total: Distribution (based on TOU prices)			50.89			54.27	3.38	6.64%	49.65%	47.99%
Retail Transmission Rate – Network Service Rate	430	0.0072	3.10	430	0.0072	3.10	0.00	0.00%	2.84%	2.74%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.0060	2.60	430	0.0060	2.60	0.00	0.00%	2.38%	2.30%
Sub-Total: Retail Transmission			5.70			5.70	0.00	0.00%	5.21%	5.04%
Sub-Total: Delivery (based on two-tier RPP prices)			56.33			59.71	3.38	6.00%	54.63%	52.80%
Sub-Total: Delivery (based on TOU prices)			56.58			59.96	3.38	5.97%	54.87%	53.03%
Wholesale Market Service Rate	430	0.0036	1.55	430	0.0036	1.55	0.00	0.00%	1.42%	1.37%
Rural Rate Protection Charge	430	0.0021	0.90	430	0.0021	0.90	0.00	0.00%	0.83%	0.80%
Ontario Electricity Support Program Charge	430	0.0011	0.47	430	0.0011	0.47	0.00	0.00%	0.43%	0.42%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.23%	0.22%
Sub-Total: Regulatory			3.18			3.18	0.00	0.00%	2.91%	2.81%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			100.71			104.09	3.38	3.36%	95.24%	
HST		0.13	13.09		0.13	13.53	0.44	3.36%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			113.80			117.62	3.82	3.36%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.06		-0.08	-8.33	-0.27	3.36%	-7.62%	
Total Amount on Two-Tier RPP			105.74			109.29	3.55	3.36%	100.00%	
Total Electricity Charge on TOU (before HST)			104.32			107.70	3.38	3.24%		95.24%
HST		0.13	13.56		0.13	14.00	0.44	3.24%		12.38%
Total Electricity Charge on TOU (including HST)			117.88			121.70	3.82	3.24%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.35		-0.08	-8.62	-0.27	3.24%		-7.62%
Total Amount on TOU			109.53			113.08	3.55	3.24%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 6 of 45

Rate Class	R1
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	807
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	36.56%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.74%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	47.29%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		24.62%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.77%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		14.11%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	49.42%	48.50%
Service Charge	1	37.83	37.83	1	42.25	42.25	4.42	11.68%	24.99%	24.53%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.022	16.50	750	0.0194	14.55	-1.95	-11.82%	8.61%	8.45%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			54.48			56.95	2.47	4.53%	33.69%	33.06%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.47%	0.46%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.12	6.90	57	0.12	6.90	0.00	0.00%	4.08%	4.00%
Line Losses on Cost of Power (based on TOU prices)	57	0.11	6.35	57	0.11	6.35	0.00	0.00%	3.76%	3.69%
Sub-Total: Distribution (based on two-tier RPP prices)			62.17			64.64	2.47	3.97%	38.23%	37.52%
Sub-Total: Distribution (based on TOU prices)			61.62			64.09	2.47	4.01%	37.91%	37.21%
Retail Transmission Rate – Network Service Rate	807	0.0072	5.82	807	0.0072	5.82	0.00	0.00%	3.44%	3.38%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.0060	4.87	807	0.0060	4.87	0.00	0.00%	2.88%	2.83%
Sub-Total: Retail Transmission			10.68			10.68	0.00	0.00%	6.32%	6.20%
Sub-Total: Delivery (based on two-tier RPP prices)			72.85			75.32	2.47	3.39%	44.55%	43.73%
Sub-Total: Delivery (based on TOU prices)			72.30			74.77	2.47	3.42%	44.23%	43.41%
Wholesale Market Service Rate	807	0.0036	2.91	807	0.0036	2.91	0.00	0.00%	1.72%	1.69%
Rural Rate Protection Charge	807	0.0021	1.69	807	0.0021	1.69	0.00	0.00%	1.00%	0.98%
Ontario Electricity Support Program Charge	807	0.0011	0.89	807	0.0011	0.89	0.00	0.00%	0.53%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.15%
Sub-Total: Regulatory			5.74			5.74	0.00	0.00%	3.39%	3.33%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			158.54			161.01	2.47	1.56%	95.24%	
HST		0.13	20.61		0.13	20.93	0.32	1.56%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			179.15			181.94	2.79	1.56%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.68		-0.08	-12.88	-0.20	1.56%	-7.62%	
Total Amount on Two-Tier RPP			166.47			169.06	2.59	1.56%	100.00%	
Total Electricity Charge on TOU (before HST)			161.58			164.05	2.47	1.53%		95.24%
HST		0.13	21.01		0.13	21.33	0.32	1.53%		12.38%
Total Electricity Charge on TOU (including HST)			182.59			185.38	2.79	1.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.93		-0.08	-13.12	-0.20	1.53%		-7.62%
Total Amount on TOU			169.66			172.26	2.59	1.53%		100.00%

2019 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 7 of 45

Rate Class	R1
Monthly Consumption (kWh)	920
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	990
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	30.95%	
Energy Second Tier (kWh)	320	0.121	38.72	320	0.121	38.72	0.00	0.00%	19.39%	
Sub-Total: Energy (RPP)			100.52			100.52	0.00	0.00%	50.35%	
TOU-Off Peak	598	0.087	52.03	598	0.087	52.03	0.00	0.00%		25.88%
TOU-Mid Peak	156	0.132	20.64	156	0.132	20.64	0.00	0.00%		10.27%
TOU-On Peak	166	0.180	29.81	166	0.180	29.81	0.00	0.00%		14.83%
Sub-Total: Energy (TOU)			102.48			102.48	0.00	0.00%	51.33%	50.99%
Service Charge	1	37.83	37.83	1	42.25	42.25	4.42	11.68%	21.16%	21.02%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	920	0.022	20.24	920	0.0194	17.85	-2.39	-11.82%	8.94%	8.88%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	920	0.0002	0.18	920	0.0002	0.18	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			58.25			60.28	2.03	3.48%	30.19%	29.99%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.40%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	70	0.12	8.46	70	0.12	8.46	0.00	0.00%	4.24%	4.21%
Line Losses on Cost of Power (based on TOU prices)	70	0.11	7.79	70	0.11	7.79	0.00	0.00%	3.90%	3.87%
Sub-Total: Distribution (based on two-tier RPP prices)			67.50			69.53	2.03	3.00%	34.83%	34.59%
Sub-Total: Distribution (based on TOU prices)			66.83			68.86	2.03	3.03%	34.49%	34.26%
Retail Transmission Rate – Network Service Rate	990	0.0072	7.13	990	0.0072	7.13	0.00	0.00%	3.57%	3.55%
Retail Transmission Rate – Line and Transformation Connection Service Rate	990	0.0060	5.97	990	0.0060	5.97	0.00	0.00%	2.99%	2.97%
Sub-Total: Retail Transmission			13.11			13.11	0.00	0.00%	6.56%	6.52%
Sub-Total: Delivery (based on two-tier RPP prices)			80.61			82.64	2.03	2.52%	41.39%	41.11%
Sub-Total: Delivery (based on TOU prices)			79.94			81.97	2.03	2.54%	41.06%	40.78%
Wholesale Market Service Rate	990	0.0036	3.56	990	0.0036	3.56	0.00	0.00%	1.79%	1.77%
Rural Rate Protection Charge	990	0.0021	2.08	990	0.0021	2.08	0.00	0.00%	1.04%	1.03%
Ontario Electricity Support Program Charge	990	0.0011	1.09	990	0.0011	1.09	0.00	0.00%	0.55%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.12%
Sub-Total: Regulatory			6.98			6.98	0.00	0.00%	3.50%	3.47%
Debt Retirement Charge (DRC)	920	0.000	0.00	920	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			188.11			190.14	2.03	1.08%	95.24%	
HST		0.13	24.45		0.13	24.72	0.26	1.08%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			212.57			214.86	2.29	1.08%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.05		-0.08	-15.21	-0.16	1.08%	-7.62%	
Total Amount on Two-Tier RPP			197.52			199.65	2.13	1.08%	100.00%	
Total Electricity Charge on TOU (before HST)			189.40			191.43	2.03	1.07%		95.24%
HST		0.13	24.62		0.13	24.89	0.26	1.07%	12.38%	
Total Electricity Charge on TOU (including HST)			214.02			216.31	2.29	1.07%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.15		-0.08	-15.31	-0.16	1.07%	-7.62%	
Total Amount on TOU			198.87			201.00	2.13	1.07%		100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 8 of 45

Rate Class	R1
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1937
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	17.26%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	40.56%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	57.82%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		29.10%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		11.55%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		16.67%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	56.01%	57.32%
Service Charge	1	37.83	37.83	1	42.25	42.25	4.42	11.68%	11.80%	12.08%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.022	39.60	1,800	0.0194	34.92	-4.68	-11.82%	9.75%	9.98%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,800	0.0002	0.36	1,800	0.0002	0.36	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			77.79			77.53	-0.26	-0.33%	21.66%	22.17%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.12	16.55	137	0.12	16.55	0.00	0.00%	4.62%	4.73%
Line Losses on Cost of Power (based on TOU prices)	137	0.11	15.24	137	0.11	15.24	0.00	0.00%	4.26%	4.36%
Sub-Total: Distribution (based on two-tier RPP prices)			95.13			94.87	-0.26	-0.27%	26.50%	27.12%
Sub-Total: Distribution (based on TOU prices)			93.82			93.56	-0.26	-0.28%	26.13%	26.75%
Retail Transmission Rate – Network Service Rate	1,937	0.0072	13.96	1,937	0.0072	13.96	0.00	0.00%	3.90%	3.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.0060	11.68	1,937	0.0060	11.68	0.00	0.00%	3.26%	3.34%
Sub-Total: Retail Transmission			25.64			25.64	0.00	0.00%	7.16%	7.33%
Sub-Total: Delivery (based on two-tier RPP prices)			120.77			120.51	-0.26	-0.22%	33.66%	34.45%
Sub-Total: Delivery (based on TOU prices)			119.46			119.20	-0.26	-0.22%	33.30%	34.08%
Wholesale Market Service Rate	1,937	0.0036	6.97	1,937	0.0036	6.97	0.00	0.00%	1.95%	1.99%
Rural Rate Protection Charge	1,937	0.0021	4.07	1,937	0.0021	4.07	0.00	0.00%	1.14%	1.16%
Ontario Electricity Support Program Charge	1,937	0.0011	2.13	1,937	0.0011	2.13	0.00	0.00%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			13.42			13.42	0.00	0.00%	3.75%	3.84%
Debt Retirement Charge (DRC)	1,800	0.000	0.00	1,800	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			341.19			340.93	-0.26	-0.08%	95.24%	
HST		0.13	44.36		0.13	44.32	-0.03	-0.08%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			385.55			385.26	-0.29	-0.08%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-27.30		-0.08	-27.27	0.02	-0.08%	-7.62%	
Total Amount on Two-Tier RPP			358.25			357.98	-0.27	-0.08%	100.00%	
Total Electricity Charge on TOU (before HST)			333.38			333.12	-0.26	-0.08%		95.24%
HST		0.13	43.34		0.13	43.31	-0.03	-0.08%		12.38%
Total Electricity Charge on TOU (including HST)			376.72			376.43	-0.29	-0.08%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.67		-0.08	-26.65	0.02	-0.08%		-7.62%
Total Amount on TOU			350.05			349.78	-0.27	-0.08%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 9 of 45

Rate Class	R2
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	497
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	450	0.103	46.35	450	0.103	46.35	0.00	0.00%	39.92%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			46.35			46.35	0.00	0.00%	39.92%	
TOU-Off Peak	293	0.087	25.45	293	0.087	25.45	0.00	0.00%		21.12%
TOU-Mid Peak	77	0.132	10.10	77	0.132	10.10	0.00	0.00%		8.38%
TOU-On Peak	81	0.180	14.58	81	0.180	14.58	0.00	0.00%		12.10%
Sub-Total: Energy (TOU)			50.13			50.13	0.00	0.00%	43.18%	41.61%
Service Charge (RRRP credit applied)	1	25.11	25.11	1	34.22	34.22	9.11	36.28%	29.48%	28.40%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.02%	-0.02%
Distribution Volumetric Rate	450	0.0363	16.34	450	0.0322	14.49	-1.85	-11.29%	12.48%	12.03%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	450	0.0002	0.09	450	0.0002	0.09	0.00	0.00%	0.08%	0.07%
Sub-Total: Distribution (excluding pass through)			41.51			48.78	7.27	17.50%	42.02%	40.49%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.68%	0.66%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.10	4.87	47	0.10	4.87	0.00	0.00%	4.19%	4.04%
Line Losses on Cost of Power (based on TOU prices)	47	0.11	5.26	47	0.11	5.26	0.00	0.00%	4.53%	4.37%
Sub-Total: Distribution (based on two-tier RPP prices)			47.17			54.44	7.27	15.40%	46.89%	45.18%
Sub-Total: Distribution (based on TOU prices)			47.57			54.83	7.27	15.27%	47.23%	45.51%
Retail Transmission Rate – Network Service Rate	497	0.0067	3.35	497	0.0067	3.35	0.00	0.00%	2.89%	2.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0056	2.80	497	0.0056	2.80	0.00	0.00%	2.41%	2.32%
Sub-Total: Retail Transmission			6.15			6.15	0.00	0.00%	5.30%	5.11%
Sub-Total: Delivery (based on two-tier RPP prices)			53.32			60.59	7.27	13.62%	52.19%	50.29%
Sub-Total: Delivery (based on TOU prices)			53.72			60.98	7.27	13.52%	52.53%	50.62%
Wholesale Market Service Rate	497	0.0036	1.79	497	0.0036	1.79	0.00	0.00%	1.54%	1.49%
Rural Rate Protection Charge	497	0.0021	1.04	497	0.0021	1.04	0.00	0.00%	0.90%	0.87%
Ontario Electricity Support Program Charge	497	0.0011	0.55	497	0.0011	0.55	0.00	0.00%	0.47%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.21%
Sub-Total: Regulatory			3.63			3.63	0.00	0.00%	3.13%	3.01%
Debt Retirement Charge (DRC)	450	0.000	0.00	450	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			103.30			110.57	7.27	7.03%	95.24%	
HST		0.13	13.43		0.13	14.37	0.94	7.03%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			116.73			124.94	8.21	7.03%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.26		-0.08	-8.85	-0.58	7.03%	-7.62%	
Total Amount on Two-Tier RPP			108.47			116.10	7.63	7.03%	100.00%	
Total Electricity Charge on TOU (before HST)			107.48			114.74	7.26	6.76%		95.24%
HST		0.13	13.97		0.13	14.92	0.94	6.76%		12.38%
Total Electricity Charge on TOU (including HST)			121.45			129.66	8.21	6.76%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.60		-0.08	-9.18	-0.58	6.76%		-7.62%
Total Amount on TOU			112.85			120.48	7.63	6.76%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 10 of 45

Rate Class	R2
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	829
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	35.69%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.48%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	46.17%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		24.08%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.56%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		13.80%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	48.25%	47.43%
Service Charge (RRRP credit applied)	1	25.11	25.11	1	34.22	34.22	9.11	36.28%	19.76%	19.43%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	750	0.0363	27.23	750	0.0322	24.15	-3.08	-11.29%	13.95%	13.71%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			52.46			58.50	6.04	11.50%	33.79%	33.21%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.46%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.12	9.53	79	0.12	9.53	0.00	0.00%	5.50%	5.41%
Line Losses on Cost of Power (based on TOU prices)	79	0.11	8.77	79	0.11	8.77	0.00	0.00%	5.07%	4.98%
Sub-Total: Distribution (based on two-tier RPP prices)			62.78			68.82	6.04	9.61%	39.74%	39.07%
Sub-Total: Distribution (based on TOU prices)			62.03			68.06	6.04	9.73%	39.31%	38.64%
Retail Transmission Rate – Network Service Rate	829	0.0067	5.59	829	0.0067	5.59	0.00	0.00%	3.23%	3.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0056	4.67	829	0.0056	4.67	0.00	0.00%	2.69%	2.65%
Sub-Total: Retail Transmission			10.25			10.25	0.00	0.00%	5.92%	5.82%
Sub-Total: Delivery (based on two-tier RPP prices)			73.04			79.07	6.04	8.26%	45.67%	44.89%
Sub-Total: Delivery (based on TOU prices)			72.28			78.31	6.04	8.35%	45.23%	44.46%
Wholesale Market Service Rate	829	0.0036	2.98	829	0.0036	2.98	0.00	0.00%	1.72%	1.69%
Rural Rate Protection Charge	829	0.0021	1.74	829	0.0021	1.74	0.00	0.00%	1.01%	0.99%
Ontario Electricity Support Program Charge	829	0.0011	0.91	829	0.0011	0.91	0.00	0.00%	0.53%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Sub-Total: Regulatory			5.89			5.89	0.00	0.00%	3.40%	3.34%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			158.87			164.91	6.04	3.80%	95.24%	
HST		0.13	20.65		0.13	21.44	0.78	3.80%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			179.52			186.34	6.82	3.80%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.71		-0.08	-13.19	-0.48	3.80%	-7.62%	
Total Amount on Two-Tier RPP			166.81			173.15	6.34	3.80%	100.00%	
Total Electricity Charge on TOU (before HST)			161.71			167.74	6.04	3.73%		95.24%
HST		0.13	21.02		0.13	21.81	0.78	3.73%		12.38%
Total Electricity Charge on TOU (including HST)			182.73			189.55	6.82	3.73%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.94		-0.08	-13.42	-0.48	3.73%		-7.62%
Total Amount on TOU			169.79			176.13	6.34	3.73%		100.00%

2019 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 11 of 45

Rate Class	R2
Monthly Consumption (kWh)	1152
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1273
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.50%	
Energy Second Tier (kWh)	552	0.121	66.79	552	0.121	66.79	0.00	0.00%	26.48%	
Sub-Total: Energy (RPP)			128.59			128.59	0.00	0.00%	50.99%	
TOU-Off Peak	749	0.087	65.15	749	0.087	65.15	0.00	0.00%		25.99%
TOU-Mid Peak	196	0.132	25.85	196	0.132	25.85	0.00	0.00%		10.31%
TOU-On Peak	207	0.180	37.32	207	0.180	37.32	0.00	0.00%		14.89%
Sub-Total: Energy (TOU)			128.32			128.32	0.00	0.00%	50.88%	51.19%
Service Charge (RRRP credit applied)	1	25.11	25.11	1	34.22	34.22	9.11	36.28%	13.57%	13.65%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	1,152	0.0363	41.82	1,152	0.0322	37.09	-4.72	-11.29%	14.71%	14.80%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,152	0.0002	0.23	1,152	0.0002	0.23	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			67.14			71.52	4.39	6.53%	28.36%	28.53%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	121	0.12	14.64	121	0.12	14.64	0.00	0.00%	5.80%	5.84%
Line Losses on Cost of Power (based on TOU prices)	121	0.11	13.47	121	0.11	13.47	0.00	0.00%	5.34%	5.37%
Sub-Total: Distribution (based on two-tier RPP prices)			82.56			86.95	4.39	5.31%	34.48%	34.68%
Sub-Total: Distribution (based on TOU prices)			81.40			85.79	4.39	5.39%	34.02%	34.22%
Retail Transmission Rate – Network Service Rate	1,273	0.0067	8.58	1,273	0.0067	8.58	0.00	0.00%	3.40%	3.42%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,273	0.0056	7.17	1,273	0.0056	7.17	0.00	0.00%	2.84%	2.86%
Sub-Total: Retail Transmission			15.75			15.75	0.00	0.00%	6.24%	6.28%
Sub-Total: Delivery (based on two-tier RPP prices)			98.31			102.70	4.39	4.46%	40.72%	40.96%
Sub-Total: Delivery (based on TOU prices)			97.15			101.53	4.39	4.52%	40.26%	40.50%
Wholesale Market Service Rate	1,273	0.0036	4.58	1,273	0.0036	4.58	0.00	0.00%	1.82%	1.83%
Rural Rate Protection Charge	1,273	0.0021	2.67	1,273	0.0021	2.67	0.00	0.00%	1.06%	1.07%
Ontario Electricity Support Program Charge	1,273	0.0011	1.40	1,273	0.0011	1.40	0.00	0.00%	0.56%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			8.91			8.91	0.00	0.00%	3.53%	3.55%
Debt Retirement Charge (DRC)	1,152	0.000	0.00	1,152	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			235.81			240.20	4.39	1.86%	95.24%	
HST		0.13	30.66		0.13	31.23	0.57	1.86%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			266.46			271.42	4.96	1.86%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.86		-0.08	-19.22	-0.35	1.86%	-7.62%	
Total Amount on Two-Tier RPP			247.60			252.21	4.61	1.86%	100.00%	
Total Electricity Charge on TOU (before HST)			234.38			238.76	4.39	1.87%		95.24%
HST		0.13	30.47		0.13	31.04	0.57	1.87%		12.38%
Total Electricity Charge on TOU (including HST)			264.84			269.80	4.96	1.87%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.75		-0.08	-19.10	-0.35	1.87%		-7.62%
Total Amount on TOU			246.09			250.70	4.61	1.87%		100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 12 of 45

Rate Class	R2
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2542
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	12.93%	
Energy Second Tier (kWh)	1,700	0.121	205.70	1,700	0.121	205.70	0.00	0.00%	43.04%	
Sub-Total: Energy (RPP)			267.50			267.50	0.00	0.00%	55.97%	
TOU-Off Peak	1,495	0.087	130.07	1,495	0.087	130.07	0.00	0.00%		28.05%
TOU-Mid Peak	391	0.132	51.61	391	0.132	51.61	0.00	0.00%		11.13%
TOU-On Peak	414	0.180	74.52	414	0.180	74.52	0.00	0.00%		16.07%
Sub-Total: Energy (TOU)			256.20			256.20	0.00	0.00%	53.60%	55.26%
Service Charge (RRRP credit applied)	1	25.11	25.11	1	34.22	34.22	9.11	36.28%	7.16%	7.38%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.0363	83.49	2,300	0.0322	74.06	-9.43	-11.29%	15.49%	15.97%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,300	0.0002	0.46	2,300	0.0002	0.46	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			109.04			108.72	-0.32	-0.29%	22.75%	23.45%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.12	29.22	242	0.12	29.22	0.00	0.00%	6.11%	6.30%
Line Losses on Cost of Power (based on TOU prices)	242	0.11	26.90	242	0.11	26.90	0.00	0.00%	5.63%	5.80%
Sub-Total: Distribution (based on two-tier RPP prices)			139.05			138.73	-0.32	-0.23%	29.03%	29.92%
Sub-Total: Distribution (based on TOU prices)			136.73			136.41	-0.32	-0.23%	28.54%	29.42%
Retail Transmission Rate – Network Service Rate	2,542	0.0067	17.13	2,542	0.0067	17.13	0.00	0.00%	3.58%	3.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0056	14.31	2,542	0.0056	14.31	0.00	0.00%	2.99%	3.09%
Sub-Total: Retail Transmission			31.44			31.44	0.00	0.00%	6.58%	6.78%
Sub-Total: Delivery (based on two-tier RPP prices)			170.49			170.17	-0.32	-0.19%	35.60%	36.70%
Sub-Total: Delivery (based on TOU prices)			168.17			167.85	-0.32	-0.19%	35.12%	36.20%
Wholesale Market Service Rate	2,542	0.0036	9.15	2,542	0.0036	9.15	0.00	0.00%	1.91%	1.97%
Rural Rate Protection Charge	2,542	0.0021	5.34	2,542	0.0021	5.34	0.00	0.00%	1.12%	1.15%
Ontario Electricity Support Program Charge	2,542	0.0011	2.80	2,542	0.0011	2.80	0.00	0.00%	0.58%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			17.53			17.53	0.00	0.00%	3.67%	3.78%
Debt Retirement Charge (DRC)	2,300	0.000	0.00	2,300	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			455.52			455.20	-0.32	-0.07%	95.24%	
HST		0.13	59.22		0.13	59.18	-0.04	-0.07%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			514.74			514.38	-0.36	-0.07%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.44		-0.08	-36.42	0.03	-0.07%	-7.62%	
Total Amount on Two-Tier RPP			478.30			477.96	-0.34	-0.07%	100.00%	
Total Electricity Charge on TOU (before HST)			441.90			441.58	-0.32	-0.07%		95.24%
HST		0.13	57.45		0.13	57.41	-0.04	-0.07%		12.38%
Total Electricity Charge on TOU (including HST)			499.34			498.98	-0.36	-0.07%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.35		-0.08	-35.33	0.03	-0.07%		-7.62%
Total Amount on TOU			463.99			463.66	-0.34	-0.07%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 13 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	55.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	8.84%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	8.84%	
TOU-Off Peak	33	0.087	2.83	33	0.087	2.83	0.00	0.00%		4.81%
TOU-Mid Peak	9	0.132	1.12	9	0.132	1.12	0.00	0.00%		1.91%
TOU-On Peak	9	0.180	1.62	9	0.180	1.62	0.00	0.00%		2.76%
Sub-Total: Energy (TOU)			5.57			5.57	0.00	0.00%	9.56%	9.48%
Service Charge	1	40.57	40.57	1	45.14	45.14	4.57	11.26%	77.49%	76.85%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	50	0.0608	3.04	50	0.0530	2.65	-0.39	-12.83%	4.55%	4.51%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	50	0.0002	0.01	50	0.0002	0.01	0.00	0.00%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			43.62			47.80	4.18	9.58%	82.06%	81.38%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.36%	1.34%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.10	0.54	5	0.10	0.54	0.00	0.00%	0.92%	0.91%
Line Losses on Cost of Power (based on TOU prices)	5	0.11	0.58	5	0.11	0.58	0.00	0.00%	0.99%	0.99%
Sub-Total: Distribution (based on two-tier RPP prices)			44.95			49.13	4.18	9.30%	84.33%	83.63%
Sub-Total: Distribution (based on TOU prices)			44.99			49.17	4.18	9.29%	84.41%	83.71%
Retail Transmission Rate – Network Service Rate	55	0.0057	0.31	55	0.0057	0.31	0.00	0.00%	0.54%	0.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0048	0.27	55	0.0048	0.27	0.00	0.00%	0.46%	0.45%
Sub-Total: Retail Transmission			0.58			0.58	0.00	0.00%	0.99%	0.98%
Sub-Total: Delivery (based on two-tier RPP prices)			45.52			49.70	4.18	9.18%	85.32%	84.62%
Sub-Total: Delivery (based on TOU prices)			45.57			49.75	4.18	9.17%	85.40%	84.69%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	0.34%	0.34%
Rural Rate Protection Charge	55	0.0021	0.12	55	0.0021	0.12	0.00	0.00%	0.20%	0.20%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.10%	0.10%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.43%	0.43%
Sub-Total: Regulatory			0.63			0.63	0.00	0.00%	1.07%	1.06%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			51.30			55.48	4.18	8.15%	95.24%	
HST		0.13	6.67		0.13	7.21	0.54	8.15%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			57.97			62.69	4.72	8.15%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.10		-0.08	-4.44	-0.33	8.15%	-7.62%	
Total Amount on Two-Tier RPP			53.86			58.25	4.39	8.15%	100.00%	
Total Electricity Charge on TOU (before HST)			51.76			55.94	4.18	8.08%		95.24%
HST		0.13	6.73		0.13	7.27	0.54	8.08%		12.38%
Total Electricity Charge on TOU (including HST)			58.49			63.21	4.72	8.08%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.14		-0.08	-4.48	-0.33	8.08%		-7.62%
Total Amount on TOU			54.35			58.74	4.39	8.08%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 14 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	386.4
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	30.85%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	30.85%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		16.46%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		6.53%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		9.43%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	33.37%	32.42%
Service Charge	1	40.57	40.57	1	45.14	45.14	4.57	11.26%	38.63%	37.54%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0.0608	21.28	350	0.0530	18.55	-2.73	-12.83%	15.88%	15.43%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			61.92			63.76	1.84	2.97%	54.57%	53.03%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.68%	0.66%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.10	3.75	36	0.10	3.75	0.00	0.00%	3.21%	3.12%
Line Losses on Cost of Power (based on TOU prices)	36	0.11	4.05	36	0.11	4.05	0.00	0.00%	3.47%	3.37%
Sub-Total: Distribution (based on two-tier RPP prices)			66.46			68.30	1.84	2.77%	58.46%	56.80%
Sub-Total: Distribution (based on TOU prices)			66.76			68.60	1.84	2.76%	58.72%	57.06%
Retail Transmission Rate – Network Service Rate	386	0.0057	2.19	386	0.0057	2.19	0.00	0.00%	1.87%	1.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	386	0.0048	1.86	386	0.0048	1.86	0.00	0.00%	1.59%	1.55%
Sub-Total: Retail Transmission			4.05			4.05	0.00	0.00%	3.46%	3.37%
Sub-Total: Delivery (based on two-tier RPP prices)			70.51			72.35	1.84	2.61%	61.92%	60.17%
Sub-Total: Delivery (based on TOU prices)			70.81			72.65	1.84	2.60%	62.18%	60.42%
Wholesale Market Service Rate	386	0.0036	1.39	386	0.0036	1.39	0.00	0.00%	1.19%	1.16%
Rural Rate Protection Charge	386	0.0021	0.81	386	0.0021	0.81	0.00	0.00%	0.69%	0.67%
Ontario Electricity Support Program Charge	386	0.0011	0.43	386	0.0011	0.43	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.21%
Sub-Total: Regulatory			2.88			2.88	0.00	0.00%	2.46%	2.39%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			109.44			111.28	1.84	1.68%	95.24%	
HST		0.13	14.23		0.13	14.47	0.24	1.68%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			123.66			125.74	2.08	1.68%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.75		-0.08	-8.90	-0.15	1.68%	-7.62%	
Total Amount on Two-Tier RPP			114.91			116.84	1.93	1.68%	100.00%	
Total Electricity Charge on TOU (before HST)			112.68			114.52	1.84	1.63%		95.24%
HST		0.13	14.65		0.13	14.89	0.24	1.63%		12.38%
Total Electricity Charge on TOU (including HST)			127.32			129.40	2.08	1.63%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.01		-0.08	-9.16	-0.15	1.63%		-7.62%
Total Amount on TOU			118.31			120.24	1.93	1.63%		100.00%

2019 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 15 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	352
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	388.608
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	352	0.103	36.26	352	0.103	36.26	0.00	0.00%	30.93%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.26			36.26	0.00	0.00%	30.93%	
TOU-Off Peak	229	0.087	19.91	229	0.087	19.91	0.00	0.00%		16.50%
TOU-Mid Peak	60	0.132	7.90	60	0.132	7.90	0.00	0.00%		6.55%
TOU-On Peak	63	0.180	11.40	63	0.180	11.40	0.00	0.00%		9.45%
Sub-Total: Energy (TOU)			39.21			39.21	0.00	0.00%	33.45%	32.50%
Service Charge	1	40.57	40.57	1	45.14	45.14	4.57	11.26%	38.51%	37.41%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	352	0.0608	21.40	352	0.0530	18.66	-2.75	-12.83%	15.91%	15.46%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	352	0.0002	0.07	352	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			62.04			63.87	1.82	2.94%	54.48%	52.93%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.67%	0.65%
Line Losses on Cost of Power (based on two-tier RPP prices)	37	0.10	3.77	37	0.10	3.77	0.00	0.00%	3.22%	3.13%
Line Losses on Cost of Power (based on TOU prices)	37	0.11	4.08	37	0.11	4.08	0.00	0.00%	3.48%	3.38%
Sub-Total: Distribution (based on two-tier RPP prices)			66.60			68.43	1.82	2.74%	58.37%	56.71%
Sub-Total: Distribution (based on TOU prices)			66.91			68.73	1.82	2.73%	58.63%	56.97%
Retail Transmission Rate – Network Service Rate	389	0.0057	2.20	389	0.0057	2.20	0.00	0.00%	1.87%	1.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	389	0.0048	1.87	389	0.0048	1.87	0.00	0.00%	1.60%	1.55%
Sub-Total: Retail Transmission			4.07			4.07	0.00	0.00%	3.47%	3.37%
Sub-Total: Delivery (based on two-tier RPP prices)			70.67			72.50	1.82	2.58%	61.84%	60.09%
Sub-Total: Delivery (based on TOU prices)			70.98			72.81	1.82	2.57%	62.11%	60.34%
Wholesale Market Service Rate	389	0.0036	1.40	389	0.0036	1.40	0.00	0.00%	1.19%	1.16%
Rural Rate Protection Charge	389	0.0021	0.82	389	0.0021	0.82	0.00	0.00%	0.70%	0.68%
Ontario Electricity Support Program Charge	389	0.0011	0.43	389	0.0011	0.43	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.21%
Sub-Total: Regulatory			2.89			2.89	0.00	0.00%	2.47%	2.40%
Debt Retirement Charge (DRC)	352	0.000	0.00	352	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			109.82			111.65	1.82	1.66%	95.24%	
HST		0.13	14.28		0.13	14.51	0.24	1.66%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			124.10			126.16	2.06	1.66%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.79		-0.08	-8.93	-0.15	1.66%	-7.62%	
Total Amount on Two-Tier RPP			115.31			117.23	1.92	1.66%	100.00%	
Total Electricity Charge on TOU (before HST)			113.08			114.91	1.82	1.61%		95.24%
HST		0.13	14.70		0.13	14.94	0.24	1.61%		12.38%
Total Electricity Charge on TOU (including HST)			127.78			129.85	2.06	1.61%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.05		-0.08	-9.19	-0.15	1.61%		-7.62%
Total Amount on TOU			118.74			120.65	1.92	1.61%		100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 16 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1104
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.40%	
Energy Second Tier (kWh)	400	0.121	48.40	400	0.121	48.40	0.00	0.00%	19.11%	
Sub-Total: Energy (RPP)			110.20			110.20	0.00	0.00%	43.51%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		22.31%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.85%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.78%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	43.98%	43.94%
Service Charge	1	40.57	40.57	1	45.14	45.14	4.57	11.26%	17.82%	17.81%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0608	60.80	1,000	0.0530	53.00	-7.80	-12.83%	20.92%	20.91%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			101.57			98.34	-3.23	-3.18%	38.82%	38.79%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.12	12.58	104	0.12	12.58	0.00	0.00%	4.97%	4.96%
Line Losses on Cost of Power (based on TOU prices)	104	0.11	11.58	104	0.11	11.58	0.00	0.00%	4.57%	4.57%
Sub-Total: Distribution (based on two-tier RPP prices)			114.94			111.71	-3.23	-2.81%	44.10%	44.07%
Sub-Total: Distribution (based on TOU prices)			113.94			110.71	-3.23	-2.83%	43.71%	43.67%
Retail Transmission Rate – Network Service Rate	1,104	0.0057	6.24	1,104	0.0057	6.24	0.00	0.00%	2.47%	2.46%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0048	5.32	1,104	0.0048	5.32	0.00	0.00%	2.10%	2.10%
Sub-Total: Retail Transmission			11.57			11.57	0.00	0.00%	4.57%	4.56%
Sub-Total: Delivery (based on two-tier RPP prices)			126.51			123.28	-3.23	-2.55%	48.67%	48.63%
Sub-Total: Delivery (based on TOU prices)			125.51			122.28	-3.23	-2.57%	48.28%	48.24%
Wholesale Market Service Rate	1,104	0.0036	3.97	1,104	0.0036	3.97	0.00	0.00%	1.57%	1.57%
Rural Rate Protection Charge	1,104	0.0021	2.32	1,104	0.0021	2.32	0.00	0.00%	0.92%	0.91%
Ontario Electricity Support Program Charge	1,104	0.0011	1.21	1,104	0.0011	1.21	0.00	0.00%	0.48%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.76			7.76	0.00	0.00%	3.06%	3.06%
Debt Retirement Charge (DRC)	1,000	0.000	0.00	1,000	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			244.47			241.24	-3.23	-1.32%	95.24%	
HST		0.13	31.78		0.13	31.36	-0.42	-1.32%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			276.25			272.60	-3.65	-1.32%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.56		-0.08	-19.30	0.26	-1.32%	-7.62%	
Total Amount on Two-Tier RPP			256.69			253.30	-3.39	-1.32%	100.00%	
Total Electricity Charge on TOU (before HST)			244.66			241.43	-3.23	-1.32%		95.24%
HST		0.13	31.81		0.13	31.39	-0.42	-1.32%		12.38%
Total Electricity Charge on TOU (including HST)			276.46			272.81	-3.65	-1.32%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.57		-0.08	-19.31	0.26	-1.32%		-7.62%
Total Amount on TOU			256.89			253.50	-3.39	-1.32%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 17 of 45

Rate Class	UGe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	37.52%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.69%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	52.21%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		27.02%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.72%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.48%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	54.09%	53.21%
Service Charge	1	23.97	23.97	1	24.52	24.52	0.55	2.29%	11.91%	11.71%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0280	28.00	1,000	0.029	29.00	1.00	3.57%	14.08%	13.85%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			52.18			53.73	1.55	2.97%	26.09%	25.67%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.12	8.11	67	0.12	8.11	0.00	0.00%	3.94%	3.87%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.46	67	0.11	7.46	0.00	0.00%	3.62%	3.57%
Sub-Total: Distribution (based on two-tier RPP prices)			61.08			62.63	1.55	2.54%	30.41%	29.92%
Sub-Total: Distribution (based on TOU prices)			60.43			61.98	1.55	2.56%	30.10%	29.61%
Retail Transmission Rate – Network Service Rate	1,067	0.0061	6.52	1,067	0.0061	6.52	0.00	0.00%	3.16%	3.11%
Retail Transmission Rate – Line and Transformation Connection \$	1,067	0.0047	4.96	1,067	0.0047	4.96	0.00	0.00%	2.41%	2.37%
Sub-Total: Retail Transmission			11.48			11.48	0.00	0.00%	5.57%	5.48%
Sub-Total: Delivery (based on two-tier RPP prices)			72.56			74.11	1.55	2.14%	35.99%	35.40%
Sub-Total: Delivery (based on TOU prices)			71.91			73.46	1.55	2.16%	35.68%	35.09%
Wholesale Market Service Rate	1,067	0.0036	3.84	1,067	0.0036	3.84	0.00	0.00%	1.87%	1.84%
Rural Rate Protection Charge	1,067	0.0021	2.24	1,067	0.0021	2.24	0.00	0.00%	1.09%	1.07%
Ontario Electricity Support Program Charge	1,067	0.0011	1.17	1,067	0.0011	1.17	0.00	0.00%	0.57%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.51			7.51	0.00	0.00%	3.64%	3.59%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.40%	3.34%
Total Electricity Charge on Two-Tier RPP			194.56			196.11	1.55	0.80%	95.24%	
HST		0.13	25.29		0.13	25.49	0.20	0.80%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			219.85			221.61	1.75	0.80%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.56		-0.08	-15.69	-0.12	0.80%	-7.62%	
Total Amount on Two-Tier RPP			204.29			205.92	1.63	0.80%	100.00%	
Total Electricity Charge on TOU (before HST)			197.81			199.36	1.55	0.78%		95.24%
HST		0.13	25.71		0.13	25.92	0.20	0.78%		12.38%
Total Electricity Charge on TOU (including HST)			223.52			225.27	1.75	0.78%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.82		-0.08	-15.95	-0.12	0.78%		-7.62%
Total Amount on TOU			207.70			209.33	1.63	0.78%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 18 of 45

Rate Class	UGe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.35%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	37.89%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	57.25%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		28.87%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.45%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.54%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	55.81%	56.86%
Service Charge	1	23.97	23.97	1	24.52	24.52	0.55	2.29%	6.14%	6.26%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0280	56.00	2,000	0.029	58.00	2.00	3.57%	14.53%	14.80%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			80.38			82.93	2.55	3.17%	20.78%	21.17%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.12	16.21	134	0.12	16.21	0.00	0.00%	4.06%	4.14%
Line Losses on Cost of Power (based on TOU prices)	134	0.11	14.93	134	0.11	14.93	0.00	0.00%	3.74%	3.81%
Sub-Total: Distribution (based on two-tier RPP prices)			97.38			99.93	2.55	2.62%	25.04%	25.51%
Sub-Total: Distribution (based on TOU prices)			96.10			98.65	2.55	2.65%	24.71%	25.18%
Retail Transmission Rate – Network Service Rate	2,134	0.0061	13.03	2,134	0.0061	13.03	0.00	0.00%	3.26%	3.33%
Retail Transmission Rate – Line and Transformation Connection \$	2,134	0.0047	9.93	2,134	0.0047	9.93	0.00	0.00%	2.49%	2.53%
Sub-Total: Retail Transmission			22.96			22.96	0.00	0.00%	5.75%	5.86%
Sub-Total: Delivery (based on two-tier RPP prices)			120.34			122.89	2.55	2.12%	30.79%	31.37%
Sub-Total: Delivery (based on TOU prices)			119.05			121.60	2.55	2.14%	30.46%	31.04%
Wholesale Market Service Rate	2,134	0.0036	7.68	2,134	0.0036	7.68	0.00	0.00%	1.92%	1.96%
Rural Rate Protection Charge	2,134	0.0021	4.48	2,134	0.0021	4.48	0.00	0.00%	1.12%	1.14%
Ontario Electricity Support Program Charge	2,134	0.0011	2.35	2,134	0.0011	2.35	0.00	0.00%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.76			14.76	0.00	0.00%	3.70%	3.77%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.51%	3.57%
Total Electricity Charge on Two-Tier RPP			377.60			380.15	2.55	0.68%	95.24%	
HST		0.13	49.09		0.13	49.42	0.33	0.68%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			426.69			429.57	2.88	0.68%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-30.21		-0.08	-30.41	-0.20	0.68%	-7.62%	
Total Amount on Two-Tier RPP			396.48			399.16	2.68	0.68%	100.00%	
Total Electricity Charge on TOU (before HST)			370.60			373.15	2.55	0.69%		95.24%
HST		0.13	48.18		0.13	48.51	0.33	0.69%		12.38%
Total Electricity Charge on TOU (including HST)			418.77			421.65	2.88	0.69%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.65		-0.08	-29.85	-0.20	0.69%		-7.62%
Total Amount on TOU			389.12			391.80	2.68	0.69%		100.00%

2019 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 19 of 45

Rate Class	UGe
Monthly Consumption (kWh)	2759
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2944
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.15%	
Energy Second Tier (kWh)	2,009	0.121	243.09	2,009	0.121	243.09	0.00	0.00%	44.54%	
Sub-Total: Energy (RPP)			320.34			320.34	0.00	0.00%	58.69%	
TOU-Off Peak	1,793	0.087	156.02	1,793	0.087	156.02	0.00	0.00%		29.42%
TOU-Mid Peak	469	0.132	61.91	469	0.132	61.91	0.00	0.00%		11.67%
TOU-On Peak	497	0.180	89.39	497	0.180	89.39	0.00	0.00%		16.86%
Sub-Total: Energy (TOU)			307.33			307.33	0.00	0.00%	56.30%	57.95%
Service Charge	1	23.97	23.97	1	24.52	24.52	0.55	2.29%	4.49%	4.62%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,759	0.0280	77.25	2,759	0.029	80.01	2.76	3.57%	14.66%	15.09%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,759	0.0002	0.55	2,759	0.0002	0.55	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			101.78			105.09	3.31	3.25%	19.25%	19.82%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.14%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	185	0.12	22.37	185	0.12	22.37	0.00	0.00%	4.10%	4.22%
Line Losses on Cost of Power (based on TOU prices)	185	0.11	20.59	185	0.11	20.59	0.00	0.00%	3.77%	3.88%
Sub-Total: Distribution (based on two-tier RPP prices)			124.94			128.25	3.31	2.65%	23.50%	24.18%
Sub-Total: Distribution (based on TOU prices)			123.16			126.47	3.31	2.69%	23.17%	23.85%
Retail Transmission Rate – Network Service Rate	2,944	0.0061	17.98	2,944	0.0061	17.98	0.00	0.00%	3.29%	3.39%
Retail Transmission Rate – Line and Transformation Connection \$	2,944	0.0047	13.69	2,944	0.0047	13.69	0.00	0.00%	2.51%	2.58%
Sub-Total: Retail Transmission			31.67			31.67	0.00	0.00%	5.80%	5.97%
Sub-Total: Delivery (based on two-tier RPP prices)			156.61			159.92	3.31	2.11%	29.30%	30.16%
Sub-Total: Delivery (based on TOU prices)			154.83			158.14	3.31	2.14%	28.97%	29.82%
Wholesale Market Service Rate	2,944	0.0036	10.60	2,944	0.0036	10.60	0.00	0.00%	1.94%	2.00%
Rural Rate Protection Charge	2,944	0.0021	6.18	2,944	0.0021	6.18	0.00	0.00%	1.13%	1.17%
Ontario Electricity Support Program Charge	2,944	0.0011	3.24	2,944	0.0011	3.24	0.00	0.00%	0.59%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			20.27			20.27	0.00	0.00%	3.71%	3.82%
Debt Retirement Charge (DRC)	2,759	0.007	19.31	2,759	0.007	19.31	0.00	0.00%	3.54%	3.64%
Total Electricity Charge on Two-Tier RPP			516.53			519.84	3.31	0.64%	95.24%	
HST		0.13	67.15		0.13	67.58	0.43	0.64%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			583.68			587.42	3.74	0.64%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-41.32		-0.08	-41.59	-0.26	0.64%	-7.62%	
Total Amount on Two-Tier RPP			542.36			545.83	3.47	0.64%	100.00%	
Total Electricity Charge on TOU (before HST)			501.74			505.05	3.31	0.66%		95.24%
HST		0.13	65.23		0.13	65.66	0.43	0.66%		12.38%
Total Electricity Charge on TOU (including HST)			566.97			570.71	3.74	0.66%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.14		-0.08	-40.40	-0.26	0.66%		-7.62%
Total Amount on TOU			526.83			530.30	3.47	0.66%		100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 20 of 45

Rate Class	UGe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.65%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	59.23%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	61.88%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		30.69%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.18%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		17.58%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	57.39%	60.45%
Service Charge	1	23.97	23.97	1	24.52	24.52	0.55	2.29%	0.84%	0.89%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0280	420.00	15,000	0.029	435.00	15.00	3.57%	14.94%	15.74%
Volumetric Deferral/Variance Account Rider (including CBR Class)	15,000	0.0002	3.00	15,000	0.0002	3.00	0.00	0.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			446.98			462.53	15.55	3.48%	15.89%	16.73%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.12	121.61	1,005	0.12	121.61	0.00	0.00%	4.18%	4.40%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.11	111.95	1,005	0.11	111.95	0.00	0.00%	3.85%	4.05%
Sub-Total: Distribution (based on two-tier RPP prices)			569.38			584.93	15.55	2.73%	20.09%	21.16%
Sub-Total: Distribution (based on TOU prices)			559.72			575.27	15.55	2.78%	19.76%	20.81%
Retail Transmission Rate – Network Service Rate	16,005	0.0061	97.73	16,005	0.0061	97.73	0.00	0.00%	3.36%	3.54%
Retail Transmission Rate – Line and Transformation Connection \$	16,005	0.0047	74.46	16,005	0.0047	74.46	0.00	0.00%	2.56%	2.69%
Sub-Total: Retail Transmission			172.18			172.18	0.00	0.00%	5.91%	6.23%
Sub-Total: Delivery (based on two-tier RPP prices)			741.56			757.11	15.55	2.10%	26.01%	27.39%
Sub-Total: Delivery (based on TOU prices)			731.90			747.45	15.55	2.12%	25.67%	27.04%
Wholesale Market Service Rate	16,005	0.0036	57.62	16,005	0.0036	57.62	0.00	0.00%	1.98%	2.08%
Rural Rate Protection Charge	16,005	0.0021	33.61	16,005	0.0021	33.61	0.00	0.00%	1.15%	1.22%
Ontario Electricity Support Program Charge	16,005	0.0011	17.61	16,005	0.0011	17.61	0.00	0.00%	0.60%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			109.08			109.08	0.00	0.00%	3.75%	3.95%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.61%	3.80%
Total Electricity Charge on Two-Tier RPP			2,757.14			2,772.69	15.55	0.56%	95.24%	
HST		0.13	358.43		0.13	360.45	2.02	0.56%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,115.57			3,133.14	17.57	0.56%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-220.57		-0.08	-221.82	-1.24	0.56%	-7.62%	
Total Amount on Two-Tier RPP			2,895.00			2,911.33	16.33	0.56%	100.00%	
Total Electricity Charge on TOU (before HST)			2,616.83			2,632.38	15.55	0.59%		95.24%
HST		0.13	340.19		0.13	342.21	2.02	0.59%		12.38%
Total Electricity Charge on TOU (including HST)			2,957.02			2,974.59	17.57	0.59%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-209.35		-0.08	-210.59	-1.24	0.59%		-7.62%
Total Amount on TOU			2,747.67			2,764.00	16.33	0.59%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 21 of 45

Rate Class	GSe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	30.96%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	12.12%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	43.09%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		22.39%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.88%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.83%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	44.65%	44.10%
Service Charge	1	29.68	29.68	1	30.26	30.26	0.58	1.95%	12.13%	11.98%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0591	59.10	1,000	0.0614	61.40	2.30	3.89%	24.61%	24.31%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			88.98			91.86	2.88	3.24%	36.82%	36.36%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.12	11.62	96	0.12	11.62	0.00	0.00%	4.66%	4.60%
Line Losses on Cost of Power (based on TOU prices)	96	0.11	10.69	96	0.11	10.69	0.00	0.00%	4.29%	4.23%
Sub-Total: Distribution (based on two-tier RPP prices)			101.39			104.27	2.88	2.84%	41.79%	41.28%
Sub-Total: Distribution (based on TOU prices)			100.46			103.34	2.88	2.87%	41.42%	40.91%
Retail Transmission Rate – Network Service Rate	1,096	0.0057	6.24	1,096	0.0057	6.24	0.00	0.00%	2.50%	2.47%
Retail Transmission Rate – Line and Transformation Connection \$	1,096	0.0045	4.90	1,096	0.0045	4.90	0.00	0.00%	1.97%	1.94%
Sub-Total: Retail Transmission			11.14			11.14	0.00	0.00%	4.47%	4.41%
Sub-Total: Delivery (based on two-tier RPP prices)			112.53			115.41	2.88	2.56%	46.26%	45.69%
Sub-Total: Delivery (based on TOU prices)			111.61			114.49	2.88	2.58%	45.89%	45.32%
Wholesale Market Service Rate	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.58%	1.56%
Rural Rate Protection Charge	1,096	0.0021	2.30	1,096	0.0021	2.30	0.00	0.00%	0.92%	0.91%
Ontario Electricity Support Program Charge	1,096	0.0011	1.21	1,096	0.0011	1.21	0.00	0.00%	0.48%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.70			7.70	0.00	0.00%	3.09%	3.05%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.81%	2.77%
Total Electricity Charge on Two-Tier RPP			234.73			237.61	2.88	1.23%	95.24%	
HST		0.13	30.52		0.13	30.89	0.37	1.23%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			265.25			268.50	3.25	1.23%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.78		-0.08	-19.01	-0.23	1.23%	-7.62%	
Total Amount on Two-Tier RPP			246.47			249.49	3.02	1.23%	100.00%	
Total Electricity Charge on TOU (before HST)			237.70			240.58	2.88	1.21%		95.24%
HST		0.13	30.90		0.13	31.28	0.37	1.21%		12.38%
Total Electricity Charge on TOU (including HST)			268.60			271.85	3.25	1.21%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.02		-0.08	-19.25	-0.23	1.21%		-7.62%
Total Amount on TOU			249.58			252.61	3.02	1.21%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 22 of 45

Rate Class	GSe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	16.08%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	31.49%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	47.57%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		23.94%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		9.50%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		13.72%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	46.38%	47.16%
Service Charge	1	29.68	29.68	1	30.26	30.26	0.58	1.95%	6.30%	6.41%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0591	118.20	2,000	0.0614	122.80	4.60	3.89%	25.57%	26.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			148.28			153.46	5.18	3.49%	31.95%	32.49%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.12	23.23	192	0.12	23.23	0.00	0.00%	4.84%	4.92%
Line Losses on Cost of Power (based on TOU prices)	192	0.11	21.39	192	0.11	21.39	0.00	0.00%	4.45%	4.53%
Sub-Total: Distribution (based on two-tier RPP prices)			172.30			177.48	5.18	3.01%	36.95%	37.57%
Sub-Total: Distribution (based on TOU prices)			170.46			175.64	5.18	3.04%	36.57%	37.18%
Retail Transmission Rate – Network Service Rate	2,192	0.0057	12.48	2,192	0.0057	12.48	0.00	0.00%	2.60%	2.64%
Retail Transmission Rate – Line and Transformation Connection \$	2,192	0.0045	9.81	2,192	0.0045	9.81	0.00	0.00%	2.04%	2.08%
Sub-Total: Retail Transmission			22.29			22.29	0.00	0.00%	4.64%	4.72%
Sub-Total: Delivery (based on two-tier RPP prices)			194.59			199.77	5.18	2.66%	41.59%	42.29%
Sub-Total: Delivery (based on TOU prices)			192.74			197.92	5.18	2.69%	41.21%	41.90%
Wholesale Market Service Rate	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.64%	1.67%
Rural Rate Protection Charge	2,192	0.0021	4.60	2,192	0.0021	4.60	0.00	0.00%	0.96%	0.97%
Ontario Electricity Support Program Charge	2,192	0.0011	2.41	2,192	0.0011	2.41	0.00	0.00%	0.50%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.16			15.16	0.00	0.00%	3.16%	3.21%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.91%	2.96%
Total Electricity Charge on Two-Tier RPP			452.24			457.42	5.18	1.15%	95.24%	
HST		0.13	58.79		0.13	59.47	0.67	1.15%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			511.04			516.89	5.85	1.15%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.18		-0.08	-36.59	-0.41	1.15%	-7.62%	
Total Amount on Two-Tier RPP			474.86			480.29	5.44	1.15%	100.00%	
Total Electricity Charge on TOU (before HST)			444.68			449.86	5.18	1.16%		95.24%
HST		0.13	57.81		0.13	58.48	0.67	1.16%		12.38%
Total Electricity Charge on TOU (including HST)			502.49			508.34	5.85	1.16%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.57		-0.08	-35.99	-0.41	1.16%		-7.62%
Total Amount on TOU			466.91			472.35	5.44	1.16%		100.00%

2019 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 23 of 45

Rate Class	GSe
Monthly Consumption (kWh)	1982
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2172
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	16.22%	
Energy Second Tier (kWh)	1,232	0.121	149.07	1,232	0.121	149.07	0.00	0.00%	31.31%	
Sub-Total: Energy (RPP)			226.32			226.32	0.00	0.00%	47.53%	
TOU-Off Peak	1,288	0.087	112.08	1,288	0.087	112.08	0.00	0.00%		23.93%
TOU-Mid Peak	337	0.132	44.48	337	0.132	44.48	0.00	0.00%		9.50%
TOU-On Peak	357	0.180	64.22	357	0.180	64.22	0.00	0.00%		13.71%
Sub-Total: Energy (TOU)			220.77			220.77	0.00	0.00%	46.37%	47.13%
Service Charge	1	29.68	29.68	1	30.26	30.26	0.58	1.95%	6.36%	6.46%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,982	0.0591	117.14	1,982	0.0614	121.69	4.56	3.89%	25.56%	25.98%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,982	0.0002	0.40	1,982	0.0002	0.40	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			147.21			152.35	5.14	3.49%	32.00%	32.53%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	190	0.12	23.02	190	0.12	23.02	0.00	0.00%	4.84%	4.92%
Line Losses on Cost of Power (based on TOU prices)	190	0.11	21.19	190	0.11	21.19	0.00	0.00%	4.45%	4.52%
Sub-Total: Distribution (based on two-tier RPP prices)			171.03			176.16	5.14	3.00%	37.00%	37.61%
Sub-Total: Distribution (based on TOU prices)			169.20			174.34	5.14	3.04%	36.61%	37.22%
Retail Transmission Rate – Network Service Rate	2,172	0.0057	12.37	2,172	0.0057	12.37	0.00	0.00%	2.60%	2.64%
Retail Transmission Rate – Line and Transformation Connection \$	2,172	0.0045	9.72	2,172	0.0045	9.72	0.00	0.00%	2.04%	2.07%
Sub-Total: Retail Transmission			22.09			22.09	0.00	0.00%	4.64%	4.72%
Sub-Total: Delivery (based on two-tier RPP prices)			193.11			198.25	5.14	2.66%	41.64%	42.33%
Sub-Total: Delivery (based on TOU prices)			191.28			196.42	5.14	2.69%	41.25%	41.93%
Wholesale Market Service Rate	2,172	0.0036	7.82	2,172	0.0036	7.82	0.00	0.00%	1.64%	1.67%
Rural Rate Protection Charge	2,172	0.0021	4.56	2,172	0.0021	4.56	0.00	0.00%	0.96%	0.97%
Ontario Electricity Support Program Charge	2,172	0.0011	2.39	2,172	0.0011	2.39	0.00	0.00%	0.50%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.02			15.02	0.00	0.00%	3.15%	3.21%
Debt Retirement Charge (DRC)	1,982	0.007	13.87	1,982	0.007	13.87	0.00	0.00%	2.91%	2.96%
Total Electricity Charge on Two-Tier RPP			448.33			453.47	5.14	1.15%	95.24%	
HST		0.13	58.28		0.13	58.95	0.67	1.15%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			506.61			512.42	5.81	1.15%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.87		-0.08	-36.28	-0.41	1.15%	-7.62%	
Total Amount on Two-Tier RPP			470.74			476.14	5.40	1.15%	100.00%	
Total Electricity Charge on TOU (before HST)			440.95			446.09	5.14	1.17%		95.24%
HST		0.13	57.32		0.13	57.99	0.67	1.17%	12.38%	
Total Electricity Charge on TOU (including HST)			498.28			504.08	5.81	1.17%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.28		-0.08	-35.69	-0.41	1.17%	-7.62%	
Total Amount on TOU			463.00			468.40	5.40	1.17%		100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 24 of 45

Rate Class	GSe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.22%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	49.54%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	51.76%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		25.48%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		10.11%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		14.60%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	48.00%	50.19%
Service Charge	1	29.68	29.68	1	30.26	30.26	0.58	1.95%	0.87%	0.91%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0591	886.50	15,000	0.0614	921.00	34.50	3.89%	26.46%	27.67%
Volumetric Deferral/Variance Account Rider (including CBR Class	15,000	0.0002	3.00	15,000	0.0002	3.00	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			919.18			954.26	35.08	3.82%	27.42%	28.66%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.12	174.24	1,440	0.12	174.24	0.00	0.00%	5.01%	5.23%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.11	160.40	1,440	0.11	160.40	0.00	0.00%	4.61%	4.82%
Sub-Total: Distribution (based on two-tier RPP prices)			1,094.21			1,129.29	35.08	3.21%	32.44%	33.92%
Sub-Total: Distribution (based on TOU prices)			1,080.37			1,115.45	35.08	3.25%	32.05%	33.51%
Retail Transmission Rate – Network Service Rate	16,440	0.0057	93.59	16,440	0.0057	93.59	0.00	0.00%	2.69%	2.81%
Retail Transmission Rate – Line and Transformation Connection \$	16,440	0.0045	73.55	16,440	0.0045	73.55	0.00	0.00%	2.11%	2.21%
Sub-Total: Retail Transmission			167.15			167.15	0.00	0.00%	4.80%	5.02%
Sub-Total: Delivery (based on two-tier RPP prices)			1,261.36			1,296.44	35.08	2.78%	37.25%	38.94%
Sub-Total: Delivery (based on TOU prices)			1,247.52			1,282.60	35.08	2.81%	36.85%	38.53%
Wholesale Market Service Rate	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.70%	1.78%
Rural Rate Protection Charge	16,440	0.0021	34.52	16,440	0.0021	34.52	0.00	0.00%	0.99%	1.04%
Ontario Electricity Support Program Charge	16,440	0.0011	18.08	16,440	0.0011	18.08	0.00	0.00%	0.52%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			112.04			112.04	0.00	0.00%	3.22%	3.37%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.02%	3.15%
Total Electricity Charge on Two-Tier RPP			3,279.90			3,314.98	35.08	1.07%	95.24%	
HST		0.13	426.39		0.13	430.95	4.56	1.07%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,706.28			3,745.92	39.64	1.07%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-262.39		-0.08	-265.20	-2.81	1.07%	-7.62%	
Total Amount on Two-Tier RPP			3,443.89			3,480.73	36.83	1.07%	100.00%	
Total Electricity Charge on TOU (before HST)			3,135.41			3,170.49	35.08	1.12%		95.24%
HST		0.13	407.60		0.13	412.16	4.56	1.12%		12.38%
Total Electricity Charge on TOU (including HST)			3,543.01			3,582.65	39.64	1.12%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-250.83		-0.08	-253.64	-2.81	1.12%		-7.62%
Total Amount on TOU			3,292.18			3,329.01	36.83	1.12%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 25 of 45

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.103	1,622.25	15,750	0.103	1,622.25	0.00	0.00%	51.20%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,622.25			1,622.25	0.00	0.00%	51.20%
Service Charge	1	101.13	101.13	1	102.94	102.94	1.81	1.79%	3.25%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	9.5977	575.86	60	9.9375	596.25	20.39	3.54%	18.82%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0646	3.88	60	0.0646	3.88	0.00	0.00%	0.12%
Volumetric Global Adjustment Account Rider	15,750	0.0019	29.93	15,750	0.0019	29.93	0.00	0.00%	0.94%
Sub-Total: Distribution			710.80			733.00	22.20	3.12%	23.14%
Retail Transmission Rate – Network Service Rate	60	2.23104	133.86	60	2.2310	133.86	0.00	0.00%	4.23%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.704675	102.28	60	1.7047	102.28	0.00	0.00%	3.23%
Sub-Total: Retail Transmission			236.14			236.14	0.00	0.00%	7.45%
Sub-Total: Delivery			946.95			969.14	22.20	2.34%	30.59%
Wholesale Market Service Rate	15,750	0.0036	56.70	15,750	0.0036	56.70	0.00	0.00%	1.79%
Rural Rate Protection Charge	15,750	0.0021	33.08	15,750	0.0021	33.08	0.00	0.00%	1.04%
Ontario Electricity Support Program Charge	15,750	0.0011	17.33	15,750	0.0011	17.33	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			107.35			107.35	0.00	0.00%	3.39%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.31%
Total Electricity Charge on Two-Tier RPP (before HST)			2,781.55			2,803.74	22.20	0.80%	88.50%
HST		0.13	361.60		0.13	364.49	2.89	0.80%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,143.15			3,168.23	25.08	0.80%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,143.15			3,168.23	25.08	0.80%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 26 of 45

Rate Class	UGd
Monthly Consumption (kWh)	50,525
Peak (kW)	135
Loss factor	1.050
Load factor	51%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	53,051
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	53,051	0.103	5,464.28	53,051	0.103	5,464.28	0.00	0.00%	58.51%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,464.28			5,464.28	0.00	0.00%	58.51%
Service Charge	1	101.13	101.13	1	102.94	102.94	1.81	1.79%	1.10%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	135	9.5977	1,295.69	135	9.9375	1,341.56	45.87	3.54%	14.37%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	135	0.0646	8.72	135	0.0646	8.72	0.00	0.00%	0.09%
Volumetric Global Adjustment Account Rider	53,051	0.0019	100.80	53,051	0.0019	100.80	0.00	0.00%	1.08%
Sub-Total: Distribution			1,506.35			1,554.03	47.68	3.17%	16.64%
Retail Transmission Rate – Network Service Rate	135	2.23104	301.19	135	2.2310	301.19	0.00	0.00%	3.23%
Retail Transmission Rate – Line and Transformation Connection Service Rate	135	1.704675	230.13	135	1.7047	230.13	0.00	0.00%	2.46%
Sub-Total: Retail Transmission			531.32			531.32	0.00	0.00%	5.69%
Sub-Total: Delivery			2,037.67			2,085.35	47.68	2.34%	22.33%
Wholesale Market Service Rate	53,051	0.0036	190.98	53,051	0.0036	190.98	0.00	0.00%	2.05%
Rural Rate Protection Charge	53,051	0.0021	111.41	53,051	0.0021	111.41	0.00	0.00%	1.19%
Ontario Electricity Support Program Charge	53,051	0.0011	58.36	53,051	0.0011	58.36	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			361.00			361.00	0.00	0.00%	3.87%
Debt Retirement Charge (DRC)	50,525	0.007	353.68	50,525	0.007	353.68	0.00	0.00%	3.79%
Total Electricity Charge on Two-Tier RPP (before HST)			8,216.62			8,264.30	47.68	0.58%	88.50%
HST		0.13	1,068.16		0.13	1,074.36	6.20	0.58%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			9,284.78			9,338.66	53.88	0.58%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			9,284.78			9,338.66	53.88	0.58%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 27 of 45

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.103	18,926.25	183,750	0.103	18,926.25	0.00	0.00%	58.11%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,926.25			18,926.25	0.00	0.00%	58.11%
Service Charge	1	101.13	101.13	1	102.94	102.94	1.81	1.79%	0.32%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	9.5977	4,798.85	500	9.9375	4,968.75	169.90	3.54%	15.26%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0646	32.30	500	0.0646	32.30	0.00	0.00%	0.10%
Volumetric Global Adjustment Account Rider	183,750	0.0019	349.13	183,750	0.0019	349.13	0.00	0.00%	1.07%
Sub-Total: Distribution			5,281.42			5,453.13	171.71	3.25%	16.74%
Retail Transmission Rate – Network Service Rate	500	2.23104	1,115.52	500	2.2310	1,115.52	0.00	0.00%	3.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.704675	852.34	500	1.7047	852.34	0.00	0.00%	2.62%
Sub-Total: Retail Transmission			1,967.86			1,967.86	0.00	0.00%	6.04%
Sub-Total: Delivery			7,249.27			7,420.98	171.71	2.37%	22.79%
Wholesale Market Service Rate	183,750	0.0036	661.50	183,750	0.0036	661.50	0.00	0.00%	2.03%
Rural Rate Protection Charge	183,750	0.0021	385.88	183,750	0.0021	385.88	0.00	0.00%	1.18%
Ontario Electricity Support Program Charge	183,750	0.0011	202.13	183,750	0.0011	202.13	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,249.75			1,249.75	0.00	0.00%	3.84%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.76%
Total Electricity Charge on Two-Tier RPP (before HST)			28,650.27			28,821.98	171.71	0.60%	88.50%
HST		0.13	3,724.54		0.13	3,746.86	22.32	0.60%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			32,374.81			32,568.84	194.03	0.60%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			32,374.81			32,568.84	194.03	0.60%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 28 of 45

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.103	1,639.25	15,915	0.103	1,639.25	0.00	0.00%	45.22%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,639.25			1,639.25	0.00	0.00%	45.22%
Service Charge	1	102.93	102.93	1	104.42	104.42	1.49	1.45%	2.88%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	16.7653	1,005.92	60	17.3532	1,041.19	35.27	3.51%	28.72%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0470	2.82	60	0.0470	2.82	0.00	0.00%	0.08%
Volumetric Global Adjustment Account Rider	15,915	0.0019	30.24	15,915	0.0019	30.24	0.00	0.00%	0.83%
Sub-Total: Distribution			1,141.89			1,178.65	36.76	3.22%	32.51%
Retail Transmission Rate – Network Service Rate	60	1.6718177	100.31	60	1.6718	100.31	0.00	0.00%	2.77%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2769135	76.61	60	1.2769	76.61	0.00	0.00%	2.11%
Sub-Total: Retail Transmission			176.92			176.92	0.00	0.00%	4.88%
Sub-Total: Delivery			1,318.81			1,355.57	36.76	2.79%	37.39%
Wholesale Market Service Rate	15,915	0.0036	57.29	15,915	0.0036	57.29	0.00	0.00%	1.58%
Rural Rate Protection Charge	15,915	0.0021	33.42	15,915	0.0021	33.42	0.00	0.00%	0.92%
Ontario Electricity Support Program Charge	15,915	0.0011	17.51	15,915	0.0011	17.51	0.00	0.00%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.47			108.47	0.00	0.00%	2.99%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.90%
Total Electricity Charge on Two-Tier RPP (before HST)			3,171.53			3,208.29	36.76	1.16%	88.50%
HST		0.13	412.30		0.13	417.08	4.78	1.16%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,583.83			3,625.37	41.54	1.16%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,583.83			3,625.37	41.54	1.16%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 29 of 45

Rate Class	GSd
Monthly Consumption (kWh)	36,104
Peak (kW)	124
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	38,306
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	38,306	0.103	3,945.55	38,306	0.103	3,945.55	0.00	0.00%	48.77%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,945.55			3,945.55	0.00	0.00%	48.77%
Service Charge	1	102.93	102.93	1	104.42	104.42	1.49	1.45%	1.29%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	124	16.7653	2,078.90	124	17.3532	2,151.80	72.90	3.51%	26.60%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	124	0.0470	5.83	124	0.0470	5.83	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	38,306	0.0019	72.78	38,306	0.0019	72.78	0.00	0.00%	0.90%
Sub-Total: Distribution			2,260.42			2,334.81	74.39	3.29%	28.86%
Retail Transmission Rate – Network Service Rate	124	1.6718177	207.31	124	1.6718	207.31	0.00	0.00%	2.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	124	1.2769135	158.34	124	1.2769	158.34	0.00	0.00%	1.96%
Sub-Total: Retail Transmission			365.64			365.64	0.00	0.00%	4.52%
Sub-Total: Delivery			2,626.06			2,700.45	74.39	2.83%	33.38%
Wholesale Market Service Rate	38,306	0.0036	137.90	38,306	0.0036	137.90	0.00	0.00%	1.70%
Rural Rate Protection Charge	38,306	0.0021	80.44	38,306	0.0021	80.44	0.00	0.00%	0.99%
Ontario Electricity Support Program Charge	38,306	0.0011	42.14	38,306	0.0011	42.14	0.00	0.00%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			260.73			260.73	0.00	0.00%	3.22%
Debt Retirement Charge (DRC)	36,104	0.007	252.73	36,104	0.007	252.73	0.00	0.00%	3.12%
Total Electricity Charge on Two-Tier RPP (before HST)			7,085.07			7,159.46	74.39	1.05%	88.50%
HST		0.13	921.06		0.13	930.73	9.67	1.05%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			8,006.13			8,090.19	84.06	1.05%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			8,006.13			8,090.19	84.06	1.05%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 30 of 45

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.103	19,124.53	185,675	0.103	19,124.53	0.00	0.00%	52.49%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,124.53			19,124.53	0.00	0.00%	52.49%
Service Charge	1	102.93	102.93	1	104.42	104.42	1.49	1.45%	0.29%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	16.7653	8,382.65	500	17.3532	8,676.60	293.95	3.51%	23.81%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0470	23.50	500	0.0470	23.50	0.00	0.00%	0.06%
Volumetric Global Adjustment Account Rider	185,675	0.0019	352.78	185,675	0.0019	352.78	0.00	0.00%	0.97%
Sub-Total: Distribution			8,861.84			9,157.28	295.44	3.33%	25.13%
Retail Transmission Rate – Network Service Rate	500	1.6718177	835.91	500	1.6718	835.91	0.00	0.00%	2.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2769135	638.46	500	1.2769	638.46	0.00	0.00%	1.75%
Sub-Total: Retail Transmission			1,474.37			1,474.37	0.00	0.00%	4.05%
Sub-Total: Delivery			10,336.21			10,631.65	295.44	2.86%	29.18%
Wholesale Market Service Rate	185,675	0.0036	668.43	185,675	0.0036	668.43	0.00	0.00%	1.83%
Rural Rate Protection Charge	185,675	0.0021	389.92	185,675	0.0021	389.92	0.00	0.00%	1.07%
Ontario Electricity Support Program Charge	185,675	0.0011	204.24	185,675	0.0011	204.24	0.00	0.00%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,262.84			1,262.84	0.00	0.00%	3.47%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.36%
Total Electricity Charge on Two-Tier RPP (before HST)			31,948.57			32,244.01	295.44	0.92%	88.50%
HST		0.13	4,153.31		0.13	4,191.72	38.41	0.92%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			36,101.89			36,435.73	333.85	0.92%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			36,101.89			36,435.73	333.85	0.92%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 31 of 45

Rate Class	DGen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.103	32.78	318	0.103	32.78	0.00	0.00%	8.44%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			32.78			32.78	0.00	0.00%	8.44%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	50.97%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	10	6.0592	60.59	10	9.5956	95.96	35.36	58.36%	24.70%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10	0.0172	0.17	10	0.0172	0.17	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	318	0.0019	0.60	318	0.0019	0.60	0.00	0.00%	0.16%
Sub-Total: Distribution			259.41			294.77	35.36	13.63%	75.86%
Retail Transmission Rate – Network Service Rate	10	0.6311	6.31	10	0.6311	6.31	0.00	0.00%	1.62%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.5475	5.47	10	0.5475	5.47	0.00	0.00%	1.41%
Sub-Total: Retail Transmission			11.79			11.79	0.00	0.00%	3.03%
Sub-Total: Delivery			271.19			306.56	35.36	13.04%	78.90%
Wholesale Market Service Rate	318	0.0036	1.15	318	0.0036	1.15	0.00	0.00%	0.29%
Rural Rate Protection Charge	318	0.0021	0.67	318	0.0021	0.67	0.00	0.00%	0.17%
Ontario Electricity Support Program Charge	318	0.0011	0.35	318	0.0011	0.35	0.00	0.00%	0.09%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			2.41			2.41	0.00	0.00%	0.62%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.54%
Total Electricity Charge on Two-Tier RPP (before HST)			308.49			343.86	35.36	11.46%	88.50%
HST		0.13	40.10		0.13	44.70	4.60	11.46%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			348.60			388.56	39.96	11.46%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			348.60			388.56	39.96	11.46%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 32 of 45

Rate Class	DGen
Monthly Consumption (kWh)	1,328
Peak (kW)	13
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,409
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,409	0.103	145.13	1,409	0.103	145.13	0.00	0.00%	25.42%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			145.13			145.13	0.00	0.00%	25.42%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	34.68%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	13	6.0592	78.77	13	9.5956	124.74	45.97	58.36%	21.85%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	13	0.0172	0.22	13	0.0172	0.22	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	1,409	0.0019	2.68	1,409	0.0019	2.68	0.00	0.00%	0.47%
Sub-Total: Distribution			279.71			325.68	45.97	16.44%	57.04%
Retail Transmission Rate – Network Service Rate	13	0.6311	8.20	13	0.6311	8.20	0.00	0.00%	1.44%
Retail Transmission Rate – Line and Transformation Connection Service Rate	13	0.5475	7.12	13	0.5475	7.12	0.00	0.00%	1.25%
Sub-Total: Retail Transmission			15.32			15.32	0.00	0.00%	2.68%
Sub-Total: Delivery			295.03			341.00	45.97	15.58%	59.73%
Wholesale Market Service Rate	1,409	0.0036	5.07	1,409	0.0036	5.07	0.00	0.00%	0.89%
Rural Rate Protection Charge	1,409	0.0021	2.96	1,409	0.0021	2.96	0.00	0.00%	0.52%
Ontario Electricity Support Program Charge	1,409	0.0011	1.55	1,409	0.0011	1.55	0.00	0.00%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			9.83			9.83	0.00	0.00%	1.72%
Debt Retirement Charge (DRC)	1,328	0.007	9.30	1,328	0.007	9.30	0.00	0.00%	1.63%
Total Electricity Charge on Two-Tier RPP (before HST)			459.29			505.26	45.97	10.01%	88.50%
HST		0.13	59.71		0.13	65.68	5.98	10.01%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			518.99			570.94	51.95	10.01%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			518.99			570.94	51.95	10.01%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 33 of 45

Rate Class	DGen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.103	546.42	5,305	0.103	546.42	0.00	0.00%	25.38%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			546.42			546.42	0.00	0.00%	25.38%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	9.20%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	6.0592	605.92	100	9.5956	959.56	353.64	58.36%	44.58%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0172	1.72	100	0.0172	1.72	0.00	0.00%	0.08%
Volumetric Global Adjustment Account Rider	5,305	0.0019	10.08	5,305	0.0019	10.08	0.00	0.00%	0.47%
Sub-Total: Distribution			815.76			1,169.40	353.64	43.35%	54.32%
Retail Transmission Rate – Network Service Rate	100	0.6311	63.11	100	0.6311	63.11	0.00	0.00%	2.93%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.5475	54.75	100	0.5475	54.75	0.00	0.00%	2.54%
Sub-Total: Retail Transmission			117.86			117.86	0.00	0.00%	5.47%
Sub-Total: Delivery			933.62			1,287.26	353.64	37.88%	59.80%
Wholesale Market Service Rate	5,305	0.0036	19.10	5,305	0.0036	19.10	0.00	0.00%	0.89%
Rural Rate Protection Charge	5,305	0.0021	11.14	5,305	0.0021	11.14	0.00	0.00%	0.52%
Ontario Electricity Support Program Charge	5,305	0.0011	5.84	5,305	0.0011	5.84	0.00	0.00%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			36.32			36.32	0.00	0.00%	1.69%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.63%
Total Electricity Charge on Two-Tier RPP (before HST)			1,551.35			1,904.99	353.64	22.80%	88.50%
HST		0.13	201.68		0.13	247.65	45.97	22.80%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			1,753.03			2,152.64	399.61	22.80%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			1,753.03			2,152.64	399.61	22.80%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 34 of 45

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.103	21,300.40	206,800	0.103	21,300.40	0.00	0.00%	63.69%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			21,300.40			21,300.40	0.00	0.00%	63.69%
Service Charge	1	1204.08	1,204.08	1	1226.63	1,226.63	22.55	1.87%	3.67%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.01%
Distribution Volumetric Rate	500	1.315307	657.65	500	1.3683021	684.15	26.50	4.03%	2.05%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.2729	136.45	500	0.2729	136.45	0.00	0.00%	0.41%
Volumetric Global Adjustment Account Rider	206,800	0.0019	392.92	206,800	0.0019	392.92	0.00	0.00%	1.17%
Sub-Total: Distribution			2,394.93			2,443.98	49.05	2.05%	7.31%
Retail Transmission Rate – Network Service Rate	500	3.4866	1,743.32	500	3.4866	1,743.32	0.00	0.00%	5.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6022	1,301.08	500	2.6022	1,301.08	0.00	0.00%	3.89%
Sub-Total: Retail Transmission			3,044.41			3,044.41	0.00	0.00%	9.10%
Sub-Total: Delivery			5,439.34			5,488.39	49.05	0.90%	16.41%
Wholesale Market Service Rate	206,800	0.0036	744.48	206,800	0.0036	744.48	0.00	0.00%	2.23%
Rural Rate Protection Charge	206,800	0.0021	434.28	206,800	0.0021	434.28	0.00	0.00%	1.30%
Ontario Electricity Support Program Charge	206,800	0.0011	227.48	206,800	0.0011	227.48	0.00	0.00%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,406.49			1,406.49	0.00	0.00%	4.21%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.19%
Total Electricity Charge on Two-Tier RPP (before HST)			29,546.23			29,595.28	49.05	0.17%	88.50%
HST		0.13	3,841.01		0.13	3,847.39	6.38	0.17%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			33,387.24			33,442.66	55.42	0.17%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			33,387.24			33,442.66	55.42	0.17%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 35 of 45

Rate Class	ST
Monthly Consumption (kWh)	1,601,036
Peak (kW)	3,091
Loss factor	1.034
Load factor	71%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,655,471
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,655,471	0.103	170,513.54	1,655,471	0.103	170,513.54	0.00	0.00%	68.20%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			170,513.54			170,513.54	0.00	0.00%	68.20%
Service Charge	1	1204.08	1,204.08	1	1226.63	1,226.63	22.55	1.87%	0.49%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	3,091	1.315307	4,065.61	3,091	1.3683021	4,229.42	163.81	4.03%	1.69%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	3,091	0.2729	843.53	3,091	0.2729	843.53	0.00	0.00%	0.34%
Volumetric Global Adjustment Account Rider	1,655,471	0.0019	3,145.40	1,655,471	0.0019	3,145.40	0.00	0.00%	1.26%
Sub-Total: Distribution			9,262.45			9,448.81	186.36	2.01%	3.78%
Retail Transmission Rate – Network Service Rate	3,091	3.4866	10,777.23	3,091	3.4866	10,777.23	0.00	0.00%	4.31%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,091	2.6022	8,043.29	3,091	2.6022	8,043.29	0.00	0.00%	3.22%
Sub-Total: Retail Transmission			18,820.52			18,820.52	0.00	0.00%	7.53%
Sub-Total: Delivery			28,082.97			28,269.33	186.36	0.66%	11.31%
Wholesale Market Service Rate	1,655,471	0.0036	5,959.70	1,655,471	0.0036	5,959.70	0.00	0.00%	2.38%
Rural Rate Protection Charge	1,655,471	0.0021	3,476.49	1,655,471	0.0021	3,476.49	0.00	0.00%	1.39%
Ontario Electricity Support Program Charge	1,655,471	0.0011	1,821.02	1,655,471	0.0011	1,821.02	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			11,257.45			11,257.45	0.00	0.00%	4.50%
Debt Retirement Charge (DRC)	1,601,036	0.007	11,207.25	1,601,036	0.007	11,207.25	0.00	0.00%	4.48%
Total Electricity Charge on Two-Tier RPP (before HST)			221,061.21			221,247.57	186.36	0.08%	88.50%
HST		0.13	28,737.96		0.13	28,762.18	24.23	0.08%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			249,799.17			250,009.76	210.58	0.08%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			249,799.17			250,009.76	210.58	0.08%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 36 of 45

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.103	426,008.00	4,136,000	0.103	426,008.00	0.00	0.00%	66.31%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			426,008.00			426,008.00	0.00	0.00%	66.31%
Service Charge	1	1204.08	1,204.08	1	1226.63	1,226.63	22.55	1.87%	0.19%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	10,000	1.315307	13,153.07	10,000	1.3683021	13,683.02	529.95	4.03%	2.13%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0.2729	2,729.00	10,000	0.2729	2,729.00	0.00	0.00%	0.42%
Volumetric Global Adjustment Account Rider	4,136,000	0.0019	7,858.40	4,136,000	0.0019	7,858.40	0.00	0.00%	1.22%
Sub-Total: Distribution			24,948.38			25,500.88	552.50	2.21%	3.97%
Retail Transmission Rate – Network Service Rate	10,000	3.4866	34,866.48	10,000	3.4866	34,866.48	0.00	0.00%	5.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6022	26,021.64	10,000	2.6022	26,021.64	0.00	0.00%	4.05%
Sub-Total: Retail Transmission			60,888.12			60,888.12	0.00	0.00%	9.48%
Sub-Total: Delivery			85,836.50			86,389.00	552.50	0.64%	13.45%
Wholesale Market Service Rate	4,136,000	0.0036	14,889.60	4,136,000	0.0036	14,889.60	0.00	0.00%	2.32%
Rural Rate Protection Charge	4,136,000	0.0021	8,685.60	4,136,000	0.0021	8,685.60	0.00	0.00%	1.35%
Ontario Electricity Support Program Charge	4,136,000	0.0011	4,549.60	4,136,000	0.0011	4,549.60	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			28,125.05			28,125.05	0.00	0.00%	4.38%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.36%
Total Electricity Charge on Two-Tier RPP (before HST)			567,969.55			568,522.05	552.50	0.10%	88.50%
HST		0.13	73,836.04		0.13	73,907.87	71.83	0.10%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			641,805.60			642,429.92	624.33	0.10%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			641,805.60			642,429.92	624.33	0.10%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 37 of 45

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	18.66%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	18.66%
Service Charge	1	35.1	35.10	1	35.76	35.76	0.66	1.88%	64.78%
Fixed Deferral/Variance Account Rider	1	-0.010	-0.01	1	-0.010	-0.01	0.00	0.00%	-0.02%
Distribution Volumetric Rate	100	0.0287	2.87	100	0.0293	2.93	0.06	2.09%	5.31%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.04%
Sub-Total: Distribution (excluding pass through)			37.98			38.70	0.72	1.90%	70.10%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	1.72%
Sub-Total: Distribution			38.93			39.65	0.72	1.85%	71.82%
Retail Transmission Rate – Network Service Rate	109	0.00477	0.52	109	0.0048	0.52	0.00	0.00%	0.94%
Retail Transmission Rate – Line and Transformation Connection S	109	0.003795	0.41	109	0.0038	0.41	0.00	0.00%	0.75%
Sub-Total: Retail Transmission			0.94			0.94	0.00	0.00%	1.69%
Sub-Total: Delivery			39.86			40.58	0.72	1.81%	73.51%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	0.71%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.42%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.22%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	1.80%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.27%
Total Electricity Charge on Two-Tier RPP (before HST)			51.86			52.58	0.72	1.39%	95.24%
HST		0.13	6.74		0.13	6.83	0.09	1.39%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			58.60			59.41	0.81	1.39%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.15		-0.08	-4.21	-0.06	1.39%	-7.62%
Total Amount on Two-Tier RPP			54.45			55.20	0.76	1.39%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 38 of 45

Rate Class	USL
Monthly Consumption (kWh)	364
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	397
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	364	0.103	37.49	364	0.103	37.49	0.00	0.00%	37.07%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			37.49			37.49	0.00	0.00%	37.07%
Service Charge	1	35.1	35.10	1	35.76	35.76	0.66	1.88%	35.35%
Fixed Deferral/Variance Account Rider	1	-0.010	-0.01	1	-0.010	-0.01	0.00	0.00%	-0.01%
Distribution Volumetric Rate	364	0.0287	10.45	364	0.0293	10.67	0.22	2.09%	10.54%
Volumetric Deferral/Variance Account Rider (including CBR Class	364	0.0002	0.07	364	0.0002	0.07	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			45.61			46.49	0.88	1.93%	45.96%
Line Losses on Cost of Power	33	0.10	3.45	33	0.10	3.45	0.00	0.00%	3.41%
Sub-Total: Distribution			49.06			49.94	0.88	1.79%	49.37%
Retail Transmission Rate – Network Service Rate	397	0.00477	1.90	397	0.0048	1.90	0.00	0.00%	1.87%
Retail Transmission Rate – Line and Transformation Connection S	397	0.003795	1.51	397	0.0038	1.51	0.00	0.00%	1.49%
Sub-Total: Retail Transmission			3.40			3.40	0.00	0.00%	3.37%
Sub-Total: Delivery			52.46			53.34	0.88	1.67%	52.73%
Wholesale Market Service Rate	397	0.0036	1.43	397	0.0036	1.43	0.00	0.00%	1.41%
Rural Rate Protection Charge	397	0.0021	0.83	397	0.0021	0.83	0.00	0.00%	0.83%
Ontario Electricity Support Program Charge	397	0.0011	0.44	397	0.0011	0.44	0.00	0.00%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.25%
Sub-Total: Regulatory			2.95			2.95	0.00	0.00%	2.92%
Debt Retirement Charge (DRC)	364	0.007	2.55	364	0.007	2.55	0.00	0.00%	2.52%
Total Electricity Charge on Two-Tier RPP (before HST)			95.46			96.33	0.88	0.92%	95.24%
HST		0.13	12.41		0.13	12.52	0.11	0.92%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			107.87			108.86	0.99	0.92%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.64		-0.08	-7.71	-0.07	0.92%	-7.62%
Total Amount on Two-Tier RPP			100.23			101.15	0.92	0.92%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 39 of 45

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	35.39%
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	13.86%
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	49.24%
Service Charge	1	35.1	35.10	1	35.76	35.76	0.66	1.88%	16.38%
Fixed Deferral/Variance Account Rider	1	-0.010	-0.01	1	-0.010	-0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0287	28.70	1,000	0.0293	29.30	0.60	2.09%	13.42%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.09%
Sub-Total: Distribution (excluding pass through)			63.99			65.25	1.26	1.97%	29.89%
Line Losses on Cost of Power	92	0.12	11.13	92	0.12	11.13	0.00	0.00%	5.10%
Sub-Total: Distribution			75.12			76.38	1.26	1.68%	34.99%
Retail Transmission Rate – Network Service Rate	1,092	0.00477	5.21	1,092	0.0048	5.21	0.00	0.00%	2.39%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.003795	4.14	1,092	0.0038	4.14	0.00	0.00%	1.90%
Sub-Total: Retail Transmission			9.35			9.35	0.00	0.00%	4.28%
Sub-Total: Delivery			84.47			85.73	1.26	1.49%	39.27%
Wholesale Market Service Rate	1,092	0.0036	3.93	1,092	0.0036	3.93	0.00	0.00%	1.80%
Rural Rate Protection Charge	1,092	0.0021	2.29	1,092	0.0021	2.29	0.00	0.00%	1.05%
Ontario Electricity Support Program Charge	1,092	0.0011	1.20	1,092	0.0011	1.20	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%
Sub-Total: Regulatory			7.68			7.68	0.00	0.00%	3.52%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.21%
Total Electricity Charge on Two-Tier RPP (before HST)			206.65			207.91	1.26	0.61%	95.24%
HST		0.13	26.86		0.13	27.03	0.16	0.61%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			233.52			234.94	1.42	0.61%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.53		-0.08	-16.63	-0.10	0.61%	-7.62%
Total Amount on Two-Tier RPP			216.98			218.31	1.32	0.61%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 40 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	21.84
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.103	2.06	20	0.103	2.06	0.00	0.00%	22.49%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2.06			2.06	0.00	0.00%	22.49%
Service Charge	1	3.10	3.10	1	3.26	3.26	0.16	5.16%	35.59%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	20	0.1180	2.36	20	0.1239	2.48	0.12	5.00%	27.05%
Volumetric Deferral/Variance Account Rider (including CBR Class	20	0.0001	0.00	20	0.0001	0.00	0.00	0.00%	0.02%
Sub-Total: Distribution (excluding pass through)			5.46			5.74	0.28	5.09%	62.66%
Line Losses on Cost of Power	2	0.10	0.19	2	0.10	0.19	0.00	0.00%	2.07%
Sub-Total: Distribution			5.65			5.93	0.28	4.92%	64.73%
Retail Transmission Rate – Network Service Rate	22	0.0047	0.10	22	0.0047	0.10	0.00	0.00%	1.12%
Retail Transmission Rate – Line and Transformation Connection S	22	0.0043	0.09	22	0.0043	0.09	0.00	0.00%	1.02%
Sub-Total: Retail Transmission			0.20			0.20	0.00	0.00%	2.14%
Sub-Total: Delivery			5.85			6.13	0.28	4.75%	66.87%
Wholesale Market Service Rate	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.86%
Rural Rate Protection Charge	22	0.0021	0.05	22	0.0021	0.05	0.00	0.00%	0.50%
Ontario Electricity Support Program Charge	22	0.0011	0.02	22	0.0011	0.02	0.00	0.00%	0.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.73%
Sub-Total: Regulatory			0.40			0.40	0.00	0.00%	4.35%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.53%
Total Electricity Charge on Two-Tier RPP (before HST)			8.45			8.72	0.28	3.29%	95.24%
HST		0.13	1.10		0.13	1.13	0.04	3.29%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			9.54			9.86	0.31	3.29%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-0.68		-0.08	-0.70	-0.02	3.29%	-7.62%
Total Amount on Two-Tier RPP			8.87			9.16	0.29	3.29%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 41 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	71
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	78
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	71	0.103	7.31	71	0.103	7.31	0.00	0.00%	31.63%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.31			7.31	0.00	0.00%	31.63%
Service Charge	1	3.10	3.10	1	3.26	3.26	0.16	5.16%	14.10%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	71	0.1180	8.38	71	0.1239	8.80	0.42	5.00%	38.05%
Volumetric Deferral/Variance Account Rider (including CBR Class	71	0.0001	0.01	71	0.0001	0.01	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			11.49			12.06	0.58	5.04%	52.18%
Line Losses on Cost of Power	7	0.10	0.67	7	0.10	0.67	0.00	0.00%	2.91%
Sub-Total: Distribution			12.16			12.74	0.58	4.76%	55.09%
Retail Transmission Rate – Network Service Rate	78	0.0047	0.36	78	0.0047	0.36	0.00	0.00%	1.58%
Retail Transmission Rate – Line and Transformation Connection S	78	0.0043	0.33	78	0.0043	0.33	0.00	0.00%	1.44%
Sub-Total: Retail Transmission			0.70			0.70	0.00	0.00%	3.01%
Sub-Total: Delivery			12.85			13.43	0.58	4.50%	58.10%
Wholesale Market Service Rate	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.21%
Rural Rate Protection Charge	78	0.0021	0.16	78	0.0021	0.16	0.00	0.00%	0.70%
Ontario Electricity Support Program Charge	78	0.0011	0.09	78	0.0011	0.09	0.00	0.00%	0.37%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.08%
Sub-Total: Regulatory			0.78			0.78	0.00	0.00%	3.36%
Debt Retirement Charge (DRC)	71	0.007	0.50	71	0.007	0.50	0.00	0.00%	2.15%
Total Electricity Charge on Two-Tier RPP (before HST)			21.44			22.02	0.58	2.70%	95.24%
HST		0.13	2.79		0.13	2.86	0.08	2.70%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			24.23			24.88	0.65	2.70%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.72		-0.08	-1.76	-0.05	2.70%	-7.62%
Total Amount on Two-Tier RPP			22.51			23.12	0.61	2.70%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 42 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218.4
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.103	20.60	200	0.103	20.60	0.00	0.00%	35.25%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			20.60			20.60	0.00	0.00%	35.25%
Service Charge	1	3.10	3.10	1	3.26	3.26	0.16	5.16%	5.58%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	200	0.1180	23.60	200	0.1239	24.78	1.18	5.00%	42.41%
Volumetric Deferral/Variance Account Rider (including CBR Class	200	0.0001	0.02	200	0.0001	0.02	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			26.72			28.06	1.34	5.01%	48.02%
Line Losses on Cost of Power	18	0.10	1.90	18	0.10	1.90	0.00	0.00%	3.24%
Sub-Total: Distribution			28.62			29.96	1.34	4.68%	51.26%
Retail Transmission Rate – Network Service Rate	218	0.0047	1.03	218	0.0047	1.03	0.00	0.00%	1.76%
Retail Transmission Rate – Line and Transformation Connection S	218	0.0043	0.94	218	0.0043	0.94	0.00	0.00%	1.60%
Sub-Total: Retail Transmission			1.96			1.96	0.00	0.00%	3.36%
Sub-Total: Delivery			30.58			31.92	1.34	4.38%	54.62%
Wholesale Market Service Rate	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.35%
Rural Rate Protection Charge	218	0.0021	0.46	218	0.0021	0.46	0.00	0.00%	0.78%
Ontario Electricity Support Program Charge	218	0.0011	0.24	218	0.0011	0.24	0.00	0.00%	0.41%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.43%
Sub-Total: Regulatory			1.74			1.74	0.00	0.00%	2.97%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.40%
Total Electricity Charge on Two-Tier RPP (before HST)			54.31			55.65	1.34	2.47%	95.24%
HST		0.13	7.06		0.13	7.23	0.17	2.47%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			61.37			62.89	1.51	2.47%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.35		-0.08	-4.45	-0.11	2.47%	-7.62%
Total Amount on Two-Tier RPP			57.03			58.44	1.41	2.47%	100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 43 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	34.69%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	34.69%
Service Charge	1	4.08	4.08	1	4.21	4.21	0.13	3.19%	14.18%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	0.0980	9.80	100	0.1013	10.13	0.33	3.37%	34.11%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			13.90			14.36	0.46	3.31%	48.36%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	3.19%
Sub-Total: Distribution			14.85			15.31	0.46	3.10%	51.55%
Retail Transmission Rate – Network Service Rate	109	0.004698	0.51	109	0.0047	0.51	0.00	0.00%	1.73%
Retail Transmission Rate – Line and Transformation Connection S	109	0.00429	0.47	109	0.0043	0.47	0.00	0.00%	1.58%
Sub-Total: Retail Transmission			0.98			0.98	0.00	0.00%	3.31%
Sub-Total: Delivery			15.83			16.29	0.46	2.91%	54.85%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	1.32%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.77%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.84%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	3.34%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.36%
Total Electricity Charge on Two-Tier RPP (before HST)			27.82			28.28	0.46	1.65%	95.24%
HST		0.13	3.62		0.13	3.68	0.06	1.65%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			31.44			31.96	0.52	1.65%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-2.23		-0.08	-2.26	-0.04	1.65%	-7.62%
Total Amount on Two-Tier RPP			29.21			29.70	0.48	1.65%	100.00%

2019 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 44 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	517
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	565
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	517	0.103	53.25	517	0.103	53.25	0.00	0.00%	39.88%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53.25			53.25	0.00	0.00%	39.88%
Service Charge	1	4.08	4.08	1	4.21	4.21	0.13	3.19%	3.15%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	517	0.0980	50.67	517	0.1013	52.37	1.71	3.37%	39.22%
Volumetric Deferral/Variance Account Rider (including CBR Class)	517	0.0002	0.10	517	0.0002	0.10	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			54.85			56.69	1.84	3.35%	42.45%
Line Losses on Cost of Power	48	0.10	4.90	48	0.10	4.90	0.00	0.00%	3.67%
Sub-Total: Distribution			59.75			61.58	1.84	3.07%	46.12%
Retail Transmission Rate – Network Service Rate	565	0.004698	2.65	565	0.0047	2.65	0.00	0.00%	1.99%
Retail Transmission Rate – Line and Transformation Connection S	565	0.00429	2.42	565	0.0043	2.42	0.00	0.00%	1.81%
Sub-Total: Retail Transmission			5.07			5.07	0.00	0.00%	3.80%
Sub-Total: Delivery			64.82			66.66	1.84	2.83%	49.92%
Wholesale Market Service Rate	565	0.0036	2.03	565	0.0036	2.03	0.00	0.00%	1.52%
Rural Rate Protection Charge	565	0.0013	0.73	565	0.0013	0.73	0.00	0.00%	0.55%
Ontario Electricity Support Program Charge	565	0.0011	0.62	565	0.0011	0.62	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%
Sub-Total: Regulatory			3.64			3.64	0.00	0.00%	2.72%
Debt Retirement Charge (DRC)	517	0.007	3.62	517	0.007	3.62	0.00	0.00%	2.71%
Total Electricity Charge on Two-Tier RPP (before HST)			125.33			127.17	1.84	1.47%	95.24%
HST		0.13	16.29		0.13	16.53	0.24	1.47%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			141.62			143.70	2.07	1.47%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.03		-0.08	-10.17	-0.15	1.47%	-7.62%
Total Amount on Two-Tier RPP			131.60			133.52	1.93	1.47%	100.00%

2019 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 2
Page 45 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.52%
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	28.43%
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	42.95%
Service Charge	1	4.08	4.08	1	4.21	4.21	0.13	3.19%	0.79%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0980	196.00	2,000	0.1013	202.60	6.60	3.37%	38.08%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			200.48			207.21	6.73	3.36%	38.95%
Line Losses on Cost of Power	184	0.12	22.26	184	0.12	22.26	0.00	0.00%	4.18%
Sub-Total: Distribution			222.74			229.47	6.73	3.02%	43.13%
Retail Transmission Rate – Network Service Rate	2,184	0.004698	10.26	2,184	0.0047	10.26	0.00	0.00%	1.93%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.00429	9.37	2,184	0.0043	9.37	0.00	0.00%	1.76%
Sub-Total: Retail Transmission			19.63			19.63	0.00	0.00%	3.69%
Sub-Total: Delivery			242.37			249.10	6.73	2.78%	46.82%
Wholesale Market Service Rate	2,184	0.0036	7.86	2,184	0.0036	7.86	0.00	0.00%	1.48%
Rural Rate Protection Charge	2,184	0.0021	4.59	2,184	0.0021	4.59	0.00	0.00%	0.86%
Ontario Electricity Support Program Charge	2,184	0.0011	2.40	2,184	0.0011	2.40	0.00	0.00%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			15.10			15.10	0.00	0.00%	2.84%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.63%
Total Electricity Charge on Two-Tier RPP (before HST)			499.97			506.70	6.73	1.35%	95.24%
HST		0.13	65.00		0.13	65.87	0.87	1.35%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			564.97			572.58	7.60	1.35%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.00		-0.08	-40.54	-0.54	1.35%	-7.62%
Total Amount on Two-Tier RPP			524.97			532.04	7.07	1.35%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 1 of 45

Rate Class	UR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	370
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	41.42%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	41.42%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		21.92%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		8.70%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		12.56%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	44.79%	43.17%
Service Charge	1	31.30	31.30	1	35.88	35.88	4.58	14.63%	41.22%	39.73%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	350	0.0047	1.65	350	0.0000	0.00	-1.65	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			33.03			35.96	2.94	8.89%	41.31%	39.82%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.91%	0.87%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.10	2.05	20	0.10	2.05	0.00	0.00%	2.36%	2.28%
Line Losses on Cost of Power (based on TOU prices)	20	0.11	2.22	20	0.11	2.22	0.00	0.00%	2.55%	2.46%
Sub-Total: Distribution (based on two-tier RPP prices)			35.87			38.80	2.94	8.18%	44.58%	42.97%
Sub-Total: Distribution (based on TOU prices)			36.04			38.97	2.94	8.14%	44.77%	43.16%
Retail Transmission Rate – Network Service Rate	370	0.0078	2.90	370	0.0078	2.90	0.00	0.00%	3.33%	3.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	370	0.0064	2.38	370	0.0064	2.38	0.00	0.00%	2.74%	2.64%
Sub-Total: Retail Transmission			5.28			5.28	0.00	0.00%	6.06%	5.84%
Sub-Total: Delivery (based on two-tier RPP prices)			41.15			44.08	2.93	7.13%	50.64%	48.82%
Sub-Total: Delivery (based on TOU prices)			41.31			44.25	2.94	7.10%	50.84%	49.00%
Wholesale Market Service Rate	370	0.0036	1.33	370	0.0036	1.33	0.00	0.00%	1.53%	1.47%
Rural Rate Protection Charge	370	0.0021	0.78	370	0.0021	0.78	0.00	0.00%	0.89%	0.86%
Ontario Electricity Support Program Charge	370	0.0011	0.41	370	0.0011	0.41	0.00	0.00%	0.47%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.29%	0.28%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	3.18%	3.06%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			79.96			82.90	2.93	3.67%	95.24%	
HST		0.13	10.40		0.13	10.78	0.38	3.67%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			90.36			93.67	3.32	3.67%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.40		-0.08	-6.63	-0.23	3.67%	-7.62%	
Total Amount on Two-Tier RPP			83.96			87.04	3.08	3.67%	100.00%	
Total Electricity Charge on TOU (before HST)			83.07			86.00	2.93	3.53%		95.24%
HST		0.13	10.80		0.13	11.18	0.38	3.53%		12.38%
Total Electricity Charge on TOU (including HST)			93.87			97.18	3.32	3.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.65		-0.08	-6.88	-0.23	3.53%		-7.62%
Total Amount on TOU			87.22			90.30	3.08	3.53%		100.00%

2020 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 2 of 45

Rate Class	UR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	793
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	42.37%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.44%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	54.82%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		28.43%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.28%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.29%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	57.28%	56.00%
Service Charge	1	31.3	31.30	1	35.88	35.88	4.58	14.63%	24.60%	24.05%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	750	0.0047	3.53	750	0	0.00	-3.53	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			34.99			36.04	1.06	3.02%	24.71%	24.16%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.53%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.17	43	0.12	5.17	0.00	0.00%	3.55%	3.47%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.76	43	0.11	4.76	0.00	0.00%	3.26%	3.19%
Sub-Total: Distribution (based on two-tier RPP prices)			40.95			42.00	1.06	2.58%	28.80%	28.15%
Sub-Total: Distribution (based on TOU prices)			40.54			41.59	1.06	2.60%	28.52%	27.88%
Retail Transmission Rate – Network Service Rate	793	0.0078	6.21	793	0.0078	6.21	0.00	0.00%	4.25%	4.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	793	0.0064	5.10	793	0.0064	5.10	0.00	0.00%	3.50%	3.42%
Sub-Total: Retail Transmission			11.31			11.31	0.00	0.00%	7.75%	7.58%
Sub-Total: Delivery (based on two-tier RPP prices)			52.26			53.31	1.06	2.02%	36.55%	35.73%
Sub-Total: Delivery (based on TOU prices)			51.85			52.90	1.05	2.03%	36.27%	35.46%
Wholesale Market Service Rate	793	0.0036	2.85	793	0.0036	2.85	0.00	0.00%	1.96%	1.91%
Rural Rate Protection Charge	793	0.0021	1.66	793	0.0021	1.66	0.00	0.00%	1.14%	1.12%
Ontario Electricity Support Program Charge	793	0.0011	0.87	793	0.0011	0.87	0.00	0.00%	0.60%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.64			5.64	0.00	0.00%	3.87%	3.78%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			137.85			138.90	1.05	0.77%	95.24%	
HST		0.13	17.92		0.13	18.06	0.14	0.77%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			155.77			156.96	1.19	0.77%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.03		-0.08	-11.11	-0.08	0.77%	-7.62%	
Total Amount on Two-Tier RPP			144.74			145.85	1.11	0.77%	100.00%	
Total Electricity Charge on TOU (before HST)			141.03			142.08	1.06	0.75%		95.24%
HST		0.13	18.33		0.13	18.47	0.14	0.75%		12.38%
Total Electricity Charge on TOU (including HST)			159.36			160.56	1.19	0.75%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.28		-0.08	-11.37	-0.08	0.75%		-7.62%
Total Amount on TOU			148.08			149.19	1.11	0.75%		100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 3 of 45

Rate Class	UR
Monthly Consumption (kWh)	755
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	798
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	42.14%	
Energy Second Tier (kWh)	155	0.121	18.76	155	0.121	18.76	0.00	0.00%	12.79%	
Sub-Total: Energy (RPP)			80.56			80.56	0.00	0.00%	54.93%	
TOU-Off Peak	491	0.087	42.70	491	0.087	42.70	0.00	0.00%		28.48%
TOU-Mid Peak	128	0.132	16.94	128	0.132	16.94	0.00	0.00%		11.30%
TOU-On Peak	136	0.180	24.46	136	0.180	24.46	0.00	0.00%		16.32%
Sub-Total: Energy (TOU)			84.10			84.10	0.00	0.00%	57.35%	56.09%
Service Charge	1	31.3	31.30	1	35.88	35.88	4.58	14.63%	24.47%	23.93%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	755	0.0047	3.55	755	0	0.00	-3.55	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	755	0.0002	0.15	755	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			35.01			36.04	1.03	2.95%	24.58%	24.04%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.53%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.21	43	0.12	5.21	0.00	0.00%	3.55%	3.47%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.79	43	0.11	4.79	0.00	0.00%	3.27%	3.20%
Sub-Total: Distribution (based on two-tier RPP prices)			41.01			42.04	1.03	2.52%	28.67%	28.04%
Sub-Total: Distribution (based on TOU prices)			40.59			41.62	1.03	2.54%	28.39%	27.76%
Retail Transmission Rate – Network Service Rate	798	0.0078	6.25	798	0.0078	6.25	0.00	0.00%	4.26%	4.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	798	0.0064	5.14	798	0.0064	5.14	0.00	0.00%	3.50%	3.43%
Sub-Total: Retail Transmission			11.38			11.38	0.00	0.00%	7.76%	7.59%
Sub-Total: Delivery (based on two-tier RPP prices)			52.39			53.42	1.03	1.97%	36.43%	35.63%
Sub-Total: Delivery (based on TOU prices)			51.98			53.01	1.03	1.98%	36.15%	35.36%
Wholesale Market Service Rate	798	0.0036	2.87	798	0.0036	2.87	0.00	0.00%	1.96%	1.92%
Rural Rate Protection Charge	798	0.0021	1.68	798	0.0021	1.68	0.00	0.00%	1.14%	1.12%
Ontario Electricity Support Program Charge	798	0.0011	0.88	798	0.0011	0.88	0.00	0.00%	0.60%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.68			5.68	0.00	0.00%	3.87%	3.79%
Debt Retirement Charge (DRC)	755	0.000	0.00	755	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			138.62			139.65	1.03	0.74%	95.24%	
HST		0.13	18.02		0.13	18.16	0.13	0.74%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			156.64			157.81	1.17	0.74%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.09		-0.08	-11.17	-0.08	0.74%	-7.62%	
Total Amount on Two-Tier RPP			145.55			146.64	1.08	0.74%	100.00%	
Total Electricity Charge on TOU (before HST)			141.75			142.79	1.03	0.73%		95.24%
HST		0.13	18.43		0.13	18.56	0.13	0.73%		12.38%
Total Electricity Charge on TOU (including HST)			160.18			161.35	1.17	0.73%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.34		-0.08	-11.42	-0.08	0.73%		-7.62%
Total Amount on TOU			148.84			149.92	1.08	0.73%		100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 4 of 45

Rate Class	UR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1480
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.87%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	38.96%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	63.83%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		32.33%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		12.83%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		18.52%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	62.76%	63.68%
Service Charge	1	31.3	31.30	1	35.88	35.88	4.58	14.63%	14.44%	14.65%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0.0047	6.58	1,400	0	0.00	-6.58	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,400	0.0002	0.28	1,400	0.0002	0.28	0.00	0.00%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			38.17			36.17	-2.00	-5.24%	14.56%	14.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.12	9.66	80	0.12	9.66	0.00	0.00%	3.89%	3.94%
Line Losses on Cost of Power (based on TOU prices)	80	0.11	8.89	80	0.11	8.89	0.00	0.00%	3.58%	3.63%
Sub-Total: Distribution (based on two-tier RPP prices)			48.62			46.62	-2.00	-4.11%	18.76%	19.04%
Sub-Total: Distribution (based on TOU prices)			47.85			45.85	-2.00	-4.18%	18.45%	18.72%
Retail Transmission Rate – Network Service Rate	1,480	0.0078	11.58	1,480	0.0078	11.58	0.00	0.00%	4.66%	4.73%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,480	0.0064	9.53	1,480	0.0064	9.53	0.00	0.00%	3.83%	3.89%
Sub-Total: Retail Transmission			21.11			21.11	0.00	0.00%	8.50%	8.62%
Sub-Total: Delivery (based on two-tier RPP prices)			69.73			67.73	-2.00	-2.87%	27.26%	27.66%
Sub-Total: Delivery (based on TOU prices)			68.96			66.96	-2.00	-2.90%	26.95%	27.34%
Wholesale Market Service Rate	1,480	0.0036	5.33	1,480	0.0036	5.33	0.00	0.00%	2.14%	2.18%
Rural Rate Protection Charge	1,480	0.0021	3.11	1,480	0.0021	3.11	0.00	0.00%	1.25%	1.27%
Ontario Electricity Support Program Charge	1,480	0.0011	1.63	1,480	0.0011	1.63	0.00	0.00%	0.66%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			10.31			10.31	0.00	0.00%	4.15%	4.21%
Debt Retirement Charge (DRC)	1,400	0.000	0.00	1,400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			238.64			236.64	-2.00	-0.84%	95.24%	
HST		0.13	31.02		0.13	30.76	-0.26	-0.84%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			269.66			267.40	-2.26	-0.84%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.09		-0.08	-18.93	0.16	-0.84%	-7.62%	
Total Amount on Two-Tier RPP			250.57			248.47	-2.10	-0.84%	100.00%	
Total Electricity Charge on TOU (before HST)			235.22			233.22	-2.00	-0.85%		95.24%
HST		0.13	30.58		0.13	30.32	-0.26	-0.85%		12.38%
Total Electricity Charge on TOU (including HST)			265.80			263.54	-2.26	-0.85%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.82		-0.08	-18.66	0.16	-0.85%		-7.62%
Total Amount on TOU			246.98			244.88	-2.10	-0.85%		100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 5 of 45

Rate Class	R1
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	430
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	36.47%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	36.47%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		19.37%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		7.69%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		11.10%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	39.44%	38.16%
Service Charge	1	42.25	42.25	1	47.11	47.11	4.86	11.50%	41.70%	40.35%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.0194	7.76	400	0.016	6.40	-1.36	-17.53%	5.67%	5.48%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	400	0.0002	0.08	400	0.0002	0.08	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			50.09			53.59	3.50	6.99%	47.44%	45.90%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.70%	0.68%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.10	3.13	30	0.10	3.13	0.00	0.00%	2.77%	2.68%
Line Losses on Cost of Power (based on TOU prices)	30	0.11	3.39	30	0.11	3.39	0.00	0.00%	3.00%	2.90%
Sub-Total: Distribution (based on two-tier RPP prices)			54.01			57.51	3.50	6.48%	50.91%	49.26%
Sub-Total: Distribution (based on TOU prices)			54.27			57.77	3.50	6.45%	51.14%	49.48%
Retail Transmission Rate – Network Service Rate	430	0.0072	3.10	430	0.0072	3.10	0.00	0.00%	2.75%	2.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.0060	2.60	430	0.0060	2.60	0.00	0.00%	2.30%	2.22%
Sub-Total: Retail Transmission			5.70			5.70	0.00	0.00%	5.04%	4.88%
Sub-Total: Delivery (based on two-tier RPP prices)			59.71			63.21	3.50	5.86%	55.95%	54.14%
Sub-Total: Delivery (based on TOU prices)			59.96			63.46	3.50	5.84%	56.18%	54.36%
Wholesale Market Service Rate	430	0.0036	1.55	430	0.0036	1.55	0.00	0.00%	1.37%	1.33%
Rural Rate Protection Charge	430	0.0021	0.90	430	0.0021	0.90	0.00	0.00%	0.80%	0.77%
Ontario Electricity Support Program Charge	430	0.0011	0.47	430	0.0011	0.47	0.00	0.00%	0.42%	0.41%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.21%
Sub-Total: Regulatory			3.18			3.18	0.00	0.00%	2.81%	2.72%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			104.09			107.59	3.50	3.36%	95.24%	
HST		0.13	13.53		0.13	13.99	0.46	3.36%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			117.62			121.57	3.96	3.36%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.33		-0.08	-8.61	-0.28	3.36%	-7.62%	
Total Amount on Two-Tier RPP			109.29			112.97	3.68	3.36%	100.00%	
Total Electricity Charge on TOU (before HST)			107.70			111.20	3.50	3.25%		95.24%
HST		0.13	14.00		0.13	14.46	0.46	3.25%		12.38%
Total Electricity Charge on TOU (including HST)			121.70			125.65	3.96	3.25%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.62		-0.08	-8.90	-0.28	3.25%		-7.62%
Total Amount on TOU			113.08			116.76	3.68	3.25%		100.00%

2020 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 6 of 45

Rate Class	R1
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	807
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	36.04%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.58%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	46.62%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		24.28%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.63%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		13.91%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	48.72%	47.83%
Service Charge	1	42.25	42.25	1	47.11	47.11	4.86	11.50%	27.47%	26.97%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.0194	14.55	750	0.016	12.00	-2.55	-17.53%	7.00%	6.87%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			56.95			59.26	2.31	4.06%	34.56%	33.92%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.46%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.12	6.90	57	0.12	6.90	0.00	0.00%	4.02%	3.95%
Line Losses on Cost of Power (based on TOU prices)	57	0.11	6.35	57	0.11	6.35	0.00	0.00%	3.70%	3.63%
Sub-Total: Distribution (based on two-tier RPP prices)			64.64			66.95	2.31	3.57%	39.04%	38.33%
Sub-Total: Distribution (based on TOU prices)			64.09			66.40	2.31	3.60%	38.72%	38.01%
Retail Transmission Rate – Network Service Rate	807	0.0072	5.82	807	0.0072	5.82	0.00	0.00%	3.39%	3.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.0060	4.87	807	0.0060	4.87	0.00	0.00%	2.84%	2.79%
Sub-Total: Retail Transmission			10.68			10.68	0.00	0.00%	6.23%	6.12%
Sub-Total: Delivery (based on two-tier RPP prices)			75.32			77.63	2.31	3.07%	45.27%	44.44%
Sub-Total: Delivery (based on TOU prices)			74.77			77.08	2.31	3.09%	44.95%	44.13%
Wholesale Market Service Rate	807	0.0036	2.91	807	0.0036	2.91	0.00	0.00%	1.69%	1.66%
Rural Rate Protection Charge	807	0.0021	1.69	807	0.0021	1.69	0.00	0.00%	0.99%	0.97%
Ontario Electricity Support Program Charge	807	0.0011	0.89	807	0.0011	0.89	0.00	0.00%	0.52%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.14%
Sub-Total: Regulatory			5.74			5.74	0.00	0.00%	3.35%	3.28%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			161.01			163.32	2.31	1.43%	95.24%	
HST		0.13	20.93		0.13	21.23	0.30	1.43%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			181.94			184.55	2.61	1.43%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.88		-0.08	-13.07	-0.18	1.43%	-7.62%	
Total Amount on Two-Tier RPP			169.06			171.48	2.43	1.43%	100.00%	
Total Electricity Charge on TOU (before HST)			164.05			166.36	2.31	1.41%		95.24%
HST		0.13	21.33		0.13	21.63	0.30	1.41%		12.38%
Total Electricity Charge on TOU (including HST)			185.38			187.99	2.61	1.41%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.12		-0.08	-13.31	-0.18	1.41%		-7.62%
Total Amount on TOU			172.26			174.68	2.43	1.41%		100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 7 of 45

Rate Class	R1
Monthly Consumption (kWh)	920
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	990
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	30.68%	
Energy Second Tier (kWh)	320	0.121	38.72	320	0.121	38.72	0.00	0.00%	19.22%	
Sub-Total: Energy (RPP)			100.52			100.52	0.00	0.00%	49.89%	
TOU-Off Peak	598	0.087	52.03	598	0.087	52.03	0.00	0.00%		25.65%
TOU-Mid Peak	156	0.132	20.64	156	0.132	20.64	0.00	0.00%		10.18%
TOU-On Peak	166	0.180	29.81	166	0.180	29.81	0.00	0.00%		14.70%
Sub-Total: Energy (TOU)			102.48			102.48	0.00	0.00%	50.87%	50.53%
Service Charge	1	42.25	42.25	1	47.11	47.11	4.86	11.50%	23.38%	23.23%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	920	0.0194	17.85	920	0.016	14.72	-3.13	-17.53%	7.31%	7.26%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	920	0.0002	0.18	920	0.0002	0.18	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			60.28			62.01	1.73	2.87%	30.78%	30.58%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.39%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	70	0.12	8.46	70	0.12	8.46	0.00	0.00%	4.20%	4.17%
Line Losses on Cost of Power (based on TOU prices)	70	0.11	7.79	70	0.11	7.79	0.00	0.00%	3.87%	3.84%
Sub-Total: Distribution (based on two-tier RPP prices)			69.53			71.26	1.73	2.49%	35.37%	35.14%
Sub-Total: Distribution (based on TOU prices)			68.86			70.59	1.73	2.52%	35.04%	34.81%
Retail Transmission Rate – Network Service Rate	990	0.0072	7.13	990	0.0072	7.13	0.00	0.00%	3.54%	3.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	990	0.0060	5.97	990	0.0060	5.97	0.00	0.00%	2.96%	2.94%
Sub-Total: Retail Transmission			13.11			13.11	0.00	0.00%	6.51%	6.46%
Sub-Total: Delivery (based on two-tier RPP prices)			82.64			84.37	1.73	2.10%	41.88%	41.60%
Sub-Total: Delivery (based on TOU prices)			81.97			83.70	1.73	2.11%	41.54%	41.27%
Wholesale Market Service Rate	990	0.0036	3.56	990	0.0036	3.56	0.00	0.00%	1.77%	1.76%
Rural Rate Protection Charge	990	0.0021	2.08	990	0.0021	2.08	0.00	0.00%	1.03%	1.02%
Ontario Electricity Support Program Charge	990	0.0011	1.09	990	0.0011	1.09	0.00	0.00%	0.54%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			6.98			6.98	0.00	0.00%	3.47%	3.44%
Debt Retirement Charge (DRC)	920	0.000	0.00	920	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			190.14			191.87	1.73	0.91%	95.24%	
HST		0.13	24.72		0.13	24.94	0.23	0.91%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			214.86			216.81	1.96	0.91%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.21		-0.08	-15.35	-0.14	0.91%	-7.62%	
Total Amount on Two-Tier RPP			199.65			201.46	1.82	0.91%	100.00%	
Total Electricity Charge on TOU (before HST)			191.43			193.16	1.73	0.90%		95.24%
HST		0.13	24.89		0.13	25.11	0.23	0.90%		12.38%
Total Electricity Charge on TOU (including HST)			216.31			218.27	1.96	0.90%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.31		-0.08	-15.45	-0.14	0.90%		-7.62%
Total Amount on TOU			201.00			202.82	1.82	0.90%		100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 8 of 45

Rate Class	R1
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1937
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	17.33%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	40.71%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	58.04%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		29.21%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		11.59%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		16.74%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	56.22%	57.54%
Service Charge	1	42.25	42.25	1	47.11	47.11	4.86	11.50%	13.21%	13.52%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0194	34.92	1,800	0.016	28.80	-6.12	-17.53%	8.07%	8.27%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,800	0.0002	0.36	1,800	0.0002	0.36	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			77.53			76.27	-1.26	-1.63%	21.38%	21.89%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.12	16.55	137	0.12	16.55	0.00	0.00%	4.64%	4.75%
Line Losses on Cost of Power (based on TOU prices)	137	0.11	15.24	137	0.11	15.24	0.00	0.00%	4.27%	4.37%
Sub-Total: Distribution (based on two-tier RPP prices)			94.87			93.61	-1.26	-1.33%	26.25%	26.87%
Sub-Total: Distribution (based on TOU prices)			93.56			92.30	-1.26	-1.35%	25.88%	26.49%
Retail Transmission Rate – Network Service Rate	1,937	0.0072	13.96	1,937	0.0072	13.96	0.00	0.00%	3.91%	4.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.0060	11.68	1,937	0.0060	11.68	0.00	0.00%	3.28%	3.35%
Sub-Total: Retail Transmission			25.64			25.64	0.00	0.00%	7.19%	7.36%
Sub-Total: Delivery (based on two-tier RPP prices)			120.51			119.25	-1.26	-1.05%	33.44%	34.22%
Sub-Total: Delivery (based on TOU prices)			119.20			117.94	-1.26	-1.06%	33.07%	33.85%
Wholesale Market Service Rate	1,937	0.0036	6.97	1,937	0.0036	6.97	0.00	0.00%	1.95%	2.00%
Rural Rate Protection Charge	1,937	0.0021	4.07	1,937	0.0021	4.07	0.00	0.00%	1.14%	1.17%
Ontario Electricity Support Program Charge	1,937	0.0011	2.13	1,937	0.0011	2.13	0.00	0.00%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			13.42			13.42	0.00	0.00%	3.76%	3.85%
Debt Retirement Charge (DRC)	1,800	0.000	0.00	1,800	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			340.93			339.67	-1.26	-0.37%	95.24%	
HST		0.13	44.32		0.13	44.16	-0.16	-0.37%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			385.26			383.83	-1.42	-0.37%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-27.27		-0.08	-27.17	0.10	-0.37%	-7.62%	
Total Amount on Two-Tier RPP			357.98			356.66	-1.32	-0.37%	100.00%	
Total Electricity Charge on TOU (before HST)			333.12			331.86	-1.26	-0.38%		95.24%
HST		0.13	43.31		0.13	43.14	-0.16	-0.38%		12.38%
Total Electricity Charge on TOU (including HST)			376.43			375.00	-1.42	-0.38%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.65		-0.08	-26.55	0.10	-0.38%		-7.62%
Total Amount on TOU			349.78			348.45	-1.32	-0.38%		100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 9 of 45

Rate Class	R2
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	497
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	450	0.103	46.35	450	0.103	46.35	0.00	0.00%	37.36%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			46.35			46.35	0.00	0.00%	37.36%	
TOU-Off Peak	293	0.087	25.45	293	0.087	25.45	0.00	0.00%		19.81%
TOU-Mid Peak	77	0.132	10.10	77	0.132	10.10	0.00	0.00%		7.86%
TOU-On Peak	81	0.180	14.58	81	0.180	14.58	0.00	0.00%		11.35%
Sub-Total: Energy (TOU)			50.13			50.13	0.00	0.00%	40.40%	39.02%
Service Charge (RRRP credit applied)	1	34.22	34.22	1	44.24	44.24	10.02	29.28%	35.66%	34.44%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.02%	-0.02%
Distribution Volumetric Rate	450	0.0322	14.49	450	0.0268	12.06	-2.43	-16.77%	9.72%	9.39%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	450	0.0002	0.09	450	0.0002	0.09	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			48.78			56.37	7.59	15.56%	45.43%	43.89%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.64%	0.62%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.10	4.87	47	0.10	4.87	0.00	0.00%	3.92%	3.79%
Line Losses on Cost of Power (based on TOU prices)	47	0.11	5.26	47	0.11	5.26	0.00	0.00%	4.24%	4.10%
Sub-Total: Distribution (based on two-tier RPP prices)			54.44			62.03	7.59	13.94%	49.99%	48.29%
Sub-Total: Distribution (based on TOU prices)			54.83			62.42	7.59	13.84%	50.31%	48.60%
Retail Transmission Rate – Network Service Rate	497	0.0067	3.35	497	0.0067	3.35	0.00	0.00%	2.70%	2.61%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0056	2.80	497	0.0056	2.80	0.00	0.00%	2.26%	2.18%
Sub-Total: Retail Transmission			6.15			6.15	0.00	0.00%	4.96%	4.79%
Sub-Total: Delivery (based on two-tier RPP prices)			60.59			68.18	7.59	12.53%	54.95%	53.08%
Sub-Total: Delivery (based on TOU prices)			60.98			68.57	7.59	12.45%	55.27%	53.39%
Wholesale Market Service Rate	497	0.0036	1.79	497	0.0036	1.79	0.00	0.00%	1.44%	1.39%
Rural Rate Protection Charge	497	0.0021	1.04	497	0.0021	1.04	0.00	0.00%	0.84%	0.81%
Ontario Electricity Support Program Charge	497	0.0011	0.55	497	0.0011	0.55	0.00	0.00%	0.44%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.19%
Sub-Total: Regulatory			3.63			3.63	0.00	0.00%	2.93%	2.83%
Debt Retirement Charge (DRC)	450	0.000	0.00	450	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			110.57			118.16	7.59	6.86%	95.24%	
HST		0.13	14.37		0.13	15.36	0.99	6.86%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			124.94			133.52	8.58	6.86%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.85		-0.08	-9.45	-0.61	6.86%	-7.62%	
Total Amount on Two-Tier RPP			116.10			124.07	7.97	6.86%	100.00%	
Total Electricity Charge on TOU (before HST)			114.74			122.33	7.59	6.61%		95.24%
HST		0.13	14.92		0.13	15.90	0.99	6.61%		12.38%
Total Electricity Charge on TOU (including HST)			129.66			138.23	8.58	6.61%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.18		-0.08	-9.79	-0.61	6.61%		-7.62%
Total Amount on TOU			120.48			128.45	7.97	6.61%		100.00%

2020 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 10 of 45

Rate Class	R2
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	829
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	34.44%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.12%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	44.56%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		23.25%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.23%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		13.32%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	46.56%	45.80%
Service Charge (RRRP credit applied)	1	34.22	34.22	1	44.24	44.24	10.02	29.28%	24.66%	24.25%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	750	0.0322	24.15	750	0.0268	20.10	-4.05	-16.77%	11.20%	11.02%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			58.50			64.47	5.97	10.21%	35.93%	35.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.44%	0.43%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.12	9.53	79	0.12	9.53	0.00	0.00%	5.31%	5.22%
Line Losses on Cost of Power (based on TOU prices)	79	0.11	8.77	79	0.11	8.77	0.00	0.00%	4.89%	4.81%
Sub-Total: Distribution (based on two-tier RPP prices)			68.82			74.79	5.97	8.68%	41.68%	41.00%
Sub-Total: Distribution (based on TOU prices)			68.06			74.03	5.97	8.77%	41.26%	40.59%
Retail Transmission Rate – Network Service Rate	829	0.0067	5.59	829	0.0067	5.59	0.00	0.00%	3.11%	3.06%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0056	4.67	829	0.0056	4.67	0.00	0.00%	2.60%	2.56%
Sub-Total: Retail Transmission			10.25			10.25	0.00	0.00%	5.71%	5.62%
Sub-Total: Delivery (based on two-tier RPP prices)			79.07			85.04	5.97	7.55%	47.40%	46.62%
Sub-Total: Delivery (based on TOU prices)			78.31			84.28	5.97	7.62%	46.98%	46.21%
Wholesale Market Service Rate	829	0.0036	2.98	829	0.0036	2.98	0.00	0.00%	1.66%	1.64%
Rural Rate Protection Charge	829	0.0021	1.74	829	0.0021	1.74	0.00	0.00%	0.97%	0.95%
Ontario Electricity Support Program Charge	829	0.0011	0.91	829	0.0011	0.91	0.00	0.00%	0.51%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Sub-Total: Regulatory			5.89			5.89	0.00	0.00%	3.28%	3.23%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			164.91			170.88	5.97	3.62%	95.24%	
HST		0.13	21.44		0.13	22.21	0.78	3.62%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			186.34			193.09	6.75	3.62%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.19		-0.08	-13.67	-0.48	3.62%	-7.62%	
Total Amount on Two-Tier RPP			173.15			179.42	6.27	3.62%	100.00%	
Total Electricity Charge on TOU (before HST)			167.74			173.71	5.97	3.56%		95.24%
HST		0.13	21.81		0.13	22.58	0.78	3.56%		12.38%
Total Electricity Charge on TOU (including HST)			189.55			196.29	6.75	3.56%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.42		-0.08	-13.90	-0.48	3.56%		-7.62%
Total Amount on TOU			176.13			182.40	6.27	3.56%		100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 11 of 45

Rate Class	R2
Monthly Consumption (kWh)	1152
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1273
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.12%	
Energy Second Tier (kWh)	552	0.121	66.79	552	0.121	66.79	0.00	0.00%	26.07%	
Sub-Total: Energy (RPP)			128.59			128.59	0.00	0.00%	50.19%	
TOU-Off Peak	749	0.087	65.15	749	0.087	65.15	0.00	0.00%		25.58%
TOU-Mid Peak	196	0.132	25.85	196	0.132	25.85	0.00	0.00%		10.15%
TOU-On Peak	207	0.180	37.32	207	0.180	37.32	0.00	0.00%		14.66%
Sub-Total: Energy (TOU)			128.32			128.32	0.00	0.00%	50.09%	50.38%
Service Charge (RRRP credit applied)	1	34.22	34.22	1	44.24	44.24	10.02	29.28%	17.27%	17.37%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	1,152	0.0322	37.09	1,152	0.0268	30.87	-6.22	-16.77%	12.05%	12.12%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,152	0.0002	0.23	1,152	0.0002	0.23	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			71.52			75.32	3.80	5.31%	29.40%	29.57%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	121	0.12	14.64	121	0.12	14.64	0.00	0.00%	5.71%	5.75%
Line Losses on Cost of Power (based on TOU prices)	121	0.11	13.47	121	0.11	13.47	0.00	0.00%	5.26%	5.29%
Sub-Total: Distribution (based on two-tier RPP prices)			86.95			90.75	3.80	4.37%	35.42%	35.63%
Sub-Total: Distribution (based on TOU prices)			85.79			89.59	3.80	4.43%	34.97%	35.18%
Retail Transmission Rate – Network Service Rate	1,273	0.0067	8.58	1,273	0.0067	8.58	0.00	0.00%	3.35%	3.37%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,273	0.0056	7.17	1,273	0.0056	7.17	0.00	0.00%	2.80%	2.81%
Sub-Total: Retail Transmission			15.75			15.75	0.00	0.00%	6.15%	6.18%
Sub-Total: Delivery (based on two-tier RPP prices)			102.70			106.50	3.80	3.70%	41.57%	41.81%
Sub-Total: Delivery (based on TOU prices)			101.53			105.33	3.80	3.74%	41.11%	41.36%
Wholesale Market Service Rate	1,273	0.0036	4.58	1,273	0.0036	4.58	0.00	0.00%	1.79%	1.80%
Rural Rate Protection Charge	1,273	0.0021	2.67	1,273	0.0021	2.67	0.00	0.00%	1.04%	1.05%
Ontario Electricity Support Program Charge	1,273	0.0011	1.40	1,273	0.0011	1.40	0.00	0.00%	0.55%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			8.91			8.91	0.00	0.00%	3.48%	3.50%
Debt Retirement Charge (DRC)	1,152	0.000	0.00	1,152	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			240.20			243.99	3.80	1.58%	95.24%	
HST		0.13	31.23		0.13	31.72	0.49	1.58%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			271.42			275.71	4.29	1.58%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.22		-0.08	-19.52	-0.30	1.58%	-7.62%	
Total Amount on Two-Tier RPP			252.21			256.19	3.99	1.58%	100.00%	
Total Electricity Charge on TOU (before HST)			238.76			242.56	3.80	1.59%		95.24%
HST		0.13	31.04		0.13	31.53	0.49	1.59%	12.38%	
Total Electricity Charge on TOU (including HST)			269.80			274.09	4.29	1.59%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.10		-0.08	-19.40	-0.30	1.59%		-7.62%
Total Amount on TOU			250.70			254.69	3.99	1.59%		100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 12 of 45

Rate Class	R2
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2542
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	13.00%	
Energy Second Tier (kWh)	1,700	0.121	205.70	1,700	0.121	205.70	0.00	0.00%	43.27%	
Sub-Total: Energy (RPP)			267.50			267.50	0.00	0.00%	56.26%	
TOU-Off Peak	1,495	0.087	130.07	1,495	0.087	130.07	0.00	0.00%		28.21%
TOU-Mid Peak	391	0.132	51.61	391	0.132	51.61	0.00	0.00%		11.19%
TOU-On Peak	414	0.180	74.52	414	0.180	74.52	0.00	0.00%		16.16%
Sub-Total: Energy (TOU)			256.20			256.20	0.00	0.00%	53.89%	55.56%
Service Charge (RRRP credit applied)	1	34.22	34.22	1	44.24	44.24	10.02	29.28%	9.30%	9.59%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.0322	74.06	2,300	0.0268	61.64	-12.42	-16.77%	12.96%	13.37%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,300	0.0002	0.46	2,300	0.0002	0.46	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			108.72			106.32	-2.40	-2.21%	22.36%	23.06%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.12	29.22	242	0.12	29.22	0.00	0.00%	6.15%	6.34%
Line Losses on Cost of Power (based on TOU prices)	242	0.11	26.90	242	0.11	26.90	0.00	0.00%	5.66%	5.83%
Sub-Total: Distribution (based on two-tier RPP prices)			138.73			136.33	-2.40	-1.73%	28.67%	29.56%
Sub-Total: Distribution (based on TOU prices)			136.41			134.01	-2.40	-1.76%	28.19%	29.06%
Retail Transmission Rate – Network Service Rate	2,542	0.0067	17.13	2,542	0.0067	17.13	0.00	0.00%	3.60%	3.71%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0056	14.31	2,542	0.0056	14.31	0.00	0.00%	3.01%	3.10%
Sub-Total: Retail Transmission			31.44			31.44	0.00	0.00%	6.61%	6.82%
Sub-Total: Delivery (based on two-tier RPP prices)			170.17			167.77	-2.40	-1.41%	35.29%	36.38%
Sub-Total: Delivery (based on TOU prices)			167.85			165.45	-2.40	-1.43%	34.80%	35.88%
Wholesale Market Service Rate	2,542	0.0036	9.15	2,542	0.0036	9.15	0.00	0.00%	1.92%	1.98%
Rural Rate Protection Charge	2,542	0.0021	5.34	2,542	0.0021	5.34	0.00	0.00%	1.12%	1.16%
Ontario Electricity Support Program Charge	2,542	0.0011	2.80	2,542	0.0011	2.80	0.00	0.00%	0.59%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			17.53			17.53	0.00	0.00%	3.69%	3.80%
Debt Retirement Charge (DRC)	2,300	0.000	0.00	2,300	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			455.20			452.80	-2.40	-0.53%	95.24%	
HST		0.13	59.18		0.13	58.86	-0.31	-0.53%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			514.38			511.67	-2.71	-0.53%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.42		-0.08	-36.22	0.19	-0.53%	-7.62%	
Total Amount on Two-Tier RPP			477.96			475.44	-2.52	-0.53%	100.00%	
Total Electricity Charge on TOU (before HST)			441.58			439.18	-2.40	-0.54%		95.24%
HST		0.13	57.41		0.13	57.09	-0.31	-0.54%		12.38%
Total Electricity Charge on TOU (including HST)			498.98			496.27	-2.71	-0.54%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.33		-0.08	-35.13	0.19	-0.54%		-7.62%
Total Amount on TOU			463.66			461.14	-2.52	-0.54%		100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 13 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	55.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	8.17%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	8.17%	
TOU-Off Peak	33	0.087	2.83	33	0.087	2.83	0.00	0.00%		4.45%
TOU-Mid Peak	9	0.132	1.12	9	0.132	1.12	0.00	0.00%		1.77%
TOU-On Peak	9	0.180	1.62	9	0.180	1.62	0.00	0.00%		2.55%
Sub-Total: Energy (TOU)			5.57			5.57	0.00	0.00%	8.84%	8.77%
Service Charge	1	45.14	45.14	1	50.12	50.12	4.98	11.03%	79.55%	78.94%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	50	0.053	2.65	50	0.0439	2.20	-0.46	-17.17%	3.48%	3.46%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	50	0.0002	0.01	50	0.0002	0.01	0.00	0.00%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			47.80			52.33	4.53	9.47%	83.05%	82.41%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.25%	1.24%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.10	0.54	5	0.10	0.54	0.00	0.00%	0.85%	0.84%
Line Losses on Cost of Power (based on TOU prices)	5	0.11	0.58	5	0.11	0.58	0.00	0.00%	0.92%	0.91%
Sub-Total: Distribution (based on two-tier RPP prices)			49.13			53.65	4.53	9.21%	85.15%	84.50%
Sub-Total: Distribution (based on TOU prices)			49.17			53.69	4.53	9.20%	85.22%	84.57%
Retail Transmission Rate – Network Service Rate	55	0.0057	0.31	55	0.0057	0.31	0.00	0.00%	0.50%	0.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0048	0.27	55	0.0048	0.27	0.00	0.00%	0.42%	0.42%
Sub-Total: Retail Transmission			0.58			0.58	0.00	0.00%	0.92%	0.91%
Sub-Total: Delivery (based on two-tier RPP prices)			49.70			54.23	4.53	9.10%	86.07%	85.41%
Sub-Total: Delivery (based on TOU prices)			49.75			54.27	4.53	9.10%	86.14%	85.48%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	0.32%	0.31%
Rural Rate Protection Charge	55	0.0021	0.12	55	0.0021	0.12	0.00	0.00%	0.18%	0.18%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.10%	0.10%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.40%	0.39%
Sub-Total: Regulatory			0.63			0.63	0.00	0.00%	0.99%	0.98%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			55.48			60.00	4.53	8.16%	95.24%	
HST		0.13	7.21		0.13	7.80	0.59	8.16%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			62.69			67.80	5.11	8.16%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.44		-0.08	-4.80	-0.36	8.16%	-7.62%	
Total Amount on Two-Tier RPP			58.25			63.00	4.75	8.16%	100.00%	
Total Electricity Charge on TOU (before HST)			55.94			60.47	4.53	8.09%		95.24%
HST		0.13	7.27		0.13	7.86	0.59	8.09%		12.38%
Total Electricity Charge on TOU (including HST)			63.21			68.33	5.11	8.09%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.48		-0.08	-4.84	-0.36	8.09%		-7.62%
Total Amount on TOU			58.74			63.49	4.75	8.09%		100.00%

2020 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 14 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	386.4
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	30.36%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	30.36%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		16.21%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		6.43%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		9.29%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	32.84%	31.92%
Service Charge	1	45.14	45.14	1	50.12	50.12	4.98	11.03%	42.22%	41.04%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0.053	18.55	350	0.0439	15.37	-3.19	-17.17%	12.94%	12.58%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			63.76			65.56	1.79	2.82%	55.22%	53.68%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.67%	0.65%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.10	3.75	36	0.10	3.75	0.00	0.00%	3.16%	3.07%
Line Losses on Cost of Power (based on TOU prices)	36	0.11	4.05	36	0.11	4.05	0.00	0.00%	3.42%	3.32%
Sub-Total: Distribution (based on two-tier RPP prices)			68.30			70.09	1.80	2.63%	59.04%	57.39%
Sub-Total: Distribution (based on TOU prices)			68.60			70.40	1.80	2.62%	59.30%	57.64%
Retail Transmission Rate – Network Service Rate	386	0.0057	2.19	386	0.0057	2.19	0.00	0.00%	1.84%	1.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	386	0.0048	1.86	386	0.0048	1.86	0.00	0.00%	1.57%	1.53%
Sub-Total: Retail Transmission			4.05			4.05	0.00	0.00%	3.41%	3.31%
Sub-Total: Delivery (based on two-tier RPP prices)			72.35			74.14	1.80	2.48%	62.45%	60.71%
Sub-Total: Delivery (based on TOU prices)			72.65			74.45	1.80	2.47%	62.71%	60.96%
Wholesale Market Service Rate	386	0.0036	1.39	386	0.0036	1.39	0.00	0.00%	1.17%	1.14%
Rural Rate Protection Charge	386	0.0021	0.81	386	0.0021	0.81	0.00	0.00%	0.68%	0.66%
Ontario Electricity Support Program Charge	386	0.0011	0.43	386	0.0011	0.43	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.88			2.88	0.00	0.00%	2.42%	2.36%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			111.28			113.07	1.79	1.61%	95.24%	
HST		0.13	14.47		0.13	14.70	0.23	1.61%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			125.74			127.77	2.03	1.61%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.90		-0.08	-9.05	-0.14	1.61%	-7.62%	
Total Amount on Two-Tier RPP			116.84			118.72	1.88	1.61%	100.00%	
Total Electricity Charge on TOU (before HST)			114.52			116.31	1.79	1.57%		95.24%
HST		0.13	14.89		0.13	15.12	0.23	1.57%		12.38%
Total Electricity Charge on TOU (including HST)			129.40			131.43	2.03	1.57%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.16		-0.08	-9.30	-0.14	1.57%		-7.62%
Total Amount on TOU			120.24			122.13	1.88	1.57%		100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 15 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	352
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	388.608
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	352	0.103	36.26	352	0.103	36.26	0.00	0.00%	30.44%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.26			36.26	0.00	0.00%	30.44%	
TOU-Off Peak	229	0.087	19.91	229	0.087	19.91	0.00	0.00%		16.25%
TOU-Mid Peak	60	0.132	7.90	60	0.132	7.90	0.00	0.00%		6.45%
TOU-On Peak	63	0.180	11.40	63	0.180	11.40	0.00	0.00%		9.31%
Sub-Total: Energy (TOU)			39.21			39.21	0.00	0.00%	32.92%	32.00%
Service Charge	1	45.14	45.14	1	50.12	50.12	4.98	11.03%	42.08%	40.91%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	352	0.053	18.66	352	0.0439	15.45	-3.20	-17.17%	12.98%	12.61%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	352	0.0002	0.07	352	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			63.87			65.64	1.78	2.78%	55.12%	53.58%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.66%	0.64%
Line Losses on Cost of Power (based on two-tier RPP prices)	37	0.10	3.77	37	0.10	3.77	0.00	0.00%	3.17%	3.08%
Line Losses on Cost of Power (based on TOU prices)	37	0.11	4.08	37	0.11	4.08	0.00	0.00%	3.42%	3.33%
Sub-Total: Distribution (based on two-tier RPP prices)			68.43			70.20	1.78	2.60%	58.95%	57.30%
Sub-Total: Distribution (based on TOU prices)			68.73			70.51	1.78	2.59%	59.21%	57.55%
Retail Transmission Rate – Network Service Rate	389	0.0057	2.20	389	0.0057	2.20	0.00	0.00%	1.85%	1.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	389	0.0048	1.87	389	0.0048	1.87	0.00	0.00%	1.57%	1.53%
Sub-Total: Retail Transmission			4.07			4.07	0.00	0.00%	3.42%	3.32%
Sub-Total: Delivery (based on two-tier RPP prices)			72.50			74.28	1.78	2.45%	62.37%	60.62%
Sub-Total: Delivery (based on TOU prices)			72.81			74.58	1.78	2.44%	62.62%	60.87%
Wholesale Market Service Rate	389	0.0036	1.40	389	0.0036	1.40	0.00	0.00%	1.17%	1.14%
Rural Rate Protection Charge	389	0.0021	0.82	389	0.0021	0.82	0.00	0.00%	0.69%	0.67%
Ontario Electricity Support Program Charge	389	0.0011	0.43	389	0.0011	0.43	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.89			2.89	0.00	0.00%	2.43%	2.36%
Debt Retirement Charge (DRC)	352	0.000	0.00	352	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			111.65			113.42	1.78	1.59%	95.24%	
HST		0.13	14.51		0.13	14.75	0.23	1.59%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			126.16			128.17	2.01	1.59%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.93		-0.08	-9.07	-0.14	1.59%	-7.62%	
Total Amount on Two-Tier RPP			117.23			119.09	1.87	1.59%	100.00%	
Total Electricity Charge on TOU (before HST)			114.91			116.68	1.78	1.55%		95.24%
HST		0.13	14.94		0.13	15.17	0.23	1.55%		12.38%
Total Electricity Charge on TOU (including HST)			129.85			131.85	2.01	1.55%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.19		-0.08	-9.33	-0.14	1.55%		-7.62%
Total Amount on TOU			120.65			122.52	1.87	1.55%		100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 16 of 45

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1104
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.82%	
Energy Second Tier (kWh)	400	0.121	48.40	400	0.121	48.40	0.00	0.00%	19.44%	
Sub-Total: Energy (RPP)			110.20			110.20	0.00	0.00%	44.26%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		22.70%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		9.01%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		13.00%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	44.74%	44.70%
Service Charge	1	45.14	45.14	1	50.12	50.12	4.98	11.03%	20.13%	20.11%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.053	53.00	1,000	0.0439	43.90	-9.10	-17.17%	17.63%	17.62%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			98.34			94.22	-4.12	-4.19%	37.84%	37.81%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.12	12.58	104	0.12	12.58	0.00	0.00%	5.05%	5.05%
Line Losses on Cost of Power (based on TOU prices)	104	0.11	11.58	104	0.11	11.58	0.00	0.00%	4.65%	4.65%
Sub-Total: Distribution (based on two-tier RPP prices)			111.71			107.59	-4.12	-3.69%	43.22%	43.18%
Sub-Total: Distribution (based on TOU prices)			110.71			106.59	-4.12	-3.72%	42.81%	42.78%
Retail Transmission Rate – Network Service Rate	1,104	0.0057	6.24	1,104	0.0057	6.24	0.00	0.00%	2.51%	2.51%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0048	5.32	1,104	0.0048	5.32	0.00	0.00%	2.14%	2.14%
Sub-Total: Retail Transmission			11.57			11.57	0.00	0.00%	4.65%	4.64%
Sub-Total: Delivery (based on two-tier RPP prices)			123.28			119.16	-4.12	-3.34%	47.86%	47.82%
Sub-Total: Delivery (based on TOU prices)			122.28			118.16	-4.12	-3.37%	47.46%	47.42%
Wholesale Market Service Rate	1,104	0.0036	3.97	1,104	0.0036	3.97	0.00	0.00%	1.60%	1.60%
Rural Rate Protection Charge	1,104	0.0021	2.32	1,104	0.0021	2.32	0.00	0.00%	0.93%	0.93%
Ontario Electricity Support Program Charge	1,104	0.0011	1.21	1,104	0.0011	1.21	0.00	0.00%	0.49%	0.49%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.76			7.76	0.00	0.00%	3.12%	3.11%
Debt Retirement Charge (DRC)	1,000	0.000	0.00	1,000	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			241.24			237.12	-4.12	-1.71%	95.24%	
HST		0.13	31.36		0.13	30.83	-0.54	-1.71%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			272.60			267.94	-4.66	-1.71%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.30		-0.08	-18.97	0.33	-1.71%	-7.62%	
Total Amount on Two-Tier RPP			253.30			248.97	-4.33	-1.71%	100.00%	
Total Electricity Charge on TOU (before HST)			241.43			237.31	-4.12	-1.71%		95.24%
HST		0.13	31.39		0.13	30.85	-0.54	-1.71%		12.38%
Total Electricity Charge on TOU (including HST)			272.81			268.16	-4.66	-1.71%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.31		-0.08	-18.98	0.33	-1.71%		-7.62%
Total Amount on TOU			253.50			249.17	-4.33	-1.71%		100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 17 of 45

Rate Class	UGe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	37.21%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.57%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	51.79%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		26.80%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.64%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.36%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	53.66%	52.79%
Service Charge	1	24.52	24.52	1	25.11	25.11	0.59	2.41%	12.10%	11.90%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.029	29.00	1,000	0.03	30.00	1.00	3.45%	14.45%	14.22%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.10%	0.09%
Sub-Total: Distribution (excluding pass through)			53.73			55.32	1.59	2.96%	26.65%	26.22%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.12	8.11	67	0.12	8.11	0.00	0.00%	3.91%	3.84%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.46	67	0.11	7.46	0.00	0.00%	3.60%	3.54%
Sub-Total: Distribution (based on two-tier RPP prices)			62.63			64.22	1.59	2.54%	30.94%	30.44%
Sub-Total: Distribution (based on TOU prices)			61.98			63.57	1.59	2.57%	30.62%	30.13%
Retail Transmission Rate – Network Service Rate	1,067	0.0061	6.52	1,067	0.0061	6.52	0.00	0.00%	3.14%	3.09%
Retail Transmission Rate – Line and Transformation Connection \$	1,067	0.0047	4.96	1,067	0.0047	4.96	0.00	0.00%	2.39%	2.35%
Sub-Total: Retail Transmission			11.48			11.48	0.00	0.00%	5.53%	5.44%
Sub-Total: Delivery (based on two-tier RPP prices)			74.11			75.70	1.59	2.15%	36.46%	35.88%
Sub-Total: Delivery (based on TOU prices)			73.46			75.05	1.59	2.16%	36.15%	35.57%
Wholesale Market Service Rate	1,067	0.0036	3.84	1,067	0.0036	3.84	0.00	0.00%	1.85%	1.82%
Rural Rate Protection Charge	1,067	0.0021	2.24	1,067	0.0021	2.24	0.00	0.00%	1.08%	1.06%
Ontario Electricity Support Program Charge	1,067	0.0011	1.17	1,067	0.0011	1.17	0.00	0.00%	0.57%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.51			7.51	0.00	0.00%	3.62%	3.56%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.37%	3.32%
Total Electricity Charge on Two-Tier RPP			196.11			197.70	1.59	0.81%	95.24%	
HST		0.13	25.49		0.13	25.70	0.21	0.81%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			221.61			223.40	1.80	0.81%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.69		-0.08	-15.82	-0.13	0.81%	-7.62%	
Total Amount on Two-Tier RPP			205.92			207.59	1.67	0.81%	100.00%	
Total Electricity Charge on TOU (before HST)			199.36			200.95	1.59	0.80%		95.24%
HST		0.13	25.92		0.13	26.12	0.21	0.80%		12.38%
Total Electricity Charge on TOU (including HST)			225.27			227.07	1.80	0.80%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.95		-0.08	-16.08	-0.13	0.80%		-7.62%
Total Amount on TOU			209.33			210.99	1.67	0.80%		100.00%

2020 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 18 of 45

Rate Class	UGe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.22%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	37.64%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	56.86%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		28.67%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.38%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.42%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	55.43%	56.47%
Service Charge	1	24.52	24.52	1	25.11	25.11	0.59	2.41%	6.25%	6.36%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.029	58.00	2,000	0.03	60.00	2.00	3.45%	14.93%	15.21%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			82.93			85.52	2.59	3.12%	21.28%	21.68%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.12	16.21	134	0.12	16.21	0.00	0.00%	4.03%	4.11%
Line Losses on Cost of Power (based on TOU prices)	134	0.11	14.93	134	0.11	14.93	0.00	0.00%	3.71%	3.78%
Sub-Total: Distribution (based on two-tier RPP prices)			99.93			102.52	2.59	2.59%	25.51%	25.99%
Sub-Total: Distribution (based on TOU prices)			98.65			101.24	2.59	2.63%	25.19%	25.66%
Retail Transmission Rate – Network Service Rate	2,134	0.0061	13.03	2,134	0.0061	13.03	0.00	0.00%	3.24%	3.30%
Retail Transmission Rate – Line and Transformation Connection \$	2,134	0.0047	9.93	2,134	0.0047	9.93	0.00	0.00%	2.47%	2.52%
Sub-Total: Retail Transmission			22.96			22.96	0.00	0.00%	5.71%	5.82%
Sub-Total: Delivery (based on two-tier RPP prices)			122.89			125.48	2.59	2.11%	31.22%	31.81%
Sub-Total: Delivery (based on TOU prices)			121.60			124.19	2.59	2.13%	30.90%	31.48%
Wholesale Market Service Rate	2,134	0.0036	7.68	2,134	0.0036	7.68	0.00	0.00%	1.91%	1.95%
Rural Rate Protection Charge	2,134	0.0021	4.48	2,134	0.0021	4.48	0.00	0.00%	1.12%	1.14%
Ontario Electricity Support Program Charge	2,134	0.0011	2.35	2,134	0.0011	2.35	0.00	0.00%	0.58%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.76			14.76	0.00	0.00%	3.67%	3.74%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.48%	3.55%
Total Electricity Charge on Two-Tier RPP			380.15			382.74	2.59	0.68%	95.24%	
HST		0.13	49.42		0.13	49.76	0.34	0.68%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			429.57			432.50	2.93	0.68%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-30.41		-0.08	-30.62	-0.21	0.68%	-7.62%	
Total Amount on Two-Tier RPP			399.16			401.88	2.72	0.68%	100.00%	
Total Electricity Charge on TOU (before HST)			373.15			375.74	2.59	0.69%		95.24%
HST		0.13	48.51		0.13	48.85	0.34	0.69%		12.38%
Total Electricity Charge on TOU (including HST)			421.65			424.58	2.93	0.69%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.85		-0.08	-30.06	-0.21	0.69%		-7.62%
Total Amount on TOU			391.80			394.52	2.72	0.69%		100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 19 of 45

Rate Class	UGe
Monthly Consumption (kWh)	2759
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2944
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.06%	
Energy Second Tier (kWh)	2,009	0.121	243.09	2,009	0.121	243.09	0.00	0.00%	44.25%	
Sub-Total: Energy (RPP)			320.34			320.34	0.00	0.00%	58.31%	
TOU-Off Peak	1,793	0.087	156.02	1,793	0.087	156.02	0.00	0.00%		29.23%
TOU-Mid Peak	469	0.132	61.91	469	0.132	61.91	0.00	0.00%		11.60%
TOU-On Peak	497	0.180	89.39	497	0.180	89.39	0.00	0.00%		16.75%
Sub-Total: Energy (TOU)			307.33			307.33	0.00	0.00%	55.94%	57.57%
Service Charge	1	24.52	24.52	1	25.11	25.11	0.59	2.41%	4.57%	4.70%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,759	0.029	80.01	2,759	0.03	82.77	2.76	3.45%	15.07%	15.51%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,759	0.0002	0.55	2,759	0.0002	0.55	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			105.09			108.44	3.35	3.19%	19.74%	20.31%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.14%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	185	0.12	22.37	185	0.12	22.37	0.00	0.00%	4.07%	4.19%
Line Losses on Cost of Power (based on TOU prices)	185	0.11	20.59	185	0.11	20.59	0.00	0.00%	3.75%	3.86%
Sub-Total: Distribution (based on two-tier RPP prices)			128.25			131.60	3.35	2.61%	23.96%	24.65%
Sub-Total: Distribution (based on TOU prices)			126.47			129.82	3.35	2.65%	23.63%	24.32%
Retail Transmission Rate – Network Service Rate	2,944	0.0061	17.98	2,944	0.0061	17.98	0.00	0.00%	3.27%	3.37%
Retail Transmission Rate – Line and Transformation Connection \$	2,944	0.0047	13.69	2,944	0.0047	13.69	0.00	0.00%	2.49%	2.57%
Sub-Total: Retail Transmission			31.67			31.67	0.00	0.00%	5.77%	5.93%
Sub-Total: Delivery (based on two-tier RPP prices)			159.92			163.27	3.35	2.09%	29.72%	30.59%
Sub-Total: Delivery (based on TOU prices)			158.14			161.49	3.35	2.12%	29.40%	30.25%
Wholesale Market Service Rate	2,944	0.0036	10.60	2,944	0.0036	10.60	0.00	0.00%	1.93%	1.99%
Rural Rate Protection Charge	2,944	0.0021	6.18	2,944	0.0021	6.18	0.00	0.00%	1.13%	1.16%
Ontario Electricity Support Program Charge	2,944	0.0011	3.24	2,944	0.0011	3.24	0.00	0.00%	0.59%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			20.27			20.27	0.00	0.00%	3.69%	3.80%
Debt Retirement Charge (DRC)	2,759	0.007	19.31	2,759	0.007	19.31	0.00	0.00%	3.52%	3.62%
Total Electricity Charge on Two-Tier RPP			519.84			523.19	3.35	0.64%	95.24%	
HST		0.13	67.58		0.13	68.01	0.44	0.64%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			587.42			591.20	3.78	0.64%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-41.59		-0.08	-41.86	-0.27	0.64%	-7.62%	
Total Amount on Two-Tier RPP			545.83			549.35	3.52	0.64%	100.00%	
Total Electricity Charge on TOU (before HST)			505.05			508.40	3.35	0.66%		95.24%
HST		0.13	65.66		0.13	66.09	0.44	0.66%		12.38%
Total Electricity Charge on TOU (including HST)			570.71			574.49	3.78	0.66%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.40		-0.08	-40.67	-0.27	0.66%		-7.62%
Total Amount on TOU			530.30			533.82	3.52	0.66%		100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 20 of 45

Rate Class	UGe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.64%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	58.89%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	61.53%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		30.51%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.11%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		17.48%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	57.07%	60.09%
Service Charge	1	24.52	24.52	1	25.11	25.11	0.59	2.41%	0.86%	0.90%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.029	435.00	15,000	0.03	450.00	15.00	3.45%	15.37%	16.18%
Volumetric Deferral/Variance Account Rider (including CBR Class)	15,000	0.0002	3.00	15,000	0.0002	3.00	0.00	0.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			462.53			478.12	15.59	3.37%	16.33%	17.20%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.12	121.61	1,005	0.12	121.61	0.00	0.00%	4.15%	4.37%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.11	111.95	1,005	0.11	111.95	0.00	0.00%	3.82%	4.03%
Sub-Total: Distribution (based on two-tier RPP prices)			584.93			600.52	15.59	2.67%	20.51%	21.60%
Sub-Total: Distribution (based on TOU prices)			575.27			590.86	15.59	2.71%	20.18%	21.25%
Retail Transmission Rate – Network Service Rate	16,005	0.0061	97.73	16,005	0.0061	97.73	0.00	0.00%	3.34%	3.51%
Retail Transmission Rate – Line and Transformation Connection \$	16,005	0.0047	74.46	16,005	0.0047	74.46	0.00	0.00%	2.54%	2.68%
Sub-Total: Retail Transmission			172.18			172.18	0.00	0.00%	5.88%	6.19%
Sub-Total: Delivery (based on two-tier RPP prices)			757.11			772.70	15.59	2.06%	26.39%	27.79%
Sub-Total: Delivery (based on TOU prices)			747.45			763.04	15.59	2.09%	26.06%	27.44%
Wholesale Market Service Rate	16,005	0.0036	57.62	16,005	0.0036	57.62	0.00	0.00%	1.97%	2.07%
Rural Rate Protection Charge	16,005	0.0021	33.61	16,005	0.0021	33.61	0.00	0.00%	1.15%	1.21%
Ontario Electricity Support Program Charge	16,005	0.0011	17.61	16,005	0.0011	17.61	0.00	0.00%	0.60%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			109.08			109.08	0.00	0.00%	3.73%	3.92%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.59%	3.78%
Total Electricity Charge on Two-Tier RPP			2,772.69			2,788.28	15.59	0.56%	95.24%	
HST		0.13	360.45		0.13	362.48	2.03	0.56%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,133.14			3,150.76	17.62	0.56%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-221.82		-0.08	-223.06	-1.25	0.56%	-7.62%	
Total Amount on Two-Tier RPP			2,911.33			2,927.69	16.37	0.56%	100.00%	
Total Electricity Charge on TOU (before HST)			2,632.38			2,647.97	15.59	0.59%		95.24%
HST		0.13	342.21		0.13	344.24	2.03	0.59%		12.38%
Total Electricity Charge on TOU (including HST)			2,974.59			2,992.21	17.62	0.59%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-210.59		-0.08	-211.84	-1.25	0.59%		-7.62%
Total Amount on TOU			2,764.00			2,780.37	16.37	0.59%		100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 21 of 45

Rate Class	GSe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	30.62%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	11.99%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	42.61%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		22.14%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.79%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.69%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	44.15%	43.62%
Service Charge	1	30.26	30.26	1	30.91	30.91	0.65	2.15%	12.25%	12.10%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0614	61.40	1,000	0.0634	63.40	2.00	3.26%	25.13%	24.82%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			91.86			94.51	2.65	2.88%	37.46%	37.01%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.12	11.62	96	0.12	11.62	0.00	0.00%	4.60%	4.55%
Line Losses on Cost of Power (based on TOU prices)	96	0.11	10.69	96	0.11	10.69	0.00	0.00%	4.24%	4.19%
Sub-Total: Distribution (based on two-tier RPP prices)			104.27			106.92	2.65	2.54%	42.38%	41.86%
Sub-Total: Distribution (based on TOU prices)			103.34			105.99	2.65	2.56%	42.02%	41.50%
Retail Transmission Rate – Network Service Rate	1,096	0.0057	6.24	1,096	0.0057	6.24	0.00	0.00%	2.47%	2.44%
Retail Transmission Rate – Line and Transformation Connection \$	1,096	0.0045	4.90	1,096	0.0045	4.90	0.00	0.00%	1.94%	1.92%
Sub-Total: Retail Transmission			11.14			11.14	0.00	0.00%	4.42%	4.36%
Sub-Total: Delivery (based on two-tier RPP prices)			115.41			118.06	2.65	2.30%	46.80%	46.23%
Sub-Total: Delivery (based on TOU prices)			114.49			117.14	2.65	2.31%	46.43%	45.87%
Wholesale Market Service Rate	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.56%	1.54%
Rural Rate Protection Charge	1,096	0.0021	2.30	1,096	0.0021	2.30	0.00	0.00%	0.91%	0.90%
Ontario Electricity Support Program Charge	1,096	0.0011	1.21	1,096	0.0011	1.21	0.00	0.00%	0.48%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.70			7.70	0.00	0.00%	3.05%	3.02%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.77%	2.74%
Total Electricity Charge on Two-Tier RPP			237.61			240.26	2.65	1.12%	95.24%	
HST		0.13	30.89		0.13	31.23	0.34	1.12%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			268.50			271.50	2.99	1.12%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.01		-0.08	-19.22	-0.21	1.12%	-7.62%	
Total Amount on Two-Tier RPP			249.49			252.27	2.78	1.12%	100.00%	
Total Electricity Charge on TOU (before HST)			240.58			243.23	2.65	1.10%		95.24%
HST		0.13	31.28		0.13	31.62	0.34	1.10%		12.38%
Total Electricity Charge on TOU (including HST)			271.85			274.85	2.99	1.10%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.25		-0.08	-19.46	-0.21	1.10%		-7.62%
Total Amount on TOU			252.61			255.39	2.78	1.10%		100.00%

2020 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 22 of 45

Rate Class	GSe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	15.92%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	31.17%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	47.10%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		23.70%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		9.40%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		13.58%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	45.92%	46.68%
Service Charge	1	30.26	30.26	1	30.91	30.91	0.65	2.15%	6.37%	6.48%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0614	122.80	2,000	0.0634	126.80	4.00	3.26%	26.13%	26.57%
Volumetric Deferral/Variance Account Rider (including CBR Class)	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			153.46			158.11	4.65	3.03%	32.59%	33.13%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.12	23.23	192	0.12	23.23	0.00	0.00%	4.79%	4.87%
Line Losses on Cost of Power (based on TOU prices)	192	0.11	21.39	192	0.11	21.39	0.00	0.00%	4.41%	4.48%
Sub-Total: Distribution (based on two-tier RPP prices)			177.48			182.13	4.65	2.62%	37.54%	38.16%
Sub-Total: Distribution (based on TOU prices)			175.64			180.29	4.65	2.65%	37.16%	37.78%
Retail Transmission Rate – Network Service Rate	2,192	0.0057	12.48	2,192	0.0057	12.48	0.00	0.00%	2.57%	2.61%
Retail Transmission Rate – Line and Transformation Connection \$	2,192	0.0045	9.81	2,192	0.0045	9.81	0.00	0.00%	2.02%	2.05%
Sub-Total: Retail Transmission			22.29			22.29	0.00	0.00%	4.59%	4.67%
Sub-Total: Delivery (based on two-tier RPP prices)			199.77			204.42	4.65	2.33%	42.13%	42.83%
Sub-Total: Delivery (based on TOU prices)			197.92			202.57	4.65	2.35%	41.75%	42.45%
Wholesale Market Service Rate	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.63%	1.65%
Rural Rate Protection Charge	2,192	0.0021	4.60	2,192	0.0021	4.60	0.00	0.00%	0.95%	0.96%
Ontario Electricity Support Program Charge	2,192	0.0011	2.41	2,192	0.0011	2.41	0.00	0.00%	0.50%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.16			15.16	0.00	0.00%	3.12%	3.18%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.89%	2.93%
Total Electricity Charge on Two-Tier RPP			457.42			462.07	4.65	1.02%	95.24%	
HST		0.13	59.47		0.13	60.07	0.60	1.02%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			516.89			522.14	5.25	1.02%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.59		-0.08	-36.97	-0.37	1.02%	-7.62%	
Total Amount on Two-Tier RPP			480.29			485.18	4.88	1.02%	100.00%	
Total Electricity Charge on TOU (before HST)			449.86			454.51	4.65	1.03%		95.24%
HST		0.13	58.48		0.13	59.09	0.60	1.03%		12.38%
Total Electricity Charge on TOU (including HST)			508.34			513.59	5.25	1.03%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.99		-0.08	-36.36	-0.37	1.03%		-7.62%
Total Amount on TOU			472.35			477.23	4.88	1.03%		100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 23 of 45

Rate Class	GSe
Monthly Consumption (kWh)	1982
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2172
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	16.06%	
Energy Second Tier (kWh)	1,232	0.121	149.07	1,232	0.121	149.07	0.00	0.00%	30.99%	
Sub-Total: Energy (RPP)			226.32			226.32	0.00	0.00%	47.05%	
TOU-Off Peak	1,288	0.087	112.08	1,288	0.087	112.08	0.00	0.00%		23.68%
TOU-Mid Peak	337	0.132	44.48	337	0.132	44.48	0.00	0.00%		9.40%
TOU-On Peak	357	0.180	64.22	357	0.180	64.22	0.00	0.00%		13.57%
Sub-Total: Energy (TOU)			220.77			220.77	0.00	0.00%	45.90%	46.65%
Service Charge	1	30.26	30.26	1	30.91	30.91	0.65	2.15%	6.43%	6.53%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,982	0.0614	121.69	1,982	0.0634	125.66	3.96	3.26%	26.13%	26.55%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,982	0.0002	0.40	1,982	0.0002	0.40	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			152.35			156.97	4.61	3.03%	32.63%	33.17%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	190	0.12	23.02	190	0.12	23.02	0.00	0.00%	4.79%	4.86%
Line Losses on Cost of Power (based on TOU prices)	190	0.11	21.19	190	0.11	21.19	0.00	0.00%	4.41%	4.48%
Sub-Total: Distribution (based on two-tier RPP prices)			176.16			180.78	4.61	2.62%	37.58%	38.20%
Sub-Total: Distribution (based on TOU prices)			174.34			178.95	4.61	2.65%	37.20%	37.81%
Retail Transmission Rate – Network Service Rate	2,172	0.0057	12.37	2,172	0.0057	12.37	0.00	0.00%	2.57%	2.61%
Retail Transmission Rate – Line and Transformation Connection \$	2,172	0.0045	9.72	2,172	0.0045	9.72	0.00	0.00%	2.02%	2.05%
Sub-Total: Retail Transmission			22.09			22.09	0.00	0.00%	4.59%	4.67%
Sub-Total: Delivery (based on two-tier RPP prices)			198.25			202.86	4.61	2.33%	42.18%	42.87%
Sub-Total: Delivery (based on TOU prices)			196.42			201.04	4.61	2.35%	41.80%	42.48%
Wholesale Market Service Rate	2,172	0.0036	7.82	2,172	0.0036	7.82	0.00	0.00%	1.63%	1.65%
Rural Rate Protection Charge	2,172	0.0021	4.56	2,172	0.0021	4.56	0.00	0.00%	0.95%	0.96%
Ontario Electricity Support Program Charge	2,172	0.0011	2.39	2,172	0.0011	2.39	0.00	0.00%	0.50%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.02			15.02	0.00	0.00%	3.12%	3.17%
Debt Retirement Charge (DRC)	1,982	0.007	13.87	1,982	0.007	13.87	0.00	0.00%	2.88%	2.93%
Total Electricity Charge on Two-Tier RPP			453.47			458.08	4.61	1.02%	95.24%	
HST		0.13	58.95		0.13	59.55	0.60	1.02%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			512.42			517.63	5.21	1.02%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.28		-0.08	-36.65	-0.37	1.02%	-7.62%	
Total Amount on Two-Tier RPP			476.14			480.99	4.84	1.02%	100.00%	
Total Electricity Charge on TOU (before HST)			446.09			450.71	4.61	1.03%		95.24%
HST		0.13	57.99		0.13	58.59	0.60	1.03%		12.38%
Total Electricity Charge on TOU (including HST)			504.08			509.30	5.21	1.03%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.69		-0.08	-36.06	-0.37	1.03%		-7.62%
Total Amount on TOU			468.40			473.24	4.84	1.03%		100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 24 of 45

Rate Class	GSe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.20%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	49.08%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	51.28%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		25.24%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		10.01%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		14.46%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	47.56%	49.71%
Service Charge	1	30.26	30.26	1	30.91	30.91	0.65	2.15%	0.88%	0.92%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0614	921.00	15,000	0.0634	951.00	30.00	3.26%	27.07%	28.29%
Volumetric Deferral/Variance Account Rider (including CBR Class	15,000	0.0002	3.00	15,000	0.0002	3.00	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			954.26			984.91	30.65	3.21%	28.04%	29.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.12	174.24	1,440	0.12	174.24	0.00	0.00%	4.96%	5.18%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.11	160.40	1,440	0.11	160.40	0.00	0.00%	4.57%	4.77%
Sub-Total: Distribution (based on two-tier RPP prices)			1,129.29			1,159.94	30.65	2.71%	33.02%	34.51%
Sub-Total: Distribution (based on TOU prices)			1,115.45			1,146.10	30.65	2.75%	32.63%	34.10%
Retail Transmission Rate – Network Service Rate	16,440	0.0057	93.59	16,440	0.0057	93.59	0.00	0.00%	2.66%	2.78%
Retail Transmission Rate – Line and Transformation Connection \$	16,440	0.0045	73.55	16,440	0.0045	73.55	0.00	0.00%	2.09%	2.19%
Sub-Total: Retail Transmission			167.15			167.15	0.00	0.00%	4.76%	4.97%
Sub-Total: Delivery (based on two-tier RPP prices)			1,296.44			1,327.09	30.65	2.36%	37.78%	39.48%
Sub-Total: Delivery (based on TOU prices)			1,282.60			1,313.25	30.65	2.39%	37.38%	39.07%
Wholesale Market Service Rate	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.68%	1.76%
Rural Rate Protection Charge	16,440	0.0021	34.52	16,440	0.0021	34.52	0.00	0.00%	0.98%	1.03%
Ontario Electricity Support Program Charge	16,440	0.0011	18.08	16,440	0.0011	18.08	0.00	0.00%	0.51%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			112.04			112.04	0.00	0.00%	3.19%	3.33%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.99%	3.12%
Total Electricity Charge on Two-Tier RPP			3,314.98			3,345.63	30.65	0.92%	95.24%	
HST		0.13	430.95		0.13	434.93	3.98	0.92%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,745.92			3,780.56	34.63	0.92%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-265.20		-0.08	-267.65	-2.45	0.92%	-7.62%	
Total Amount on Two-Tier RPP			3,480.73			3,512.91	32.18	0.92%	100.00%	
Total Electricity Charge on TOU (before HST)			3,170.49			3,201.14	30.65	0.97%		95.24%
HST		0.13	412.16		0.13	416.15	3.98	0.97%		12.38%
Total Electricity Charge on TOU (including HST)			3,582.65			3,617.29	34.63	0.97%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-253.64		-0.08	-256.09	-2.45	0.97%		-7.62%
Total Amount on TOU			3,329.01			3,361.20	32.18	0.97%		100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 25 of 45

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.103	1,622.25	15,750	0.103	1,622.25	0.00	0.00%	50.84%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,622.25			1,622.25	0.00	0.00%	50.84%
Service Charge	1	102.94	102.94	1	105.1	105.10	2.16	2.10%	3.29%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	9.9375	596.25	60	10.2368	614.21	17.96	3.01%	19.25%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0646	3.88	60	0.0646	3.88	0.00	0.00%	0.12%
Volumetric Global Adjustment Account Rider	15,750	0.0019	29.93	15,750	0.0019	29.93	0.00	0.00%	0.94%
Sub-Total: Distribution			733.00			753.12	20.12	2.74%	23.60%
Retail Transmission Rate – Network Service Rate	60	2.23104	133.86	60	2.2310	133.86	0.00	0.00%	4.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.704675	102.28	60	1.7047	102.28	0.00	0.00%	3.21%
Sub-Total: Retail Transmission			236.14			236.14	0.00	0.00%	7.40%
Sub-Total: Delivery			969.14			989.26	20.12	2.08%	31.00%
Wholesale Market Service Rate	15,750	0.0036	56.70	15,750	0.0036	56.70	0.00	0.00%	1.78%
Rural Rate Protection Charge	15,750	0.0021	33.08	15,750	0.0021	33.08	0.00	0.00%	1.04%
Ontario Electricity Support Program Charge	15,750	0.0011	17.33	15,750	0.0011	17.33	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			107.35			107.35	0.00	0.00%	3.36%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.29%
Total Electricity Charge on Two-Tier RPP (before HST)			2,803.74			2,823.86	20.12	0.72%	88.50%
HST		0.13	364.49		0.13	367.10	2.62	0.72%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,168.23			3,190.96	22.73	0.72%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,168.23			3,190.96	22.73	0.72%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 26 of 45

Rate Class	UGd
Monthly Consumption (kWh)	50,525
Peak (kW)	135
Loss factor	1.050
Load factor	51%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	53,051
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	53,051	0.103	5,464.28	53,051	0.103	5,464.28	0.00	0.00%	58.21%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,464.28			5,464.28	0.00	0.00%	58.21%
Service Charge	1	102.94	102.94	1	105.1	105.10	2.16	2.10%	1.12%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	135	9.9375	1,341.56	135	10.2368	1,381.97	40.41	3.01%	14.72%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	135	0.0646	8.72	135	0.0646	8.72	0.00	0.00%	0.09%
Volumetric Global Adjustment Account Rider	53,051	0.0019	100.80	53,051	0.0019	100.80	0.00	0.00%	1.07%
Sub-Total: Distribution			1,554.03			1,596.60	42.57	2.74%	17.01%
Retail Transmission Rate – Network Service Rate	135	2.23104	301.19	135	2.2310	301.19	0.00	0.00%	3.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	135	1.704675	230.13	135	1.7047	230.13	0.00	0.00%	2.45%
Sub-Total: Retail Transmission			531.32			531.32	0.00	0.00%	5.66%
Sub-Total: Delivery			2,085.35			2,127.92	42.57	2.04%	22.67%
Wholesale Market Service Rate	53,051	0.0036	190.98	53,051	0.0036	190.98	0.00	0.00%	2.03%
Rural Rate Protection Charge	53,051	0.0021	111.41	53,051	0.0021	111.41	0.00	0.00%	1.19%
Ontario Electricity Support Program Charge	53,051	0.0011	58.36	53,051	0.0011	58.36	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			361.00			361.00	0.00	0.00%	3.85%
Debt Retirement Charge (DRC)	50,525	0.007	353.68	50,525	0.007	353.68	0.00	0.00%	3.77%
Total Electricity Charge on Two-Tier RPP (before HST)			8,264.30			8,306.87	42.57	0.52%	88.50%
HST		0.13	1,074.36		0.13	1,079.89	5.53	0.52%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			9,338.66			9,386.76	48.10	0.52%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			9,338.66			9,386.76	48.10	0.52%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 27 of 45

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.103	18,926.25	183,750	0.103	18,926.25	0.00	0.00%	57.81%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,926.25			18,926.25	0.00	0.00%	57.81%
Service Charge	1	102.94	102.94	1	105.1	105.10	2.16	2.10%	0.32%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	9.9375	4,968.75	500	10.2368	5,118.40	149.65	3.01%	15.63%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0646	32.30	500	0.0646	32.30	0.00	0.00%	0.10%
Volumetric Global Adjustment Account Rider	183,750	0.0019	349.13	183,750	0.0019	349.13	0.00	0.00%	1.07%
Sub-Total: Distribution			5,453.13			5,604.94	151.81	2.78%	17.12%
Retail Transmission Rate – Network Service Rate	500	2.23104	1,115.52	500	2.2310	1,115.52	0.00	0.00%	3.41%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.704675	852.34	500	1.7047	852.34	0.00	0.00%	2.60%
Sub-Total: Retail Transmission			1,967.86			1,967.86	0.00	0.00%	6.01%
Sub-Total: Delivery			7,420.98			7,572.79	151.81	2.05%	23.13%
Wholesale Market Service Rate	183,750	0.0036	661.50	183,750	0.0036	661.50	0.00	0.00%	2.02%
Rural Rate Protection Charge	183,750	0.0021	385.88	183,750	0.0021	385.88	0.00	0.00%	1.18%
Ontario Electricity Support Program Charge	183,750	0.0011	202.13	183,750	0.0011	202.13	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,249.75			1,249.75	0.00	0.00%	3.82%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.74%
Total Electricity Charge on Two-Tier RPP (before HST)			28,821.98			28,973.79	151.81	0.53%	88.50%
HST		0.13	3,746.86		0.13	3,766.59	19.74	0.53%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			32,568.84			32,740.39	171.55	0.53%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			32,568.84			32,740.39	171.55	0.53%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 28 of 45

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.103	1,639.25	15,915	0.103	1,639.25	0.00	0.00%	44.75%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,639.25			1,639.25	0.00	0.00%	44.75%
Service Charge	1	104.42	104.42	1	106.28	106.28	1.86	1.78%	2.90%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	17.3532	1,041.19	60	17.8734	1,072.40	31.21	3.00%	29.28%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0470	2.82	60	0.0470	2.82	0.00	0.00%	0.08%
Volumetric Global Adjustment Account Rider	15,915	0.0019	30.24	15,915	0.0019	30.24	0.00	0.00%	0.83%
Sub-Total: Distribution			1,178.65			1,211.72	33.07	2.81%	33.08%
Retail Transmission Rate – Network Service Rate	60	1.6718	100.31	60	1.6718	100.31	0.00	0.00%	2.74%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2769	76.61	60	1.2769	76.61	0.00	0.00%	2.09%
Sub-Total: Retail Transmission			176.92			176.92	0.00	0.00%	4.83%
Sub-Total: Delivery			1,355.57			1,388.65	33.07	2.44%	37.91%
Wholesale Market Service Rate	15,915	0.0036	57.29	15,915	0.0036	57.29	0.00	0.00%	1.56%
Rural Rate Protection Charge	15,915	0.0021	33.42	15,915	0.0021	33.42	0.00	0.00%	0.91%
Ontario Electricity Support Program Charge	15,915	0.0011	17.51	15,915	0.0011	17.51	0.00	0.00%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.47			108.47	0.00	0.00%	2.96%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.87%
Total Electricity Charge on Two-Tier RPP (before HST)			3,208.29			3,241.36	33.07	1.03%	88.50%
HST		0.13	417.08		0.13	421.38	4.30	1.03%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,625.37			3,662.74	37.37	1.03%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,625.37			3,662.74	37.37	1.03%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 29 of 45

Rate Class	GSd
Monthly Consumption (kWh)	36,104
Peak (kW)	124
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	38,306
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	38,306	0.103	3,945.55	38,306	0.103	3,945.55	0.00	0.00%	48.32%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,945.55			3,945.55	0.00	0.00%	48.32%
Service Charge	1	104.42	104.42	1	106.28	106.28	1.86	1.78%	1.30%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	124	17.3532	2,151.80	124	17.8734	2,216.30	64.50	3.00%	27.14%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	124	0.0470	5.83	124	0.0470	5.83	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	38,306	0.0019	72.78	38,306	0.0019	72.78	0.00	0.00%	0.89%
Sub-Total: Distribution			2,334.81			2,401.17	66.36	2.84%	29.41%
Retail Transmission Rate – Network Service Rate	124	1.6718	207.31	124	1.6718	207.31	0.00	0.00%	2.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	124	1.2769	158.34	124	1.2769	158.34	0.00	0.00%	1.94%
Sub-Total: Retail Transmission			365.64			365.64	0.00	0.00%	4.48%
Sub-Total: Delivery			2,700.45			2,766.81	66.36	2.46%	33.89%
Wholesale Market Service Rate	38,306	0.0036	137.90	38,306	0.0036	137.90	0.00	0.00%	1.69%
Rural Rate Protection Charge	38,306	0.0021	80.44	38,306	0.0021	80.44	0.00	0.00%	0.99%
Ontario Electricity Support Program Charge	38,306	0.0011	42.14	38,306	0.0011	42.14	0.00	0.00%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			260.73			260.73	0.00	0.00%	3.19%
Debt Retirement Charge (DRC)	36,104	0.007	252.73	36,104	0.007	252.73	0.00	0.00%	3.10%
Total Electricity Charge on Two-Tier RPP (before HST)			7,159.46			7,225.83	66.36	0.93%	88.50%
HST		0.13	930.73		0.13	939.36	8.63	0.93%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			8,090.19			8,165.19	74.99	0.93%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			8,090.19			8,165.19	74.99	0.93%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 30 of 45

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.103	19,124.53	185,675	0.103	19,124.53	0.00	0.00%	52.07%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,124.53			19,124.53	0.00	0.00%	52.07%
Service Charge	1	104.42	104.42	1	106.28	106.28	1.86	1.78%	0.29%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	17.3532	8,676.60	500	17.8734	8,936.70	260.10	3.00%	24.33%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0470	23.50	500	0.0470	23.50	0.00	0.00%	0.06%
Volumetric Global Adjustment Account Rider	185,675	0.0019	352.78	185,675	0.0019	352.78	0.00	0.00%	0.96%
Sub-Total: Distribution			9,157.28			9,419.24	261.96	2.86%	25.64%
Retail Transmission Rate – Network Service Rate	500	1.6718	835.91	500	1.6718	835.91	0.00	0.00%	2.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2769	638.46	500	1.2769	638.46	0.00	0.00%	1.74%
Sub-Total: Retail Transmission			1,474.37			1,474.37	0.00	0.00%	4.01%
Sub-Total: Delivery			10,631.65			10,893.61	261.96	2.46%	29.66%
Wholesale Market Service Rate	185,675	0.0036	668.43	185,675	0.0036	668.43	0.00	0.00%	1.82%
Rural Rate Protection Charge	185,675	0.0021	389.92	185,675	0.0021	389.92	0.00	0.00%	1.06%
Ontario Electricity Support Program Charge	185,675	0.0011	204.24	185,675	0.0011	204.24	0.00	0.00%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,262.84			1,262.84	0.00	0.00%	3.44%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.33%
Total Electricity Charge on Two-Tier RPP (before HST)			32,244.01			32,505.97	261.96	0.81%	88.50%
HST		0.13	4,191.72		0.13	4,225.78	34.05	0.81%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			36,435.73			36,731.75	296.01	0.81%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			36,435.73			36,731.75	296.01	0.81%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 31 of 45

Rate Class	DGen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.103	32.78	318	0.103	32.78	0.00	0.00%	8.25%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			32.78			32.78	0.00	0.00%	8.25%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	49.83%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	10	9.5956	95.96	10	10.3790	103.79	7.83	8.16%	26.12%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10	0.0172	0.17	10	0.0172	0.17	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	318	0.0019	0.60	318	0.0019	0.60	0.00	0.00%	0.15%
Sub-Total: Distribution			294.77			302.61	7.83	2.66%	76.14%
Retail Transmission Rate – Network Service Rate	10	0.6311	6.31	10	0.6311	6.31	0.00	0.00%	1.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.5475	5.47	10	0.5475	5.47	0.00	0.00%	1.38%
Sub-Total: Retail Transmission			11.79			11.79	0.00	0.00%	2.97%
Sub-Total: Delivery			306.56			314.39	7.83	2.56%	79.11%
Wholesale Market Service Rate	318	0.0036	1.15	318	0.0036	1.15	0.00	0.00%	0.29%
Rural Rate Protection Charge	318	0.0021	0.67	318	0.0021	0.67	0.00	0.00%	0.17%
Ontario Electricity Support Program Charge	318	0.0011	0.35	318	0.0011	0.35	0.00	0.00%	0.09%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			2.41			2.41	0.00	0.00%	0.61%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.53%
Total Electricity Charge on Two-Tier RPP (before HST)			343.86			351.69	7.83	2.28%	88.50%
HST		0.13	44.70		0.13	45.72	1.02	2.28%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			388.56			397.41	8.85	2.28%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			388.56			397.41	8.85	2.28%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 32 of 45

Rate Class	DGen
Monthly Consumption (kWh)	1,328
Peak (kW)	13
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,409
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,409	0.103	145.13	1,409	0.103	145.13	0.00	0.00%	24.92%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			145.13			145.13	0.00	0.00%	24.92%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	34.00%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	13	9.5956	124.74	13	10.3790	134.93	10.18	8.16%	23.17%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	13	0.0172	0.22	13	0.0172	0.22	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	1,409	0.0019	2.68	1,409	0.0019	2.68	0.00	0.00%	0.46%
Sub-Total: Distribution			325.68			335.87	10.18	3.13%	57.66%
Retail Transmission Rate – Network Service Rate	13	0.6311	8.20	13	0.6311	8.20	0.00	0.00%	1.41%
Retail Transmission Rate – Line and Transformation Connection Service Rate	13	0.5475	7.12	13	0.5475	7.12	0.00	0.00%	1.22%
Sub-Total: Retail Transmission			15.32			15.32	0.00	0.00%	2.63%
Sub-Total: Delivery			341.00			351.19	10.18	2.99%	60.29%
Wholesale Market Service Rate	1,409	0.0036	5.07	1,409	0.0036	5.07	0.00	0.00%	0.87%
Rural Rate Protection Charge	1,409	0.0021	2.96	1,409	0.0021	2.96	0.00	0.00%	0.51%
Ontario Electricity Support Program Charge	1,409	0.0011	1.55	1,409	0.0011	1.55	0.00	0.00%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			9.83			9.83	0.00	0.00%	1.69%
Debt Retirement Charge (DRC)	1,328	0.007	9.30	1,328	0.007	9.30	0.00	0.00%	1.60%
Total Electricity Charge on Two-Tier RPP (before HST)			505.26			515.44	10.18	2.02%	88.50%
HST		0.13	65.68		0.13	67.01	1.32	2.02%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			570.94			582.45	11.51	2.02%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			570.94			582.45	11.51	2.02%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 33 of 45

Rate Class	DGen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.103	546.42	5,305	0.103	546.42	0.00	0.00%	24.38%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			546.42			546.42	0.00	0.00%	24.38%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	8.84%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	9.5956	959.56	100	10.3790	1,037.90	78.34	8.16%	46.31%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0172	1.72	100	0.0172	1.72	0.00	0.00%	0.08%
Volumetric Global Adjustment Account Rider	5,305	0.0019	10.08	5,305	0.0019	10.08	0.00	0.00%	0.45%
Sub-Total: Distribution			1,169.40			1,247.74	78.34	6.70%	55.67%
Retail Transmission Rate – Network Service Rate	100	0.6311	63.11	100	0.6311	63.11	0.00	0.00%	2.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.5475	54.75	100	0.5475	54.75	0.00	0.00%	2.44%
Sub-Total: Retail Transmission			117.86			117.86	0.00	0.00%	5.26%
Sub-Total: Delivery			1,287.26			1,365.60	78.34	6.09%	60.93%
Wholesale Market Service Rate	5,305	0.0036	19.10	5,305	0.0036	19.10	0.00	0.00%	0.85%
Rural Rate Protection Charge	5,305	0.0021	11.14	5,305	0.0021	11.14	0.00	0.00%	0.50%
Ontario Electricity Support Program Charge	5,305	0.0011	5.84	5,305	0.0011	5.84	0.00	0.00%	0.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			36.32			36.32	0.00	0.00%	1.62%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.56%
Total Electricity Charge on Two-Tier RPP (before HST)			1,904.99			1,983.33	78.34	4.11%	88.50%
HST		0.13	247.65		0.13	257.83	10.18	4.11%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,152.64			2,241.17	88.52	4.11%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,152.64			2,241.17	88.52	4.11%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 34 of 45

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.103	21,300.40	206,800	0.103	21,300.40	0.00	0.00%	63.58%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			21,300.40			21,300.40	0.00	0.00%	63.58%
Service Charge	1	1226.63	1,226.63	1	1256.88	1,256.88	30.25	2.47%	3.75%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.01%
Distribution Volumetric Rate	500	1.3683021	684.15	500	1.4140357	707.02	22.87	3.34%	2.11%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.2729	136.45	500	0.2729	136.45	0.00	0.00%	0.41%
Volumetric Global Adjustment Account Rider	206,800	0.0019	392.92	206,800	0.0019	392.92	0.00	0.00%	1.17%
Sub-Total: Distribution			2,443.98			2,497.10	53.12	2.17%	7.45%
Retail Transmission Rate – Network Service Rate	500	3.4866	1,743.32	500	3.4866	1,743.32	0.00	0.00%	5.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6022	1,301.08	500	2.6022	1,301.08	0.00	0.00%	3.88%
Sub-Total: Retail Transmission			3,044.41			3,044.41	0.00	0.00%	9.09%
Sub-Total: Delivery			5,488.39			5,541.50	53.12	0.97%	16.54%
Wholesale Market Service Rate	206,800	0.0036	744.48	206,800	0.0036	744.48	0.00	0.00%	2.22%
Rural Rate Protection Charge	206,800	0.0021	434.28	206,800	0.0021	434.28	0.00	0.00%	1.30%
Ontario Electricity Support Program Charge	206,800	0.0011	227.48	206,800	0.0011	227.48	0.00	0.00%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,406.49			1,406.49	0.00	0.00%	4.20%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.18%
Total Electricity Charge on Two-Tier RPP (before HST)			29,595.28			29,648.39	53.12	0.18%	88.50%
HST		0.13	3,847.39		0.13	3,854.29	6.91	0.18%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			33,442.66			33,502.69	60.02	0.18%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			33,442.66			33,502.69	60.02	0.18%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 35 of 45

Rate Class	ST
Monthly Consumption (kWh)	1,601,036
Peak (kW)	3,091
Loss factor	1.034
Load factor	71%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,655,471
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,655,471	0.103	170,513.54	1,655,471	0.103	170,513.54	0.00	0.00%	68.15%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			170,513.54			170,513.54	0.00	0.00%	68.15%
Service Charge	1	1226.63	1,226.63	1	1256.88	1,256.88	30.25	2.47%	0.50%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	3,091	1.3683021	4,229.42	3,091	1.4140357	4,370.78	141.36	3.34%	1.75%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	3,091	0.2729	843.53	3,091	0.2729	843.53	0.00	0.00%	0.34%
Volumetric Global Adjustment Account Rider	1,655,471	0.0019	3,145.40	1,655,471	0.0019	3,145.40	0.00	0.00%	1.26%
Sub-Total: Distribution			9,448.81			9,620.42	171.61	1.82%	3.85%
Retail Transmission Rate – Network Service Rate	3,091	3.486648	10,777.23	3,091	3.4866	10,777.23	0.00	0.00%	4.31%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,091	2.6022	8,043.29	3,091	2.6022	8,043.29	0.00	0.00%	3.21%
Sub-Total: Retail Transmission			18,820.52			18,820.52	0.00	0.00%	7.52%
Sub-Total: Delivery			28,269.33			28,440.94	171.61	0.61%	11.37%
Wholesale Market Service Rate	1,655,471	0.0036	5,959.70	1,655,471	0.0036	5,959.70	0.00	0.00%	2.38%
Rural Rate Protection Charge	1,655,471	0.0021	3,476.49	1,655,471	0.0021	3,476.49	0.00	0.00%	1.39%
Ontario Electricity Support Program Charge	1,655,471	0.0011	1,821.02	1,655,471	0.0011	1,821.02	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			11,257.45			11,257.45	0.00	0.00%	4.50%
Debt Retirement Charge (DRC)	1,601,036	0.007	11,207.25	1,601,036	0.007	11,207.25	0.00	0.00%	4.48%
Total Electricity Charge on Two-Tier RPP (before HST)			221,247.57			221,419.18	171.61	0.08%	88.50%
HST		0.13	28,762.18		0.13	28,784.49	22.31	0.08%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			250,009.76			250,203.68	193.92	0.08%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			250,009.76			250,203.68	193.92	0.08%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 36 of 45

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.103	426,008.00	4,136,000	0.103	426,008.00	0.00	0.00%	66.26%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			426,008.00			426,008.00	0.00	0.00%	66.26%
Service Charge	1	1226.63	1,226.63	1	1256.88	1,256.88	30.25	2.47%	0.20%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	10,000	1.3683021	13,683.02	10,000	1.4140357	14,140.36	457.34	3.34%	2.20%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0.2729	2,729.00	10,000	0.2729	2,729.00	0.00	0.00%	0.42%
Volumetric Global Adjustment Account Rider	4,136,000	0.0019	7,858.40	4,136,000	0.0019	7,858.40	0.00	0.00%	1.22%
Sub-Total: Distribution			25,500.88			25,988.47	487.59	1.91%	4.04%
Retail Transmission Rate – Network Service Rate	10,000	3.4866	34,866.48	10,000	3.4866	34,866.48	0.00	0.00%	5.42%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6022	26,021.64	10,000	2.6022	26,021.64	0.00	0.00%	4.05%
Sub-Total: Retail Transmission			60,888.12			60,888.12	0.00	0.00%	9.47%
Sub-Total: Delivery			86,389.00			86,876.59	487.59	0.56%	13.51%
Wholesale Market Service Rate	4,136,000	0.0036	14,889.60	4,136,000	0.0036	14,889.60	0.00	0.00%	2.32%
Rural Rate Protection Charge	4,136,000	0.0021	8,685.60	4,136,000	0.0021	8,685.60	0.00	0.00%	1.35%
Ontario Electricity Support Program Charge	4,136,000	0.0011	4,549.60	4,136,000	0.0011	4,549.60	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			28,125.05			28,125.05	0.00	0.00%	4.37%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.35%
Total Electricity Charge on Two-Tier RPP (before HST)			568,522.05			569,009.64	487.59	0.09%	88.50%
HST		0.13	73,907.87		0.13	73,971.25	63.39	0.09%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			642,429.92			642,980.89	550.97	0.09%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			642,429.92			642,980.89	550.97	0.09%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 37 of 45

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	18.25%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	18.25%
Service Charge	1	35.76	35.76	1	36.88	36.88	1.12	3.13%	65.33%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.02%
Distribution Volumetric Rate	100	0.0293	2.93	100	0.03	3.00	0.07	2.39%	5.31%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	109	0.0000	0.00	109	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			38.70			39.89	1.19	3.07%	70.66%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	1.68%
Sub-Total: Distribution			39.65			40.84	1.19	3.00%	72.34%
Retail Transmission Rate – Network Service Rate	109	0.0048	0.52	109	0.0048	0.52	0.00	0.00%	0.92%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0038	0.41	109	0.0038	0.41	0.00	0.00%	0.73%
Sub-Total: Retail Transmission			0.94			0.94	0.00	0.00%	1.66%
Sub-Total: Delivery			40.58			41.77	1.19	2.93%	73.99%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	0.70%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.41%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.21%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.44%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	1.76%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.24%
Total Electricity Charge on Two-Tier RPP (before HST)			52.58			53.77	1.19	2.26%	95.24%
HST		0.13	6.83		0.13	6.99	0.15	2.26%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			59.41			60.75	1.34	2.26%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.21		-0.08	-4.30	-0.10	2.26%	-7.62%
Total Amount on Two-Tier RPP			55.20			56.45	1.25	2.26%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 38 of 45

Rate Class	USL
Monthly Consumption (kWh)	364
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	397
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	364	0.103	37.49	364	0.103	37.49	0.00	0.00%	36.54%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			37.49			37.49	0.00	0.00%	36.54%
Service Charge	1	35.76	35.76	1	36.88	36.88	1.12	3.13%	35.95%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.01%
Distribution Volumetric Rate	364	0.0293	10.67	364	0.03	10.92	0.25	2.39%	10.64%
Volumetric Deferral/Variance Account Rider (including CBR Class	364	0.0002	0.07	364	0.0002	0.07	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	397	0.0000	0.00	397	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			46.49			47.86	1.37	2.96%	46.65%
Line Losses on Cost of Power	33	0.10	3.45	33	0.10	3.45	0.00	0.00%	3.36%
Sub-Total: Distribution			49.94			51.31	1.37	2.75%	50.01%
Retail Transmission Rate – Network Service Rate	397	0.0048	1.90	397	0.0048	1.90	0.00	0.00%	1.85%
Retail Transmission Rate – Line and Transformation Connection S	397	0.0038	1.51	397	0.0038	1.51	0.00	0.00%	1.47%
Sub-Total: Retail Transmission			3.40			3.40	0.00	0.00%	3.32%
Sub-Total: Delivery			53.34			54.72	1.37	2.58%	53.33%
Wholesale Market Service Rate	397	0.0036	1.43	397	0.0036	1.43	0.00	0.00%	1.39%
Rural Rate Protection Charge	397	0.0021	0.83	397	0.0021	0.83	0.00	0.00%	0.81%
Ontario Electricity Support Program Charge	397	0.0011	0.44	397	0.0011	0.44	0.00	0.00%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.24%
Sub-Total: Regulatory			2.95			2.95	0.00	0.00%	2.88%
Debt Retirement Charge (DRC)	364	0.007	2.55	364	0.007	2.55	0.00	0.00%	2.48%
Total Electricity Charge on Two-Tier RPP (before HST)			96.33			97.71	1.37	1.43%	95.24%
HST		0.13	12.52		0.13	12.70	0.18	1.43%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			108.86			110.41	1.55	1.43%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.71		-0.08	-7.82	-0.11	1.43%	-7.62%
Total Amount on Two-Tier RPP			101.15			102.59	1.44	1.43%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
 EB-2017-0049
 Exhibit H1-4-1
 Attachment 3
 Page 39 of 45

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	35.08%
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	13.74%
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	48.82%
Service Charge	1	35.76	35.76	1	36.88	36.88	1.12	3.13%	16.75%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0293	29.30	1,000	0.03	30.00	0.70	2.39%	13.62%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.09%
Volumetric Global Adjustment Account Rider	1,092	0.0000	0.00	1,092	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			65.25			67.07	1.82	2.79%	30.46%
Line Losses on Cost of Power	92	0.12	11.13	92	0.12	11.13	0.00	0.00%	5.06%
Sub-Total: Distribution			76.38			78.20	1.82	2.38%	35.51%
Retail Transmission Rate – Network Service Rate	1,092	0.0048	5.21	1,092	0.0048	5.21	0.00	0.00%	2.37%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.0038	4.14	1,092	0.0038	4.14	0.00	0.00%	1.88%
Sub-Total: Retail Transmission			9.35			9.35	0.00	0.00%	4.25%
Sub-Total: Delivery			85.73			87.55	1.82	2.12%	39.76%
Wholesale Market Service Rate	1,092	0.0036	3.93	1,092	0.0036	3.93	0.00	0.00%	1.79%
Rural Rate Protection Charge	1,092	0.0021	2.29	1,092	0.0021	2.29	0.00	0.00%	1.04%
Ontario Electricity Support Program Charge	1,092	0.0011	1.20	1,092	0.0011	1.20	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%
Sub-Total: Regulatory			7.68			7.68	0.00	0.00%	3.49%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.18%
Total Electricity Charge on Two-Tier RPP (before HST)			207.91			209.73	1.82	0.88%	95.24%
HST		0.13	27.03		0.13	27.26	0.24	0.88%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			234.94			237.00	2.06	0.88%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.63		-0.08	-16.78	-0.15	0.88%	-7.62%
Total Amount on Two-Tier RPP			218.31			220.22	1.91	0.88%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 40 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	22
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.103	2.06	20	0.103	2.06	0.00	0.00%	21.65%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2.06			2.06	0.00	0.00%	21.65%
Service Charge	1	3.26	3.26	1	3.45	3.45	0.19	5.83%	36.26%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	20	0.1239	2.48	20	0.1312	2.62	0.15	5.89%	27.58%
Volumetric Deferral/Variance Account Rider (including CBR Class	20	0.0001	0.00	20	0.0001	0.00	0.00	0.00%	0.02%
Sub-Total: Distribution (excluding pass through)			5.74			6.08	0.34	5.85%	63.87%
Line Losses on Cost of Power	2	0.10	0.19	2	0.10	0.19	0.00	0.00%	1.99%
Sub-Total: Distribution			5.93			6.27	0.34	5.67%	65.86%
Retail Transmission Rate – Network Service Rate	22	0.004698	0.10	22	0.0047	0.10	0.00	0.00%	1.08%
Retail Transmission Rate – Line and Transformation Connection S	22	0.00429	0.09	22	0.0043	0.09	0.00	0.00%	0.98%
Sub-Total: Retail Transmission			0.20			0.20	0.00	0.00%	2.06%
Sub-Total: Delivery			6.13			6.46	0.34	5.48%	67.92%
Wholesale Market Service Rate	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.83%
Rural Rate Protection Charge	22	0.0021	0.05	22	0.0021	0.05	0.00	0.00%	0.48%
Ontario Electricity Support Program Charge	22	0.0011	0.02	22	0.0011	0.02	0.00	0.00%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.63%
Sub-Total: Regulatory			0.40			0.40	0.00	0.00%	4.19%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.47%
Total Electricity Charge on Two-Tier RPP (before HST)			8.72			9.06	0.34	3.85%	95.24%
HST			0.13		0.13	1.18	0.04	3.85%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			9.86			10.24	0.38	3.85%	107.62%
Rebate equal to Ontario portion of HST (8%)			-0.08		-0.08	-0.72	-0.03	3.85%	-7.62%
Total Amount on Two-Tier RPP			9.16			9.51	0.35	3.85%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 41 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	71
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	78
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	71	0.103	7.31	71	0.103	7.31	0.00	0.00%	30.64%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.31			7.31	0.00	0.00%	30.64%
Service Charge	1	3.26	3.26	1	3.45	3.45	0.19	5.83%	14.46%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	71	0.1239	8.80	71	0.1312	9.32	0.52	5.89%	39.03%
Volumetric Deferral/Variance Account Rider (including CBR Class	71	0.0001	0.01	71	0.0001	0.01	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			12.06			12.77	0.71	5.87%	53.52%
Line Losses on Cost of Power	7	0.10	0.67	7	0.10	0.67	0.00	0.00%	2.82%
Sub-Total: Distribution			12.74			13.45	0.71	5.56%	56.34%
Retail Transmission Rate – Network Service Rate	78	0.004698	0.36	78	0.0047	0.36	0.00	0.00%	1.53%
Retail Transmission Rate – Line and Transformation Connection S	78	0.00429	0.33	78	0.0043	0.33	0.00	0.00%	1.39%
Sub-Total: Retail Transmission			0.70			0.70	0.00	0.00%	2.92%
Sub-Total: Delivery			13.43			14.14	0.71	5.27%	59.26%
Wholesale Market Service Rate	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.17%
Rural Rate Protection Charge	78	0.0021	0.16	78	0.0021	0.16	0.00	0.00%	0.68%
Ontario Electricity Support Program Charge	78	0.0011	0.09	78	0.0011	0.09	0.00	0.00%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.05%
Sub-Total: Regulatory			0.78			0.78	0.00	0.00%	3.26%
Debt Retirement Charge (DRC)	71	0.007	0.50	71	0.007	0.50	0.00	0.00%	2.08%
Total Electricity Charge on Two-Tier RPP (before HST)			22.02			22.73	0.71	3.22%	95.24%
HST		0.13	2.86		0.13	2.95	0.09	3.22%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			24.88			25.68	0.80	3.22%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.76		-0.08	-1.82	-0.06	3.22%	-7.62%
Total Amount on Two-Tier RPP			23.12			23.87	0.74	3.22%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 42 of 45

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.103	20.60	200	0.103	20.60	0.00	0.00%	34.24%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			20.60			20.60	0.00	0.00%	34.24%
Service Charge	1	3.26	3.26	1	3.45	3.45	0.19	5.83%	5.73%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	200	0.1239	24.78	200	0.1312	26.24	1.46	5.89%	43.61%
Volumetric Deferral/Variance Account Rider (including CBR Class	200	0.0001	0.02	200	0.0001	0.02	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			28.06			29.71	1.65	5.88%	49.38%
Line Losses on Cost of Power	18	0.10	1.90	18	0.10	1.90	0.00	0.00%	3.15%
Sub-Total: Distribution			29.96			31.61	1.65	5.51%	52.53%
Retail Transmission Rate – Network Service Rate	218	0.004698	1.03	218	0.0047	1.03	0.00	0.00%	1.71%
Retail Transmission Rate – Line and Transformation Connection S	218	0.00429	0.94	218	0.0043	0.94	0.00	0.00%	1.56%
Sub-Total: Retail Transmission			1.96			1.96	0.00	0.00%	3.26%
Sub-Total: Delivery			31.92			33.57	1.65	5.17%	55.79%
Wholesale Market Service Rate	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.31%
Rural Rate Protection Charge	218	0.0021	0.46	218	0.0021	0.46	0.00	0.00%	0.76%
Ontario Electricity Support Program Charge	218	0.0011	0.24	218	0.0011	0.24	0.00	0.00%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.42%
Sub-Total: Regulatory			1.74			1.74	0.00	0.00%	2.88%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.33%
Total Electricity Charge on Two-Tier RPP (before HST)			55.65			57.30	1.65	2.96%	95.24%
HST		0.13	7.23		0.13	7.45	0.21	2.96%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			62.89			64.75	1.86	2.96%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.45		-0.08	-4.58	-0.13	2.96%	-7.62%
Total Amount on Two-Tier RPP			58.44			60.17	1.73	2.96%	100.00%

2020 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 43 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	34.17%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	34.17%
Service Charge	1	4.21	4.21	1	4.33	4.33	0.12	2.85%	14.36%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	0.1013	10.13	100	0.1044	10.44	0.31	3.06%	34.63%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			14.36			14.79	0.43	2.99%	49.06%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	3.14%
Sub-Total: Distribution			15.31			15.74	0.43	2.81%	52.20%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0047	0.51	0.00	0.00%	1.70%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0043	0.47	109	0.0043	0.47	0.00	0.00%	1.55%
Sub-Total: Retail Transmission			0.98			0.98	0.00	0.00%	3.26%
Sub-Total: Delivery			16.29			16.72	0.43	2.64%	55.46%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	1.30%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.76%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.83%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	3.29%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.32%
Total Electricity Charge on Two-Tier RPP (before HST)			28.28			28.71	0.43	1.52%	95.24%
HST		0.13	3.68		0.13	3.73	0.06	1.52%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			31.96			32.44	0.49	1.52%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-2.26		-0.08	-2.30	-0.03	1.52%	-7.62%
Total Amount on Two-Tier RPP			29.70			30.15	0.45	1.52%	100.00%

2020 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 44 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	517
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	565
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	517	0.103	53.25	517	0.103	53.25	0.00	0.00%	39.35%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53.25			53.25	0.00	0.00%	39.35%
Service Charge	1	4.21	4.21	1	4.33	4.33	0.12	2.85%	3.20%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	517	0.1013	52.37	517	0.1044	53.97	1.60	3.06%	39.88%
Volumetric Deferral/Variance Account Rider (including CBR Class)	517	0.0002	0.10	517	0.0002	0.10	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			56.69			58.41	1.72	3.04%	43.16%
Line Losses on Cost of Power	48	0.10	4.90	48	0.10	4.90	0.00	0.00%	3.62%
Sub-Total: Distribution			61.58			63.31	1.72	2.80%	46.78%
Retail Transmission Rate – Network Service Rate	565	0.0047	2.65	565	0.0047	2.65	0.00	0.00%	1.96%
Retail Transmission Rate – Line and Transformation Connection S	565	0.0043	2.42	565	0.0043	2.42	0.00	0.00%	1.79%
Sub-Total: Retail Transmission			5.07			5.07	0.00	0.00%	3.75%
Sub-Total: Delivery			66.66			68.38	1.72	2.58%	50.53%
Wholesale Market Service Rate	565	0.0036	2.03	565	0.0036	2.03	0.00	0.00%	1.50%
Rural Rate Protection Charge	565	0.0013	0.73	565	0.0013	0.73	0.00	0.00%	0.54%
Ontario Electricity Support Program Charge	565	0.0011	0.62	565	0.0011	0.62	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%
Sub-Total: Regulatory			3.64			3.64	0.00	0.00%	2.69%
Debt Retirement Charge (DRC)	517	0.007	3.62	517	0.007	3.62	0.00	0.00%	2.67%
Total Electricity Charge on Two-Tier RPP (before HST)			127.17			128.89	1.72	1.35%	95.24%
HST		0.13	16.53		0.13	16.76	0.22	1.35%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			143.70			145.64	1.95	1.35%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.17		-0.08	-10.31	-0.14	1.35%	-7.62%
Total Amount on Two-Tier RPP			133.52			135.33	1.81	1.35%	100.00%

2020 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 3
Page 45 of 45

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.34%
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	28.08%
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	42.42%
Service Charge	1	4.21	4.21	1	4.33	4.33	0.12	2.85%	0.80%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.1013	202.60	2,000	0.1044	208.80	6.20	3.06%	38.76%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			207.21			213.53	6.32	3.05%	39.64%
Line Losses on Cost of Power	184	0.12	22.26	184	0.12	22.26	0.00	0.00%	4.13%
Sub-Total: Distribution			229.47			235.79	6.32	2.75%	43.77%
Retail Transmission Rate – Network Service Rate	2,184	0.0047	10.26	2,184	0.0047	10.26	0.00	0.00%	1.90%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.0043	9.37	2,184	0.0043	9.37	0.00	0.00%	1.74%
Sub-Total: Retail Transmission			19.63			19.63	0.00	0.00%	3.64%
Sub-Total: Delivery			249.10			255.42	6.32	2.54%	47.42%
Wholesale Market Service Rate	2,184	0.0036	7.86	2,184	0.0036	7.86	0.00	0.00%	1.46%
Rural Rate Protection Charge	2,184	0.0021	4.59	2,184	0.0021	4.59	0.00	0.00%	0.85%
Ontario Electricity Support Program Charge	2,184	0.0011	2.40	2,184	0.0011	2.40	0.00	0.00%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			15.10			15.10	0.00	0.00%	2.80%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.60%
Total Electricity Charge on Two-Tier RPP (before HST)			506.70			513.02	6.32	1.25%	95.24%
HST		0.13	65.87		0.13	66.69	0.82	1.25%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			572.58			579.72	7.14	1.25%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.54		-0.08	-41.04	-0.51	1.25%	-7.62%
Total Amount on Two-Tier RPP			532.04			538.68	6.64	1.25%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	370
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 1 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	41.05%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	41.05%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		21.73%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		8.62%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		12.45%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	44.39%	42.80%
Service Charge	1	35.88	35.88	1	36.72	36.72	0.84	2.34%	41.81%	40.32%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	350	0.0000	0.00	350	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			35.96			36.80	0.84	2.34%	41.90%	40.40%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.90%	0.87%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.10	2.05	20	0.10	2.05	0.00	0.00%	2.34%	2.26%
Line Losses on Cost of Power (based on TOU prices)	20	0.11	2.22	20	0.11	2.22	0.00	0.00%	2.53%	2.44%
Sub-Total: Distribution (based on two-tier RPP prices)			38.80			39.64	0.84	2.16%	45.14%	43.53%
Sub-Total: Distribution (based on TOU prices)			38.97			39.81	0.84	2.16%	45.33%	43.71%
Retail Transmission Rate – Network Service Rate	370	0.0078	2.90	370	0.0077	2.85	-0.05	-1.64%	3.24%	3.13%
Retail Transmission Rate – Line and Transformation Connection Service Rate	370	0.0064	2.38	370	0.0063	2.33	-0.05	-2.14%	2.65%	2.56%
Sub-Total: Retail Transmission			5.28			5.18	-0.10	-1.86%	5.90%	5.69%
Sub-Total: Delivery (based on two-tier RPP prices)			44.08			44.82	0.74	1.68%	51.04%	49.21%
Sub-Total: Delivery (based on TOU prices)			44.25			44.99	0.74	1.68%	51.23%	49.40%
Wholesale Market Service Rate	370	0.0036	1.33	370	0.0036	1.33	0.00	0.00%	1.52%	1.46%
Rural Rate Protection Charge	370	0.0021	0.78	370	0.0021	0.78	0.00	0.00%	0.88%	0.85%
Ontario Electricity Support Program Charge	370	0.0011	0.41	370	0.0011	0.41	0.00	0.00%	0.46%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.28%	0.27%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	3.15%	3.04%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			82.90			83.64	0.74	0.89%	95.24%	
HST		0.13	10.78		0.13	10.87	0.10	0.89%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			93.67			94.51	0.84	0.89%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.63		-0.08	-6.69	-0.06	0.89%	-7.62%	
Total Amount on Two-Tier RPP			87.04			87.82	0.78	0.89%	100.00%	
Total Electricity Charge on TOU (before HST)			86.00			86.74	0.74	0.86%		95.24%
HST		0.13	11.18		0.13	11.28	0.10	0.86%		12.38%
Total Electricity Charge on TOU (including HST)			97.18			98.02	0.84	0.86%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.88		-0.08	-6.94	-0.06	0.86%		-7.62%
Total Amount on TOU			90.30			91.08	0.78	0.86%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	793
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 2 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	42.18%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.39%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	54.57%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		28.30%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.23%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.22%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	57.02%	55.75%
Service Charge	1	35.88	35.88	1	36.72	36.72	0.84	2.34%	25.06%	24.50%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	750	0.0000	0.00	750	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			36.04			36.88	0.84	2.33%	25.17%	24.61%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.53%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.17	43	0.12	5.17	0.00	0.00%	3.53%	3.45%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.76	43	0.11	4.76	0.00	0.00%	3.25%	3.18%
Sub-Total: Distribution (based on two-tier RPP prices)			42.00			42.84	0.84	2.00%	29.24%	28.59%
Sub-Total: Distribution (based on TOU prices)			41.59			42.43	0.84	2.02%	28.96%	28.32%
Retail Transmission Rate – Network Service Rate	793	0.0078	6.21	793	0.0077	6.10	-0.10	-1.64%	4.17%	4.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	793	0.0064	5.10	793	0.0063	4.99	-0.11	-2.14%	3.41%	3.33%
Sub-Total: Retail Transmission			11.31			11.10	-0.21	-1.86%	7.58%	7.41%
Sub-Total: Delivery (based on two-tier RPP prices)			53.31			53.94	0.63	1.18%	36.82%	36.00%
Sub-Total: Delivery (based on TOU prices)			52.90			53.53	0.63	1.19%	36.54%	35.72%
Wholesale Market Service Rate	793	0.0036	2.85	793	0.0036	2.85	0.00	0.00%	1.95%	1.90%
Rural Rate Protection Charge	793	0.0021	1.66	793	0.0021	1.66	0.00	0.00%	1.14%	1.11%
Ontario Electricity Support Program Charge	793	0.0011	0.87	793	0.0011	0.87	0.00	0.00%	0.60%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.64			5.64	0.00	0.00%	3.85%	3.76%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			138.90			139.53	0.63	0.45%	95.24%	
HST		0.13	18.06		0.13	18.14	0.08	0.45%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			156.96			157.67	0.71	0.45%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.11		-0.08	-11.16	-0.05	0.45%	-7.62%	
Total Amount on Two-Tier RPP			145.85			146.51	0.66	0.45%	100.00%	
Total Electricity Charge on TOU (before HST)			142.08			142.71	0.63	0.44%		95.24%
HST		0.13	18.47		0.13	18.55	0.08	0.44%		12.38%
Total Electricity Charge on TOU (including HST)			160.56			161.27	0.71	0.44%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.37		-0.08	-11.42	-0.05	0.44%		-7.62%
Total Amount on TOU			149.19			149.85	0.66	0.44%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	755
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	798
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 3 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	41.96%	
Energy Second Tier (kWh)	155	0.121	18.76	155	0.121	18.76	0.00	0.00%	12.73%	
Sub-Total: Energy (RPP)			80.56			80.56	0.00	0.00%	54.69%	
TOU-Off Peak	491	0.087	42.70	491	0.087	42.70	0.00	0.00%		28.35%
TOU-Mid Peak	128	0.132	16.94	128	0.132	16.94	0.00	0.00%		11.25%
TOU-On Peak	136	0.180	24.46	136	0.180	24.46	0.00	0.00%		16.24%
Sub-Total: Energy (TOU)			84.10			84.10	0.00	0.00%	57.10%	55.85%
Service Charge	1	35.88	35.88	1	36.72	36.72	0.84	2.34%	24.93%	24.39%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	755	0.0000	0.00	755	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	755	0.0002	0.15	755	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			36.04			36.88	0.84	2.33%	25.04%	24.49%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.21	43	0.12	5.21	0.00	0.00%	3.54%	3.46%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.79	43	0.11	4.79	0.00	0.00%	3.25%	3.18%
Sub-Total: Distribution (based on two-tier RPP prices)			42.04			42.88	0.84	2.00%	29.11%	28.47%
Sub-Total: Distribution (based on TOU prices)			41.62			42.46	0.84	2.02%	28.83%	28.20%
Retail Transmission Rate – Network Service Rate	798	0.0078	6.25	798	0.0077	6.14	-0.10	-1.64%	4.17%	4.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	798	0.0064	5.14	798	0.0063	5.03	-0.11	-2.14%	3.41%	3.34%
Sub-Total: Retail Transmission			11.38			11.17	-0.21	-1.86%	7.59%	7.42%
Sub-Total: Delivery (based on two-tier RPP prices)			53.42			54.05	0.63	1.18%	36.70%	35.89%
Sub-Total: Delivery (based on TOU prices)			53.01			53.64	0.63	1.18%	36.41%	35.62%
Wholesale Market Service Rate	798	0.0036	2.87	798	0.0036	2.87	0.00	0.00%	1.95%	1.91%
Rural Rate Protection Charge	798	0.0021	1.68	798	0.0021	1.68	0.00	0.00%	1.14%	1.11%
Ontario Electricity Support Program Charge	798	0.0011	0.88	798	0.0011	0.88	0.00	0.00%	0.60%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.68			5.68	0.00	0.00%	3.85%	3.77%
Debt Retirement Charge (DRC)	755	0.000	0.00	755	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			139.65			140.28	0.63	0.45%	95.24%	
HST		0.13	18.16		0.13	18.24	0.08	0.45%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			157.81			158.52	0.71	0.45%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.17		-0.08	-11.22	-0.05	0.45%	-7.62%	
Total Amount on Two-Tier RPP			146.64			147.30	0.66	0.45%	100.00%	
Total Electricity Charge on TOU (before HST)			142.79			143.41	0.63	0.44%		95.24%
HST		0.13	18.56		0.13	18.64	0.08	0.44%		12.38%
Total Electricity Charge on TOU (including HST)			161.35			162.06	0.71	0.44%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.42		-0.08	-11.47	-0.05	0.44%		-7.62%
Total Amount on TOU			149.92			150.58	0.66	0.44%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1480
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 4 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.83%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	38.88%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	63.71%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		32.27%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		12.80%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		18.49%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	62.64%	63.56%
Service Charge	1	35.88	35.88	1	36.72	36.72	0.84	2.34%	14.75%	14.97%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0.0000	0.00	1,400	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,400	0.0002	0.28	1,400	0.0002	0.28	0.00	0.00%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			36.17			37.01	0.84	2.32%	14.87%	15.08%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.12	9.66	80	0.12	9.66	0.00	0.00%	3.88%	3.94%
Line Losses on Cost of Power (based on TOU prices)	80	0.11	8.89	80	0.11	8.89	0.00	0.00%	3.57%	3.62%
Sub-Total: Distribution (based on two-tier RPP prices)			46.62			47.46	0.84	1.80%	19.06%	19.34%
Sub-Total: Distribution (based on TOU prices)			45.85			46.69	0.84	1.83%	18.76%	19.03%
Retail Transmission Rate – Network Service Rate	1,480	0.0078	11.58	1,480	0.0077	11.39	-0.19	-1.64%	4.58%	4.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,480	0.0064	9.53	1,480	0.0063	9.32	-0.20	-2.14%	3.74%	3.80%
Sub-Total: Retail Transmission			21.11			20.72	-0.39	-1.86%	8.32%	8.44%
Sub-Total: Delivery (based on two-tier RPP prices)			67.73			68.17	0.45	0.66%	27.39%	27.79%
Sub-Total: Delivery (based on TOU prices)			66.96			67.41	0.45	0.67%	27.08%	27.47%
Wholesale Market Service Rate	1,480	0.0036	5.33	1,480	0.0036	5.33	0.00	0.00%	2.14%	2.17%
Rural Rate Protection Charge	1,480	0.0021	3.11	1,480	0.0021	3.11	0.00	0.00%	1.25%	1.27%
Ontario Electricity Support Program Charge	1,480	0.0011	1.63	1,480	0.0011	1.63	0.00	0.00%	0.65%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			10.31			10.31	0.00	0.00%	4.14%	4.20%
Debt Retirement Charge (DRC)	1,400	0.000	0.00	1,400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			236.64			237.09	0.45	0.19%	95.24%	
HST		0.13	30.76		0.13	30.82	0.06	0.19%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			267.40			267.91	0.50	0.19%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.93		-0.08	-18.97	-0.04	0.19%	-7.62%	
Total Amount on Two-Tier RPP			248.47			248.94	0.47	0.19%	100.00%	
Total Electricity Charge on TOU (before HST)			233.22			233.66	0.45	0.19%		95.24%
HST		0.13	30.32		0.13	30.38	0.06	0.19%		12.38%
Total Electricity Charge on TOU (including HST)			263.54			264.04	0.50	0.19%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.66		-0.08	-18.69	-0.04	0.19%		-7.62%
Total Amount on TOU			244.88			245.35	0.47	0.19%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	430
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 5 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	35.34%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	35.34%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		18.79%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		7.46%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		10.77%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	38.22%	37.02%
Service Charge	1	47.11	47.11	1	52.36	52.36	5.25	11.14%	44.92%	43.50%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.0160	6.40	400	0.0116	4.64	-1.76	-27.50%	3.98%	3.86%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	400	0.0002	0.08	400	0.0002	0.08	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			53.59			57.08	3.49	6.51%	48.97%	47.42%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.68%	0.66%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.10	3.13	30	0.10	3.13	0.00	0.00%	2.69%	2.60%
Line Losses on Cost of Power (based on TOU prices)	30	0.11	3.39	30	0.11	3.39	0.00	0.00%	2.90%	2.81%
Sub-Total: Distribution (based on two-tier RPP prices)			57.51			61.00	3.49	6.07%	52.33%	50.68%
Sub-Total: Distribution (based on TOU prices)			57.77			61.26	3.49	6.04%	52.55%	50.89%
Retail Transmission Rate – Network Service Rate	430	0.0072	3.10	430	0.0072	3.10	0.00	-0.10%	2.66%	2.57%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.0060	2.60	430	0.0059	2.54	-0.06	-2.19%	2.18%	2.11%
Sub-Total: Retail Transmission			5.70			5.64	-0.06	-1.05%	4.84%	4.68%
Sub-Total: Delivery (based on two-tier RPP prices)			63.21			66.64	3.43	5.43%	57.17%	55.37%
Sub-Total: Delivery (based on TOU prices)			63.46			66.89	3.43	5.40%	57.39%	55.58%
Wholesale Market Service Rate	430	0.0036	1.55	430	0.0036	1.55	0.00	0.00%	1.33%	1.29%
Rural Rate Protection Charge	430	0.0021	0.90	430	0.0021	0.90	0.00	0.00%	0.78%	0.75%
Ontario Electricity Support Program Charge	430	0.0011	0.47	430	0.0011	0.47	0.00	0.00%	0.41%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.21%
Sub-Total: Regulatory			3.18			3.18	0.00	0.00%	2.73%	2.64%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			107.59			111.02	3.43	3.19%	95.24%	
HST		0.13	13.99		0.13	14.43	0.45	3.19%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			121.57			125.45	3.88	3.19%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.61		-0.08	-8.88	-0.27	3.19%	-7.62%	
Total Amount on Two-Tier RPP			112.97			116.57	3.60	3.19%	100.00%	
Total Electricity Charge on TOU (before HST)			111.20			114.63	3.43	3.08%		95.24%
HST		0.13	14.46		0.13	14.90	0.45	3.08%		12.38%
Total Electricity Charge on TOU (including HST)			125.65			129.53	3.88	3.08%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.90		-0.08	-9.17	-0.27	3.08%		-7.62%
Total Amount on TOU			116.76			120.36	3.60	3.08%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	807
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 6 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	35.64%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.47%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	46.10%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		24.01%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.53%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		13.76%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	48.18%	47.30%
Service Charge	1	47.11	47.11	1	52.36	52.36	5.25	11.14%	30.19%	29.65%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.0160	12.00	750	0.0116	8.70	-3.30	-27.50%	5.02%	4.93%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.09%	0.08%
Sub-Total: Distribution (excluding pass through)			59.26			61.21	1.95	3.29%	35.30%	34.66%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.46%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.12	6.90	57	0.12	6.90	0.00	0.00%	3.98%	3.91%
Line Losses on Cost of Power (based on TOU prices)	57	0.11	6.35	57	0.11	6.35	0.00	0.00%	3.66%	3.60%
Sub-Total: Distribution (based on two-tier RPP prices)			66.95			68.90	1.95	2.91%	39.73%	39.01%
Sub-Total: Distribution (based on TOU prices)			66.40			68.35	1.95	2.94%	39.41%	38.70%
Retail Transmission Rate – Network Service Rate	807	0.0072	5.82	807	0.0072	5.81	-0.01	-0.10%	3.35%	3.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.0060	4.87	807	0.0059	4.76	-0.11	-2.19%	2.75%	2.70%
Sub-Total: Retail Transmission			10.68			10.57	-0.11	-1.05%	6.10%	5.99%
Sub-Total: Delivery (based on two-tier RPP prices)			77.63			79.47	1.84	2.37%	45.83%	45.00%
Sub-Total: Delivery (based on TOU prices)			77.08			78.92	1.84	2.38%	45.51%	44.69%
Wholesale Market Service Rate	807	0.0036	2.91	807	0.0036	2.91	0.00	0.00%	1.68%	1.64%
Rural Rate Protection Charge	807	0.0021	1.69	807	0.0021	1.69	0.00	0.00%	0.98%	0.96%
Ontario Electricity Support Program Charge	807	0.0011	0.89	807	0.0011	0.89	0.00	0.00%	0.51%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Sub-Total: Regulatory			5.74			5.74	0.00	0.00%	3.31%	3.25%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			163.32			165.16	1.84	1.13%	95.24%	
HST		0.13	21.23		0.13	21.47	0.24	1.13%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			184.55			186.63	2.08	1.13%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.07		-0.08	-13.21	-0.15	1.13%	-7.62%	
Total Amount on Two-Tier RPP			171.48			173.41	1.93	1.13%	100.00%	
Total Electricity Charge on TOU (before HST)			166.36			168.20	1.84	1.10%		95.24%
HST		0.13	21.63		0.13	21.87	0.24	1.10%		12.38%
Total Electricity Charge on TOU (including HST)			187.99			190.07	2.08	1.10%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.31		-0.08	-13.46	-0.15	1.10%		-7.62%
Total Amount on TOU			174.68			176.61	1.93	1.10%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1937
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 7 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	17.48%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	41.07%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	58.55%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		29.47%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		11.70%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		16.89%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	56.71%	58.05%
Service Charge	1	47.11	47.11	1	52.36	52.36	5.25	11.14%	14.81%	15.16%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0160	28.80	1,800	0.0116	20.88	-7.92	-27.50%	5.91%	6.05%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,800	0.0002	0.36	1,800	0.0002	0.36	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			76.27			73.60	-2.67	-3.50%	20.82%	21.31%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.12	16.55	137	0.12	16.55	0.00	0.00%	4.68%	4.79%
Line Losses on Cost of Power (based on TOU prices)	137	0.11	15.24	137	0.11	15.24	0.00	0.00%	4.31%	4.41%
Sub-Total: Distribution (based on two-tier RPP prices)			93.61			90.94	-2.67	-2.85%	25.72%	26.33%
Sub-Total: Distribution (based on TOU prices)			92.30			89.63	-2.67	-2.89%	25.35%	25.95%
Retail Transmission Rate – Network Service Rate	1,937	0.0072	13.96	1,937	0.0072	13.94	-0.01	-0.10%	3.94%	4.04%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.0060	11.68	1,937	0.0059	11.43	-0.26	-2.19%	3.23%	3.31%
Sub-Total: Retail Transmission			25.64			25.37	-0.27	-1.05%	7.18%	7.35%
Sub-Total: Delivery (based on two-tier RPP prices)			119.25			116.31	-2.94	-2.46%	32.90%	33.68%
Sub-Total: Delivery (based on TOU prices)			117.94			115.00	-2.94	-2.49%	32.53%	33.30%
Wholesale Market Service Rate	1,937	0.0036	6.97	1,937	0.0036	6.97	0.00	0.00%	1.97%	2.02%
Rural Rate Protection Charge	1,937	0.0021	4.07	1,937	0.0021	4.07	0.00	0.00%	1.15%	1.18%
Ontario Electricity Support Program Charge	1,937	0.0011	2.13	1,937	0.0011	2.13	0.00	0.00%	0.60%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			13.42			13.42	0.00	0.00%	3.80%	3.89%
Debt Retirement Charge (DRC)	1,800	0.000	0.00	1,800	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			339.67			336.74	-2.94	-0.87%	95.24%	
HST		0.13	44.16		0.13	43.78	-0.38	-0.87%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			383.83			380.51	-3.32	-0.87%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-27.17		-0.08	-26.94	0.24	-0.87%	-7.62%	
Total Amount on Two-Tier RPP			356.66			353.57	-3.09	-0.87%	100.00%	
Total Electricity Charge on TOU (before HST)			331.86			328.92	-2.94	-0.89%		95.24%
HST		0.13	43.14		0.13	42.76	-0.38	-0.89%		12.38%
Total Electricity Charge on TOU (including HST)			375.00			371.68	-3.32	-0.89%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.55		-0.08	-26.31	0.24	-0.89%		-7.62%
Total Amount on TOU			348.45			345.37	-3.09	-0.89%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	920
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	990
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 8 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	30.51%	
Energy Second Tier (kWh)	320	0.121	38.72	320	0.121	38.72	0.00	0.00%	19.11%	
Sub-Total: Energy (RPP)			100.52			100.52	0.00	0.00%	49.62%	
TOU-Off Peak	598	0.087	52.03	598	0.087	52.03	0.00	0.00%		25.51%
TOU-Mid Peak	156	0.132	20.64	156	0.132	20.64	0.00	0.00%		10.12%
TOU-On Peak	166	0.180	29.81	166	0.180	29.81	0.00	0.00%		14.62%
Sub-Total: Energy (TOU)			102.48			102.48	0.00	0.00%	50.59%	50.25%
Service Charge	1	47.11	47.11	1	52.36	52.36	5.25	11.14%	25.85%	25.68%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	920	0.0160	14.72	920	0.0116	10.67	-4.05	-27.50%	5.27%	5.23%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	920	0.0002	0.18	920	0.0002	0.18	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			62.01			63.22	1.20	1.94%	31.21%	31.00%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.39%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	70	0.12	8.46	70	0.12	8.46	0.00	0.00%	4.18%	4.15%
Line Losses on Cost of Power (based on TOU prices)	70	0.11	7.79	70	0.11	7.79	0.00	0.00%	3.84%	3.82%
Sub-Total: Distribution (based on two-tier RPP prices)			71.26			72.47	1.20	1.69%	35.77%	35.53%
Sub-Total: Distribution (based on TOU prices)			70.59			71.79	1.20	1.70%	35.44%	35.20%
Retail Transmission Rate – Network Service Rate	990	0.0072	7.13	990	0.0072	7.13	-0.01	-0.10%	3.52%	3.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	990	0.0060	5.97	990	0.0059	5.84	-0.13	-2.19%	2.88%	2.86%
Sub-Total: Retail Transmission			13.11			12.97	-0.14	-1.05%	6.40%	6.36%
Sub-Total: Delivery (based on two-tier RPP prices)			84.37			85.43	1.06	1.26%	42.17%	41.89%
Sub-Total: Delivery (based on TOU prices)			83.70			84.76	1.06	1.27%	41.84%	41.56%
Wholesale Market Service Rate	990	0.0036	3.56	990	0.0036	3.56	0.00	0.00%	1.76%	1.75%
Rural Rate Protection Charge	990	0.0021	2.08	990	0.0021	2.08	0.00	0.00%	1.03%	1.02%
Ontario Electricity Support Program Charge	990	0.0011	1.09	990	0.0011	1.09	0.00	0.00%	0.54%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			6.98			6.98	0.00	0.00%	3.45%	3.42%
Debt Retirement Charge (DRC)	920	0.000	0.00	920	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			191.87			192.94	1.06	0.55%	95.24%	
HST		0.13	24.94		0.13	25.08	0.14	0.55%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			216.81			218.02	1.20	0.55%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.35		-0.08	-15.43	-0.09	0.55%	-7.62%	
Total Amount on Two-Tier RPP			201.46			202.58	1.12	0.55%	100.00%	
Total Electricity Charge on TOU (before HST)			193.16			194.22	1.06	0.55%		95.24%
HST		0.13	25.11		0.13	25.25	0.14	0.55%		12.38%
Total Electricity Charge on TOU (including HST)			218.27			219.47	1.20	0.55%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.45		-0.08	-15.54	-0.09	0.55%		-7.62%
Total Amount on TOU			202.82			203.93	1.12	0.55%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	497
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 9 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	450	0.103	46.35	450	0.103	46.35	0.00	0.00%	34.99%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			46.35			46.35	0.00	0.00%	34.99%	
TOU-Off Peak	293	0.087	25.45	293	0.087	25.45	0.00	0.00%		18.60%
TOU-Mid Peak	77	0.132	10.10	77	0.132	10.10	0.00	0.00%		7.38%
TOU-On Peak	81	0.180	14.58	81	0.180	14.58	0.00	0.00%		10.66%
Sub-Total: Energy (TOU)			50.13			50.13	0.00	0.00%	37.84%	36.63%
Service Charge	1	44.24	44.24	1	55.32	55.32	11.08	25.05%	41.77%	40.43%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.02%	-0.01%
Distribution Volumetric Rate	450	0.0268	12.06	450	0.02	9.00	-3.06	-25.37%	6.79%	6.58%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	450	0.0002	0.09	450	0.0002	0.09	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			56.37			64.39	8.02	14.23%	48.61%	47.06%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.60%	0.58%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.10	4.87	47	0.10	4.87	0.00	0.00%	3.67%	3.56%
Line Losses on Cost of Power (based on TOU prices)	47	0.11	5.26	47	0.11	5.26	0.00	0.00%	3.97%	3.85%
Sub-Total: Distribution (based on two-tier RPP prices)			62.03			70.05	8.02	12.93%	52.88%	51.19%
Sub-Total: Distribution (based on TOU prices)			62.42			70.44	8.02	12.85%	53.18%	51.48%
Retail Transmission Rate – Network Service Rate	497	0.0067	3.35	497	0.0068	3.38	0.03	0.89%	2.55%	2.47%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0056	2.80	497	0.0055	2.73	-0.06	-2.31%	2.06%	2.00%
Sub-Total: Retail Transmission			6.15			6.12	-0.03	-0.57%	4.62%	4.47%
Sub-Total: Delivery (based on two-tier RPP prices)			68.18			76.16	7.99	11.71%	57.50%	55.66%
Sub-Total: Delivery (based on TOU prices)			68.57			76.56	7.99	11.64%	57.80%	55.95%
Wholesale Market Service Rate	497	0.0036	1.79	497	0.0036	1.79	0.00	0.00%	1.35%	1.31%
Rural Rate Protection Charge	497	0.0021	1.04	497	0.0021	1.04	0.00	0.00%	0.79%	0.76%
Ontario Electricity Support Program Charge	497	0.0011	0.55	497	0.0011	0.55	0.00	0.00%	0.41%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.18%
Sub-Total: Regulatory			3.63			3.63	0.00	0.00%	2.74%	2.65%
Debt Retirement Charge (DRC)	450	0.000	0.00	450	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			118.16			126.14	7.99	6.76%	95.24%	
HST		0.13	15.36		0.13	16.40	1.04	6.76%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			133.52			142.54	9.02	6.76%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.45		-0.08	-10.09	-0.64	6.76%	-7.62%	
Total Amount on Two-Tier RPP			124.07			132.45	8.38	6.76%	100.00%	
Total Electricity Charge on TOU (before HST)			122.33			130.32	7.99	6.53%		95.24%
HST		0.13	15.90		0.13	16.94	1.04	6.53%		12.38%
Total Electricity Charge on TOU (including HST)			138.23			147.26	9.02	6.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.79		-0.08	-10.43	-0.64	6.53%		-7.62%
Total Amount on TOU			128.45			136.83	8.38	6.53%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	829
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 10 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	33.29%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	9.78%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	43.07%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		22.49%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		8.92%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		12.88%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	45.00%	44.29%
Service Charge	1	44.24	44.24	1	55.32	55.32	11.08	25.05%	29.80%	29.33%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	750	0.0268	20.10	750	0.02	15.00	-5.10	-25.37%	8.08%	7.95%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			64.47			70.45	5.98	9.28%	37.95%	37.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.43%	0.42%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.12	9.53	79	0.12	9.53	0.00	0.00%	5.13%	5.05%
Line Losses on Cost of Power (based on TOU prices)	79	0.11	8.77	79	0.11	8.77	0.00	0.00%	4.73%	4.65%
Sub-Total: Distribution (based on two-tier RPP prices)			74.79			80.77	5.98	8.00%	43.51%	42.82%
Sub-Total: Distribution (based on TOU prices)			74.03			80.01	5.98	8.08%	43.10%	42.42%
Retail Transmission Rate – Network Service Rate	829	0.0067	5.59	829	0.0068	5.64	0.05	0.89%	3.04%	2.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0056	4.67	829	0.0055	4.56	-0.11	-2.31%	2.46%	2.42%
Sub-Total: Retail Transmission			10.25			10.19	-0.06	-0.57%	5.49%	5.40%
Sub-Total: Delivery (based on two-tier RPP prices)			85.04			90.96	5.92	6.96%	49.00%	48.23%
Sub-Total: Delivery (based on TOU prices)			84.28			90.21	5.92	7.03%	48.59%	47.83%
Wholesale Market Service Rate	829	0.0036	2.98	829	0.0036	2.98	0.00	0.00%	1.61%	1.58%
Rural Rate Protection Charge	829	0.0021	1.74	829	0.0021	1.74	0.00	0.00%	0.94%	0.92%
Ontario Electricity Support Program Charge	829	0.0011	0.91	829	0.0011	0.91	0.00	0.00%	0.49%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			5.89			5.89	0.00	0.00%	3.17%	3.12%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			170.88			176.80	5.92	3.47%	95.24%	
HST		0.13	22.21		0.13	22.98	0.77	3.47%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			193.09			199.78	6.69	3.47%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.67		-0.08	-14.14	-0.47	3.47%	-7.62%	
Total Amount on Two-Tier RPP			179.42			185.64	6.22	3.47%	100.00%	
Total Electricity Charge on TOU (before HST)			173.71			179.63	5.92	3.41%		95.24%
HST		0.13	22.58		0.13	23.35	0.77	3.41%		12.38%
Total Electricity Charge on TOU (including HST)			196.29			202.99	6.69	3.41%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.90		-0.08	-14.37	-0.47	3.41%		-7.62%
Total Amount on TOU			182.40			188.61	6.22	3.41%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	1,152
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1273
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 11 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	23.81%	
Energy Second Tier (kWh)	552	0.121	66.79	552	0.121	66.79	0.00	0.00%	25.74%	
Sub-Total: Energy (RPP)			128.59			128.59	0.00	0.00%	49.55%	
TOU-Off Peak	749	0.087	65.15	749	0.087	65.15	0.00	0.00%		25.25%
TOU-Mid Peak	196	0.132	25.85	196	0.132	25.85	0.00	0.00%		10.02%
TOU-On Peak	207	0.180	37.32	207	0.180	37.32	0.00	0.00%		14.47%
Sub-Total: Energy (TOU)			128.32			128.32	0.00	0.00%	49.45%	49.74%
Service Charge	1	44.24	44.24	1	55.32	55.32	11.08	25.05%	21.32%	21.44%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	1,152	0.0268	30.87	1,152	0.02	23.04	-7.83	-25.37%	8.88%	8.93%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,152	0.0002	0.23	1,152	0.0002	0.23	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			75.32			78.57	3.25	4.31%	30.28%	30.45%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.30%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	121	0.12	14.64	121	0.12	14.64	0.00	0.00%	5.64%	5.67%
Line Losses on Cost of Power (based on TOU prices)	121	0.11	13.47	121	0.11	13.47	0.00	0.00%	5.19%	5.22%
Sub-Total: Distribution (based on two-tier RPP prices)			90.75			94.00	3.25	3.58%	36.22%	36.43%
Sub-Total: Distribution (based on TOU prices)			89.59			92.83	3.25	3.62%	35.77%	35.98%
Retail Transmission Rate – Network Service Rate	1,273	0.0067	8.58	1,273	0.0068	8.66	0.08	0.89%	3.34%	3.36%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,273	0.0056	7.17	1,273	0.0055	7.00	-0.17	-2.31%	2.70%	2.71%
Sub-Total: Retail Transmission			15.75			15.66	-0.09	-0.57%	6.03%	6.07%
Sub-Total: Delivery (based on two-tier RPP prices)			106.50			109.65	3.16	2.96%	42.25%	42.50%
Sub-Total: Delivery (based on TOU prices)			105.33			108.49	3.16	3.00%	41.81%	42.05%
Wholesale Market Service Rate	1,273	0.0036	4.58	1,273	0.0036	4.58	0.00	0.00%	1.77%	1.78%
Rural Rate Protection Charge	1,273	0.0021	2.67	1,273	0.0021	2.67	0.00	0.00%	1.03%	1.04%
Ontario Electricity Support Program Charge	1,273	0.0011	1.40	1,273	0.0011	1.40	0.00	0.00%	0.54%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			8.91			8.91	0.00	0.00%	3.43%	3.45%
Debt Retirement Charge (DRC)	1,152	0.000	0.00	1,152	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			243.99			247.15	3.16	1.29%	95.24%	
HST		0.13	31.72		0.13	32.13	0.41	1.29%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			275.71			279.28	3.57	1.29%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.52		-0.08	-19.77	-0.25	1.29%	-7.62%	
Total Amount on Two-Tier RPP			256.19			259.51	3.32	1.29%	100.00%	
Total Electricity Charge on TOU (before HST)			242.56			245.72	3.16	1.30%		95.24%
HST		0.13	31.53		0.13	31.94	0.41	1.30%	12.38%	
Total Electricity Charge on TOU (including HST)			274.09			277.66	3.57	1.30%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.40		-0.08	-19.66	-0.25	1.30%	-7.62%	
Total Amount on TOU			254.69			258.00	3.32	1.30%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2542
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 12 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	13.14%	
Energy Second Tier (kWh)	1,700	0.121	205.70	1,700	0.121	205.70	0.00	0.00%	43.72%	
Sub-Total: Energy (RPP)			267.50			267.50	0.00	0.00%	56.86%	
TOU-Off Peak	1,495	0.087	130.07	1,495	0.087	130.07	0.00	0.00%		28.51%
TOU-Mid Peak	391	0.132	51.61	391	0.132	51.61	0.00	0.00%		11.31%
TOU-On Peak	414	0.180	74.52	414	0.180	74.52	0.00	0.00%		16.34%
Sub-Total: Energy (TOU)			256.20			256.20	0.00	0.00%	54.46%	56.16%
Service Charge	1	44.24	44.24	1	55.32	55.32	11.08	25.05%	11.76%	12.13%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.0268	61.64	2,300	0.02	46.00	-15.64	-25.37%	9.78%	10.08%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,300	0.0002	0.46	2,300	0.0002	0.46	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			106.32			101.76	-4.56	-4.29%	21.63%	22.31%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.12	29.22	242	0.12	29.22	0.00	0.00%	6.21%	6.41%
Line Losses on Cost of Power (based on TOU prices)	242	0.11	26.90	242	0.11	26.90	0.00	0.00%	5.72%	5.90%
Sub-Total: Distribution (based on two-tier RPP prices)			136.33			131.77	-4.56	-3.34%	28.01%	28.89%
Sub-Total: Distribution (based on TOU prices)			134.01			129.45	-4.56	-3.40%	27.52%	28.38%
Retail Transmission Rate – Network Service Rate	2,542	0.0067	17.13	2,542	0.0068	17.28	0.15	0.89%	3.67%	3.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0056	14.31	2,542	0.0055	13.98	-0.33	-2.31%	2.97%	3.06%
Sub-Total: Retail Transmission			31.44			31.26	-0.18	-0.57%	6.64%	6.85%
Sub-Total: Delivery (based on two-tier RPP prices)			167.77			163.03	-4.74	-2.82%	34.65%	35.74%
Sub-Total: Delivery (based on TOU prices)			165.45			160.71	-4.74	-2.86%	34.16%	35.23%
Wholesale Market Service Rate	2,542	0.0036	9.15	2,542	0.0036	9.15	0.00	0.00%	1.94%	2.01%
Rural Rate Protection Charge	2,542	0.0021	5.34	2,542	0.0021	5.34	0.00	0.00%	1.13%	1.17%
Ontario Electricity Support Program Charge	2,542	0.0011	2.80	2,542	0.0011	2.80	0.00	0.00%	0.59%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			17.53			17.53	0.00	0.00%	3.73%	3.84%
Debt Retirement Charge (DRC)	2,300	0.000	0.00	2,300	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			452.80			448.06	-4.74	-1.05%	95.24%	
HST		0.13	58.86		0.13	58.25	-0.62	-1.05%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			511.67			506.31	-5.35	-1.05%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.22		-0.08	-35.85	0.38	-1.05%	-7.62%	
Total Amount on Two-Tier RPP			475.44			470.47	-4.97	-1.05%	100.00%	
Total Electricity Charge on TOU (before HST)			439.18			434.44	-4.74	-1.08%		95.24%
HST		0.13	57.09		0.13	56.48	-0.62	-1.08%		12.38%
Total Electricity Charge on TOU (including HST)			496.27			490.92	-5.35	-1.08%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.13		-0.08	-34.76	0.38	-1.08%		-7.62%
Total Amount on TOU			461.14			456.16	-4.97	-1.08%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	55
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 13 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	7.58%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	7.58%	
TOU-Off Peak	33	0.087	2.83	33	0.087	2.83	0.00	0.00%		4.13%
TOU-Mid Peak	9	0.132	1.12	9	0.132	1.12	0.00	0.00%		1.64%
TOU-On Peak	9	0.180	1.62	9	0.180	1.62	0.00	0.00%		2.37%
Sub-Total: Energy (TOU)			5.57			5.57	0.00	0.00%	8.20%	8.14%
Service Charge	1	50.12	50.12	1	55.4	55.40	5.28	10.53%	81.59%	81.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	50	0.0439	2.20	50	0.0315	1.58	-0.62	-28.25%	2.32%	2.30%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	50	0.0002	0.01	50	0.0002	0.01	0.00	0.00%	0.01%	0.01%
Sub-Total: Distribution (excluding pass through)			52.33			56.99	4.66	8.91%	83.93%	83.33%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.16%	1.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.10	0.54	5	0.10	0.54	0.00	0.00%	0.79%	0.78%
Line Losses on Cost of Power (based on TOU prices)	5	0.11	0.58	5	0.11	0.58	0.00	0.00%	0.85%	0.85%
Sub-Total: Distribution (based on two-tier RPP prices)			53.65			58.31	4.66	8.69%	85.88%	85.27%
Sub-Total: Distribution (based on TOU prices)			53.69			58.35	4.66	8.68%	85.94%	85.33%
Retail Transmission Rate – Network Service Rate	55	0.0057	0.31	55	0.0058	0.32	0.01	2.55%	0.47%	0.47%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0048	0.27	55	0.0047	0.26	-0.01	-2.51%	0.38%	0.38%
Sub-Total: Retail Transmission			0.58			0.58	0.00	0.22%	0.85%	0.85%
Sub-Total: Delivery (based on two-tier RPP prices)			54.23			58.89	4.66	8.60%	86.73%	86.12%
Sub-Total: Delivery (based on TOU prices)			54.27			58.93	4.66	8.59%	86.80%	86.18%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	0.29%	0.29%
Rural Rate Protection Charge	55	0.0021	0.12	55	0.0021	0.12	0.00	0.00%	0.17%	0.17%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.09%	0.09%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.37%	0.37%
Sub-Total: Regulatory			0.63			0.63	0.00	0.00%	0.92%	0.91%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			60.00			64.67	4.66	7.77%	95.24%	
HST		0.13	7.80		0.13	8.41	0.61	7.77%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			67.80			73.07	5.27	7.77%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.80		-0.08	-5.17	-0.37	7.77%	-7.62%	
Total Amount on Two-Tier RPP			63.00			67.90	4.89	7.77%	100.00%	
Total Electricity Charge on TOU (before HST)			60.47			65.13	4.66	7.71%		95.24%
HST		0.13	7.86		0.13	8.47	0.61	7.71%		12.38%
Total Electricity Charge on TOU (including HST)			68.33			73.60	5.27	7.71%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.84		-0.08	-5.21	-0.37	7.71%		-7.62%
Total Amount on TOU			63.49			68.39	4.89	7.71%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	386
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 14 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	30.11%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	30.11%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		16.08%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		6.38%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		9.21%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	32.56%	31.66%
Service Charge	1	50.12	50.12	1	55.4	55.40	5.28	10.53%	46.27%	45.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0.0439	15.37	350	0.0315	11.03	-4.34	-28.25%	9.21%	8.95%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			65.56			66.50	0.94	1.43%	55.54%	54.01%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.66%	0.64%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.10	3.75	36	0.10	3.75	0.00	0.00%	3.13%	3.05%
Line Losses on Cost of Power (based on TOU prices)	36	0.11	4.05	36	0.11	4.05	0.00	0.00%	3.39%	3.29%
Sub-Total: Distribution (based on two-tier RPP prices)			70.09			71.03	0.94	1.34%	59.33%	57.69%
Sub-Total: Distribution (based on TOU prices)			70.40			71.34	0.94	1.34%	59.59%	57.94%
Retail Transmission Rate – Network Service Rate	386	0.0057	2.19	386	0.0058	2.24	0.06	2.55%	1.87%	1.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	386	0.0048	1.86	386	0.0047	1.82	-0.05	-2.51%	1.52%	1.48%
Sub-Total: Retail Transmission			4.05			4.06	0.01	0.22%	3.39%	3.30%
Sub-Total: Delivery (based on two-tier RPP prices)			74.14			75.09	0.95	1.28%	62.72%	60.99%
Sub-Total: Delivery (based on TOU prices)			74.45			75.40	0.95	1.27%	62.98%	61.24%
Wholesale Market Service Rate	386	0.0036	1.39	386	0.0036	1.39	0.00	0.00%	1.16%	1.13%
Rural Rate Protection Charge	386	0.0021	0.81	386	0.0021	0.81	0.00	0.00%	0.68%	0.66%
Ontario Electricity Support Program Charge	386	0.0011	0.43	386	0.0011	0.43	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.88			2.88	0.00	0.00%	2.40%	2.34%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			113.07			114.02	0.95	0.84%	95.24%	
HST		0.13	14.70		0.13	14.82	0.12	0.84%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			127.77			128.84	1.07	0.84%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.05		-0.08	-9.12	-0.08	0.84%	-7.62%	
Total Amount on Two-Tier RPP			118.72			119.72	1.00	0.84%	100.00%	
Total Electricity Charge on TOU (before HST)			116.31			117.26	0.95	0.82%		95.24%
HST		0.13	15.12		0.13	15.24	0.12	0.82%		12.38%
Total Electricity Charge on TOU (including HST)			131.43			132.50	1.07	0.82%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.30		-0.08	-9.38	-0.08	0.82%		-7.62%
Total Amount on TOU			122.13			123.12	1.00	0.82%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	352
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	389
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 15 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	352	0.103	36.26	352	0.103	36.26	0.00	0.00%	30.20%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.26			36.26	0.00	0.00%	30.20%	
TOU-Off Peak	229	0.087	19.91	229	0.087	19.91	0.00	0.00%		16.12%
TOU-Mid Peak	60	0.132	7.90	60	0.132	7.90	0.00	0.00%		6.40%
TOU-On Peak	63	0.180	11.40	63	0.180	11.40	0.00	0.00%		9.24%
Sub-Total: Energy (TOU)			39.21			39.21	0.00	0.00%	32.66%	31.75%
Service Charge	1	50.12	50.12	1	55.4	55.40	5.28	10.53%	46.14%	44.86%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	352	0.0439	15.45	352	0.0315	11.09	-4.36	-28.25%	9.23%	8.98%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	352	0.0002	0.07	352	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			65.64			66.56	0.92	1.39%	55.44%	53.90%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.66%	0.64%
Line Losses on Cost of Power (based on two-tier RPP prices)	37	0.10	3.77	37	0.10	3.77	0.00	0.00%	3.14%	3.05%
Line Losses on Cost of Power (based on TOU prices)	37	0.11	4.08	37	0.11	4.08	0.00	0.00%	3.40%	3.30%
Sub-Total: Distribution (based on two-tier RPP prices)			70.20			71.12	0.92	1.30%	59.23%	57.59%
Sub-Total: Distribution (based on TOU prices)			70.51			71.43	0.92	1.30%	59.49%	57.84%
Retail Transmission Rate – Network Service Rate	389	0.0057	2.20	389	0.0058	2.25	0.06	2.55%	1.88%	1.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	389	0.0048	1.87	389	0.0047	1.83	-0.05	-2.51%	1.52%	1.48%
Sub-Total: Retail Transmission			4.07			4.08	0.01	0.22%	3.40%	3.30%
Sub-Total: Delivery (based on two-tier RPP prices)			74.28			75.20	0.92	1.24%	62.63%	60.90%
Sub-Total: Delivery (based on TOU prices)			74.58			75.51	0.92	1.24%	62.89%	61.14%
Wholesale Market Service Rate	389	0.0036	1.40	389	0.0036	1.40	0.00	0.00%	1.17%	1.13%
Rural Rate Protection Charge	389	0.0021	0.82	389	0.0021	0.82	0.00	0.00%	0.68%	0.66%
Ontario Electricity Support Program Charge	389	0.0011	0.43	389	0.0011	0.43	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.89			2.89	0.00	0.00%	2.41%	2.34%
Debt Retirement Charge (DRC)	352	0.000	0.00	352	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			113.42			114.35	0.92	0.81%	95.24%	
HST		0.13	14.75		0.13	14.87	0.12	0.81%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			128.17			129.21	1.04	0.81%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.07		-0.08	-9.15	-0.07	0.81%	-7.62%	
Total Amount on Two-Tier RPP			119.09			120.07	0.97	0.81%	100.00%	
Total Electricity Charge on TOU (before HST)			116.68			117.61	0.92	0.79%		95.24%
HST		0.13	15.17		0.13	15.29	0.12	0.79%		12.38%
Total Electricity Charge on TOU (including HST)			131.85			132.90	1.04	0.79%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.33		-0.08	-9.41	-0.07	0.79%		-7.62%
Total Amount on TOU			122.52			123.49	0.97	0.79%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1104
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 16 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	25.59%	
Energy Second Tier (kWh)	400	0.121	48.40	400	0.121	48.40	0.00	0.00%	20.04%	
Sub-Total: Energy (RPP)			110.20			110.20	0.00	0.00%	45.63%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		23.39%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		9.28%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		13.40%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	46.12%	46.08%
Service Charge	1	50.12	50.12	1	55.4	55.40	5.28	10.53%	22.94%	22.92%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0439	43.90	1,000	0.0315	31.50	-12.40	-28.25%	13.04%	13.03%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			94.22			87.10	-7.12	-7.56%	36.06%	36.03%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.33%	0.33%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.12	12.58	104	0.12	12.58	0.00	0.00%	5.21%	5.21%
Line Losses on Cost of Power (based on TOU prices)	104	0.11	11.58	104	0.11	11.58	0.00	0.00%	4.80%	4.79%
Sub-Total: Distribution (based on two-tier RPP prices)			107.59			100.47	-7.12	-6.62%	41.60%	41.57%
Sub-Total: Distribution (based on TOU prices)			106.59			99.47	-7.12	-6.68%	41.19%	41.15%
Retail Transmission Rate – Network Service Rate	1,104	0.0057	6.24	1,104	0.0058	6.40	0.16	2.55%	2.65%	2.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0048	5.32	1,104	0.0047	5.19	-0.13	-2.51%	2.15%	2.15%
Sub-Total: Retail Transmission			11.57			11.59	0.03	0.22%	4.80%	4.80%
Sub-Total: Delivery (based on two-tier RPP prices)			119.16			112.07	-7.09	-5.95%	46.40%	46.36%
Sub-Total: Delivery (based on TOU prices)			118.16			111.07	-7.09	-6.00%	45.99%	45.95%
Wholesale Market Service Rate	1,104	0.0036	3.97	1,104	0.0036	3.97	0.00	0.00%	1.65%	1.64%
Rural Rate Protection Charge	1,104	0.0021	2.32	1,104	0.0021	2.32	0.00	0.00%	0.96%	0.96%
Ontario Electricity Support Program Charge	1,104	0.0011	1.21	1,104	0.0011	1.21	0.00	0.00%	0.50%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.76			7.76	0.00	0.00%	3.21%	3.21%
Debt Retirement Charge (DRC)	1,000	0.000	0.00	1,000	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			237.12			230.02	-7.09	-2.99%	95.24%	
HST		0.13	30.83		0.13	29.90	-0.92	-2.99%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			267.94			259.93	-8.02	-2.99%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.97		-0.08	-18.40	0.57	-2.99%	-7.62%	
Total Amount on Two-Tier RPP			248.97			241.52	-7.45	-2.99%	100.00%	
Total Electricity Charge on TOU (before HST)			237.31			230.21	-7.09	-2.99%		95.24%
HST		0.13	30.85		0.13	29.93	-0.92	-2.99%		12.38%
Total Electricity Charge on TOU (including HST)			268.16			260.14	-8.02	-2.99%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.98		-0.08	-18.42	0.57	-2.99%		-7.62%
Total Amount on TOU			249.17			241.72	-7.45	-2.99%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 17 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	37.02%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.50%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	51.52%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		26.67%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.58%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.28%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	53.39%	52.53%
Service Charge	1	25.11	25.11	1	25.6	25.60	0.49	1.95%	12.27%	12.07%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0300	30.00	1,000	0.0308	30.80	0.80	2.67%	14.76%	14.52%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0002	0.2000	1,000	0.0002	0.2000	0.00	0.00%	0.10%	0.09%
Sub-Total: Distribution (excluding pass through)			55.32			56.61	1.29	2.33%	27.13%	26.70%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.12	8.11	67	0.12	8.11	0.00	0.00%	3.89%	3.82%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.46	67	0.11	7.46	0.00	0.00%	3.58%	3.52%
Sub-Total: Distribution (based on two-tier RPP prices)			64.22			65.51	1.29	2.01%	31.40%	30.89%
Sub-Total: Distribution (based on TOU prices)			63.57			64.86	1.29	2.03%	31.09%	30.59%
Retail Transmission Rate – Network Service Rate	1,067	0.0061	6.52	1,067	0.0058	6.19	-0.33	-5.01%	2.97%	2.92%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0047	4.96	1,067	0.0047	5.01	0.05	1.03%	2.40%	2.36%
Sub-Total: Retail Transmission			11.48			11.20	-0.28	-2.40%	5.37%	5.28%
Sub-Total: Delivery (based on two-tier RPP prices)			75.70			76.71	1.01	1.34%	36.76%	36.17%
Sub-Total: Delivery (based on TOU prices)			75.05			76.07	1.01	1.35%	36.46%	35.87%
Wholesale Market Service Rate	1,067	0.0036	3.84	1,067	0.0036	3.84	0.00	0.00%	1.84%	1.81%
Rural Rate Protection Charge	1,067	0.0021	2.24	1,067	0.0021	2.24	0.00	0.00%	1.07%	1.06%
Ontario Electricity Support Program Charge	1,067	0.0011	1.17	1,067	0.0011	1.17	0.00	0.00%	0.56%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.51			7.51	0.00	0.00%	3.60%	3.54%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.35%	3.30%
Total Electricity Charge on Two-Tier RPP			197.70			198.72	1.01	0.51%	95.24%	
HST		0.13	25.70		0.13	25.83	0.13	0.51%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			223.40			224.55	1.15	0.51%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.82		-0.08	-15.90	-0.08	0.51%	-7.62%	
Total Amount on Two-Tier RPP			207.59			208.65	1.07	0.51%	100.00%	
Total Electricity Charge on TOU (before HST)			200.95			201.96	1.01	0.50%		95.24%
HST		0.13	26.12		0.13	26.26	0.13	0.50%		12.38%
Total Electricity Charge on TOU (including HST)			227.07			228.22	1.15	0.50%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.08		-0.08	-16.16	-0.08	0.50%		-7.62%
Total Amount on TOU			210.99			212.06	1.07	0.50%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 18 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.15%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	37.48%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	56.63%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		28.55%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.33%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.36%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	55.21%	56.24%
Service Charge	1	25.11	25.11	1	25.6	25.60	0.49	1.95%	6.34%	6.46%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0300	60.00	2,000	0.0308	61.60	1.60	2.67%	15.27%	15.55%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,000	0.0002	0.4000	2,000	0.0002	0.4000	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			85.52			87.61	2.09	2.44%	21.71%	22.12%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.12	16.21	134	0.12	16.21	0.00	0.00%	4.02%	4.09%
Line Losses on Cost of Power (based on TOU prices)	134	0.11	14.93	134	0.11	14.93	0.00	0.00%	3.70%	3.77%
Sub-Total: Distribution (based on two-tier RPP prices)			102.52			104.61	2.09	2.04%	25.93%	26.41%
Sub-Total: Distribution (based on TOU prices)			101.24			103.33	2.09	2.06%	25.61%	26.08%
Retail Transmission Rate – Network Service Rate	2,134	0.0061	13.03	2,134	0.0058	12.38	-0.65	-5.01%	3.07%	3.12%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0047	9.93	2,134	0.0047	10.03	0.10	1.03%	2.49%	2.53%
Sub-Total: Retail Transmission			22.96			22.41	-0.55	-2.40%	5.55%	5.66%
Sub-Total: Delivery (based on two-tier RPP prices)			125.48			127.02	1.54	1.23%	31.48%	32.06%
Sub-Total: Delivery (based on TOU prices)			124.19			125.73	1.54	1.24%	31.16%	31.74%
Wholesale Market Service Rate	2,134	0.0036	7.68	2,134	0.0036	7.68	0.00	0.00%	1.90%	1.94%
Rural Rate Protection Charge	2,134	0.0021	4.48	2,134	0.0021	4.48	0.00	0.00%	1.11%	1.13%
Ontario Electricity Support Program Charge	2,134	0.0011	2.35	2,134	0.0011	2.35	0.00	0.00%	0.58%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.76			14.76	0.00	0.00%	3.66%	3.73%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.47%	3.53%
Total Electricity Charge on Two-Tier RPP			382.74			384.28	1.54	0.40%	95.24%	
HST		0.13	49.76		0.13	49.96	0.20	0.40%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			432.50			434.24	1.74	0.40%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-30.62		-0.08	-30.74	-0.12	0.40%	-7.62%	
Total Amount on Two-Tier RPP			401.88			403.50	1.62	0.40%	100.00%	
Total Electricity Charge on TOU (before HST)			375.74			377.27	1.54	0.41%		95.24%
HST		0.13	48.85		0.13	49.05	0.20	0.41%		12.38%
Total Electricity Charge on TOU (including HST)			424.58			426.32	1.74	0.41%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-30.06		-0.08	-30.18	-0.12	0.41%		-7.62%
Total Amount on TOU			394.52			396.14	1.62	0.41%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	2,759
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2943.853
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 19 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.01%	
Energy Second Tier (kWh)	2,009	0.121	243.09	2,009	0.121	243.09	0.00	0.00%	44.09%	
Sub-Total: Energy (RPP)			320.34			320.34	0.00	0.00%	58.10%	
TOU-Off Peak	1,793	0.087	156.02	1,793	0.087	156.02	0.00	0.00%		29.12%
TOU-Mid Peak	469	0.132	61.91	469	0.132	61.91	0.00	0.00%		11.55%
TOU-On Peak	497	0.180	89.39	497	0.180	89.39	0.00	0.00%		16.68%
Sub-Total: Energy (TOU)			307.33			307.33	0.00	0.00%	55.74%	57.35%
Service Charge	1	25.11	25.11	1	25.6	25.60	0.49	1.95%	4.64%	4.78%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,759	0.0300	82.77	2,759	0.0308	84.98	2.21	2.67%	15.41%	15.86%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,759	0.0002	0.5518	2,759	0.0002	0.5518	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			108.44			111.14	2.70	2.49%	20.16%	20.74%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.14%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	185	0.12	22.37	185	0.12	22.37	0.00	0.00%	4.06%	4.17%
Line Losses on Cost of Power (based on TOU prices)	185	0.11	20.59	185	0.11	20.59	0.00	0.00%	3.73%	3.84%
Sub-Total: Distribution (based on two-tier RPP prices)			131.60			134.30	2.70	2.05%	24.36%	25.06%
Sub-Total: Distribution (based on TOU prices)			129.82			132.52	2.70	2.08%	24.03%	24.73%
Retail Transmission Rate – Network Service Rate	2,944	0.0061	17.98	2,944	0.0058	17.07	-0.90	-5.01%	3.10%	3.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,944	0.0047	13.69	2,944	0.0047	13.84	0.14	1.03%	2.51%	2.58%
Sub-Total: Retail Transmission			31.67			30.91	-0.76	-2.40%	5.61%	5.77%
Sub-Total: Delivery (based on two-tier RPP prices)			163.27			165.21	1.94	1.19%	29.96%	30.83%
Sub-Total: Delivery (based on TOU prices)			161.49			163.43	1.94	1.20%	29.64%	30.50%
Wholesale Market Service Rate	2,944	0.0036	10.60	2,944	0.0036	10.60	0.00	0.00%	1.92%	1.98%
Rural Rate Protection Charge	2,944	0.0021	6.18	2,944	0.0021	6.18	0.00	0.00%	1.12%	1.15%
Ontario Electricity Support Program Charge	2,944	0.0011	3.24	2,944	0.0011	3.24	0.00	0.00%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			20.27			20.27	0.00	0.00%	3.68%	3.78%
Debt Retirement Charge (DRC)	2,759	0.007	19.31	2,759	0.007	19.31	0.00	0.00%	3.50%	3.60%
Total Electricity Charge on Two-Tier RPP			523.19			525.13	1.94	0.37%	95.24%	
HST		0.13	68.01		0.13	68.27	0.25	0.37%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			591.20			593.39	2.19	0.37%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-41.86		-0.08	-42.01	-0.16	0.37%	-7.62%	
Total Amount on Two-Tier RPP			549.35			551.38	2.03	0.37%	100.00%	
Total Electricity Charge on TOU (before HST)			508.40			510.34	1.94	0.38%		95.24%
HST		0.13	66.09		0.13	66.34	0.25	0.38%		12.38%
Total Electricity Charge on TOU (including HST)			574.49			576.68	2.19	0.38%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.67		-0.08	-40.83	-0.16	0.38%		-7.62%
Total Amount on TOU			533.82			535.85	2.03	0.38%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 20 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.63%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	58.72%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	61.35%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		30.41%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.07%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		17.42%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	56.90%	59.91%
Service Charge	1	25.11	25.11	1	25.6	25.60	0.49	1.95%	0.87%	0.92%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0300	450.00	15,000	0.0308	462.00	12.00	2.67%	15.73%	16.56%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	15,000	0.0002	3.0000	15,000	0.0002	3.0000	0.00	0.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			478.12			490.61	12.49	2.61%	16.71%	17.59%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.12	121.61	1,005	0.12	121.61	0.00	0.00%	4.14%	4.36%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.11	111.95	1,005	0.11	111.95	0.00	0.00%	3.81%	4.01%
Sub-Total: Distribution (based on two-tier RPP prices)			600.52			613.01	12.49	2.08%	20.88%	21.98%
Sub-Total: Distribution (based on TOU prices)			590.86			603.35	12.49	2.11%	20.55%	21.63%
Retail Transmission Rate – Network Service Rate	16,005	0.0061	97.73	16,005	0.0058	92.83	-4.90	-5.01%	3.16%	3.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0047	74.46	16,005	0.0047	75.22	0.77	1.03%	2.56%	2.70%
Sub-Total: Retail Transmission			172.18			168.05	-4.13	-2.40%	5.72%	6.03%
Sub-Total: Delivery (based on two-tier RPP prices)			772.70			781.06	8.36	1.08%	26.60%	28.00%
Sub-Total: Delivery (based on TOU prices)			763.04			771.40	8.36	1.10%	26.27%	27.66%
Wholesale Market Service Rate	16,005	0.0036	57.62	16,005	0.0036	57.62	0.00	0.00%	1.96%	2.07%
Rural Rate Protection Charge	16,005	0.0021	33.61	16,005	0.0021	33.61	0.00	0.00%	1.14%	1.21%
Ontario Electricity Support Program Charge	16,005	0.0011	17.61	16,005	0.0011	17.61	0.00	0.00%	0.60%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			109.08			109.08	0.00	0.00%	3.71%	3.91%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.58%	3.76%
Total Electricity Charge on Two-Tier RPP			2,788.28			2,796.64	8.36	0.30%	95.24%	
HST		0.13	362.48		0.13	363.56	1.09	0.30%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,150.76			3,160.20	9.45	0.30%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-223.06		-0.08	-223.73	-0.67	0.30%	-7.62%	
Total Amount on Two-Tier RPP			2,927.69			2,936.47	8.78	0.30%	100.00%	
Total Electricity Charge on TOU (before HST)			2,647.97			2,656.33	8.36	0.32%		95.24%
HST		0.13	344.24		0.13	345.32	1.09	0.32%		12.38%
Total Electricity Charge on TOU (including HST)			2,992.21			3,001.66	9.45	0.32%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-211.84		-0.08	-212.51	-0.67	0.32%		-7.62%
Total Amount on TOU			2,780.37			2,789.15	8.78	0.32%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 21 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	30.35%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	11.89%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	42.24%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		21.95%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.71%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.58%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	43.77%	43.24%
Service Charge	1	30.91	30.91	1	31.41	31.41	0.50	1.62%	12.34%	12.19%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0634	63.40	1,000	0.0652	65.20	1.80	2.84%	25.62%	25.31%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0002	0.2000	1,000	0.0002	0.2000	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			94.51			96.81	2.30	2.43%	38.04%	37.58%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.12	11.62	96	0.12	11.62	0.00	0.00%	4.56%	4.51%
Line Losses on Cost of Power (based on TOU prices)	96	0.11	10.69	96	0.11	10.69	0.00	0.00%	4.20%	4.15%
Sub-Total: Distribution (based on two-tier RPP prices)			106.92			109.22	2.30	2.15%	42.91%	42.40%
Sub-Total: Distribution (based on TOU prices)			105.99			108.29	2.30	2.17%	42.55%	42.04%
Retail Transmission Rate – Network Service Rate	1,096	0.0057	6.24	1,096	0.0055	6.03	-0.21	-3.39%	2.37%	2.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0045	4.90	1,096	0.0045	4.93	0.03	0.58%	1.94%	1.91%
Sub-Total: Retail Transmission			11.14			10.96	-0.18	-1.64%	4.31%	4.25%
Sub-Total: Delivery (based on two-tier RPP prices)			118.06			120.18	2.12	1.79%	47.22%	46.65%
Sub-Total: Delivery (based on TOU prices)			117.14			119.25	2.12	1.81%	46.86%	46.29%
Wholesale Market Service Rate	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.55%	1.53%
Rural Rate Protection Charge	1,096	0.0021	2.30	1,096	0.0021	2.30	0.00	0.00%	0.90%	0.89%
Ontario Electricity Support Program Charge	1,096	0.0011	1.21	1,096	0.0011	1.21	0.00	0.00%	0.47%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.70			7.70	0.00	0.00%	3.03%	2.99%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.75%	2.72%
Total Electricity Charge on Two-Tier RPP			240.26			242.38	2.12	0.88%	95.24%	
HST		0.13	31.23		0.13	31.51	0.28	0.88%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			271.50			273.89	2.39	0.88%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.22		-0.08	-19.39	-0.17	0.88%	-7.62%	
Total Amount on Two-Tier RPP			252.27			254.50	2.22	0.88%	100.00%	
Total Electricity Charge on TOU (before HST)			243.23			245.35	2.12	0.87%		95.24%
HST		0.13	31.62		0.13	31.90	0.28	0.87%		12.38%
Total Electricity Charge on TOU (including HST)			274.85			277.24	2.39	0.87%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.46		-0.08	-19.63	-0.17	0.87%		-7.62%
Total Amount on TOU			255.39			257.61	2.22	0.87%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 22 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	15.79%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	30.92%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	46.72%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		23.51%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		9.33%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		13.47%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	45.55%	46.30%
Service Charge	1	30.91	30.91	1	31.41	31.41	0.50	1.62%	6.42%	6.53%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0634	126.80	2,000	0.0652	130.40	3.60	2.84%	26.66%	27.10%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,000	0.0002	0.4000	2,000	0.0002	0.4000	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			158.11			162.21	4.10	2.59%	33.17%	33.71%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.12	23.23	192	0.12	23.23	0.00	0.00%	4.75%	4.83%
Line Losses on Cost of Power (based on TOU prices)	192	0.11	21.39	192	0.11	21.39	0.00	0.00%	4.37%	4.44%
Sub-Total: Distribution (based on two-tier RPP prices)			182.13			186.23	4.10	2.25%	38.08%	38.71%
Sub-Total: Distribution (based on TOU prices)			180.29			184.39	4.10	2.27%	37.70%	38.32%
Retail Transmission Rate – Network Service Rate	2,192	0.0057	12.48	2,192	0.0055	12.06	-0.42	-3.39%	2.46%	2.51%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0045	9.81	2,192	0.0045	9.86	0.06	0.58%	2.02%	2.05%
Sub-Total: Retail Transmission			22.29			21.92	-0.37	-1.64%	4.48%	4.56%
Sub-Total: Delivery (based on two-tier RPP prices)			204.42			208.15	3.73	1.83%	42.56%	43.26%
Sub-Total: Delivery (based on TOU prices)			202.57			206.31	3.73	1.84%	42.18%	42.88%
Wholesale Market Service Rate	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.61%	1.64%
Rural Rate Protection Charge	2,192	0.0021	4.60	2,192	0.0021	4.60	0.00	0.00%	0.94%	0.96%
Ontario Electricity Support Program Charge	2,192	0.0011	2.41	2,192	0.0011	2.41	0.00	0.00%	0.49%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.16			15.16	0.00	0.00%	3.10%	3.15%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.86%	2.91%
Total Electricity Charge on Two-Tier RPP			462.07			465.81	3.73	0.81%	95.24%	
HST		0.13	60.07		0.13	60.55	0.49	0.81%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			522.14			526.36	4.22	0.81%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.97		-0.08	-37.26	-0.30	0.81%	-7.62%	
Total Amount on Two-Tier RPP			485.18			489.10	3.92	0.81%	100.00%	
Total Electricity Charge on TOU (before HST)			454.51			458.24	3.73	0.82%		95.24%
HST		0.13	59.09		0.13	59.57	0.49	0.82%		12.38%
Total Electricity Charge on TOU (including HST)			513.59			517.81	4.22	0.82%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.36		-0.08	-36.66	-0.30	0.82%		-7.62%
Total Amount on TOU			477.23			481.15	3.92	0.82%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	1,982
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2172.272
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 23 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	15.93%	
Energy Second Tier (kWh)	1,232	0.121	149.07	1,232	0.121	149.07	0.00	0.00%	30.74%	
Sub-Total: Energy (RPP)			226.32			226.32	0.00	0.00%	46.68%	
TOU-Off Peak	1,288	0.087	112.08	1,288	0.087	112.08	0.00	0.00%		23.49%
TOU-Mid Peak	337	0.132	44.48	337	0.132	44.48	0.00	0.00%		9.32%
TOU-On Peak	357	0.180	64.22	357	0.180	64.22	0.00	0.00%		13.46%
Sub-Total: Energy (TOU)			220.77			220.77	0.00	0.00%	45.53%	46.27%
Service Charge	1	30.91	30.91	1	31.41	31.41	0.50	1.62%	6.48%	6.58%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,982	0.0634	125.66	1,982	0.0652	129.23	3.57	2.84%	26.65%	27.08%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,982	0.0002	0.3964	1,982	0.0002	0.3964	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			156.97			161.03	4.07	2.59%	33.21%	33.75%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	190	0.12	23.02	190	0.12	23.02	0.00	0.00%	4.75%	4.83%
Line Losses on Cost of Power (based on TOU prices)	190	0.11	21.19	190	0.11	21.19	0.00	0.00%	4.37%	4.44%
Sub-Total: Distribution (based on two-tier RPP prices)			180.78			184.85	4.07	2.25%	38.12%	38.74%
Sub-Total: Distribution (based on TOU prices)			178.95			183.02	4.07	2.27%	37.75%	38.36%
Retail Transmission Rate – Network Service Rate	2,172	0.0057	12.37	2,172	0.0055	11.95	-0.42	-3.39%	2.46%	2.50%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,172	0.0045	9.72	2,172	0.0045	9.78	0.06	0.58%	2.02%	2.05%
Sub-Total: Retail Transmission			22.09			21.72	-0.36	-1.64%	4.48%	4.55%
Sub-Total: Delivery (based on two-tier RPP prices)			202.86			206.57	3.70	1.83%	42.60%	43.29%
Sub-Total: Delivery (based on TOU prices)			201.04			204.74	3.70	1.84%	42.23%	42.91%
Wholesale Market Service Rate	2,172	0.0036	7.82	2,172	0.0036	7.82	0.00	0.00%	1.61%	1.64%
Rural Rate Protection Charge	2,172	0.0021	4.56	2,172	0.0021	4.56	0.00	0.00%	0.94%	0.96%
Ontario Electricity Support Program Charge	2,172	0.0011	2.39	2,172	0.0011	2.39	0.00	0.00%	0.49%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.02			15.02	0.00	0.00%	3.10%	3.15%
Debt Retirement Charge (DRC)	1,982	0.007	13.87	1,982	0.007	13.87	0.00	0.00%	2.86%	2.91%
Total Electricity Charge on Two-Tier RPP			458.08			461.79	3.70	0.81%	95.24%	
HST		0.13	59.55		0.13	60.03	0.48	0.81%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			517.63			521.82	4.19	0.81%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.65		-0.08	-36.94	-0.30	0.81%	-7.62%	
Total Amount on Two-Tier RPP			480.99			484.88	3.89	0.81%	100.00%	
Total Electricity Charge on TOU (before HST)			450.71			454.41	3.70	0.82%		95.24%
HST		0.13	58.59		0.13	59.07	0.48	0.82%		12.38%
Total Electricity Charge on TOU (including HST)			509.30			513.48	4.19	0.82%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.06		-0.08	-36.35	-0.30	0.82%		-7.62%
Total Amount on TOU			473.24			477.13	3.89	0.82%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	15,000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 24 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.18%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	48.72%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	50.91%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		25.04%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		9.94%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		14.35%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	47.21%	49.33%
Service Charge	1	30.91	30.91	1	31.41	31.41	0.50	1.62%	0.89%	0.93%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0634	951.00	15,000	0.0652	978.00	27.00	2.84%	27.64%	28.87%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	15,000	0.0002	3.0000	15,000	0.0002	3.0000	0.00	0.00%	0.08%	0.09%
Sub-Total: Distribution (excluding pass through)			984.91			1,012.41	27.50	2.79%	28.61%	29.89%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.12	174.24	1,440	0.12	174.24	0.00	0.00%	4.92%	5.14%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.11	160.40	1,440	0.11	160.40	0.00	0.00%	4.53%	4.74%
Sub-Total: Distribution (based on two-tier RPP prices)			1,159.94			1,187.44	27.50	2.37%	33.55%	35.06%
Sub-Total: Distribution (based on TOU prices)			1,146.10			1,173.60	27.50	2.40%	33.16%	34.65%
Retail Transmission Rate – Network Service Rate	16,440	0.0057	93.59	16,440	0.0055	90.42	-3.17	-3.39%	2.56%	2.67%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0045	73.55	16,440	0.0045	73.98	0.43	0.58%	2.09%	2.18%
Sub-Total: Retail Transmission			167.15			164.40	-2.75	-1.64%	4.65%	4.85%
Sub-Total: Delivery (based on two-tier RPP prices)			1,327.09			1,351.84	24.75	1.87%	38.20%	39.91%
Sub-Total: Delivery (based on TOU prices)			1,313.25			1,338.00	24.75	1.88%	37.81%	39.50%
Wholesale Market Service Rate	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.67%	1.75%
Rural Rate Protection Charge	16,440	0.0021	34.52	16,440	0.0021	34.52	0.00	0.00%	0.98%	1.02%
Ontario Electricity Support Program Charge	16,440	0.0011	18.08	16,440	0.0011	18.08	0.00	0.00%	0.51%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			112.04			112.04	0.00	0.00%	3.17%	3.31%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.97%	3.10%
Total Electricity Charge on Two-Tier RPP			3,345.63			3,370.38	24.75	0.74%	95.24%	
HST		0.13	434.93		0.13	438.15	3.22	0.74%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,780.56			3,808.53	27.97	0.74%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-267.65		-0.08	-269.63	-1.98	0.74%	-7.62%	
Total Amount on Two-Tier RPP			3,512.91			3,538.90	25.99	0.74%	100.00%	
Total Electricity Charge on TOU (before HST)			3,201.14			3,225.89	24.75	0.77%		95.24%
HST		0.13	416.15		0.13	419.37	3.22	0.77%		12.38%
Total Electricity Charge on TOU (including HST)			3,617.29			3,645.26	27.97	0.77%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-256.09		-0.08	-258.07	-1.98	0.77%		-7.62%
Total Amount on TOU			3,361.20			3,387.19	25.99	0.77%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 25 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.103	1,622.25	15,750	0.103	1,622.25	0.00	0.00%	50.59%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,622.25			1,622.25	0.00	0.00%	50.59%
Service Charge	1	105.1	105.10	1	106.7	106.70	1.60	1.52%	3.33%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	10.2368	614.21	60	10.5133	630.80	16.59	2.70%	19.67%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0646	3.88	60	0.0646	3.88	0.00	0.00%	0.12%
Volumetric Global Adjustment Account Rider	15,750	0.0019	29.93	15,750	0.0019	29.93	0.00	0.00%	0.93%
Sub-Total: Distribution			753.12			771.31	18.19	2.42%	24.05%
Retail Transmission Rate – Network Service Rate	60	2.2310	133.86	60	2.1349	128.09	-5.77	-4.31%	3.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.7047	102.28	60	1.7285	103.71	1.43	1.40%	3.23%
Sub-Total: Retail Transmission			236.14			231.80	-4.34	-1.84%	7.23%
Sub-Total: Delivery			989.26			1,003.11	13.85	1.40%	31.28%
Wholesale Market Service Rate	15,750	0.0036	56.70	15,750	0.0036	56.70	0.00	0.00%	1.77%
Rural Rate Protection Charge	15,750	0.0021	33.08	15,750	0.0021	33.08	0.00	0.00%	1.03%
Ontario Electricity Support Program Charge	15,750	0.0011	17.33	15,750	0.0011	17.33	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			107.35			107.35	0.00	0.00%	3.35%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.27%
Total Electricity Charge on Two-Tier RPP (before HST)			2,823.86			2,837.71	13.85	0.49%	88.50%
HST		0.13	367.10		0.13	368.90	1.80	0.49%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,190.96			3,206.62	15.65	0.49%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,190.96			3,206.62	15.65	0.49%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.050
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	36,750
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 26 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.103	3,785.25	36,750	0.103	3,785.25	0.00	0.00%	54.12%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,785.25			3,785.25	0.00	0.00%	54.12%
Service Charge	1	105.1	105.10	1	106.7	106.70	1.60	1.52%	1.53%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	120	10.2368	1,228.42	120	10.5133	1,261.60	33.18	2.70%	18.04%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	120	0.0646	7.75	120	0.0646	7.75	0.00	0.00%	0.11%
Volumetric Global Adjustment Account Rider	36,750	0.0019	69.83	36,750	0.0019	69.83	0.00	0.00%	1.00%
Sub-Total: Distribution			1,411.10			1,445.88	34.78	2.46%	20.67%
Retail Transmission Rate – Network Service Rate	120	2.2310	267.72	120	2.1349	256.19	-11.54	-4.31%	3.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.7047	204.56	120	1.7285	207.42	2.86	1.40%	2.97%
Sub-Total: Retail Transmission			472.29			463.61	-8.68	-1.84%	6.63%
Sub-Total: Delivery			1,883.39			1,909.49	26.10	1.39%	27.30%
Wholesale Market Service Rate	36,750	0.0036	132.30	36,750	0.0036	132.30	0.00	0.00%	1.89%
Rural Rate Protection Charge	36,750	0.0021	77.18	36,750	0.0021	77.18	0.00	0.00%	1.10%
Ontario Electricity Support Program Charge	36,750	0.0011	40.43	36,750	0.0011	40.43	0.00	0.00%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			250.15			250.15	0.00	0.00%	3.58%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.50%
Total Electricity Charge on Two-Tier RPP (before HST)			6,163.79			6,189.89	26.10	0.42%	88.50%
HST		0.13	801.29		0.13	804.69	3.39	0.42%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			6,965.08			6,994.58	29.50	0.42%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			6,965.08			6,994.58	29.50	0.42%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	50,525
Peak (kW)	138
Loss factor	1.050
Load factor	50%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	53,051
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 27 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	53,051	0.103	5,464.28	53,051	0.103	5,464.28	0.00	0.00%	57.71%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,464.28			5,464.28	0.00	0.00%	57.71%
Service Charge	1	105.1	105.10	1	106.7	106.70	1.60	1.52%	1.13%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	138	10.2368	1,412.68	138	10.5133	1,450.84	38.16	2.70%	15.32%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	138	0.0646	8.91	138	0.0646	8.91	0.00	0.00%	0.09%
Volumetric Global Adjustment Account Rider	53,051	0.0019	100.80	53,051	0.0019	100.80	0.00	0.00%	1.06%
Sub-Total: Distribution			1,627.50			1,667.26	39.76	2.44%	17.61%
Retail Transmission Rate – Network Service Rate	138	2.2310	307.88	138	2.1349	294.62	-13.27	-4.31%	3.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	138	1.7047	235.25	138	1.7285	238.53	3.29	1.40%	2.52%
Sub-Total: Retail Transmission			543.13			533.15	-9.98	-1.84%	5.63%
Sub-Total: Delivery			2,170.63			2,200.41	29.78	1.37%	23.24%
Wholesale Market Service Rate	53,051	0.0036	190.98	53,051	0.0036	190.98	0.00	0.00%	2.02%
Rural Rate Protection Charge	53,051	0.0021	111.41	53,051	0.0021	111.41	0.00	0.00%	1.18%
Ontario Electricity Support Program Charge	53,051	0.0011	58.36	53,051	0.0011	58.36	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			361.00			361.00	0.00	0.00%	3.81%
Debt Retirement Charge (DRC)	50,525	0.007	353.68	50,525	0.007	353.68	0.00	0.00%	3.74%
Total Electricity Charge on Two-Tier RPP (before HST)			8,349.58			8,379.36	29.78	0.36%	88.50%
HST		0.13	1,085.45		0.13	1,089.32	3.87	0.36%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			9,435.03			9,468.68	33.65	0.36%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			9,435.03			9,468.68	33.65	0.36%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 28 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.103	18,926.25	183,750	0.103	18,926.25	0.00	0.00%	57.60%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,926.25			18,926.25	0.00	0.00%	57.60%
Service Charge	1	105.1	105.10	1	106.7	106.70	1.60	1.52%	0.32%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	10.2368	5,118.40	500	10.5133	5,256.65	138.25	2.70%	16.00%
Volumetric Global Adjustment Account Rider	183,750	0.0019	349.13	183,750	0.0019	349.13	0.00	0.00%	1.06%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0646	32.30	500	0.0646	32.30	0.00	0.00%	0.10%
Sub-Total: Distribution			5,604.94			5,744.79	139.85	2.50%	17.48%
Retail Transmission Rate – Network Service Rate	500	2.2310	1,115.52	500	2.1349	1,067.45	-48.07	-4.31%	3.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.7047	852.34	500	1.7285	864.25	11.91	1.40%	2.63%
Sub-Total: Retail Transmission			1,967.86			1,931.70	-36.16	-1.84%	5.88%
Sub-Total: Delivery			7,572.79			7,676.49	103.69	1.37%	23.36%
Wholesale Market Service Rate	183,750	0.0036	661.50	183,750	0.0036	661.50	0.00	0.00%	2.01%
Rural Rate Protection Charge	183,750	0.0021	385.88	183,750	0.0021	385.88	0.00	0.00%	1.17%
Ontario Electricity Support Program Charge	183,750	0.0011	202.13	183,750	0.0011	202.13	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,249.75			1,249.75	0.00	0.00%	3.80%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.73%
Total Electricity Charge on Two-Tier RPP (before HST)			28,973.79			29,077.49	103.69	0.36%	88.50%
HST		0.13	3,766.59		0.13	3,780.07	13.48	0.36%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			32,740.39			32,857.56	117.17	0.36%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			32,740.39			32,857.56	117.17	0.36%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 29 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.103	1,639.25	15,915	0.103	1,639.25	0.00	0.00%	44.40%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,639.25			1,639.25	0.00	0.00%	44.40%
Service Charge	1	106.28	106.28	1	107.62	107.62	1.34	1.26%	2.91%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	17.8734	1,072.40	60	18.3529	1,101.17	28.77	2.68%	29.82%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0470	2.82	60	0.0470	2.82	0.00	0.00%	0.08%
Volumetric Global Adjustment Account Rider	15,915	0.0019	30.24	15,915	0.0019	30.24	0.00	0.00%	0.82%
Sub-Total: Distribution			1,211.72			1,241.83	30.11	2.48%	33.63%
Retail Transmission Rate – Network Service Rate	60	1.6718	100.31	60	1.5908	95.45	-4.86	-4.85%	2.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2769	76.61	60	1.2918	77.51	0.89	1.17%	2.10%
Sub-Total: Retail Transmission			176.92			172.96	-3.97	-2.24%	4.68%
Sub-Total: Delivery			1,388.65			1,414.79	26.14	1.88%	38.32%
Wholesale Market Service Rate	15,915	0.0036	57.29	15,915	0.0036	57.29	0.00	0.00%	1.55%
Rural Rate Protection Charge	15,915	0.0021	33.42	15,915	0.0021	33.42	0.00	0.00%	0.91%
Ontario Electricity Support Program Charge	15,915	0.0011	17.51	15,915	0.0011	17.51	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.47			108.47	0.00	0.00%	2.94%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.84%
Total Electricity Charge on Two-Tier RPP (before HST)			3,241.36			3,267.51	26.14	0.81%	88.50%
HST		0.13	421.38		0.13	424.78	3.40	0.81%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,662.74			3,692.28	29.54	0.81%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,662.74			3,692.28	29.54	0.81%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	37,135
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 30 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	37,135	0.103	3,824.91	37,135	0.103	3,824.91	0.00	0.00%	47.98%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,824.91			3,824.91	0.00	0.00%	47.98%
Service Charge	1	106.28	106.28	1	107.62	107.62	1.34	1.26%	1.35%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	120	17.8734	2,144.81	120	18.3529	2,202.35	57.54	2.68%	27.63%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	120	0.0470	5.64	120	0.0470	5.64	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	37,135	0.0019	70.56	37,135	0.0019	70.56	0.00	0.00%	0.89%
Sub-Total: Distribution			2,327.26			2,386.14	58.88	2.53%	29.93%
Retail Transmission Rate – Network Service Rate	120	1.6718	200.62	120	1.5908	190.90	-9.72	-4.85%	2.39%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2769	153.23	120	1.2918	155.02	1.79	1.17%	1.94%
Sub-Total: Retail Transmission			353.85			345.91	-7.94	-2.24%	4.34%
Sub-Total: Delivery			2,681.11			2,732.06	50.94	1.90%	34.27%
Wholesale Market Service Rate	37,135	0.0036	133.69	37,135	0.0036	133.69	0.00	0.00%	1.68%
Rural Rate Protection Charge	37,135	0.0021	77.98	37,135	0.0021	77.98	0.00	0.00%	0.98%
Ontario Electricity Support Program Charge	37,135	0.0011	40.85	37,135	0.0011	40.85	0.00	0.00%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			252.77			252.77	0.00	0.00%	3.17%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.07%
Total Electricity Charge on Two-Tier RPP (before HST)			7,003.79			7,054.73	50.94	0.73%	88.50%
HST		0.13	910.49		0.13	917.11	6.62	0.73%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			7,914.28			7,971.84	57.57	0.73%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			7,914.28			7,971.84	57.57	0.73%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	36,104
Peak (kW)	128
Loss factor	1.061
Load factor	39%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	38,306
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 31 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	38,306	0.103	3,945.55	38,306	0.103	3,945.55	0.00	0.00%	47.42%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,945.55			3,945.55	0.00	0.00%	47.42%
Service Charge	1	106.28	106.28	1	107.62	107.62	1.34	1.26%	1.29%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	128	17.8734	2,287.80	128	18.3529	2,349.17	61.38	2.68%	28.23%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	128	0.0470	6.02	128	0.0470	6.02	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	38,306	0.0019	72.78	38,306	0.0019	72.78	0.00	0.00%	0.87%
Sub-Total: Distribution			2,472.85			2,535.57	62.72	2.54%	30.47%
Retail Transmission Rate – Network Service Rate	128	1.6718	213.99	128	1.5908	203.62	-10.37	-4.85%	2.45%
Retail Transmission Rate – Line and Transformation Connection Service Rate	128	1.2769	163.44	128	1.2918	165.35	1.91	1.17%	1.99%
Sub-Total: Retail Transmission			377.44			368.97	-8.46	-2.24%	4.43%
Sub-Total: Delivery			2,850.29			2,904.54	54.25	1.90%	34.91%
Wholesale Market Service Rate	38,306	0.0036	137.90	38,306	0.0036	137.90	0.00	0.00%	1.66%
Rural Rate Protection Charge	38,306	0.0021	80.44	38,306	0.0021	80.44	0.00	0.00%	0.97%
Ontario Electricity Support Program Charge	38,306	0.0011	42.14	38,306	0.0011	42.14	0.00	0.00%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			260.73			260.73	0.00	0.00%	3.13%
Debt Retirement Charge (DRC)	36,104	0.007	252.73	36,104	0.007	252.73	0.00	0.00%	3.04%
Total Electricity Charge on Two-Tier RPP (before HST)			7,309.31			7,363.56	54.25	0.74%	88.50%
HST		0.13	950.21		0.13	957.26	7.05	0.74%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			8,259.52			8,320.82	61.30	0.74%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			8,259.52			8,320.82	61.30	0.74%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 32 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.103	19,124.53	185,675	0.103	19,124.53	0.00	0.00%	51.73%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,124.53			19,124.53	0.00	0.00%	51.73%
Service Charge	1	106.28	106.28	1	107.62	107.62	1.34	1.26%	0.29%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	17.8734	8,936.70	500	18.3529	9,176.45	239.75	2.68%	24.82%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0470	23.50	500	0.0470	23.50	0.00	0.00%	0.06%
Volumetric Global Adjustment Account Rider	185,675	0.0019	352.78	185,675	0.0019	352.78	0.00	0.00%	0.95%
Sub-Total: Distribution			9,419.24			9,660.33	241.09	2.56%	26.13%
Retail Transmission Rate – Network Service Rate	500	1.6718	835.91	500	1.5908	795.40	-40.51	-4.85%	2.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2769	638.46	500	1.2918	645.90	7.44	1.17%	1.75%
Sub-Total: Retail Transmission			1,474.37			1,441.30	-33.07	-2.24%	3.90%
Sub-Total: Delivery			10,893.61			11,101.63	208.02	1.91%	30.03%
Wholesale Market Service Rate	185,675	0.0036	668.43	185,675	0.0036	668.43	0.00	0.00%	1.81%
Rural Rate Protection Charge	185,675	0.0021	389.92	185,675	0.0021	389.92	0.00	0.00%	1.05%
Ontario Electricity Support Program Charge	185,675	0.0011	204.24	185,675	0.0011	204.24	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,262.84			1,262.84	0.00	0.00%	3.42%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.31%
Total Electricity Charge on Two-Tier RPP (before HST)			32,505.97			32,714.00	208.02	0.64%	88.50%
HST		0.13	4,225.78		0.13	4,252.82	27.04	0.64%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			36,731.75			36,966.82	235.07	0.64%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			36,731.75			36,966.82	235.07	0.64%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 33 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.103	32.78	318	0.103	32.78	0.00	0.00%	8.08%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			32.78			32.78	0.00	0.00%	8.08%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	48.80%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	10	10.379	103.79	10	11.1084	111.08	7.29	7.03%	27.37%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10	0.0172	0.17	10	0.0172	0.17	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	318	0.0019	0.60	318	0.0019	0.60	0.00	0.00%	0.15%
Sub-Total: Distribution			302.61			309.90	7.29	2.41%	76.36%
Retail Transmission Rate – Network Service Rate	10	0.6311	6.31	10	0.6395	6.40	0.08	1.33%	1.58%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.5475	5.47	10	0.5543	5.54	0.07	1.25%	1.37%
Sub-Total: Retail Transmission			11.79			11.94	0.15	1.29%	2.94%
Sub-Total: Delivery			314.39			321.84	7.45	2.37%	79.30%
Wholesale Market Service Rate	318	0.0036	1.15	318	0.0036	1.15	0.00	0.00%	0.28%
Rural Rate Protection Charge	318	0.0021	0.67	318	0.0021	0.67	0.00	0.00%	0.16%
Ontario Electricity Support Program Charge	318	0.0011	0.35	318	0.0011	0.35	0.00	0.00%	0.09%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			2.41			2.41	0.00	0.00%	0.59%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.52%
Total Electricity Charge on Two-Tier RPP (before HST)			351.69			359.14	7.45	2.12%	88.50%
HST		0.13	45.72		0.13	46.69	0.97	2.12%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			397.41			405.83	8.41	2.12%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			397.41			405.83	8.41	2.12%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	2,000
Peak (kW)	20
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	2,122
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 34 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.103	218.57	2,122	0.103	218.57	0.00	0.00%	27.80%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			218.57			218.57	0.00	0.00%	27.80%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	25.19%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	20	10.379	207.58	20	11.1084	222.17	14.59	7.03%	28.26%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	20	0.0172	0.34	20	0.0172	0.34	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	2,122	0.0019	4.03	2,122	0.0019	4.03	0.00	0.00%	0.51%
Sub-Total: Distribution			410.00			424.58	14.59	3.56%	54.01%
Retail Transmission Rate – Network Service Rate	20	0.6311	12.62	20	0.6395	12.79	0.17	1.33%	1.63%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.5475	10.95	20	0.5543	11.09	0.14	1.25%	1.41%
Sub-Total: Retail Transmission			23.57			23.88	0.30	1.29%	3.04%
Sub-Total: Delivery			433.57			448.46	14.89	3.43%	57.05%
Wholesale Market Service Rate	2,122	0.0036	7.64	2,122	0.0036	7.64	0.00	0.00%	0.97%
Rural Rate Protection Charge	2,122	0.0021	4.46	2,122	0.0021	4.46	0.00	0.00%	0.57%
Ontario Electricity Support Program Charge	2,122	0.0011	2.33	2,122	0.0011	2.33	0.00	0.00%	0.30%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.03%
Sub-Total: Regulatory			14.68			14.68	0.00	0.00%	1.87%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	1.78%
Total Electricity Charge on Two-Tier RPP (before HST)			680.81			695.71	14.89	2.19%	88.50%
HST		0.13	88.51		0.13	90.44	1.94	2.19%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			769.32			786.15	16.83	2.19%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			769.32			786.15	16.83	2.19%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	1,328
Peak (kW)	12
Loss factor	1.061
Load factor	15%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,409
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 35 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,409	0.103	145.13	1,409	0.103	145.13	0.00	0.00%	25.04%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			145.13			145.13	0.00	0.00%	25.04%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	34.17%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	12	10.379	124.55	12	11.1084	133.30	8.75	7.03%	23.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	12	0.0172	0.21	12	0.0172	0.21	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	1,409	0.0019	2.68	1,409	0.0019	2.68	0.00	0.00%	0.46%
Sub-Total: Distribution			325.47			334.22	8.75	2.69%	57.68%
Retail Transmission Rate – Network Service Rate	12	0.6311	7.57	12	0.6395	7.67	0.10	1.33%	1.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	12	0.5475	6.57	12	0.5543	6.65	0.08	1.25%	1.15%
Sub-Total: Retail Transmission			14.14			14.33	0.18	1.29%	2.47%
Sub-Total: Delivery			339.61			348.55	8.94	2.63%	60.15%
Wholesale Market Service Rate	1,409	0.0036	5.07	1,409	0.0036	5.07	0.00	0.00%	0.88%
Rural Rate Protection Charge	1,409	0.0021	2.96	1,409	0.0021	2.96	0.00	0.00%	0.51%
Ontario Electricity Support Program Charge	1,409	0.0011	1.55	1,409	0.0011	1.55	0.00	0.00%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			9.83			9.83	0.00	0.00%	1.70%
Debt Retirement Charge (DRC)	1,328	0.007	9.30	1,328	0.007	9.30	0.00	0.00%	1.60%
Total Electricity Charge on Two-Tier RPP (before HST)			503.87			512.80	8.94	1.77%	88.50%
HST		0.13	65.50		0.13	66.66	1.16	1.77%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			569.37			579.47	10.10	1.77%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			569.37			579.47	10.10	1.77%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 36 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.103	546.42	5,305	0.103	546.42	0.00	0.00%	23.50%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			546.42			546.42	0.00	0.00%	23.50%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	8.52%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	10.379	1,037.90	100	11.1084	1,110.84	72.94	7.03%	47.77%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0172	1.72	100	0.0172	1.72	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	5,305	0.0019	10.08	5,305	0.0019	10.08	0.00	0.00%	0.43%
Sub-Total: Distribution			1,247.74			1,320.68	72.94	5.85%	56.80%
Retail Transmission Rate – Network Service Rate	100	0.6311	63.11	100	0.6395	63.95	0.84	1.33%	2.75%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.5475	54.75	100	0.5543	55.43	0.68	1.25%	2.38%
Sub-Total: Retail Transmission			117.86			119.38	1.52	1.29%	5.13%
Sub-Total: Delivery			1,365.60			1,440.06	74.46	5.45%	61.93%
Wholesale Market Service Rate	5,305	0.0036	19.10	5,305	0.0036	19.10	0.00	0.00%	0.82%
Rural Rate Protection Charge	5,305	0.0021	11.14	5,305	0.0021	11.14	0.00	0.00%	0.48%
Ontario Electricity Support Program Charge	5,305	0.0011	5.84	5,305	0.0011	5.84	0.00	0.00%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			36.32			36.32	0.00	0.00%	1.56%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.51%
Total Electricity Charge on Two-Tier RPP (before HST)			1,983.33			2,057.80	74.46	3.75%	88.50%
HST		0.13	257.83		0.13	267.51	9.68	3.75%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,241.17			2,325.31	84.14	3.75%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,241.17			2,325.31	84.14	3.75%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 37 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.103	21,300.40	206,800	0.103	21,300.40	0.00	0.00%	63.41%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			21,300.40			21,300.40	0.00	0.00%	63.41%
Service Charge (includes Meter Charge for 1 meter point)	1	1256.88	1,256.88	1	1269.2	1,269.20	12.32	0.98%	3.78%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.01%
Distribution Volumetric Rate (ST Common Line Charge)	500	1.4140	707.02	500	1.4475	723.77	16.75	2.37%	2.15%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.2729	136.45	500	0.2729	136.45	0.00	0.00%	0.41%
Volumetric Global Adjustment Account Rider	206,800	0.0019	392.92	206,800	0.0019	392.92	0.00	0.00%	1.17%
Sub-Total: Distribution			2,497.10			2,526.17	29.07	1.16%	7.52%
Retail Transmission Rate – Network Service Rate	500	3.4866	1,743.32	500	3.5367	1,768.35	25.03	1.44%	5.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6022	1,301.08	500	2.6514	1,325.70	24.62	1.89%	3.95%
Sub-Total: Retail Transmission			3,044.41			3,094.05	49.64	1.63%	9.21%
Sub-Total: Delivery			5,541.50			5,620.22	78.72	1.42%	16.73%
Wholesale Market Service Rate	206,800	0.0036	744.48	206,800	0.0036	744.48	0.00	0.00%	2.22%
Rural Rate Protection Charge	206,800	0.0021	434.28	206,800	0.0021	434.28	0.00	0.00%	1.29%
Ontario Electricity Support Program Charge	206,800	0.0011	227.48	206,800	0.0011	227.48	0.00	0.00%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,406.49			1,406.49	0.00	0.00%	4.19%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.17%
Total Electricity Charge on Two-Tier RPP (before HST)			29,648.39			29,727.11	78.72	0.27%	88.50%
HST		0.13	3,854.29		0.13	3,864.52	10.23	0.27%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			33,502.69			33,591.64	88.95	0.27%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			33,502.69			33,591.64	88.95	0.27%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	1,601,036
Peak (kW)	2,960
Loss factor	1.034
Load factor	74%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,655,471
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 38 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,655,471	0.103	170,513.54	1,655,471	0.103	170,513.54	0.00	0.00%	68.34%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			170,513.54			170,513.54	0.00	0.00%	68.34%
Service Charge (includes Meter Charge for 1 meter point)	1	1256.88	1,256.88	1	1269.2	1,269.20	12.32	0.98%	0.51%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate (ST Common Line Charge)	2,960	1.4140	4,185.55	2,960	1.4475	4,284.73	99.18	2.37%	1.72%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,960	0.2729	807.78	2,960	0.2729	807.78	0.00	0.00%	0.32%
Volumetric Global Adjustment Account Rider	1,655,471	0.0019	3,145.40	1,655,471	0.0019	3,145.40	0.00	0.00%	1.26%
Sub-Total: Distribution			9,399.43			9,510.94	111.50	1.19%	3.81%
Retail Transmission Rate – Network Service Rate	2,960	3.4866	10,320.48	2,960	3.5367	10,468.63	148.15	1.44%	4.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,960	2.6022	7,702.41	2,960	2.6514	7,848.14	145.74	1.89%	3.15%
Sub-Total: Retail Transmission			18,022.88			18,316.78	293.89	1.63%	7.34%
Sub-Total: Delivery			27,422.32			27,827.71	405.39	1.48%	11.15%
Wholesale Market Service Rate	1,655,471	0.0036	5,959.70	1,655,471	0.0036	5,959.70	0.00	0.00%	2.39%
Rural Rate Protection Charge	1,655,471	0.0021	3,476.49	1,655,471	0.0021	3,476.49	0.00	0.00%	1.39%
Ontario Electricity Support Program Charge	1,655,471	0.0011	1,821.02	1,655,471	0.0011	1,821.02	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			11,257.45			11,257.45	0.00	0.00%	4.51%
Debt Retirement Charge (DRC)	1,601,036	0.007	11,207.25	1,601,036	0.007	11,207.25	0.00	0.00%	4.49%
Total Electricity Charge on Two-Tier RPP (before HST)			220,400.56			220,805.95	405.39	0.18%	88.50%
HST		0.13	28,652.07		0.13	28,704.77	52.70	0.18%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			249,052.64			249,510.73	458.09	0.18%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			249,052.64			249,510.73	458.09	0.18%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	500,000
Peak (kW)	1,000
Loss factor	1.034
Load factor	68%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	517,000
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 39 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.103	53,251.00	517,000	0.103	53,251.00	0.00	0.00%	66.91%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53,251.00			53,251.00	0.00	0.00%	66.91%
Service Charge (includes Meter Charge for 1 meter point)	1	1256.88	1,256.88	1	1269.2	1,269.20	12.32	0.98%	1.59%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate (ST Common Line Charge)	1,000	1.4140	1,414.04	1,000	1.4475	1,447.54	33.51	2.37%	1.82%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.2729	272.90	1,000	0.2729	272.90	0.00	0.00%	0.34%
Volumetric Global Adjustment Account Rider	517,000	0.0019	982.30	517,000	0.0019	982.30	0.00	0.00%	1.23%
Sub-Total: Distribution			3,929.95			3,975.77	45.83	1.17%	5.00%
Retail Transmission Rate – Network Service Rate	1,000	3.4866	3,486.65	1,000	3.5367	3,536.70	50.05	1.44%	4.44%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6022	2,602.16	1,000	2.6514	2,651.40	49.24	1.89%	3.33%
Sub-Total: Retail Transmission			6,088.81			6,188.10	99.29	1.63%	7.78%
Sub-Total: Delivery			10,018.76			10,163.87	145.11	1.45%	12.77%
Wholesale Market Service Rate	517,000	0.0036	1,861.20	517,000	0.0036	1,861.20	0.00	0.00%	2.34%
Rural Rate Protection Charge	517,000	0.0021	1,085.70	517,000	0.0021	1,085.70	0.00	0.00%	1.36%
Ontario Electricity Support Program Charge	517,000	0.0011	568.70	517,000	0.0011	568.70	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			3,515.85			3,515.85	0.00	0.00%	4.42%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	4.40%
Total Electricity Charge on Two-Tier RPP (before HST)			70,285.61			70,430.72	145.11	0.21%	88.50%
HST		0.13	9,137.13		0.13	9,155.99	18.86	0.21%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			79,422.74			79,586.72	163.98	0.21%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			79,422.74			79,586.72	163.98	0.21%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 40 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.103	426,008.00	4,136,000	0.103	426,008.00	0.00	0.00%	66.10%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			426,008.00			426,008.00	0.00	0.00%	66.10%
Service Charge (includes Meter Charge for 1 meter point)	1	1256.88	1,256.88	1	1269.2	1,269.20	12.32	0.98%	0.20%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate (ST Common Line Charge)	10,000	1.4140	14,140.36	10,000	1.4475	14,475.42	335.07	2.37%	2.25%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0.2729	2,729.00	10,000	0.2729	2,729.00	0.00	0.00%	0.42%
Volumetric Global Adjustment Account Rider	4,136,000	0.0019	7,858.40	4,136,000	0.0019	7,858.40	0.00	0.00%	1.22%
Sub-Total: Distribution			25,988.47			26,335.85	347.39	1.34%	4.09%
Retail Transmission Rate – Network Service Rate	10,000	3.4866	34,866.48	10,000	3.5367	35,367.00	500.52	1.44%	5.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6022	26,021.64	10,000	2.6514	26,514.00	492.36	1.89%	4.11%
Sub-Total: Retail Transmission			60,888.12			61,881.00	992.88	1.63%	9.60%
Sub-Total: Delivery			86,876.59			88,216.85	1,340.26	1.54%	13.69%
Wholesale Market Service Rate	4,136,000	0.0036	14,889.60	4,136,000	0.0036	14,889.60	0.00	0.00%	2.31%
Rural Rate Protection Charge	4,136,000	0.0021	8,685.60	4,136,000	0.0021	8,685.60	0.00	0.00%	1.35%
Ontario Electricity Support Program Charge	4,136,000	0.0011	4,549.60	4,136,000	0.0011	4,549.60	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			28,125.05			28,125.05	0.00	0.00%	4.36%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.34%
Total Electricity Charge on Two-Tier RPP (before HST)			569,009.64			570,349.90	1,340.26	0.24%	88.50%
HST		0.13	73,971.25		0.13	74,145.49	174.23	0.24%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			642,980.89			644,495.39	1,514.50	0.24%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			642,980.89			644,495.39	1,514.50	0.24%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 41 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	18.03%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	18.03%
Service Charge	1	36.88	36.88	1	37.5	37.50	0.62	1.68%	65.63%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.02%
Distribution Volumetric Rate	100	0.0300	3.00	100	0.0304	3.04	0.04	1.33%	5.32%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.04%
Sub-Total: Distribution (excluding pass through)			39.89			40.55	0.66	1.65%	70.97%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	1.66%
Sub-Total: Distribution			40.84			41.50	0.66	1.62%	72.63%
Retail Transmission Rate – Network Service Rate	109	0.0048	0.52	109	0.0047	0.51	-0.01	-1.47%	0.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0038	0.41	109	0.0038	0.41	0.00	0.13%	0.73%
Sub-Total: Retail Transmission			0.94			0.93	-0.01	-0.76%	1.62%
Sub-Total: Delivery			41.77			42.43	0.65	1.56%	74.25%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	0.69%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.40%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.21%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.44%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	1.74%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.23%
Total Electricity Charge on Two-Tier RPP (before HST)			53.77			54.42	0.65	1.21%	95.24%
HST		0.13	6.99		0.13	7.07	0.08	1.21%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			60.75			61.49	0.74	1.21%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.30		-0.08	-4.35	-0.05	1.21%	-7.62%
Total Amount on Two-Tier RPP			56.45			57.14	0.69	1.21%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 42 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.103	51.50	500	0.103	51.50	0.00	0.00%	40.49%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			51.50			51.50	0.00	0.00%	40.49%
Service Charge	1	36.88	36.88	1	37.5	37.50	0.62	1.68%	29.48%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.01%
Distribution Volumetric Rate	500	0.0300	15.00	500	0.0304	15.20	0.20	1.33%	11.95%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0002	0.10	500	0.0002	0.10	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			51.97			52.79	0.82	1.58%	41.51%
Line Losses on Cost of Power	46	0.10	4.74	46	0.10	4.74	0.00	0.00%	3.73%
Sub-Total: Distribution			56.71			57.53	0.82	1.45%	45.23%
Retail Transmission Rate – Network Service Rate	546	0.0048	2.60	546	0.0047	2.57	-0.04	-1.47%	2.02%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0038	2.07	546	0.0038	2.07	0.00	0.13%	1.63%
Sub-Total: Retail Transmission			4.68			4.64	-0.04	-0.76%	3.65%
Sub-Total: Delivery			61.38			62.17	0.78	1.28%	48.88%
Wholesale Market Service Rate	546	0.0036	1.97	546	0.0036	1.97	0.00	0.00%	1.55%
Rural Rate Protection Charge	546	0.0021	1.15	546	0.0021	1.15	0.00	0.00%	0.90%
Ontario Electricity Support Program Charge	546	0.0011	0.60	546	0.0011	0.60	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%
Sub-Total: Regulatory			3.96			3.96	0.00	0.00%	3.12%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.75%
Total Electricity Charge on Two-Tier RPP (before HST)			120.35			121.13	0.78	0.65%	95.24%
HST		0.13	15.65		0.13	15.75	0.10	0.65%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			135.99			136.88	0.89	0.65%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.63		-0.08	-9.69	-0.06	0.65%	-7.62%
Total Amount on Two-Tier RPP			126.36			127.19	0.82	0.65%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	364
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	397
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 43 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	364	0.103	37.49	364	0.103	37.49	0.00	0.00%	36.27%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			37.49			37.49	0.00	0.00%	36.27%
Service Charge	1	36.88	36.88	1	37.5	37.50	0.62	1.68%	36.28%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.01%
Distribution Volumetric Rate	364	0.0300	10.92	364	0.0304	11.07	0.15	1.33%	10.70%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	364	0.0002	0.07	364	0.0002	0.07	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			47.86			48.63	0.77	1.60%	47.04%
Line Losses on Cost of Power	33	0.10	3.45	33	0.10	3.45	0.00	0.00%	3.34%
Sub-Total: Distribution			51.31			52.08	0.77	1.49%	50.38%
Retail Transmission Rate – Network Service Rate	397	0.0048	1.90	397	0.0047	1.87	-0.03	-1.47%	1.81%
Retail Transmission Rate – Line and Transformation Connection Service Rate	397	0.0038	1.51	397	0.0038	1.51	0.00	0.13%	1.46%
Sub-Total: Retail Transmission			3.40			3.38	-0.03	-0.76%	3.27%
Sub-Total: Delivery			54.72			55.46	0.74	1.35%	53.65%
Wholesale Market Service Rate	397	0.0036	1.43	397	0.0036	1.43	0.00	0.00%	1.38%
Rural Rate Protection Charge	397	0.0021	0.83	397	0.0021	0.83	0.00	0.00%	0.81%
Ontario Electricity Support Program Charge	397	0.0011	0.44	397	0.0011	0.44	0.00	0.00%	0.42%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.24%
Sub-Total: Regulatory			2.95			2.95	0.00	0.00%	2.86%
Debt Retirement Charge (DRC)	364	0.007	2.55	364	0.007	2.55	0.00	0.00%	2.46%
Total Electricity Charge on Two-Tier RPP (before HST)			97.71			98.45	0.74	0.76%	95.24%
HST		0.13	12.70		0.13	12.80	0.10	0.76%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			110.41			111.25	0.84	0.76%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.82		-0.08	-7.88	-0.06	0.76%	-7.62%
Total Amount on Two-Tier RPP			102.59			103.37	0.78	0.76%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 44 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	34.92%
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	13.67%
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	48.60%
Service Charge	1	36.88	36.88	1	37.50	37.50	0.62	1.68%	16.95%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0300	30.00	1,000	0.0304	30.40	0.40	1.33%	13.74%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.09%
Sub-Total: Distribution (excluding pass through)			67.07			68.09	1.02	1.52%	30.78%
Line Losses on Cost of Power	92	0.12	11.13	92	0.12	11.13	0.00	0.00%	5.03%
Sub-Total: Distribution			78.20			79.22	1.02	1.30%	35.81%
Retail Transmission Rate – Network Service Rate	1,092	0.0048	5.21	1,092	0.0047	5.13	-0.08	-1.47%	2.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0038	4.14	1,092	0.0038	4.15	0.01	0.13%	1.88%
Sub-Total: Retail Transmission			9.35			9.28	-0.07	-0.76%	4.20%
Sub-Total: Delivery			87.55			88.50	0.95	1.08%	40.01%
Wholesale Market Service Rate	1,092	0.0036	3.93	1,092	0.0036	3.93	0.00	0.00%	1.78%
Rural Rate Protection Charge	1,092	0.0021	2.29	1,092	0.0021	2.29	0.00	0.00%	1.04%
Ontario Electricity Support Program Charge	1,092	0.0011	1.20	1,092	0.0011	1.20	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%
Sub-Total: Regulatory			7.68			7.68	0.00	0.00%	3.47%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.16%
Total Electricity Charge on Two-Tier RPP (before HST)			209.73			210.68	0.95	0.45%	95.24%
HST		0.13	27.26		0.13	27.39	0.12	0.45%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			237.00			238.07	1.07	0.45%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.78		-0.08	-16.85	-0.08	0.45%	-7.62%
Total Amount on Two-Tier RPP			220.22			221.21	1.00	0.45%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	21.84
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 45 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.103	2.06	20	0.103	2.06	0.00	0.00%	21.26%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2.06			2.06	0.00	0.00%	21.26%
Service Charge	1	3.45	3.45	1	3.60	3.60	0.15	4.35%	37.15%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	20	0.1312	2.62	20	0.1338	2.68	0.05	1.98%	27.61%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	20	0.0001	0.00	20	0.0001	0.00	0.00	0.00%	0.02%
Sub-Total: Distribution (excluding pass through)			6.08			6.28	0.20	3.32%	64.79%
Line Losses on Cost of Power	2	0.10	0.19	2	0.10	0.19	0.00	0.00%	1.96%
Sub-Total: Distribution			6.27			6.47	0.20	3.22%	66.74%
Retail Transmission Rate – Network Service Rate	22	0.0047	0.10	22	0.0038	0.08	-0.02	-18.35%	0.86%
Retail Transmission Rate – Line and Transformation Connection Service Rate	22	0.0043	0.09	22	0.0036	0.08	-0.01	-15.52%	0.82%
Sub-Total: Retail Transmission			0.20			0.16	-0.03	-17.00%	1.68%
Sub-Total: Delivery			6.46			6.63	0.17	2.61%	68.42%
Wholesale Market Service Rate	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.81%
Rural Rate Protection Charge	22	0.0021	0.05	22	0.0021	0.05	0.00	0.00%	0.47%
Ontario Electricity Support Program Charge	22	0.0011	0.02	22	0.0011	0.02	0.00	0.00%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.58%
Sub-Total: Regulatory			0.40			0.40	0.00	0.00%	4.11%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.44%
Total Electricity Charge on Two-Tier RPP (before HST)			9.06			9.23	0.17	1.86%	95.24%
HST		0.13	1.18		0.13	1.20	0.02	1.86%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			10.24			10.43	0.19	1.86%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-0.72		-0.08	-0.74	-0.01	1.86%	-7.62%
Total Amount on Two-Tier RPP			9.51			9.69	0.18	1.86%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	71
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	77.532
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 46 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	71	0.103	7.31	71	0.103	7.31	0.00	0.00%	30.35%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.31			7.31	0.00	0.00%	30.35%
Service Charge	1	3.45	3.45	1	3.60	3.60	0.15	4.35%	14.94%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	71	0.1312	9.32	71	0.1338	9.50	0.18	1.98%	39.43%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	71	0.0001	0.01	71	0.0001	0.01	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			12.77			13.11	0.33	2.62%	54.40%
Line Losses on Cost of Power	7	0.10	0.67	7	0.10	0.67	0.00	0.00%	2.79%
Sub-Total: Distribution			13.45			13.78	0.33	2.49%	57.19%
Retail Transmission Rate – Network Service Rate	78	0.0047	0.36	78	0.0038	0.30	-0.07	-18.35%	1.23%
Retail Transmission Rate – Line and Transformation Connection Service Rate	78	0.0043	0.33	78	0.0036	0.28	-0.05	-15.52%	1.17%
Sub-Total: Retail Transmission			0.70			0.58	-0.12	-17.00%	2.40%
Sub-Total: Delivery			14.14			14.36	0.22	1.53%	59.60%
Wholesale Market Service Rate	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.16%
Rural Rate Protection Charge	78	0.0021	0.16	78	0.0021	0.16	0.00	0.00%	0.68%
Ontario Electricity Support Program Charge	78	0.0011	0.09	78	0.0011	0.09	0.00	0.00%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.04%
Sub-Total: Regulatory			0.78			0.78	0.00	0.00%	3.23%
Debt Retirement Charge (DRC)	71	0.007	0.50	71	0.007	0.50	0.00	0.00%	2.06%
Total Electricity Charge on Two-Tier RPP (before HST)			22.73			22.95	0.22	0.95%	95.24%
HST		0.13	2.95		0.13	2.98	0.03	0.95%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			25.68			25.93	0.24	0.95%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.82		-0.08	-1.84	-0.02	0.95%	-7.62%
Total Amount on Two-Tier RPP			23.87			24.09	0.23	0.95%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	54.6
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 47 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	28.36%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	28.36%
Service Charge	1	3.45	3.45	1	3.60	3.60	0.15	4.35%	19.82%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	50	0.1312	6.56	50	0.1338	6.69	0.13	1.98%	36.83%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	50	0.0001	0.01	50	0.0001	0.01	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			10.02			10.30	0.28	2.80%	56.68%
Line Losses on Cost of Power	5	0.10	0.47	5	0.10	0.47	0.00	0.00%	2.61%
Sub-Total: Distribution			10.49			10.77	0.28	2.67%	59.29%
Retail Transmission Rate – Network Service Rate	55	0.0047	0.26	55	0.0038	0.21	-0.05	-18.35%	1.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0043	0.23	55	0.0036	0.20	-0.04	-15.52%	1.09%
Sub-Total: Retail Transmission			0.49			0.41	-0.08	-17.00%	2.24%
Sub-Total: Delivery			10.98			11.18	0.20	1.79%	61.53%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	1.08%
Rural Rate Protection Charge	55	0.0021	0.11	55	0.0021	0.11	0.00	0.00%	0.63%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.33%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.38%
Sub-Total: Regulatory			0.62			0.62	0.00	0.00%	3.42%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	1.93%
Total Electricity Charge on Two-Tier RPP (before HST)			17.10			17.30	0.20	1.15%	95.24%
HST		0.13	2.22		0.13	2.25	0.03	1.15%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			19.32			19.55	0.22	1.15%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.37		-0.08	-1.38	-0.02	1.15%	-7.62%
Total Amount on Two-Tier RPP			17.96			18.16	0.21	1.15%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218.4
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 48 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.103	20.60	200	0.103	20.60	0.00	0.00%	34.04%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			20.60			20.60	0.00	0.00%	34.04%
Service Charge	1	3.45	3.45	1	3.60	3.60	0.15	4.35%	5.95%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	200	0.1312	26.24	200	0.1338	26.76	0.52	1.98%	44.22%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	200	0.0001	0.02	200	0.0001	0.02	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			29.71			30.38	0.67	2.26%	50.20%
Line Losses on Cost of Power	18	0.10	1.90	18	0.10	1.90	0.00	0.00%	3.13%
Sub-Total: Distribution			31.61			32.28	0.67	2.12%	53.33%
Retail Transmission Rate – Network Service Rate	218	0.0047	1.03	218	0.0038	0.84	-0.19	-18.35%	1.38%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.0043	0.94	218	0.0036	0.79	-0.15	-15.52%	1.31%
Sub-Total: Retail Transmission			1.96			1.63	-0.33	-17.00%	2.69%
Sub-Total: Delivery			33.57			33.90	0.34	1.00%	56.02%
Wholesale Market Service Rate	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.30%
Rural Rate Protection Charge	218	0.0021	0.46	218	0.0021	0.46	0.00	0.00%	0.76%
Ontario Electricity Support Program Charge	218	0.0011	0.24	218	0.0011	0.24	0.00	0.00%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.41%
Sub-Total: Regulatory			1.74			1.74	0.00	0.00%	2.87%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.31%
Total Electricity Charge on Two-Tier RPP (before HST)			57.30			57.64	0.34	0.59%	95.24%
HST		0.13	7.45		0.13	7.49	0.04	0.59%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			64.75			65.13	0.38	0.59%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.58		-0.08	-4.61	-0.03	0.59%	-7.62%
Total Amount on Two-Tier RPP			60.17			60.52	0.35	0.59%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 49 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	33.54%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	33.54%
Service Charge	1	4.33	4.33	1	4.77	4.77	0.44	10.16%	15.53%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	0.1044	10.44	100	0.107	10.70	0.26	2.49%	34.85%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			14.79			15.49	0.70	4.73%	50.44%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	3.09%
Sub-Total: Distribution			15.74			16.44	0.70	4.45%	53.53%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0038	0.42	-0.09	-18.35%	1.36%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0043	0.47	109	0.0036	0.40	-0.07	-15.52%	1.29%
Sub-Total: Retail Transmission			0.98			0.81	-0.17	-17.00%	2.65%
Sub-Total: Delivery			16.72			17.25	0.53	3.19%	56.18%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	1.28%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.75%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.81%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	3.23%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.28%
Total Electricity Charge on Two-Tier RPP (before HST)			28.71			29.24	0.53	1.86%	95.24%
HST			0.13			3.80	0.07	1.86%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			32.44			33.05	0.60	1.86%	107.62%
Rebate equal to Ontario portion of HST (8%)			-0.08			-2.34	-0.04	1.86%	-7.62%
Total Amount on Two-Tier RPP			30.15			30.71	0.56	1.86%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	517
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	564.564
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 50 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	517	0.103	53.25	517	0.103	53.25	0.00	0.00%	39.07%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53.25			53.25	0.00	0.00%	39.07%
Service Charge	1	4.33	4.33	1	4.77	4.77	0.44	10.16%	3.50%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	517	0.1044	53.97	517	0.107	55.32	1.34	2.49%	40.59%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	517	0.0002	0.10	517	0.0002	0.10	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			58.41			60.19	1.78	3.05%	44.16%
Line Losses on Cost of Power	48	0.10	4.90	48	0.10	4.90	0.00	0.00%	3.59%
Sub-Total: Distribution			63.31			65.09	1.78	2.82%	47.76%
Retail Transmission Rate – Network Service Rate	565	0.0047	2.65	565	0.0038	2.17	-0.49	-18.35%	1.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	565	0.0043	2.42	565	0.0036	2.05	-0.38	-15.52%	1.50%
Sub-Total: Retail Transmission			5.07			4.21	-0.86	-17.00%	3.09%
Sub-Total: Delivery			68.38			69.30	0.92	1.35%	50.85%
Wholesale Market Service Rate	565	0.0036	2.03	565	0.0036	2.03	0.00	0.00%	1.49%
Rural Rate Protection Charge	565	0.0013	0.73	565	0.0013	0.73	0.00	0.00%	0.54%
Ontario Electricity Support Program Charge	565	0.0011	0.62	565	0.0011	0.62	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%
Sub-Total: Regulatory			3.64			3.64	0.00	0.00%	2.67%
Debt Retirement Charge (DRC)	517	0.007	3.62	517	0.007	3.62	0.00	0.00%	2.66%
Total Electricity Charge on Two-Tier RPP (before HST)			128.89			129.81	0.92	0.71%	95.24%
HST		0.13	16.76		0.13	16.88	0.12	0.71%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			145.64			146.69	1.04	0.71%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.31		-0.08	-10.38	-0.07	0.71%	-7.62%
Total Amount on Two-Tier RPP			135.33			136.30	0.97	0.71%	100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 51 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.103	51.50	500	0.103	51.50	0.00	0.00%	39.02%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			51.50			51.50	0.00	0.00%	39.02%
Service Charge	1	4.33	4.33	1	4.77	4.77	0.44	10.16%	3.61%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	0.1044	52.20	500	0.107	53.50	1.30	2.49%	40.53%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0002	0.10	500	0.0002	0.10	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			56.63			58.37	1.74	3.07%	44.22%
Line Losses on Cost of Power	46	0.10	4.74	46	0.10	4.74	0.00	0.00%	3.59%
Sub-Total: Distribution			61.37			63.11	1.74	2.84%	47.81%
Retail Transmission Rate – Network Service Rate	546	0.0047	2.57	546	0.0038	2.09	-0.47	-18.35%	1.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0043	2.34	546	0.0036	1.98	-0.36	-15.52%	1.50%
Sub-Total: Retail Transmission			4.91			4.07	-0.83	-17.00%	3.09%
Sub-Total: Delivery			66.28			67.18	0.91	1.37%	50.90%
Wholesale Market Service Rate	546	0.0036	1.97	546	0.0036	1.97	0.00	0.00%	1.49%
Rural Rate Protection Charge	546	0.0013	0.71	546	0.0013	0.71	0.00	0.00%	0.54%
Ontario Electricity Support Program Charge	546	0.0011	0.60	546	0.0011	0.60	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%
Sub-Total: Regulatory			3.53			3.53	0.00	0.00%	2.67%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.65%
Total Electricity Charge on Two-Tier RPP (before HST)			124.80			125.71	0.91	0.73%	95.24%
HST		0.13	16.22		0.13	16.34	0.12	0.73%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			141.03			142.05	1.02	0.73%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.98		-0.08	-10.06	-0.07	0.73%	-7.62%
Total Amount on Two-Tier RPP			131.04			131.99	0.95	0.73%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 52 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.28%
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	27.95%
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	42.23%
Service Charge	1	4.33	4.33	1	4.77	4.77	0.44	10.16%	0.88%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.1044	208.80	2,000	0.107	214.00	5.20	2.49%	39.55%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			213.53			219.17	5.64	2.64%	40.50%
Line Losses on Cost of Power	184	0.12	22.26	184	0.12	22.26	0.00	0.00%	4.11%
Sub-Total: Distribution			235.79			241.43	5.64	2.39%	44.62%
Retail Transmission Rate – Network Service Rate	2,184	0.0047	10.26	2,184	0.0038	8.38	-1.88	-18.35%	1.55%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,184	0.0043	9.37	2,184	0.0036	7.91	-1.45	-15.52%	1.46%
Sub-Total: Retail Transmission			19.63			16.29	-3.34	-17.00%	3.01%
Sub-Total: Delivery			255.42			257.73	2.30	0.90%	47.63%
Wholesale Market Service Rate	2,184	0.0036	7.86	2,184	0.0036	7.86	0.00	0.00%	1.45%
Rural Rate Protection Charge	2,184	0.0021	4.59	2,184	0.0021	4.59	0.00	0.00%	0.85%
Ontario Electricity Support Program Charge	2,184	0.0011	2.40	2,184	0.0011	2.40	0.00	0.00%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			15.10			15.10	0.00	0.00%	2.79%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.59%
Total Electricity Charge on Two-Tier RPP (before HST)			513.02			515.33	2.30	0.45%	95.24%
HST		0.13	66.69		0.13	66.99	0.30	0.45%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			579.72			582.32	2.60	0.45%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-41.04		-0.08	-41.23	-0.18	0.45%	-7.62%
Total Amount on Two-Tier RPP			538.68			541.09	2.42	0.45%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AUR	WHSI_RES
Monthly Consumption (kWh)	350	350
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	370	365
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 53 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	44.35%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	44.35%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		23.41%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		9.29%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		13.41%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	47.96%	46.11%
Service Charge	1	29.98	29.98	1	30.76	30.76	0.78	2.60%	37.84%	36.38%
Fixed Acquisition Agreement Rider	1	-0.30	-0.30	1	0.00	0.00	0.30	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0.0000	0.00	350	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	350	0.0000	0.00	350	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			29.68			30.76	1.08	3.64%	37.84%	36.38%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.97%	0.93%
Line Losses on Cost of Power (based on two-tier RPP prices)	15	0.10	1.55	20	0.10	2.05	0.50	32.25%	2.53%	2.43%
Line Losses on Cost of Power (based on TOU prices)	15	0.11	1.68	20	0.11	2.22	0.54	32.25%	2.73%	2.63%
Sub-Total: Distribution (based on two-tier RPP prices)			32.02			33.60	1.58	4.94%	41.34%	39.75%
Sub-Total: Distribution (based on TOU prices)			32.15			33.77	1.62	5.04%	41.55%	39.95%
Retail Transmission Rate – Network Service Rate	365	0.0072	2.63	370	0.0073	2.70	0.07	2.74%	3.32%	3.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	365	0.0056	2.03	370	0.0062	2.29	0.26	12.82%	2.82%	2.71%
Sub-Total: Retail Transmission			4.66			4.99	0.33	7.13%	6.14%	5.91%
Sub-Total: Delivery (based on two-tier RPP prices)			36.69			38.60	1.91	5.22%	47.49%	45.66%
Sub-Total: Delivery (based on TOU prices)			36.81			38.77	1.95	5.31%	47.69%	45.85%
Wholesale Market Service Rate	365	0.0036	1.31	370	0.0036	1.33	0.02	1.33%	1.64%	1.58%
Rural Rate Protection Charge	365	0.0021	0.77	370	0.0021	0.78	0.01	1.33%	0.96%	0.92%
Ontario Electricity Support Program Charge	365	0.0011	0.40	370	0.0011	0.41	0.01	1.33%	0.50%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.31%	0.30%
Sub-Total: Regulatory			2.73			2.77	0.03	1.21%	3.40%	3.27%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			75.47			77.41	1.95	2.58%	95.24%	
HST		0.13	9.81		0.13	10.06	0.25	2.58%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			85.28			87.48	2.20	2.58%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.04		-0.08	-6.19	-0.16	2.58%	-7.62%	
Total Amount on Two-Tier RPP			79.24			81.29	2.04	2.58%	100.00%	
Total Electricity Charge on TOU (before HST)			78.53			80.52	1.99	2.53%		95.24%
HST		0.13	10.21		0.13	10.47	0.26	2.53%		12.38%
Total Electricity Charge on TOU (including HST)			88.74			90.99	2.25	2.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.28		-0.08	-6.44	-0.16	2.53%		-7.62%
Total Amount on TOU			82.46			84.54	2.09	2.53%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AUR	WHSI_RES
Monthly Consumption (kWh)	600	600
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	634	626
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 54 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	53.51%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			61.80			61.80	0.00	0.00%	53.51%	
TOU-Off Peak	390	0.087	33.93	390	0.087	33.93	0.00	0.00%		28.02%
TOU-Mid Peak	102	0.132	13.46	102	0.132	13.46	0.00	0.00%		11.12%
TOU-On Peak	108	0.180	19.44	108	0.180	19.44	0.00	0.00%		16.06%
Sub-Total: Energy (TOU)			66.83			66.83	0.00	0.00%	57.87%	55.20%
Service Charge	1	29.98	29.98	1	30.76	30.76	0.78	2.60%	26.63%	25.40%
Fixed Acquisition Agreement Rider	1	-0.30	-0.30	1	0.00	0.00	0.30	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	600	0.0000	0.00	600	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	600	0.0000	0.00	600	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			29.68			30.76	1.08	3.64%	26.63%	25.40%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.68%	0.65%
Line Losses on Cost of Power (based on two-tier RPP prices)	26	0.10	2.66	34	0.10	3.52	0.86	32.25%	3.05%	2.91%
Line Losses on Cost of Power (based on TOU prices)	26	0.11	2.88	34	0.11	3.81	0.93	32.25%	3.30%	3.15%
Sub-Total: Distribution (based on two-tier RPP prices)			33.13			35.07	1.94	5.85%	30.37%	28.97%
Sub-Total: Distribution (based on TOU prices)			33.35			35.36	2.01	6.02%	30.62%	29.20%
Retail Transmission Rate – Network Service Rate	626	0.0072	4.51	634	0.0073	4.63	0.12	2.74%	4.01%	3.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	626	0.0056	3.49	634	0.0062	3.93	0.45	12.82%	3.40%	3.25%
Sub-Total: Retail Transmission			7.99			8.56	0.57	7.13%	7.41%	7.07%
Sub-Total: Delivery (based on two-tier RPP prices)			41.13			43.63	2.51	6.10%	37.78%	36.04%
Sub-Total: Delivery (based on TOU prices)			41.34			43.92	2.58	6.24%	38.03%	36.27%
Wholesale Market Service Rate	626	0.0036	2.25	634	0.0036	2.28	0.03	1.33%	1.98%	1.89%
Rural Rate Protection Charge	626	0.0021	1.31	634	0.0021	1.33	0.02	1.33%	1.15%	1.10%
Ontario Electricity Support Program Charge	626	0.0011	0.69	634	0.0011	0.70	0.01	1.33%	0.60%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.21%
Sub-Total: Regulatory			4.51			4.56	0.06	1.26%	3.95%	3.77%
Debt Retirement Charge (DRC)	600	0.000	0.00	600	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			107.43			110.00	2.57	2.39%	95.24%	
HST		0.13	13.97		0.13	14.30	0.33	2.39%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			121.40			124.30	2.90	2.39%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.59		-0.08	-8.80	-0.21	2.39%	-7.62%	
Total Amount on Two-Tier RPP			112.80			115.50	2.69	2.39%	100.00%	
Total Electricity Charge on TOU (before HST)			112.68			115.32	2.64	2.34%		95.24%
HST		0.13	14.65		0.13	14.99	0.34	2.34%		12.38%
Total Electricity Charge on TOU (including HST)			127.33			130.31	2.98	2.34%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.01		-0.08	-9.23	-0.21	2.34%		-7.62%
Total Amount on TOU			118.32			121.08	2.77	2.34%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	AUR	WHSI_RES
Monthly Consumption (kWh)	750	750
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	793	782
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 55 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	44.25%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	13.00%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	57.24%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		29.66%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.77%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.99%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	59.82%	58.42%
Service Charge	1	29.98	29.98	1	30.76	30.76	0.78	2.60%	22.02%	21.51%
Fixed Acquisition Agreement Rider	1	-0.30	-0.30	1	0.00	0.00	0.30	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			29.68			30.76	1.08	3.64%	22.02%	21.51%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.57%	0.55%
Line Losses on Cost of Power (based on two-tier RPP prices)	32	0.12	3.91	43	0.12	5.17	1.26	32.25%	3.70%	3.62%
Line Losses on Cost of Power (based on TOU prices)	32	0.11	3.60	43	0.11	4.76	1.16	32.25%	3.41%	3.33%
Sub-Total: Distribution (based on two-tier RPP prices)			34.38			36.72	2.34	6.81%	26.29%	25.68%
Sub-Total: Distribution (based on TOU prices)			34.07			36.31	2.24	6.58%	26.00%	25.39%
Retail Transmission Rate – Network Service Rate	782	0.0072	5.63	793	0.0073	5.79	0.15	2.74%	4.14%	4.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	782	0.0056	4.36	793	0.0062	4.92	0.56	12.82%	3.52%	3.44%
Sub-Total: Retail Transmission			9.99			10.70	0.71	7.13%	7.66%	7.48%
Sub-Total: Delivery (based on two-tier RPP prices)			44.37			47.42	3.05	6.88%	33.96%	33.16%
Sub-Total: Delivery (based on TOU prices)			44.06			47.01	2.95	6.70%	33.66%	32.88%
Wholesale Market Service Rate	782	0.0036	2.82	793	0.0036	2.85	0.04	1.33%	2.04%	2.00%
Rural Rate Protection Charge	782	0.0021	1.64	793	0.0021	1.66	0.02	1.33%	1.19%	1.16%
Ontario Electricity Support Program Charge	782	0.0011	0.86	793	0.0011	0.87	0.01	1.33%	0.62%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%	0.17%
Sub-Total: Regulatory			5.57			5.64	0.07	1.27%	4.04%	3.94%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on Two-Tier RPP (before HST)			129.89			133.02	3.13	2.41%	95.24%	
HST		0.13	16.89		0.13	17.29	0.41	2.41%	12.38%	
Total Bill on Two-Tier RPP (including HST)			146.78			150.31	3.53	2.41%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.39		-0.08	-10.64	-0.25	2.41%	-7.62%	
Total Bill on Two-Tier RPP			136.39			139.67	3.28	2.41%	100.00%	
Total Bill on TOU (before HST)			133.17			136.20	3.02	2.27%		95.24%
HST		0.13	17.31		0.13	17.71	0.39	2.27%		12.38%
Total Bill on TOU (including HST)			150.48			153.90	3.42	2.27%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.65		-0.08	-10.90	-0.24	2.27%		-7.62%
Total Bill on TOU			139.83			143.01	3.18	2.27%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AUR	WHSI RES
Monthly Consumption (kWh)	1400	1400
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	1480	1460
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 56 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	25.58%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	40.07%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	65.65%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		33.26%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		13.20%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		19.06%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	64.55%	65.52%
Service Charge	1	29.98	29.98	1	30.76	30.76	0.78	2.60%	12.73%	12.92%
Fixed Acquisition Agreement Rider	1	-0.30	-0.30	1	0.00	0.00	0.30	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0.0000	0.00	1,400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	1,400	0.0000	0.00	1,400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			29.68			30.76	1.08	3.64%	12.73%	12.92%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.33%	0.33%
Line Losses on Cost of Power (based on two-tier RPP prices)	60	0.12	7.30	80	0.12	9.66	2.35	32.25%	4.00%	4.06%
Line Losses on Cost of Power (based on TOU prices)	60	0.11	6.72	80	0.11	8.89	2.17	32.25%	3.68%	3.73%
Sub-Total: Distribution (based on two-tier RPP prices)			37.77			41.21	3.43	9.09%	17.06%	17.31%
Sub-Total: Distribution (based on TOU prices)			37.19			40.44	3.25	8.73%	16.74%	16.99%
Retail Transmission Rate – Network Service Rate	1,460	0.0072	10.51	1,480	0.0073	10.80	0.29	2.74%	4.47%	4.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,460	0.0056	8.13	1,480	0.0062	9.17	1.04	12.82%	3.80%	3.85%
Sub-Total: Retail Transmission			18.65			19.98	1.33	7.13%	8.27%	8.39%
Sub-Total: Delivery (based on two-tier RPP prices)			56.42			61.18	4.77	8.45%	25.32%	25.71%
Sub-Total: Delivery (based on TOU prices)			55.84			60.42	4.58	8.20%	25.01%	25.38%
Wholesale Market Service Rate	1,460	0.0036	5.26	1,480	0.0036	5.33	0.07	1.33%	2.20%	2.24%
Rural Rate Protection Charge	1,460	0.0021	3.07	1,480	0.0021	3.11	0.04	1.33%	1.29%	1.31%
Ontario Electricity Support Program Charge	1,460	0.0011	1.61	1,480	0.0011	1.63	0.02	1.33%	0.67%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.11%
Sub-Total: Regulatory			10.18			10.31	0.13	1.30%	4.27%	4.33%
Debt Retirement Charge (DRC)	1,400	0.0000	0.00	1,400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			225.20			230.10	4.90	2.17%	95.24%	
HST		0.13	29.28		0.13	29.91	0.64	2.17%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			254.47			260.01	5.53	2.17%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.02		-0.08	-18.41	-0.39	2.17%	-7.62%	
Total Amount on Two-Tier RPP			236.46			241.60	5.14	2.17%	100.00%	
Total Electricity Charge on TOU (before HST)			221.96			226.67	4.71	2.12%		95.24%
HST		0.13	28.86		0.13	29.47	0.61	2.12%		12.38%
Total Electricity Charge on TOU (including HST)			250.82			256.14	5.32	2.12%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-17.76		-0.08	-18.13	-0.38	2.12%		-7.62%
Total Amount on TOU			233.06			238.01	4.95	2.12%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AUGe	WHSI GS<50
Monthly Consumption (kWh)	1000	1000
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1057	1043.1
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 57 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	39.12%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	15.32%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	54.44%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		28.14%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		11.17%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		16.12%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	56.41%	55.43%
Service Charge	1	25.19	25.19	1	30.24	30.24	5.05	20.05%	15.32%	15.05%
Fixed Acquisition Agreement Rider	1	-0.25	-0.25	1	0.00	0.00	0.25	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0145	14.50	1,000	0.0174	17.40	2.90	20.00%	8.81%	8.66%
Volumetric Acquisition Agreement Rider	1,000	-0.0002	-0.20	1,000	0.0000	0.00	0.20	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			39.24			47.64	8.40	21.41%	24.13%	23.71%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.40%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.22	57	0.12	6.90	1.68	32.25%	3.49%	3.43%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.80	57	0.11	6.35	1.55	32.25%	3.22%	3.16%
Sub-Total: Distribution (based on two-tier RPP prices)			45.25			55.33	10.08	22.28%	28.02%	27.53%
Sub-Total: Distribution (based on TOU prices)			44.83			54.78	9.95	22.19%	27.74%	27.26%
Retail Transmission Rate – Network Service Rate	1,043	0.0065	6.78	1,057	0.0056	5.92	-0.86	-12.70%	3.00%	2.95%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,043	0.0053	5.49	1,057	0.0046	4.86	-0.62	-11.37%	2.46%	2.42%
Sub-Total: Retail Transmission			12.27			10.78	-1.48	-12.11%	5.46%	5.37%
Sub-Total: Delivery (based on two-tier RPP prices)			57.51			66.11	8.60	14.95%	33.48%	32.90%
Sub-Total: Delivery (based on TOU prices)			57.10			65.56	8.46	14.82%	33.20%	32.62%
Wholesale Market Service Rate	1,043	0.0036	3.76	1,057	0.0036	3.81	0.05	1.33%	1.93%	1.89%
Rural Rate Protection Charge	1,043	0.0021	2.19	1,057	0.0021	2.22	0.03	1.33%	1.12%	1.10%
Ontario Electricity Support Program Charge	1,043	0.0011	1.15	1,057	0.0011	1.16	0.02	1.33%	0.59%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.12%
Sub-Total: Regulatory			7.34			7.44	0.09	1.29%	3.77%	3.70%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.55%	3.48%
Total Electricity Charge on Two-Tier RPP			179.35			188.05	8.69	4.85%	95.24%	
HST		0.13	23.32		0.13	24.45	1.13	4.85%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			202.67			212.49	9.82	4.85%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-14.35		-0.08	-15.04	-0.70	4.85%	-7.62%	
Total Amount on Two-Tier RPP			188.32			197.45	9.13	4.85%	100.00%	
Total Electricity Charge on TOU (before HST)			182.83			191.39	8.56	4.68%		95.24%
HST		0.13	23.77		0.13	24.88	1.11	4.68%		12.38%
Total Electricity Charge on TOU (including HST)			206.60			216.27	9.67	4.68%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-14.63		-0.08	-15.31	-0.68	4.68%		-7.62%
Total Amount on TOU			191.97			200.96	8.99	4.68%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AUGe	WHSI GS<50
Monthly Consumption (kWh)	2,695	2,695
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	2849	2811
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 58 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	15.44%	
Energy Second Tier (kWh)	1,945	0.121	235.35	1,945	0.121	235.35	0.00	0.00%	47.02%	
Sub-Total: Energy (RPP)			312.60			312.60	0.00	0.00%	62.46%	
TOU-Off Peak	1,752	0.087	152.40	1,752	0.087	152.40	0.00	0.00%		31.36%
TOU-Mid Peak	458	0.132	60.48	458	0.132	60.48	0.00	0.00%		12.45%
TOU-On Peak	485	0.180	87.32	485	0.180	87.32	0.00	0.00%		17.97%
Sub-Total: Energy (TOU)			300.20			300.20	0.00	0.00%	59.98%	61.78%
Service Charge	1	25.19	25.19	1	30.24	30.24	5.05	20.05%	6.04%	6.22%
Fixed Acquisition Agreement Rider	1	-0.25	-0.25	1	0.00	0.00	0.25	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	2,695	0.0145	39.08	2,695	0.0174	46.89	7.82	20.00%	9.37%	9.65%
Volumetric Acquisition Agreement Rider	2,695	-0.0002	-0.54	2,695	0.0000	0.00	0.54	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			63.48			77.13	13.65	21.51%	15.41%	15.87%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	116	0.12	14.05	154	0.12	18.59	4.53	32.25%	3.71%	3.83%
Line Losses on Cost of Power (based on TOU prices)	116	0.11	12.94	154	0.11	17.11	4.17	32.25%	3.42%	3.52%
Sub-Total: Distribution (based on two-tier RPP prices)			78.32			96.51	18.19	23.22%	19.28%	19.86%
Sub-Total: Distribution (based on TOU prices)			77.21			95.03	17.83	23.09%	18.99%	19.56%
Retail Transmission Rate – Network Service Rate	2,811	0.0065	18.27	2,849	0.0056	15.95	-2.32	-12.70%	3.19%	3.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,811	0.0053	14.79	2,849	0.0046	13.10	-1.68	-11.37%	2.62%	2.70%
Sub-Total: Retail Transmission			33.06			29.06	-4.00	-12.11%	5.81%	5.98%
Sub-Total: Delivery (based on two-tier RPP prices)			111.38			125.57	14.19	12.74%	25.09%	25.84%
Sub-Total: Delivery (based on TOU prices)			110.26			124.09	13.83	12.54%	24.79%	25.54%
Wholesale Market Service Rate	2,811	0.0036	10.12	2,849	0.0036	10.26	0.13	1.33%	2.05%	2.11%
Rural Rate Protection Charge	2,811	0.0021	5.90	2,849	0.0021	5.98	0.08	1.33%	1.20%	1.23%
Ontario Electricity Support Program Charge	2,811	0.0011	3.09	2,849	0.0011	3.13	0.04	1.33%	0.63%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			19.37			19.62	0.25	1.32%	3.92%	4.04%
Debt Retirement Charge (DRC)	2,695	0.007	18.87	2,695	0.007	18.87	0.00	0.00%	3.77%	3.88%
Total Electricity Charge on Two-Tier RPP			462.21			476.65	14.44	3.12%	95.24%	
HST		0.13	60.09		0.13	61.96	1.88	3.12%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			522.29			538.61	16.32	3.12%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.98		-0.08	-38.13	-1.16	3.12%	-7.62%	
Total Amount on Two-Tier RPP			485.32			500.48	15.16	3.12%	100.00%	
Total Electricity Charge on TOU (before HST)			448.69			462.77	14.08	3.14%		95.24%
HST		0.13	58.33		0.13	60.16	1.83	3.14%		12.38%
Total Electricity Charge on TOU (including HST)			507.02			522.93	15.91	3.14%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.90		-0.08	-37.02	-1.13	3.14%		-7.62%
Total Amount on TOU			471.13			485.91	14.78	3.14%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	AUGe	WHSI_GS<50
Monthly Consumption (kWh)	2,000	2,000
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	2114	2086.2
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 59 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	20.53%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	40.20%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	60.73%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		30.64%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		12.16%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		17.56%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	59.21%	60.36%
Service Charge	1	25.19	25.19	1	30.24	30.24	5.05	20.05%	8.04%	8.19%
Fixed Acquisition Agreement Rider	1	-0.25	-0.25	1	0.00	0.00	0.25	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0145	29.00	2,000	0.0174	34.80	5.80	20.00%	9.25%	9.43%
Volumetric Acquisition Agreement Rider	2,000	-0.0002	-0.40	2,000	0.0000	0.00	0.40	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.54			65.04	11.50	21.48%	17.29%	17.62%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.21%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	86	0.12	10.43	114	0.12	13.79	3.36	32.25%	3.67%	3.74%
Line Losses on Cost of Power (based on TOU prices)	86	0.11	9.60	114	0.11	12.70	3.10	32.25%	3.38%	3.44%
Sub-Total: Distribution (based on two-tier RPP prices)			64.76			79.62	14.86	22.95%	21.16%	21.57%
Sub-Total: Distribution (based on TOU prices)			63.93			78.53	14.60	22.83%	20.87%	21.28%
Retail Transmission Rate – Network Service Rate	2,086	0.0065	13.56	2,114	0.0056	11.84	-1.72	-12.70%	3.15%	3.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,086	0.0053	10.97	2,114	0.0046	9.72	-1.25	-11.37%	2.58%	2.63%
Sub-Total: Retail Transmission			24.53			21.56	-2.97	-12.11%	5.73%	5.84%
Sub-Total: Delivery (based on two-tier RPP prices)			89.29			101.19	11.89	13.32%	26.90%	27.42%
Sub-Total: Delivery (based on TOU prices)			88.46			100.09	11.63	13.14%	26.60%	27.12%
Wholesale Market Service Rate	2,086	0.0036	7.51	2,114	0.0036	7.61	0.10	1.33%	2.02%	2.06%
Rural Rate Protection Charge	2,086	0.0021	4.38	2,114	0.0021	4.44	0.06	1.33%	1.18%	1.20%
Ontario Electricity Support Program Charge	2,086	0.0011	2.29	2,114	0.0011	2.33	0.03	1.33%	0.62%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			14.44			14.63	0.19	1.31%	3.89%	3.96%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.72%	3.79%
Total Electricity Charge on Two-Tier RPP			346.23			358.31	12.08	3.49%	95.24%	
HST		0.13	45.01		0.13	46.58	1.57	3.49%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			391.24			404.89	13.65	3.49%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-27.70		-0.08	-28.66	-0.97	3.49%	-7.62%	
Total Amount on Two-Tier RPP			363.54			376.23	12.69	3.49%	100.00%	
Total Electricity Charge on TOU (before HST)			339.68			351.50	11.82	3.48%		95.24%
HST		0.13	44.16		0.13	45.69	1.54	3.48%	12.38%	
Total Electricity Charge on TOU (including HST)			383.84			397.19	13.35	3.48%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-27.17		-0.08	-28.12	-0.95	3.48%	-7.62%	
Total Amount on TOU			356.66			369.07	12.41	3.48%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AUGe	WHSI GS<50
Monthly Consumption (kWh)	15000	15000
Peak (kW)	0	0
Loss factor	1.057	1.0431
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	15855	15647
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 60 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.86%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	63.85%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	66.71%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		33.21%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		13.18%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		19.02%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	61.88%	65.41%
Service Charge	1	25.19	25.19	1	30.24	30.24	5.05	20.05%	1.12%	1.18%
Fixed Acquisition Agreement Rider	1	-0.25	-0.25	1	0.00	0.00	0.25	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0145	217.50	15,000	0.0174	261.00	43.50	20.00%	9.67%	10.22%
Volumetric Acquisition Agreement Rider	15,000	-0.0002	-3.00	15,000	0.0000	0.00	3.00	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			239.44			291.24	51.80	21.63%	10.79%	11.40%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	646	0.12	78.23	855	0.12	103.46	25.23	32.25%	3.83%	4.05%
Line Losses on Cost of Power (based on TOU prices)	646	0.11	72.01	855	0.11	95.24	23.22	32.25%	3.53%	3.73%
Sub-Total: Distribution (based on two-tier RPP prices)			318.46			395.49	77.03	24.19%	14.65%	15.48%
Sub-Total: Distribution (based on TOU prices)			312.24			387.27	75.02	24.03%	14.34%	15.16%
Retail Transmission Rate – Network Service Rate	15,647	0.0065	101.70	15,855	0.0056	88.79	-12.91	-12.70%	3.29%	3.48%
Retail Transmission Rate – Line and Transformation Connection Service Rate	15,647	0.0053	82.29	15,855	0.0046	72.93	-9.36	-11.37%	2.70%	2.86%
Sub-Total: Retail Transmission			184.00			161.72	-22.27	-12.11%	5.99%	6.33%
Sub-Total: Delivery (based on two-tier RPP prices)			502.45			557.21	54.75	10.90%	20.63%	21.81%
Sub-Total: Delivery (based on TOU prices)			496.24			548.99	52.75	10.63%	20.33%	21.49%
Wholesale Market Service Rate	15,647	0.0036	56.33	15,855	0.0036	57.08	0.75	1.33%	2.11%	2.23%
Rural Rate Protection Charge	15,647	0.0021	32.86	15,855	0.0021	33.30	0.44	1.33%	1.23%	1.30%
Ontario Electricity Support Program Charge	15,647	0.0011	17.21	15,855	0.0011	17.44	0.23	1.33%	0.65%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			106.65			108.06	1.42	1.33%	4.00%	4.23%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.89%	4.11%
Total Electricity Charge on Two-Tier RPP			2,515.60			2,571.77	56.17	2.23%	95.24%	
HST		0.13	327.03		0.13	334.33	7.30	2.23%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			2,842.63			2,906.10	63.47	2.23%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-201.25		-0.08	-205.74	-4.49	2.23%	-7.62%	
Total Amount on Two-Tier RPP			2,641.38			2,700.36	58.98	2.23%	100.00%	
Total Electricity Charge on TOU (before HST)			2,378.73			2,432.90	54.17	2.28%		95.24%
HST		0.13	309.24		0.13	316.28	7.04	2.28%		12.38%
Total Electricity Charge on TOU (including HST)			2,687.97			2,749.18	61.21	2.28%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-190.30		-0.08	-194.63	-4.33	2.28%		-7.62%
Total Amount on TOU			2,497.67			2,554.55	56.88	2.28%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AUGd	WHSI_GS 50>999
Monthly Consumption (kWh)	15,000	15,000
Peak (kW)	60	60
Loss factor	1.047	1.043
Load factor	34%	34%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	15,698	15,647
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 61 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,647	0.103	1,611.59	15,698	0.103	1,616.84	5.25	0.33%	57.87%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,611.59			1,616.84	5.25	0.33%	57.87%
Service Charge	1	139.96	139.96	1	209.83	209.83	69.87	49.92%	7.51%
Fixed Acquisition Agreement Rider	1	-1.40	-1.40	1	0.00	0.00	1.40	-100.00%	0.00%
Distribution Volumetric Rate	60	2.5777	154.66	60	3.8600	231.60	76.94	49.75%	8.29%
Variable Acquisition Agreement Rider	60	-0.0258	-1.55	60	0.0000	0.00	1.55	-100.00%	0.00%
Sub-Total: Distribution			291.67			441.43	149.76	51.34%	15.80%
Retail Transmission Rate – Network Service Rate	60	2.7931	167.59	60	1.8612	111.67	-55.91	-33.36%	4.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	2.2465	134.79	60	1.5062	90.37	-44.42	-32.95%	3.23%
Sub-Total: Retail Transmission			302.38			202.04	-100.33	-33.18%	7.23%
Sub-Total: Delivery			594.05			643.47	49.42	8.32%	23.03%
Wholesale Market Service Rate	15,647	0.0036	56.33	15,698	0.0036	56.51	0.18	0.33%	2.02%
Rural Rate Protection Charge	15,647	0.0021	32.86	15,698	0.0021	32.96	0.11	0.33%	1.18%
Ontario Electricity Support Program Charge	15,647	0.0011	17.21	15,698	0.0011	17.27	0.06	0.33%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			106.65			106.99	0.35	0.33%	3.83%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.76%
Total Electricity Charge on Two-Tier RPP (before HST)			2,417.29			2,472.31	55.02	2.28%	88.50%
HST		0.13	314.25		0.13	321.40	7.15	2.28%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,731.54			2,793.71	62.17	2.28%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,731.54			2,793.71	62.17	2.28%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AUGd	WHSI_GS 50>999
Monthly Consumption (kWh)	61,239	61,239
Peak (kW)	177	177
Loss factor	1.047	1.043
Load factor	47%	47%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	64,087	63,878
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 62 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	63,878	0.103	6,579.48	64,087	0.103	6,600.92	21.45	0.33%	65.23%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			6,579.48			6,600.92	21.45	0.33%	65.23%
Service Charge	1	139.96	139.96	1	209.83	209.83	69.87	49.92%	2.07%
Fixed Acquisition Agreement Rider	1	-1.40	-1.40	1	0.00	0.00	1.40	-100.00%	0.00%
Distribution Volumetric Rate	177	2.5777	456.25	177	3.8600	683.22	226.97	49.75%	6.75%
Variable Acquisition Agreement Rider	177	-0.0258	-4.57	177	0.0000	0.00	4.57	-100.00%	0.00%
Sub-Total: Distribution			590.25			893.05	302.80	51.30%	8.83%
Retail Transmission Rate – Network Service Rate	177	2.7931	494.38	177	1.8612	329.43	-164.95	-33.36%	3.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	177	2.2465	397.64	177	1.5062	266.60	-131.04	-32.95%	2.63%
Sub-Total: Retail Transmission			892.01			596.03	-295.99	-33.18%	5.89%
Sub-Total: Delivery			1,482.26			1,489.08	6.82	0.46%	14.72%
Wholesale Market Service Rate	63,878	0.0036	229.96	64,087	0.0036	230.71	0.75	0.33%	2.28%
Rural Rate Protection Charge	63,878	0.0021	134.14	64,087	0.0021	134.58	0.44	0.33%	1.33%
Ontario Electricity Support Program Charge	63,878	0.0011	70.27	64,087	0.0011	70.50	0.23	0.33%	0.70%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			434.62			436.04	1.42	0.33%	4.31%
Debt Retirement Charge (DRC)	61,239	0.007	428.67	61,239	0.007	428.67	0.00	0.00%	4.24%
Total Electricity Charge on Two-Tier RPP (before HST)			8,925.03			8,954.71	29.68	0.33%	88.50%
HST		0.13	1,160.25		0.13	1,164.11	3.86	0.33%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			10,085.29			10,118.83	33.54	0.33%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			10,085.29			10,118.83	33.54	0.33%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AUGd	WHSI_GS 50>999
Monthly Consumption (kWh)	175,000	175,000
Peak (kW)	500	500
Loss factor	1.047	1.043
Load factor	48%	48%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	183,138	182,543
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 63 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	182,543	0.103	18,801.88	183,138	0.103	18,863.16	61.29	0.33%	66.35%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,801.88			18,863.16	61.29	0.33%	66.35%
Service Charge	1	139.96	139.96	1	209.83	209.83	69.87	49.92%	0.74%
Fixed Acquisition Agreement Rider	1	-1.40	-1.40	1	0.00	0.00	1.40	-100.00%	0.00%
Distribution Volumetric Rate	500	2.5777	1,288.85	500	3.8600	1,930.00	641.15	49.75%	6.79%
Variable Acquisition Agreement Rider	500	-0.0258	-12.90	500	0.0000	0.00	12.90	-100.00%	0.00%
Sub-Total: Distribution			1,414.51			2,139.83	725.32	51.28%	7.53%
Retail Transmission Rate – Network Service Rate	500	2.7931	1,396.55	500	1.8612	930.60	-465.95	-33.36%	3.27%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.2465	1,123.27	500	1.5062	753.10	-370.17	-32.95%	2.65%
Sub-Total: Retail Transmission			2,519.82			1,683.70	-836.12	-33.18%	5.92%
Sub-Total: Delivery			3,934.33			3,823.53	-110.80	-2.82%	13.45%
Wholesale Market Service Rate	182,543	0.0036	657.15	183,138	0.0036	659.30	2.14	0.33%	2.32%
Rural Rate Protection Charge	182,543	0.0021	383.34	183,138	0.0021	384.59	1.25	0.33%	1.35%
Ontario Electricity Support Program Charge	182,543	0.0011	200.80	183,138	0.0011	201.45	0.65	0.33%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,241.54			1,245.59	4.05	0.33%	4.38%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.31%
Total Electricity Charge on Two-Tier RPP (before HST)			25,202.74			25,157.28	-45.46	-0.18%	88.50%
HST		0.13	3,276.36		0.13	3,270.45	-5.91	-0.18%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			28,479.10			28,427.72	-51.38	-0.18%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			28,479.10			28,427.72	-51.38	-0.18%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	ST	WHSI_GS >1,000kW
Monthly Consumption (kWh)	200,000	200,000
Peak (kW)	500	500
Loss factor	1.034	1.033
Load factor	55%	55%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	206,800	206,520
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 64 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,520	0.103	21,271.56	206,800	0.103	21,300.40	28.84	0.14%	63.41%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			21,271.56			21,300.40	28.84	0.14%	63.41%
Service Charge	1	518.85	518.85	1	1269.2	1,269.20	750.35	144.62%	3.78%
Fixed Acquisition Rider	1	-5.19	-5.19	1	0.00	0.00	5.19	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	3.83	3.83	3.83	0.00%	0.01%
Distribution Volumetric Rate	500	2.7398	1,369.90	500	1.4475425	723.77	-646.13	-47.17%	2.15%
Volumetric Acquisition Rider	500	-0.0274	-13.70	500	0.0000	0.00	13.70	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0000	0.00	500	0.2729	136.45	136.45	0.00%	0.41%
Volumetric Global Adjustment Rider	206,520	0.0000	0.00	206,800	0.0019	392.92	392.92	0.00%	1.17%
Sub-Total: Distribution			1,869.86			2,526.17	656.31	35.10%	7.52%
Retail Transmission Rate – Network Service Rate	500	2.7931	1,396.55	500	3.5367	1,768.35	371.80	26.62%	5.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.2465	1,123.27	500	2.6514	1,325.70	202.43	18.02%	3.95%
Sub-Total: Retail Transmission			2,519.82			3,094.05	574.23	22.79%	9.21%
Sub-Total: Delivery			4,389.68			5,620.22	1,230.55	28.03%	16.73%
Wholesale Market Service Rate	206,520	0.0036	743.47	206,800	0.0036	744.48	1.01	0.14%	2.22%
Rural Rate Protection Charge	206,520	0.0021	433.69	206,800	0.0021	434.28	0.59	0.14%	1.29%
Ontario Electricity Support Program Charge	206,520	0.0011	227.17	206,800	0.0011	227.48	0.31	0.14%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,404.59			1,406.49	1.90	0.14%	4.19%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.17%
Total Electricity Charge on Two-Tier RPP (before HST)			28,465.82			29,727.11	1,261.29	4.43%	88.50%
HST		0.13	3,700.56		0.13	3,864.52	163.97	4.43%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			32,166.38			33,591.64	1,425.26	4.43%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			32,166.38			33,591.64	1,425.26	4.43%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	ST	WHSI_GS >1,000kW
Monthly Consumption (kWh)	1,037,334	1,037,334
Peak (kW)	50,794	50,794
Loss factor	1.034	1.004
Load factor	3%	3%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	1,072,603	1,041,898
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 65 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,041,898	0.103	107,315.51	1,072,603	0.103	110,478.14	3,162.62	2.95%	18.44%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			107,315.51			110,478.14	3,162.62	2.95%	18.44%
Service Charge	1	518.85	518.85	1	1269.2	1,269.20	750.35	144.62%	0.21%
Fixed Acquisition Rider	1	-5.19	-5.19	1	0.00	0.00	5.19	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	3.83	3.83	3.83	0.00%	0.00%
Distribution Volumetric Rate	50,794	2.7398	139,166.22	50,794	1.4475425	73,526.90	-65,639.31	-47.17%	12.28%
Volumetric Acquisition Rider	50,794	-0.0274	-1,391.76	50,794	0.0000	0.00	1,391.76	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	50,794	0.0000	0.00	50,794	0.2729	13,861.76	13,861.76	0.00%	2.31%
Volumetric Global Adjustment Rider	1,041,898	0.0000	0.00	1,072,603	0.0019	2,037.95	2,037.95	0.00%	0.34%
Sub-Total: Distribution			138,288.11			90,699.64	-47,588.47	-34.41%	15.14%
Retail Transmission Rate – Network Service Rate	50,794	2.7931	141,873.55	50,794	3.5367	179,644.19	37,770.64	26.62%	29.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	50,794	2.2465	114,111.01	50,794	2.6514	134,676.00	20,564.99	18.02%	22.48%
Sub-Total: Retail Transmission			255,984.56			314,320.19	58,335.63	22.79%	52.48%
Sub-Total: Delivery			394,272.68			405,019.84	10,747.16	2.73%	67.62%
Wholesale Market Service Rate	1,041,898	0.0036	3,750.83	1,072,603	0.0036	3,861.37	110.54	2.95%	0.64%
Rural Rate Protection Charge	1,041,898	0.0021	2,187.99	1,072,603	0.0021	2,252.47	64.48	2.95%	0.38%
Ontario Electricity Support Program Charge	1,041,898	0.0011	1,146.09	1,072,603	0.0011	1,179.86	33.78	2.95%	0.20%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			7,085.16			7,293.95	208.79	2.95%	1.22%
Debt Retirement Charge (DRC)	1,037,334	0.007	7,261.34	1,037,334	0.007	7,261.34	0.00	0.00%	1.21%
Total Electricity Charge on Two-Tier RPP (before HST)			515,934.69			530,053.26	14,118.58	2.74%	88.50%
HST		0.13	67,071.51		0.13	68,906.92	1,835.42	2.74%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			583,006.19			598,960.19	15,953.99	2.74%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			583,006.19			598,960.19	15,953.99	2.74%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	ST	WHSI_GS >1,000kW
Monthly Consumption (kWh)	4,000,000	4,000,000
Peak (kW)	10,000	10,000
Loss factor	1.034	1.0044
Load factor	55%	55%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	4,136,000	4,017,600
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 66 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,017,600	0.103	413,812.80	4,136,000	0.103	426,008.00	12,195.20	2.95%	66.10%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			413,812.80			426,008.00	12,195.20	2.95%	66.10%
Service Charge	1	518.85	518.85	1	1269.2	1,269.20	750.35	144.62%	0.20%
Fixed Acquisition Rider	1	-5.19	-5.19	1	0.00	0.00	5.19	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	3.83	3.83	3.83	0.00%	0.00%
Distribution Volumetric Rate	10,000	2.7398	27,398.00	10,000	1.4475425	14,475.42	-12,922.58	-47.17%	2.25%
Volumetric Acquisition Rider	10,000	-0.0274	-274.00	10,000	0.0000	0.00	274.00	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0.0000	0.00	10,000	0.2729	2,729.00	2,729.00	0.00%	0.42%
Volumetric Global Adjustment Rider	4,017,600	0.0000	0.00	4,136,000	0.0019	7,858.40	7,858.40	0.00%	1.22%
Sub-Total: Distribution			27,637.66			26,335.85	-1,301.81	-4.71%	4.09%
Retail Transmission Rate – Network Service Rate	10,000	2.7931	27,931.00	10,000	3.5367	35,367.00	7,436.00	26.62%	5.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.2465	22,465.32	10,000	2.6514	26,514.00	4,048.68	18.02%	4.11%
Sub-Total: Retail Transmission			50,396.32			61,881.00	11,484.68	22.79%	9.60%
Sub-Total: Delivery			78,033.98			88,216.85	10,182.88	13.05%	13.69%
Wholesale Market Service Rate	4,017,600	0.0036	14,463.36	4,136,000	0.0036	14,889.60	426.24	2.95%	2.31%
Rural Rate Protection Charge	4,017,600	0.0021	8,436.96	4,136,000	0.0021	8,685.60	248.64	2.95%	1.35%
Ontario Electricity Support Program Charge	4,017,600	0.0011	4,419.36	4,136,000	0.0011	4,549.60	130.24	2.95%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			27,319.93			28,125.05	805.12	2.95%	4.36%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.34%
Total Electricity Charge on Two-Tier RPP (before HST)			547,166.71			570,349.90	23,183.20	4.24%	88.50%
HST		0.13	71,131.67		0.13	74,145.49	3,013.82	4.24%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			618,298.38			644,495.39	26,197.01	4.24%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			618,298.38			644,495.39	26,197.01	4.24%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AR	NPDI RES
Monthly Consumption (kWh)	400	400
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	427	423
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 67 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	41.94%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	41.94%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		22.18%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		8.80%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		12.71%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	45.36%	43.68%
Service Charge	1	36.78	36.78	1	40.08	40.08	3.30	8.97%	40.80%	39.30%
Fixed Acquisition Agreement Rider	1	-0.55	-0.55	1	0.00	0.00	0.55	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.0000	0.00	400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	400	0.0009	0.36	400	0.0000	0.00	-0.36	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	400	0.0000	0.00	400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			36.59			40.08	3.49	9.54%	40.80%	39.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.80%	0.77%
Line Losses on Cost of Power (based on two-tier RPP prices)	23	0.10	2.32	27	0.10	2.75	0.42	18.26%	2.80%	2.69%
Line Losses on Cost of Power (based on TOU prices)	23	0.11	2.51	27	0.11	2.97	0.46	18.26%	3.03%	2.91%
Sub-Total: Distribution (based on two-tier RPP prices)			39.70			43.62	3.91	9.86%	44.40%	42.76%
Sub-Total: Distribution (based on TOU prices)			39.89			43.84	3.95	9.90%	44.63%	42.98%
Retail Transmission Rate – Network Service Rate	423	0.0068	2.87	427	0.0071	3.03	0.16	5.43%	3.08%	2.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	423	0.0036	1.52	427	0.006	2.56	1.04	68.29%	2.61%	2.51%
Sub-Total: Retail Transmission			4.39			5.59	1.19	27.19%	5.69%	5.48%
Sub-Total: Delivery (based on two-tier RPP prices)			44.10			49.21	5.11	11.59%	50.09%	48.24%
Sub-Total: Delivery (based on TOU prices)			44.29			49.43	5.14	11.61%	50.32%	48.46%
Wholesale Market Service Rate	423	0.0036	1.52	427	0.0036	1.54	0.01	0.98%	1.56%	1.51%
Rural Rate Protection Charge	423	0.0021	0.89	427	0.0021	0.90	0.01	0.98%	0.91%	0.88%
Ontario Electricity Support Program Charge	423	0.0011	0.46	427	0.0011	0.47	0.00	0.98%	0.48%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.25%	0.25%
Sub-Total: Regulatory			3.12			3.15	0.03	0.90%	3.21%	3.09%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			88.42			93.56	5.14	5.81%	95.24%	
HST		0.13	11.49		0.13	12.16	0.67	5.81%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			99.92			105.72	5.81	5.81%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.07		-0.08	-7.48	-0.41	5.81%	-7.62%	
Total Amount on Two-Tier RPP			92.84			98.24	5.39	5.81%	100.00%	
Total Electricity Charge on TOU (before HST)			91.97			97.14	5.17	5.62%		95.24%
HST		0.13	11.96		0.13	12.63	0.67	5.62%		12.38%
Total Electricity Charge on TOU (including HST)			103.92			109.77	5.84	5.62%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.36		-0.08	-7.77	-0.41	5.62%		-7.62%
Total Amount on TOU			96.57			102.00	5.43	5.62%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AR	NPDI RES
Monthly Consumption (kWh)	570	570
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	608	602
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 68 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	570	0.103	58.71	570	0.103	58.71	0.00	0.00%	48.27%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			58.71			58.71	0.00	0.00%	48.27%	
TOU-Off Peak	370	0.087	32.23	370	0.087	32.23	0.00	0.00%		25.38%
TOU-Mid Peak	97	0.132	12.79	97	0.132	12.79	0.00	0.00%		10.07%
TOU-On Peak	103	0.180	18.47	103	0.180	18.47	0.00	0.00%		14.54%
Sub-Total: Energy (TOU)			63.49			63.49	0.00	0.00%	52.20%	50.00%
Service Charge	1	36.78	36.78	1	40.08	40.08	3.30	8.97%	32.95%	31.56%
Fixed Acquisition Agreement Rider	1	-0.55	-0.55	1	0.00	0.00	0.55	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	570	0.0000	0.00	570	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	570	0.0009	0.51	570	0.0000	0.00	-0.51	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	570	0.0000	0.00	570	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			36.74			40.08	3.34	9.08%	32.95%	31.56%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.65%	0.62%
Line Losses on Cost of Power (based on two-tier RPP prices)	32	0.10	3.31	38	0.10	3.92	0.60	18.26%	3.22%	3.08%
Line Losses on Cost of Power (based on TOU prices)	32	0.11	3.58	38	0.11	4.23	0.65	18.26%	3.48%	3.33%
Sub-Total: Distribution (based on two-tier RPP prices)			40.84			44.79	3.94	9.65%	36.82%	35.27%
Sub-Total: Distribution (based on TOU prices)			41.11			45.10	3.99	9.71%	37.08%	35.52%
Retail Transmission Rate – Network Service Rate	602	0.0068	4.09	608	0.0071	4.32	0.22	5.43%	3.55%	3.40%
Retail Transmission Rate – Line and Transformation Connection Service Rate	602	0.0036	2.17	608	0.006	3.65	1.48	68.29%	3.00%	2.87%
Sub-Total: Retail Transmission			6.26			7.96	1.70	27.19%	6.55%	6.27%
Sub-Total: Delivery (based on two-tier RPP prices)			47.11			52.75	5.64	11.98%	43.37%	41.54%
Sub-Total: Delivery (based on TOU prices)			47.38			53.07	5.69	12.02%	43.63%	41.79%
Wholesale Market Service Rate	602	0.0036	2.17	608	0.0036	2.19	0.02	0.98%	1.80%	1.72%
Rural Rate Protection Charge	602	0.0021	1.26	608	0.0021	1.28	0.01	0.98%	1.05%	1.01%
Ontario Electricity Support Program Charge	602	0.0011	0.66	608	0.0011	0.67	0.01	0.98%	0.55%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			4.34			4.38	0.04	0.92%	3.60%	3.45%
Debt Retirement Charge (DRC)	570	0.0000	0.00	570	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			110.16			115.84	5.68	5.16%	95.24%	
HST		0.13	14.32		0.13	15.06	0.74	5.16%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			124.48			130.90	6.42	5.16%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.81		-0.08	-9.27	-0.45	5.16%	-7.62%	
Total Amount on Two-Tier RPP			115.67			121.63	5.97	5.16%	100.00%	
Total Electricity Charge on TOU (before HST)			115.21			120.94	5.73	4.98%		95.24%
HST		0.13	14.98		0.13	15.72	0.75	4.98%		12.38%
Total Electricity Charge on TOU (including HST)			130.19			136.67	6.48	4.98%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.22		-0.08	-9.68	-0.46	4.98%		-7.62%
Total Amount on TOU			120.97			126.99	6.02	4.98%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	AR	NPDI_RES
Monthly Consumption (kWh)	750	750
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	800	792
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 69 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	41.15%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.08%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	53.23%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		27.64%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		10.97%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		15.83%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	55.62%	54.44%
Service Charge	1	36.78	36.78	1	40.08	40.08	3.30	8.97%	26.69%	26.12%
Fixed Acquisition Agreement Rider	1	-0.55	-0.55	1	0.00	0.00	0.55	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	750	0.0009	0.68	750	0.0000	0.00	-0.68	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			36.91			40.08	3.18	8.60%	26.69%	26.12%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.53%	0.51%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.12	5.12	50	0.12	6.05	0.93	18.26%	4.03%	3.94%
Line Losses on Cost of Power (based on TOU prices)	42	0.11	4.71	50	0.11	5.57	0.86	18.26%	3.71%	3.63%
Sub-Total: Distribution (based on two-tier RPP prices)			42.81			46.92	4.11	9.60%	31.24%	30.58%
Sub-Total: Distribution (based on TOU prices)			42.41			46.44	4.04	9.52%	30.92%	30.26%
Retail Transmission Rate – Network Service Rate	792	0.0068	5.39	800	0.0071	5.68	0.29	5.43%	3.78%	3.70%
Retail Transmission Rate – Line and Transformation Connection Service Rate	792	0.0036	2.85	800	0.006	4.80	1.95	68.29%	3.20%	3.13%
Sub-Total: Retail Transmission			8.24			10.48	2.24	27.19%	6.98%	6.83%
Sub-Total: Delivery (based on two-tier RPP prices)			51.05			57.40	6.35	12.44%	38.22%	37.41%
Sub-Total: Delivery (based on TOU prices)			50.65			56.92	6.28	12.39%	37.90%	37.09%
Wholesale Market Service Rate	792	0.0036	2.85	800	0.0036	2.88	0.03	0.98%	1.92%	1.88%
Rural Rate Protection Charge	792	0.0021	1.66	800	0.0021	1.68	0.02	0.98%	1.12%	1.09%
Ontario Electricity Support Program Charge	792	0.0011	0.87	800	0.0011	0.88	0.01	0.98%	0.59%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.16%
Sub-Total: Regulatory			5.64			5.69	0.05	0.93%	3.79%	3.71%
Debt Retirement Charge (DRC)	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			136.64			143.04	6.40	4.69%	95.24%	
HST		0.13	17.76		0.13	18.60	0.83	4.69%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			154.40			161.64	7.24	4.69%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.93		-0.08	-11.44	-0.51	4.69%	-7.62%	
Total Amount on Two-Tier RPP			143.47			150.20	6.72	4.69%	100.00%	
Total Electricity Charge on TOU (before HST)			139.83			146.16	6.33	4.53%		95.24%
HST		0.13	18.18		0.13	19.00	0.82	4.53%		12.38%
Total Electricity Charge on TOU (including HST)			158.00			165.16	7.15	4.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.19		-0.08	-11.69	-0.51	4.53%		-7.62%
Total Amount on TOU			146.82			153.46	6.64	4.53%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AR	NPDI RES
Monthly Consumption (kWh)	1800	1800
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	1920	1902
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 70 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	19.56%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	45.96%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	65.53%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		33.06%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		13.12%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		18.94%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	63.47%	65.13%
Service Charge	1	36.78	36.78	1	40.08	40.08	3.30	8.97%	12.69%	13.02%
Fixed Acquisition Agreement Rider	1	-0.55	-0.55	1	0.00	0.00	0.55	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	1,800	0.0009	1.62	1,800	0.0000	0.00	-1.62	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			37.85			40.08	2.23	5.89%	12.69%	13.02%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.25%	0.26%
Line Losses on Cost of Power (based on two-tier RPP prices)	102	0.12	12.28	120	0.12	14.53	2.24	18.26%	4.60%	4.72%
Line Losses on Cost of Power (based on TOU prices)	102	0.11	11.31	120	0.11	13.37	2.07	18.26%	4.23%	4.34%
Sub-Total: Distribution (based on two-tier RPP prices)			50.92			55.40	4.47	8.78%	17.54%	17.99%
Sub-Total: Distribution (based on TOU prices)			49.95			54.24	4.30	8.60%	17.17%	17.62%
Retail Transmission Rate – Network Service Rate	1,902	0.0068	12.93	1,920	0.0071	13.63	0.70	5.43%	4.32%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,902	0.0036	6.85	1,920	0.006	11.52	4.67	68.29%	3.65%	3.74%
Sub-Total: Retail Transmission			19.78			25.15	5.38	27.19%	7.96%	8.17%
Sub-Total: Delivery (based on two-tier RPP prices)			70.70			80.55	9.85	13.93%	25.50%	26.16%
Sub-Total: Delivery (based on TOU prices)			69.72			79.40	9.67	13.87%	25.13%	25.79%
Wholesale Market Service Rate	1,902	0.0036	6.85	1,920	0.0036	6.91	0.07	0.98%	2.19%	2.25%
Rural Rate Protection Charge	1,902	0.0021	3.99	1,920	0.0021	4.03	0.04	0.98%	1.28%	1.31%
Ontario Electricity Support Program Charge	1,902	0.0011	2.09	1,920	0.0011	2.11	0.02	0.98%	0.67%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			13.18			13.31	0.13	0.96%	4.21%	4.32%
Debt Retirement Charge (DRC)	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			290.88			300.86	9.98	3.43%	95.24%	
HST		0.13	37.81		0.13	39.11	1.30	3.43%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			328.69			339.97	11.27	3.43%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-23.27		-0.08	-24.07	-0.80	3.43%	-7.62%	
Total Amount on Two-Tier RPP			305.42			315.90	10.48	3.43%	100.00%	
Total Electricity Charge on TOU (before HST)			283.41			293.20	9.80	3.46%		95.24%
HST		0.13	36.84		0.13	38.12	1.27	3.46%		12.38%
Total Electricity Charge on TOU (including HST)			320.25			331.32	11.07	3.46%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-22.67		-0.08	-23.46	-0.78	3.46%		-7.62%
Total Amount on TOU			297.58			307.86	10.29	3.46%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AR	HCHI RES
Monthly Consumption (kWh)	400	400
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	426.68	426.2
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 71 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	41.94%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	41.94%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		22.18%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		8.80%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		12.71%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	45.36%	43.68%
Service Charge	1	35.62	35.62	1	40.08	40.08	4.46	12.52%	40.80%	39.30%
Fixed Acquisition Agreement Rider	1	-0.36	-0.36	1	0.00	0.00	0.36	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.0000	0.00	400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	400	0.0004	0.16	400	0.0000	0.00	-0.16	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	400	0.0000	0.00	400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			35.42			40.08	4.66	13.16%	40.80%	39.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.80%	0.77%
Line Losses on Cost of Power (based on two-tier RPP prices)	26	0.10	2.70	27	0.10	2.75	0.05	1.83%	2.80%	2.69%
Line Losses on Cost of Power (based on TOU prices)	26	0.11	2.92	27	0.11	2.97	0.05	1.83%	3.03%	2.91%
Sub-Total: Distribution (based on two-tier RPP prices)			38.91			43.62	4.71	12.10%	44.40%	42.76%
Sub-Total: Distribution (based on TOU prices)			39.13			43.84	4.71	12.05%	44.63%	42.98%
Retail Transmission Rate – Network Service Rate	426	0.0065	2.79	427	0.0071	3.03	0.24	8.61%	3.08%	2.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	426	0.0054	2.31	427	0.006	2.56	0.25	10.91%	2.61%	2.51%
Sub-Total: Retail Transmission			5.10			5.59	0.49	9.65%	5.69%	5.48%
Sub-Total: Delivery (based on two-tier RPP prices)			44.01			49.21	5.20	11.82%	50.09%	48.24%
Sub-Total: Delivery (based on TOU prices)			44.23			49.43	5.21	11.77%	50.32%	48.46%
Wholesale Market Service Rate	426	0.0036	1.53	427	0.0036	1.54	0.00	0.11%	1.56%	1.51%
Rural Rate Protection Charge	426	0.0021	0.90	427	0.0021	0.90	0.00	0.11%	0.91%	0.88%
Ontario Electricity Support Program Charge	426	0.0011	0.47	427	0.0011	0.47	0.00	0.11%	0.48%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.25%	0.25%
Sub-Total: Regulatory			3.15			3.15	0.00	0.10%	3.21%	3.09%
Debt Retirement Charge (DRC)	400	0.0000	0.00	400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			88.35			93.56	5.20	5.89%	95.24%	
HST		0.13	11.49		0.13	12.16	0.68	5.89%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			99.84			105.72	5.88	5.89%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.07		-0.08	-7.48	-0.42	5.89%	-7.62%	
Total Amount on Two-Tier RPP			92.77			98.24	5.47	5.89%	100.00%	
Total Electricity Charge on TOU (before HST)			91.93			97.14	5.21	5.67%		95.24%
HST		0.13	11.95		0.13	12.63	0.68	5.67%		12.38%
Total Electricity Charge on TOU (including HST)			103.88			109.77	5.89	5.67%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.35		-0.08	-7.77	-0.42	5.67%		-7.62%
Total Amount on TOU			96.53			102.00	5.47	5.67%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AR	HCHI RES
Monthly Consumption (kWh)	694	694
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	740	740
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 72 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	43.72%	
Energy Second Tier (kWh)	94	0.121	11.38	94	0.121	11.38	0.00	0.00%	8.05%	
Sub-Total: Energy (RPP)			73.18			73.18	0.00	0.00%	51.77%	
TOU-Off Peak	451	0.087	39.25	451	0.087	39.25	0.00	0.00%		27.02%
TOU-Mid Peak	118	0.132	15.57	118	0.132	15.57	0.00	0.00%		10.72%
TOU-On Peak	125	0.180	22.49	125	0.180	22.49	0.00	0.00%		15.48%
Sub-Total: Energy (TOU)			77.31			77.31	0.00	0.00%	54.69%	53.23%
Service Charge	1	35.62	35.62	1	40.08	40.08	4.46	12.52%	28.35%	27.60%
Fixed Acquisition Agreement Rider	1	-0.36	-0.36	1	0.00	0.00	0.36	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	694	0.0000	0.00	694	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	694	0.0004	0.28	694	0.0000	0.00	-0.28	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	694	0.0000	0.00	694	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			35.54			40.08	4.54	12.78%	28.35%	27.60%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.56%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	45	0.12	5.50	46	0.12	5.60	0.10	1.83%	3.96%	3.86%
Line Losses on Cost of Power (based on TOU prices)	45	0.11	5.06	46	0.11	5.16	0.09	1.83%	3.65%	3.55%
Sub-Total: Distribution (based on two-tier RPP prices)			41.83			46.47	4.64	11.10%	32.87%	32.00%
Sub-Total: Distribution (based on TOU prices)			41.39			46.03	4.64	11.20%	32.56%	31.69%
Retail Transmission Rate – Network Service Rate	740	0.0065	4.84	740	0.0071	5.26	0.42	8.61%	3.72%	3.62%
Retail Transmission Rate – Line and Transformation Connection Service Rate	740	0.0054	4.00	740	0.006	4.44	0.44	10.91%	3.14%	3.06%
Sub-Total: Retail Transmission			8.84			9.70	0.85	9.65%	6.86%	6.68%
Sub-Total: Delivery (based on two-tier RPP prices)			50.67			56.17	5.50	10.85%	39.73%	38.68%
Sub-Total: Delivery (based on TOU prices)			50.24			55.73	5.49	10.93%	39.42%	38.37%
Wholesale Market Service Rate	740	0.0036	2.66	740	0.0036	2.67	0.00	0.11%	1.89%	1.84%
Rural Rate Protection Charge	740	0.0021	1.55	740	0.0021	1.55	0.00	0.11%	1.10%	1.07%
Ontario Electricity Support Program Charge	740	0.0011	0.81	740	0.0011	0.81	0.00	0.11%	0.58%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%	0.17%
Sub-Total: Regulatory			5.28			5.28	0.01	0.11%	3.74%	3.64%
Debt Retirement Charge (DRC)	694	0.0000	0.00	694	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			129.13			134.63	5.50	4.26%	95.24%	
HST		0.13	16.79		0.13	17.50	0.72	4.26%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			145.92			152.14	6.22	4.26%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.33		-0.08	-10.77	-0.44	4.26%	-7.62%	
Total Amount on Two-Tier RPP			135.59			141.37	5.78	4.26%	100.00%	
Total Electricity Charge on TOU (before HST)			132.83			138.32	5.49	4.14%		95.24%
HST		0.13	17.27		0.13	17.98	0.71	4.14%		12.38%
Total Electricity Charge on TOU (including HST)			150.09			156.30	6.21	4.14%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.63		-0.08	-11.07	-0.44	4.14%		-7.62%
Total Amount on TOU			139.47			145.24	5.77	4.14%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	AR	HCHI_RES
Monthly Consumption (kWh)	750	750
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	800.025	799.125
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 73 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	41.15%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.08%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	53.23%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		27.64%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		10.97%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		15.83%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	55.62%	54.44%
Service Charge	1	35.62	35.62	1	40.08	40.08	4.46	12.52%	26.69%	26.12%
Fixed Acquisition Agreement Rider	1	-0.36	-0.36	1	0.00	0.00	0.36	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	750	0.0004	0.30	750	0.0000	0.00	-0.30	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			35.56			40.08	4.52	12.71%	26.69%	26.12%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.53%	0.51%
Line Losses on Cost of Power (based on two-tier RPP prices)	49	0.12	5.94	50	0.12	6.05	0.11	1.83%	4.03%	3.94%
Line Losses on Cost of Power (based on TOU prices)	49	0.11	5.47	50	0.11	5.57	0.10	1.83%	3.71%	3.63%
Sub-Total: Distribution (based on two-tier RPP prices)			42.29			46.92	4.63	10.94%	31.24%	30.58%
Sub-Total: Distribution (based on TOU prices)			41.82			46.44	4.62	11.05%	30.92%	30.26%
Retail Transmission Rate – Network Service Rate	799	0.0065	5.23	800	0.0071	5.68	0.45	8.61%	3.78%	3.70%
Retail Transmission Rate – Line and Transformation Connection Service Rate	799	0.0054	4.33	800	0.006	4.80	0.47	10.91%	3.20%	3.13%
Sub-Total: Retail Transmission			9.56			10.48	0.92	9.65%	6.98%	6.83%
Sub-Total: Delivery (based on two-tier RPP prices)			51.85			57.40	5.55	10.71%	38.22%	37.41%
Sub-Total: Delivery (based on TOU prices)			51.38			56.92	5.54	10.79%	37.90%	37.09%
Wholesale Market Service Rate	799	0.0036	2.88	800	0.0036	2.88	0.00	0.11%	1.92%	1.88%
Rural Rate Protection Charge	799	0.0021	1.68	800	0.0021	1.68	0.00	0.11%	1.12%	1.09%
Ontario Electricity Support Program Charge	799	0.0011	0.88	800	0.0011	0.88	0.00	0.11%	0.59%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.16%
Sub-Total: Regulatory			5.68			5.69	0.01	0.11%	3.79%	3.71%
Debt Retirement Charge (DRC)	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			137.49			143.04	5.56	4.04%	95.24%	
HST		0.13	17.87		0.13	18.60	0.72	4.04%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			155.36			161.64	6.28	4.04%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.00		-0.08	-11.44	-0.44	4.04%	-7.62%	
Total Amount on Two-Tier RPP			144.36			150.20	5.84	4.04%	100.00%	
Total Electricity Charge on TOU (before HST)			140.61			146.16	5.55	3.95%		95.24%
HST		0.13	18.28		0.13	19.00	0.72	3.95%		12.38%
Total Electricity Charge on TOU (including HST)			158.89			165.16	6.27	3.95%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.25		-0.08	-11.69	-0.44	3.95%		-7.62%
Total Amount on TOU			147.64			153.46	5.83	3.95%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AR	HCHI RES
Monthly Consumption (kWh)	1800	1800
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	600	600
Monthly Consumption (kWh) - Uplifted	1920.06	1917.9
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 74 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	19.56%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	45.96%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	65.53%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		33.06%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		13.12%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		18.94%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	63.47%	65.13%
Service Charge	1	35.62	35.62	1	40.08	40.08	4.46	12.52%	12.69%	13.02%
Fixed Acquisition Agreement Rider	1	-0.36	-0.36	1	0.00	0.00	0.36	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Low Voltage Service Rate	1,800	0.0004	0.72	1,800	0.0000	0.00	-0.72	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			35.98			40.08	4.10	11.40%	12.69%	13.02%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.25%	0.26%
Line Losses on Cost of Power (based on two-tier RPP prices)	118	0.12	14.27	120	0.12	14.53	0.26	1.83%	4.60%	4.72%
Line Losses on Cost of Power (based on TOU prices)	118	0.11	13.13	120	0.11	13.37	0.24	1.83%	4.23%	4.34%
Sub-Total: Distribution (based on two-tier RPP prices)			51.04			55.40	4.36	8.55%	17.54%	17.99%
Sub-Total: Distribution (based on TOU prices)			49.90			54.24	4.34	8.70%	17.17%	17.62%
Retail Transmission Rate – Network Service Rate	1,918	0.0065	12.55	1,920	0.0071	13.63	1.08	8.61%	4.32%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,918	0.0054	10.39	1,920	0.006	11.52	1.13	10.91%	3.65%	3.74%
Sub-Total: Retail Transmission			22.94			25.15	2.21	9.65%	7.96%	8.17%
Sub-Total: Delivery (based on two-tier RPP prices)			73.97			80.55	6.58	8.89%	25.50%	26.16%
Sub-Total: Delivery (based on TOU prices)			72.84			79.40	6.55	9.00%	25.13%	25.79%
Wholesale Market Service Rate	1,918	0.0036	6.90	1,920	0.0036	6.91	0.01	0.11%	2.19%	2.25%
Rural Rate Protection Charge	1,918	0.0021	4.03	1,920	0.0021	4.03	0.00	0.11%	1.28%	1.31%
Ontario Electricity Support Program Charge	1,918	0.0011	2.11	1,920	0.0011	2.11	0.00	0.11%	0.67%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			13.29			13.31	0.01	0.11%	4.21%	4.32%
Debt Retirement Charge (DRC)	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			294.27			300.86	6.59	2.24%	95.24%	
HST		0.13	38.25		0.13	39.11	0.86	2.24%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			332.52			339.97	7.45	2.24%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-23.54		-0.08	-24.07	-0.53	2.24%	-7.62%	
Total Amount on Two-Tier RPP			308.98			315.90	6.92	2.24%	100.00%	
Total Electricity Charge on TOU (before HST)			286.64			293.20	6.57	2.29%		95.24%
HST		0.13	37.26		0.13	38.12	0.85	2.29%		12.38%
Total Electricity Charge on TOU (including HST)			323.90			331.32	7.42	2.29%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-22.93		-0.08	-23.46	-0.53	2.29%		-7.62%
Total Amount on TOU			300.97			307.86	6.90	2.29%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AGSe	NPDI_GS<50
Monthly Consumption (kWh)	1000	1000
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1066.7	1056.4
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 75 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	36.65%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.35%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	51.00%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		26.40%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.48%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.13%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	52.85%	52.01%
Service Charge	1	49.98	49.98	1	40.82	40.82	-9.16	-18.33%	19.37%	19.06%
Fixed Acquisition Agreement Rider	1	-0.74	-0.74	1	0.00	0.00	0.74	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0156	15.60	1,000	0.0187	18.70	3.10	19.87%	8.87%	8.73%
Low Voltage Service Rate	1,000	0.0008	0.80	1,000	0.0000	0.00	-0.80	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	1,000	-0.0003	-0.30	1,000	0.0000	0.00	0.30	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			65.34			59.52	-5.82	-8.91%	28.24%	27.79%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.37%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	56	0.12	6.82	67	0.12	8.07	1.25	18.26%	3.83%	3.77%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.43	67	0.11	7.43	0.00	0.00%	3.53%	3.47%
Sub-Total: Distribution (based on two-tier RPP prices)			72.95			68.38	-4.57	-6.27%	32.44%	31.93%
Sub-Total: Distribution (based on TOU prices)			73.56			67.74	-5.82	-7.91%	32.14%	31.63%
Retail Transmission Rate – Network Service Rate	1,056	0.0063	6.66	1,067	0.0053	5.65	-1.00	-15.05%	2.68%	2.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,056	0.0031	3.27	1,067	0.0044	4.69	1.42	43.32%	2.23%	2.19%
Sub-Total: Retail Transmission			9.93			10.35	0.42	4.20%	4.91%	4.83%
Sub-Total: Delivery (based on two-tier RPP prices)			82.88			78.73	-4.16	-5.02%	37.35%	36.76%
Sub-Total: Delivery (based on TOU prices)			83.49			78.09	-5.40	-6.47%	37.05%	36.46%
Wholesale Market Service Rate	1,056	0.0036	3.80	1,067	0.0036	3.84	0.04	0.98%	1.82%	1.79%
Rural Rate Protection Charge	1,056	0.0021	2.22	1,067	0.0021	2.24	0.02	0.98%	1.06%	1.05%
Ontario Electricity Support Program Charge	1,056	0.0011	1.16	1,067	0.0011	1.17	0.01	0.98%	0.56%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.43			7.50	0.07	0.94%	3.56%	3.50%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.32%	3.27%
Total Electricity Charge on Two-Tier RPP			204.82			200.73	-4.09	-2.00%	95.24%	
HST		0.13	26.63		0.13	26.10	-0.53	-2.00%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			231.44			226.83	-4.62	-2.00%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.39		-0.08	-16.06	0.33	-2.00%	-7.62%	
Total Amount on Two-Tier RPP			215.06			210.77	-4.29	-2.00%	100.00%	
Total Electricity Charge on TOU (before HST)			209.31			203.98	-5.33	-2.55%		95.24%
HST		0.13	27.21		0.13	26.52	-0.69	-2.55%		12.38%
Total Electricity Charge on TOU (including HST)			236.52			230.50	-6.03	-2.55%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.75		-0.08	-16.32	0.43	-2.55%		-7.62%
Total Amount on TOU			219.78			214.18	-5.60	-2.55%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AGSe	NPDI GS<50
Monthly Consumption (kWh)	2,182	2,182
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	2328	2306
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 76 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	18.19%	
Energy Second Tier (kWh)	1,432	0.121	173.33	1,432	0.121	173.33	0.00	0.00%	40.80%	
Sub-Total: Energy (RPP)			250.58			250.58	0.00	0.00%	58.99%	
TOU-Off Peak	1,419	0.087	123.42	1,419	0.087	123.42	0.00	0.00%		29.71%
TOU-Mid Peak	371	0.132	48.97	371	0.132	48.97	0.00	0.00%		11.79%
TOU-On Peak	393	0.180	70.71	393	0.180	70.71	0.00	0.00%		17.02%
Sub-Total: Energy (TOU)			243.11			243.11	0.00	0.00%	57.23%	58.51%
Service Charge	1	49.98	49.98	1	40.82	40.82	-9.16	-18.33%	9.61%	9.83%
Fixed Acquisition Agreement Rider	1	-0.74	-0.74	1	0.00	0.00	0.74	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	2,182	0.0156	34.05	2,182	0.0187	40.81	6.77	19.87%	9.61%	9.82%
Low Voltage Service Rate	2,182	0.0008	1.75	2,182	0.0000	0.00	-1.75	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	2,182	-0.0003	-0.65	2,182	0.0000	0.00	0.65	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			84.38			81.63	-2.75	-3.25%	19.22%	19.65%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.19%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	123	0.12	14.89	146	0.12	17.61	2.72	18.26%	4.15%	4.24%
Line Losses on Cost of Power (based on TOU prices)	123	0.11	13.71	146	0.11	16.22	2.50	18.26%	3.82%	3.90%
Sub-Total: Distribution (based on two-tier RPP prices)			100.06			100.04	-0.03	-0.03%	23.55%	24.08%
Sub-Total: Distribution (based on TOU prices)			98.88			98.64	-0.24	-0.24%	23.22%	23.74%
Retail Transmission Rate – Network Service Rate	2,306	0.0063	14.53	2,328	0.0053	12.34	-2.19	-15.05%	2.90%	2.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,306	0.0031	7.15	2,328	0.0044	10.24	3.10	43.32%	2.41%	2.47%
Sub-Total: Retail Transmission			21.67			22.58	0.91	4.20%	5.32%	5.44%
Sub-Total: Delivery (based on two-tier RPP prices)			121.73			122.62	0.88	0.73%	28.87%	29.51%
Sub-Total: Delivery (based on TOU prices)			120.55			121.22	0.67	0.55%	28.54%	29.18%
Wholesale Market Service Rate	2,306	0.0036	8.30	2,328	0.0036	8.38	0.08	0.98%	1.97%	2.02%
Rural Rate Protection Charge	2,306	0.0021	4.84	2,328	0.0021	4.89	0.05	0.98%	1.15%	1.18%
Ontario Electricity Support Program Charge	2,306	0.0011	2.54	2,328	0.0011	2.56	0.02	0.98%	0.60%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			15.93			16.08	0.15	0.96%	3.79%	3.87%
Debt Retirement Charge (DRC)	2,182	0.007	15.28	2,182	0.007	15.28	0.00	0.00%	3.60%	3.68%
Total Electricity Charge on Two-Tier RPP			403.52			404.56	1.04	0.26%	95.24%	
HST		0.13	52.46		0.13	52.59	0.13	0.26%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			455.98			457.15	1.17	0.26%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-32.28		-0.08	-32.36	-0.08	0.26%	-7.62%	
Total Amount on Two-Tier RPP			423.69			424.78	1.09	0.26%	100.00%	
Total Electricity Charge on TOU (before HST)			394.86			395.68	0.82	0.21%		95.24%
HST		0.13	51.33		0.13	51.44	0.11	0.21%		12.38%
Total Electricity Charge on TOU (including HST)			446.19			447.12	0.93	0.21%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-31.59		-0.08	-31.65	-0.07	0.21%		-7.62%
Total Amount on TOU			414.61			415.47	0.86	0.21%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	AGSe	NPDI GS<50
Monthly Consumption (kWh)	2,000	2,000
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	2133.4	2112.8
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 77 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.72%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	38.61%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	58.33%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		29.42%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.68%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.86%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	56.87%	57.95%
Service Charge	1	49.98	49.98	1	40.82	40.82	-9.16	-18.33%	10.42%	10.62%
Fixed Acquisition Agreement Rider	1	-0.74	-0.74	1	0.00	0.00	0.74	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0156	31.20	2,000	0.0187	37.40	6.20	19.87%	9.55%	9.73%
Low Voltage Service Rate	2,000	0.0008	1.60	2,000	0.0000	0.00	-1.60	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	2,000	-0.0003	-0.60	2,000	0.0000	0.00	0.60	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			81.44			78.22	-3.22	-3.95%	19.97%	20.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	113	0.12	13.65	133	0.12	16.14	2.49	18.26%	4.12%	4.20%
Line Losses on Cost of Power (based on TOU prices)	113	0.11	12.56	133	0.11	14.86	2.29	18.26%	3.79%	3.87%
Sub-Total: Distribution (based on two-tier RPP prices)			95.88			95.15	-0.73	-0.76%	24.29%	24.75%
Sub-Total: Distribution (based on TOU prices)			94.79			93.87	-0.93	-0.98%	23.96%	24.42%
Retail Transmission Rate – Network Service Rate	2,113	0.0063	13.31	2,133	0.0053	11.31	-2.00	-15.05%	2.89%	2.94%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,113	0.0031	6.55	2,133	0.0044	9.39	2.84	43.32%	2.40%	2.44%
Sub-Total: Retail Transmission			19.86			20.69	0.83	4.20%	5.28%	5.38%
Sub-Total: Delivery (based on two-tier RPP prices)			115.74			115.85	0.11	0.09%	29.57%	30.14%
Sub-Total: Delivery (based on TOU prices)			114.66			114.56	-0.09	-0.08%	29.24%	29.80%
Wholesale Market Service Rate	2,113	0.0036	7.61	2,133	0.0036	7.68	0.07	0.98%	1.96%	2.00%
Rural Rate Protection Charge	2,113	0.0021	4.44	2,133	0.0021	4.48	0.04	0.98%	1.14%	1.17%
Ontario Electricity Support Program Charge	2,113	0.0011	2.32	2,133	0.0011	2.35	0.02	0.98%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.07%
Sub-Total: Regulatory			14.62			14.76	0.14	0.96%	3.77%	3.84%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.57%	3.64%
Total Electricity Charge on Two-Tier RPP			372.86			373.10	0.25	0.07%	95.24%	
HST		0.13	48.47		0.13	48.50	0.03	0.07%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			421.33			421.61	0.28	0.07%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.83		-0.08	-29.85	-0.02	0.07%	-7.62%	
Total Amount on Two-Tier RPP			391.50			391.76	0.26	0.07%	100.00%	
Total Electricity Charge on TOU (before HST)			366.05			366.10	0.05	0.01%		95.24%
HST		0.13	47.59		0.13	47.59	0.01	0.01%		12.38%
Total Electricity Charge on TOU (including HST)			413.64			413.69	0.05	0.01%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.28		-0.08	-29.29	0.00	0.01%		-7.62%
Total Amount on TOU			384.35			384.41	0.05	0.01%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AGSe	NPDI GS<50
Monthly Consumption (kWh)	15,000	15,000
Peak (kW)	0	0
Loss factor	1.0667	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	16000.5	15846
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 78 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.81%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	62.82%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	65.64%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		32.66%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.96%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		18.71%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	60.88%	64.33%
Service Charge	1	49.98	49.98	1	40.82	40.82	-9.16	-18.33%	1.49%	1.57%
Fixed Acquisition Agreement Rider	1	-0.74	-0.74	1	0.00	0.00	0.74	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0156	234.00	15,000	0.0187	280.50	46.50	19.87%	10.22%	10.80%
Low Voltage Service Rate	15,000	0.0008	12.00	15,000	0.0000	0.00	-12.00	-100.00%	0.00%	0.00%
Volumetric Acquisition Agreement Rider	15,000	-0.0003	-4.50	15,000	0.0000	0.00	4.50	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			290.74			321.32	30.58	10.52%	11.71%	12.37%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	846	0.12	102.37	1,001	0.12	121.06	18.69	18.26%	4.41%	4.66%
Line Losses on Cost of Power (based on TOU prices)	846	0.11	94.24	1,001	0.11	111.45	17.21	18.26%	4.06%	4.29%
Sub-Total: Distribution (based on two-tier RPP prices)			393.90			443.17	49.27	12.51%	16.15%	17.06%
Sub-Total: Distribution (based on TOU prices)			385.77			433.56	47.79	12.39%	15.80%	16.69%
Retail Transmission Rate – Network Service Rate	15,846	0.0063	99.83	16,001	0.0053	84.80	-15.03	-15.05%	3.09%	3.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	15,846	0.0031	49.12	16,001	0.0044	70.40	21.28	43.32%	2.57%	2.71%
Sub-Total: Retail Transmission			148.95			155.20	6.25	4.20%	5.65%	5.98%
Sub-Total: Delivery (based on two-tier RPP prices)			542.85			598.38	55.53	10.23%	21.80%	23.04%
Sub-Total: Delivery (based on TOU prices)			534.72			588.76	54.04	10.11%	21.45%	22.67%
Wholesale Market Service Rate	15,846	0.0036	57.05	16,001	0.0036	57.60	0.56	0.98%	2.10%	2.22%
Rural Rate Protection Charge	15,846	0.0021	33.28	16,001	0.0021	33.60	0.32	0.98%	1.22%	1.29%
Ontario Electricity Support Program Charge	15,846	0.0011	17.43	16,001	0.0011	17.60	0.17	0.98%	0.64%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			108.00			109.05	1.05	0.97%	3.97%	4.20%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.83%	4.04%
Total Electricity Charge on Two-Tier RPP			2,557.35			2,613.93	56.58	2.21%	95.24%	
HST		0.13	332.46		0.13	339.81	7.36	2.21%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			2,889.81			2,953.74	63.93	2.21%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-204.59		-0.08	-209.11	-4.53	2.21%	-7.62%	
Total Amount on Two-Tier RPP			2,685.22			2,744.63	59.41	2.21%	100.00%	
Total Electricity Charge on TOU (before HST)			2,418.57			2,473.66	55.09	2.28%		95.24%
HST		0.13	314.41		0.13	321.58	7.16	2.28%		12.38%
Total Electricity Charge on TOU (including HST)			2,732.99			2,795.24	62.25	2.28%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-193.49		-0.08	-197.89	-4.41	2.28%		-7.62%
Total Amount on TOU			2,539.50			2,597.35	57.85	2.28%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AGSe	HCHI_GS<50
Monthly Consumption (kWh)	1000	1000
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1066.7	1065.5
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 79 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	36.65%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.35%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	51.00%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		26.40%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.48%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.13%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	52.85%	52.01%
Service Charge	1	26.94	26.94	1	40.82	40.82	13.88	51.52%	19.37%	19.06%
Fixed Acquisition Agreement Rider	1	-0.27	-0.27	1	0.00	0.00	0.27	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.019	19.00	1,000	0.0187	18.70	-0.30	-1.58%	8.87%	8.73%
Low Voltage Service Rate	1,000	0.0004	0.40	1,000	0.0000	0.00	-0.40	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	-0.0002	-0.20	1,000	0.0000	0.00	0.20	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			45.87			59.52	13.65	29.76%	28.24%	27.79%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.37%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	66	0.12	7.93	67	0.12	8.07	0.15	1.83%	3.83%	3.77%
Line Losses on Cost of Power (based on TOU prices)	66	0.11	7.30	67	0.11	7.43	0.13	1.83%	3.53%	3.47%
Sub-Total: Distribution (based on two-tier RPP prices)			54.59			68.38	13.80	25.27%	32.44%	31.93%
Sub-Total: Distribution (based on TOU prices)			53.96			67.74	13.78	25.55%	32.14%	31.63%
Retail Transmission Rate – Network Service Rate	1,066	0.0059	6.26	1,067	0.0053	5.65	-0.60	-9.62%	2.68%	2.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,066	0.0050	5.33	1,067	0.0044	4.69	-0.63	-11.89%	2.23%	2.19%
Sub-Total: Retail Transmission			11.58			10.35	-1.23	-10.66%	4.91%	4.83%
Sub-Total: Delivery (based on two-tier RPP prices)			66.17			78.73	12.56	18.98%	37.35%	36.76%
Sub-Total: Delivery (based on TOU prices)			65.54			78.09	12.55	19.15%	37.05%	36.46%
Wholesale Market Service Rate	1,066	0.0036	3.84	1,067	0.0036	3.84	0.00	0.11%	1.82%	1.79%
Rural Rate Protection Charge	1,066	0.0021	2.24	1,067	0.0021	2.24	0.00	0.11%	1.06%	1.05%
Ontario Electricity Support Program Charge	1,066	0.0011	1.17	1,067	0.0011	1.17	0.00	0.11%	0.56%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.50			7.50	0.01	0.11%	3.56%	3.50%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.32%	3.27%
Total Electricity Charge on Two-Tier RPP			188.16			200.73	12.57	6.68%	95.24%	
HST		0.13	24.46		0.13	26.10	1.63	6.68%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			212.62			226.83	14.20	6.68%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.05		-0.08	-16.06	-1.01	6.68%	-7.62%	
Total Amount on Two-Tier RPP			197.57			210.77	13.20	6.68%	100.00%	
Total Electricity Charge on TOU (before HST)			191.42			203.98	12.56	6.56%		95.24%
HST		0.13	24.89		0.13	26.52	1.63	6.56%		12.38%
Total Electricity Charge on TOU (including HST)			216.31			230.50	14.19	6.56%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.31		-0.08	-16.32	-1.00	6.56%		-7.62%
Total Amount on TOU			200.99			214.18	13.18	6.56%		100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AGSe	HCHI_GS<50
Monthly Consumption (kWh)	1,819	1,819
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1,941	1,939
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 80 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	21.51%	
Energy Second Tier (kWh)	1,069	0.121	129.40	1,069	0.121	129.40	0.00	0.00%	36.04%	
Sub-Total: Energy (RPP)			206.65			206.65	0.00	0.00%	57.55%	
TOU-Off Peak	1,183	0.087	102.89	1,183	0.087	102.89	0.00	0.00%		29.09%
TOU-Mid Peak	309	0.132	40.83	309	0.132	40.83	0.00	0.00%		11.54%
TOU-On Peak	327	0.180	58.95	327	0.180	58.95	0.00	0.00%		16.67%
Sub-Total: Energy (TOU)			202.67			202.67	0.00	0.00%	56.44%	57.30%
Service Charge	1	26.94	26.94	1	40.82	40.82	13.88	51.52%	11.37%	11.54%
Fixed Acquisition Agreement Rider	1	-0.27	-0.27	1	0.00	0.00	0.27	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	1,819	0.019	34.57	1,819	0.0187	34.02	-0.55	-1.58%	9.48%	9.62%
Low Voltage Service Rate	1,819	0.0004	0.73	1,819	0.0000	0.00	-0.73	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,819	-0.0002	-0.36	1,819	0.0000	0.00	0.36	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			61.60			74.84	13.24	21.49%	20.84%	21.16%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.22%
Line Losses on Cost of Power (based on two-tier RPP prices)	119	0.12	14.42	121	0.12	14.68	0.26	1.83%	4.09%	4.15%
Line Losses on Cost of Power (based on TOU prices)	119	0.11	13.27	121	0.11	13.52	0.24	1.83%	3.76%	3.82%
Sub-Total: Distribution (based on two-tier RPP prices)			76.81			90.32	13.50	17.58%	25.15%	25.54%
Sub-Total: Distribution (based on TOU prices)			75.67			89.15	13.48	17.82%	24.83%	25.21%
Retail Transmission Rate – Network Service Rate	1,939	0.0059	11.38	1,941	0.0053	10.29	-1.09	-9.62%	2.86%	2.91%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,939	0.0050	9.69	1,941	0.0044	8.54	-1.15	-11.89%	2.38%	2.41%
Sub-Total: Retail Transmission			21.07			18.83	-2.25	-10.66%	5.24%	5.32%
Sub-Total: Delivery (based on two-tier RPP prices)			97.89			109.14	11.26	11.50%	30.40%	30.86%
Sub-Total: Delivery (based on TOU prices)			96.74			107.98	11.24	11.62%	30.07%	30.53%
Wholesale Market Service Rate	1,939	0.0036	6.98	1,941	0.0036	6.99	0.01	0.11%	1.95%	1.98%
Rural Rate Protection Charge	1,939	0.0021	4.07	1,941	0.0021	4.08	0.00	0.11%	1.14%	1.15%
Ontario Electricity Support Program Charge	1,939	0.0011	2.13	1,941	0.0011	2.13	0.00	0.11%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			13.43			13.45	0.01	0.11%	3.74%	3.80%
Debt Retirement Charge (DRC)	1,819	0.007	12.74	1,819	0.007	12.74	0.00	0.00%	3.55%	3.60%
Total Electricity Charge on Two-Tier RPP			330.71			341.98	11.27	3.41%	95.24%	
HST		0.13	42.99		0.13	44.46	1.47	3.41%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			373.70			386.44	12.74	3.41%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.46		-0.08	-27.36	-0.90	3.41%	-7.62%	
Total Amount on Two-Tier RPP			347.24			359.08	11.84	3.41%	100.00%	
Total Electricity Charge on TOU (before HST)			325.58			336.83	11.25	3.46%		95.24%
HST		0.13	42.32		0.13	43.79	1.46	3.46%		12.38%
Total Electricity Charge on TOU (including HST)			367.90			380.62	12.71	3.46%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.05		-0.08	-26.95	-0.90	3.46%		-7.62%
Total Amount on TOU			341.86			353.67	11.81	3.46%		100.00%

2021 Bill Impacts (Typical Consumption Level)

Rate Class	AGSe	HCHI GS<50
Monthly Consumption (kWh)	2,000	2,000
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	2133.4	2131
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 81 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.72%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	38.61%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	58.33%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		29.42%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.68%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.86%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	56.87%	57.95%
Service Charge	1	26.94	26.94	1	40.82	40.82	13.88	51.52%	10.42%	10.62%
Fixed Acquisition Agreement Rider	1	-0.27	-0.27	1	0.00	0.00	0.27	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.019	38.00	2,000	0.0187	37.40	-0.60	-1.58%	9.55%	9.73%
Low Voltage Service Rate	2,000	0.0004	0.80	2,000	0.0000	0.00	-0.80	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,000	-0.0002	-0.40	2,000	0.0000	0.00	0.40	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			65.07			78.22	13.15	20.21%	19.97%	20.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	131	0.12	15.85	133	0.12	16.14	0.29	1.83%	4.12%	4.20%
Line Losses on Cost of Power (based on TOU prices)	131	0.11	14.59	133	0.11	14.86	0.27	1.83%	3.79%	3.87%
Sub-Total: Distribution (based on two-tier RPP prices)			81.71			95.15	13.44	16.45%	24.29%	24.75%
Sub-Total: Distribution (based on TOU prices)			80.45			93.87	13.42	16.68%	23.96%	24.42%
Retail Transmission Rate – Network Service Rate	2,131	0.0059	12.51	2,133	0.0053	11.31	-1.20	-9.62%	2.89%	2.94%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,131	0.0050	10.65	2,133	0.0044	9.39	-1.27	-11.89%	2.40%	2.44%
Sub-Total: Retail Transmission			23.16			20.69	-2.47	-10.66%	5.28%	5.38%
Sub-Total: Delivery (based on two-tier RPP prices)			104.87			115.85	10.97	10.46%	29.57%	30.14%
Sub-Total: Delivery (based on TOU prices)			103.62			114.56	10.95	10.57%	29.24%	29.80%
Wholesale Market Service Rate	2,131	0.0036	7.67	2,133	0.0036	7.68	0.01	0.11%	1.96%	2.00%
Rural Rate Protection Charge	2,131	0.0021	4.48	2,133	0.0021	4.48	0.01	0.11%	1.14%	1.17%
Ontario Electricity Support Program Charge	2,131	0.0011	2.34	2,133	0.0011	2.35	0.00	0.11%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.07%
Sub-Total: Regulatory			14.74			14.76	0.02	0.11%	3.77%	3.84%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.57%	3.64%
Total Electricity Charge on Two-Tier RPP			362.12			373.10	10.99	3.03%	95.24%	
HST		0.13	47.08		0.13	48.50	1.43	3.03%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			409.19			421.61	12.42	3.03%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-28.97		-0.08	-29.85	-0.88	3.03%	-7.62%	
Total Amount on Two-Tier RPP			380.22			391.76	11.54	3.03%	100.00%	
Total Electricity Charge on TOU (before HST)			355.14			366.10	10.96	3.09%		95.24%
HST		0.13	46.17		0.13	47.59	1.43	3.09%		12.38%
Total Electricity Charge on TOU (including HST)			401.30			413.69	12.39	3.09%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-28.41		-0.08	-29.29	-0.88	3.09%		-7.62%
Total Amount on TOU			372.89			384.41	11.51	3.09%		100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AGSe	HCHI GS<50
Monthly Consumption (kWh)	15,000	15,000
Peak (kW)	0	0
Loss factor	1.0667	1.0655
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	16000.5	15982.5
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 82 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.81%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	62.82%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	65.64%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		32.66%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.96%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		18.71%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	60.88%	64.33%
Service Charge	1	26.94	26.94	1	40.82	40.82	13.88	51.52%	1.49%	1.57%
Fixed Acquisition Agreement Rider	1	-0.27	-0.27	1	0.00	0.00	0.27	-100.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.019	285.00	15,000	0.0187	280.50	-4.50	-1.58%	10.22%	10.80%
Low Voltage Service Rate	15,000	0.0004	6.00	15,000	0.0000	0.00	-6.00	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	15,000	-0.0002	-3.00	15,000	0.0000	0.00	3.00	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			314.67			321.32	6.65	2.11%	11.71%	12.37%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	982	0.12	118.88	1,001	0.12	121.06	2.18	1.83%	4.41%	4.66%
Line Losses on Cost of Power (based on TOU prices)	982	0.11	109.44	1,001	0.11	111.45	2.01	1.83%	4.06%	4.29%
Sub-Total: Distribution (based on two-tier RPP prices)			434.34			443.17	8.83	2.03%	16.15%	17.06%
Sub-Total: Distribution (based on TOU prices)			424.90			433.56	8.66	2.04%	15.80%	16.69%
Retail Transmission Rate – Network Service Rate	15,983	0.0059	93.83	16,001	0.0053	84.80	-9.03	-9.62%	3.09%	3.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	15,983	0.0050	79.90	16,001	0.0044	70.40	-9.50	-11.89%	2.57%	2.71%
Sub-Total: Retail Transmission			173.73			155.20	-18.52	-10.66%	5.65%	5.98%
Sub-Total: Delivery (based on two-tier RPP prices)			608.07			598.38	-9.70	-1.59%	21.80%	23.04%
Sub-Total: Delivery (based on TOU prices)			598.63			588.76	-9.87	-1.65%	21.45%	22.67%
Wholesale Market Service Rate	15,983	0.0036	57.54	16,001	0.0036	57.60	0.06	0.11%	2.10%	2.22%
Rural Rate Protection Charge	15,983	0.0021	33.56	16,001	0.0021	33.60	0.04	0.11%	1.22%	1.29%
Ontario Electricity Support Program Charge	15,983	0.0011	17.58	16,001	0.0011	17.60	0.02	0.11%	0.64%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			108.93			109.05	0.12	0.11%	3.97%	4.20%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.83%	4.04%
Total Electricity Charge on Two-Tier RPP			2,623.50			2,613.93	-9.57	-0.36%	95.24%	
HST		0.13	341.06		0.13	339.81	-1.24	-0.36%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			2,964.56			2,953.74	-10.82	-0.36%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-209.88		-0.08	-209.11	0.77	-0.36%	-7.62%	
Total Amount on Two-Tier RPP			2,754.68			2,744.63	-10.05	-0.36%	100.00%	
Total Electricity Charge on TOU (before HST)			2,483.41			2,473.66	-9.75	-0.39%		95.24%
HST		0.13	322.84		0.13	321.58	-1.27	-0.39%		12.38%
Total Electricity Charge on TOU (including HST)			2,806.25			2,795.24	-11.01	-0.39%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-198.67		-0.08	-197.89	0.78	-0.39%		-7.62%
Total Amount on TOU			2,607.58			2,597.35	-10.23	-0.39%		100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AGSd	NPDI GS >50
Monthly Consumption (kWh)	15,000	15,000
Peak (kW)	60	60
Loss factor	1.0563	1.0564
Load factor	34%	34%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	15,845	15,846
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 83 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,846	0.103	1,632.14	15,845	0.103	1,631.98	-0.15	-0.01%	56.34%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,632.14			1,631.98	-0.15	-0.01%	56.34%
Service Charge	1	245.55	245.55	1	208.51	208.51	-37.04	-15.08%	7.20%
Fixed Acquisition Agreement Rider	1	-3.61	-3.61	1	0.00	0.00	3.61	-100.00%	0.00%
Distribution Volumetric Rate	60	3.9602	237.61	60	5.1400	308.40	70.79	29.79%	10.65%
Low Voltage Service Rate	60	0.3050	18.30	60	0.0000	0.00	-18.30	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	60	-0.0583	-3.50	60	0.0000	0.00	3.50	-100.00%	0.00%
Sub-Total: Distribution			494.35			516.91	22.56	4.56%	17.85%
Retail Transmission Rate – Network Service Rate	60	2.5454	152.72	60	1.8483	110.90	-41.83	-27.39%	3.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2385	74.31	60	1.5101	90.61	16.30	21.93%	3.13%
Sub-Total: Retail Transmission			227.03			201.50	-25.53	-11.25%	6.96%
Sub-Total: Delivery			721.39			718.41	-2.97	-0.41%	24.80%
Wholesale Market Service Rate	15,846	0.0036	57.05	15,845	0.0036	57.04	-0.01	-0.01%	1.97%
Rural Rate Protection Charge	15,846	0.0021	33.28	15,845	0.0021	33.27	0.00	-0.01%	1.15%
Ontario Electricity Support Program Charge	15,846	0.0011	17.43	15,845	0.0011	17.43	0.00	-0.01%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.00			107.99	-0.01	-0.01%	3.73%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.62%
Total Electricity Charge on Two-Tier RPP (before HST)			2,566.53			2,563.39	-3.14	-0.12%	88.50%
HST		0.13	333.65		0.13	333.24	-0.41	-0.12%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,900.18			2,896.63	-3.55	-0.12%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,900.18			2,896.63	-3.55	-0.12%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AGSd	NPDI GS >50
Monthly Consumption (kWh)	57,223	57,223
Peak (kW)	161	161
Loss factor	1.0563	1.0564
Load factor	49%	49%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	60,444	60,450
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 84 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	60,450	0.103	6,226.36	60,444	0.103	6,225.77	-0.59	-0.01%	63.96%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			6,226.36			6,225.77	-0.59	-0.01%	63.96%
Service Charge	1	245.55	245.55	1	208.51	208.51	-37.04	-15.08%	2.14%
Fixed Acquisition Agreement Rider	1	-3.61	-3.61	1	0.00	0.00	3.61	-100.00%	0.00%
Distribution Volumetric Rate	161	3.9602	637.41	161	5.1400	827.30	189.89	29.79%	8.50%
Low Voltage Service Rate	161	0.3050	49.09	161	0.0000	0.00	-49.09	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	161	-0.0583	-9.38	161	0.0000	0.00	9.38	-100.00%	0.00%
Sub-Total: Distribution			919.05			1,035.81	116.76	12.70%	10.64%
Retail Transmission Rate – Network Service Rate	161	2.5454	409.69	161	1.8483	297.49	-112.20	-27.39%	3.06%
Retail Transmission Rate – Line and Transformation Connection Service Rate	161	1.2385	199.34	161	1.5101	243.06	43.71	21.93%	2.50%
Sub-Total: Retail Transmission			609.03			540.55	-68.49	-11.25%	5.55%
Sub-Total: Delivery			1,528.09			1,576.36	48.27	3.16%	16.19%
Wholesale Market Service Rate	60,450	0.0036	217.62	60,444	0.0036	217.60	-0.02	-0.01%	2.24%
Rural Rate Protection Charge	60,450	0.0021	126.95	60,444	0.0021	126.93	-0.01	-0.01%	1.30%
Ontario Electricity Support Program Charge	60,450	0.0011	66.50	60,444	0.0011	66.49	-0.01	-0.01%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			411.31			411.27	-0.04	-0.01%	4.23%
Debt Retirement Charge (DRC)	57,223	0.007	400.56	57,223	0.007	400.56	0.00	0.00%	4.12%
Total Electricity Charge on Two-Tier RPP (before HST)			8,566.31			8,613.95	47.64	0.56%	88.50%
HST		0.13	1,113.62		0.13	1,119.81	6.19	0.56%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			9,679.93			9,733.77	53.84	0.56%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			9,679.93			9,733.77	53.84	0.56%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AGSd	NPDI GS >50
Monthly Consumption (kWh)	175,000	175,000
Peak (kW)	500	500
Loss factor	1.056	1.056
Load factor	48%	48%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	184,853	184,870
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 85 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	184,870	0.103	19,041.61	184,853	0.103	19,039.81	-1.80	-0.01%	64.86%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,041.61			19,039.81	-1.80	-0.01%	64.86%
Service Charge	1	245.55	245.55	1	208.51	208.51	-37.04	-15.08%	0.71%
Fixed Acquisition Agreement Rider	1	-3.61	-3.61	1	0.00	0.00	3.61	-100.00%	0.00%
Distribution Volumetric Rate	500	3.9602	1,980.10	500	5.1400	2,570.00	589.90	29.79%	8.75%
Low Voltage Service Rate	500	0.3050	152.50	500	0.0000	0.00	-152.50	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	500	-0.0583	-29.15	500	0.0000	0.00	29.15	-100.00%	0.00%
Sub-Total: Distribution			2,345.39			2,778.51	433.12	18.47%	9.46%
Retail Transmission Rate – Network Service Rate	500	2.5454	1,272.70	500	1.8483	924.15	-348.55	-27.39%	3.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2385	619.25	500	1.5101	755.05	135.80	21.93%	2.57%
Sub-Total: Retail Transmission			1,891.95			1,679.20	-212.75	-11.25%	5.72%
Sub-Total: Delivery			4,237.34			4,457.71	220.37	5.20%	15.18%
Wholesale Market Service Rate	184,870	0.0036	665.53	184,853	0.0036	665.47	-0.06	-0.01%	2.27%
Rural Rate Protection Charge	184,870	0.0021	388.23	184,853	0.0021	388.19	-0.04	-0.01%	1.32%
Ontario Electricity Support Program Charge	184,870	0.0011	203.36	184,853	0.0011	203.34	-0.02	-0.01%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,257.37			1,257.25	-0.12	-0.01%	4.28%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.17%
Total Electricity Charge on Two-Tier RPP (before HST)			25,761.32			25,979.76	218.45	0.85%	88.50%
HST		0.13	3,348.97		0.13	3,377.37	28.40	0.85%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			29,110.29			29,357.13	246.85	0.85%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			29,110.29			29,357.13	246.85	0.85%	100.00%

2021 Bill Impacts (Low Consumption Level)

Rate Class	AGSd	HCHI GS >50
Monthly Consumption (kWh)	15,000	15,000
Peak (kW)	60	60
Loss factor	1.056	1.066
Load factor	34%	34%
Commodity Threshold	0	750
Monthly Consumption (kWh) - Uplifted	15,845	15,983
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 86 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,983	0.103	1,646.20	15,845	0.103	1,631.98	-14.21	-0.86%	56.34%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,646.20			1,631.98	-14.21	-0.86%	56.34%
Service Charge	1	83.61	83.61	1	208.51	208.51	124.90	149.38%	7.20%
Fixed Acquisition Agreement Rider	1	-0.84	-0.84	1	0.00	0.00	0.84	-100.00%	0.00%
Distribution Volumetric Rate	60	3.9339	236.03	60	5.1400	308.40	72.37	30.66%	10.65%
Low Voltage Service Rate	60	0.1550	9.30	60	0.0000	0.00	-9.30	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	60	-0.0393	-2.36	60	0.0000	0.00	2.36	-100.00%	0.00%
Sub-Total: Distribution			325.75			516.91	191.16	58.68%	17.85%
Retail Transmission Rate – Network Service Rate	60	2.5038	150.23	60	1.8483	110.90	-39.33	-26.18%	3.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	2.1172	127.03	60	1.5101	90.61	-36.43	-28.68%	3.13%
Sub-Total: Retail Transmission			277.26			201.50	-75.76	-27.32%	6.96%
Sub-Total: Delivery			603.01			718.41	115.40	19.14%	24.80%
Wholesale Market Service Rate	15,983	0.0036	57.54	15,845	0.0036	57.04	-0.50	-0.86%	1.97%
Rural Rate Protection Charge	15,983	0.0021	33.56	15,845	0.0021	33.27	-0.29	-0.86%	1.15%
Ontario Electricity Support Program Charge	15,983	0.0011	17.58	15,845	0.0011	17.43	-0.15	-0.86%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.93			107.99	-0.94	-0.86%	3.73%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.62%
Total Electricity Charge on Two-Tier RPP (before HST)			2,463.14			2,563.39	100.25	4.07%	88.50%
HST		0.13	320.21		0.13	333.24	13.03	4.07%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,783.35			2,896.63	113.28	4.07%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,783.35			2,896.63	113.28	4.07%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	AGSd	HCHI GS >50
Monthly Consumption (kWh)	50,917	50,917
Peak (kW)	143	143
Loss factor	1.0563	1.0655
Load factor	49%	49%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	53,783	54,252
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 87 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	54,252	0.103	5,587.91	53,783	0.103	5,539.66	-48.25	-0.86%	63.77%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,587.91			5,539.66	-48.25	-0.86%	63.77%
Service Charge	1	83.61	83.61	1	208.51	208.51	124.90	149.38%	2.40%
Fixed Acquisition Agreement Rider	1	-0.84	-0.84	1	0.00	0.00	0.84	-100.00%	0.00%
Distribution Volumetric Rate	143	3.9339	563.40	143	5.1400	736.13	172.73	30.66%	8.47%
Low Voltage Service Rate	143	0.1550	22.20	143	0.0000	0.00	-22.20	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	143	-0.0393	-5.63	143	0.0000	0.00	5.63	-100.00%	0.00%
Sub-Total: Distribution			662.74			944.64	281.90	42.54%	10.87%
Retail Transmission Rate – Network Service Rate	143	2.5038	358.59	143	1.8483	264.71	-93.88	-26.18%	3.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	143	2.1172	303.22	143	1.5101	216.27	-86.95	-28.68%	2.49%
Sub-Total: Retail Transmission			661.81			480.98	-180.83	-27.32%	5.54%
Sub-Total: Delivery			1,324.55			1,425.61	101.07	7.63%	16.41%
Wholesale Market Service Rate	54,252	0.0036	195.31	53,783	0.0036	193.62	-1.69	-0.86%	2.23%
Rural Rate Protection Charge	54,252	0.0021	113.93	53,783	0.0021	112.94	-0.98	-0.86%	1.30%
Ontario Electricity Support Program Charge	54,252	0.0011	59.68	53,783	0.0011	59.16	-0.52	-0.86%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			369.16			365.98	-3.19	-0.86%	4.21%
Debt Retirement Charge (DRC)	50,917	0.007	356.42	50,917	0.007	356.42	0.00	0.00%	4.10%
Total Electricity Charge on Two-Tier RPP (before HST)			7,638.04			7,687.67	49.63	0.65%	88.50%
HST		0.13	992.94		0.13	999.40	6.45	0.65%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			8,630.98			8,687.07	56.09	0.65%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			8,630.98			8,687.07	56.09	0.65%	100.00%

2021 Bill Impacts (High Consumption Level)

Rate Class	AGSd	HCHI GS >50
Monthly Consumption (kWh)	175,000	175,000
Peak (kW)	500	500
Loss factor	1.056	1.066
Load factor	48%	48%
Commodity Threshold	0	0
Monthly Consumption (kWh) - Uplifted	184,853	186,463
Charge determinant	kW	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 88 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	186,463	0.103	19,205.64	184,853	0.103	19,039.81	-165.83	-0.86%	64.86%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,205.64			19,039.81	-165.83	-0.86%	64.86%
Service Charge	1	83.61	83.61	1	208.51	208.51	124.90	149.38%	0.71%
Fixed Acquisition Agreement Rider	1	-0.8400	-0.84	1	0.00	0.00	0.84	-100.00%	0.00%
Distribution Volumetric Rate	500	3.9339	1,966.95	500	5.1400	2,570.00	603.05	30.66%	8.75%
Low Voltage Service Rate	500	0.1550	77.50	500	0.0000	0.00	-77.50	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	500	-0.0393	-19.65	500	0.0000	0.00	19.65	-100.00%	0.00%
Sub-Total: Distribution			2,107.57			2,778.51	670.94	31.83%	9.46%
Retail Transmission Rate – Network Service Rate	500	2.5038	1,251.92	500	1.8483	924.15	-327.77	-26.18%	3.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.1172	1,058.62	500	1.5101	755.05	-303.57	-28.68%	2.57%
Sub-Total: Retail Transmission			2,310.54			1,679.20	-631.34	-27.32%	5.72%
Sub-Total: Delivery			2,107.57			4,457.71	2,350.14	111.51%	15.18%
Wholesale Market Service Rate	186,463	0.0036	671.27	184,853	0.0036	665.47	-5.80	-0.86%	2.27%
Rural Rate Protection Charge	186,463	0.0021	391.57	184,853	0.0021	388.19	-3.38	-0.86%	1.32%
Ontario Electricity Support Program Charge	186,463	0.0011	205.11	184,853	0.0011	203.34	-1.77	-0.86%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,268.20			1,257.25	-10.95	-0.86%	4.28%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.17%
Total Electricity Charge on Two-Tier RPP (before HST)			26,116.94			25,979.76	-137.17	-0.53%	88.50%
HST		0.13	3,395.20		0.13	3,377.37	-17.83	-0.53%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			29,512.14			29,357.13	-155.01	-0.53%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			29,512.14			29,357.13	-155.01	-0.53%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	USL	WHSI_USL
Monthly Consumption (kWh)	1,545	1,545
Peak (kW)	0	0
Loss factor	1.092	1.043
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1,687	1,611
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 89 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	23.58%
Energy Second Tier (kWh)	795	0.121	96.18	795	0.121	96.18	0.00	0.00%	29.36%
Sub-Total: Energy (RPP)			173.43			173.43	0.00	0.00%	52.95%
Service Charge	1	10.53	10.53	1	37.50	37.50	26.97	256.13%	11.45%
Fixed Acquisition Agreement Rider	1	-0.11	-0.11	1	0.00	0.00	0.11	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	-0.01	-0.01	-0.01	0.00%	0.00%
Distribution Volumetric Rate	1,545	0.0122	18.85	1,545	0.0304	46.96	28.12	149.18%	14.34%
Volumetric Acquisition Agreement Rider	1,545	-0.0001	-0.15	1,545	0.0000	0.00	0.15	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,545	0.0000	0.00		0.0002	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			29.11			84.45	55.34	190.09%	25.78%
Line Losses on Cost of Power	67	0.121	8.06	142	0.121	17.20	9.14	113.46%	5.25%
Sub-Total: Distribution			37.17			101.65	64.48	173.48%	31.03%
Retail Transmission Rate – Network Service Rate	1,611	0.0065	10.47	1,687	0.0047	7.93	-2.55	-24.30%	2.42%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,611	0.0053	8.48	1,687	0.0038	6.41	-2.06	-24.36%	1.96%
Sub-Total: Retail Transmission			18.95			14.34	-4.61	-24.33%	4.38%
Sub-Total: Delivery			56.12			115.99	59.87	106.69%	35.41%
Wholesale Market Service Rate	1,611	0.0036	5.80	1,687	0.0036	6.07	0.27	4.69%	1.85%
Rural Rate Protection Charge	1,611	0.0021	3.38	1,687	0.0021	3.54	0.16	4.69%	1.08%
Ontario Electricity Support Program Charge	1,611	0.0011	1.77	1,687	0.0011	1.86	0.08	4.69%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%
Sub-Total: Regulatory			11.21			11.72	0.51	4.58%	3.58%
Debt Retirement Charge (DRC)	1,545	0.007	10.81	1,545	0.007	10.81	0.00	0.00%	3.30%
Total Electricity Charge on Two-Tier RPP (before HST)			251.57			311.96	60.39	24.00%	95.24%
HST		0.13	32.70		0.13	40.55	7.85	24.00%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			284.28			352.51	68.24	24.00%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-20.13		-0.08	-24.96	-4.83	24.00%	-7.62%
Total Amount on Two-Tier RPP			264.15			327.56	63.41	24.00%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	USL	NPDI_USL
Monthly Consumption (kWh)	945	945
Peak (kW)	0	0
Loss factor	1.092	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1032	999
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 90 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	36.69%
Energy Second Tier (kWh)	195	0.121	23.64	195	0.121	23.64	0.00	0.00%	11.23%
Sub-Total: Energy (RPP)			100.89			100.89	0.00	0.00%	47.92%
Service Charge	1	15.49	15.49	1	37.50	37.50	22.01	142.09%	17.81%
Fixed Acquisition Agreement Rider	1	-0.22	-0.22	1	0.00	0.00	0.22	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	-0.01	-0.01	-0.01	0.00%	0.00%
Distribution Volumetric Rate	945	0.0087	8.22	945	0.0304	28.74	20.51	249.43%	13.65%
Low Voltage Service Rate	945	0.0008	0.76	945	0.0000	0.00	-0.76	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	945	-0.0001	-0.09	945	0.0000	0.00	0.09	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	945	0.0000	0.00	945	0.0002	0.19	0.19	0.00%	0.09%
Sub-Total: Distribution (excluding pass through)			24.16			66.42	42.26	174.95%	31.55%
Line Losses on Cost of Power	53	0.121	6.45	87	0.121	10.52	4.07	63.12%	5.00%
Sub-Total: Distribution			30.61			76.94	46.33	151.38%	36.55%
Retail Transmission Rate – Network Service Rate	999	0.0063	6.29	1,032	0.0047	4.85	-1.44	-22.88%	2.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	999	0.0031	3.10	1,032	0.0038	3.92	0.83	26.71%	1.86%
Sub-Total: Retail Transmission			9.39			8.77	-0.61	-6.53%	4.17%
Sub-Total: Delivery			40.00			85.72	45.72	114.32%	40.72%
Wholesale Market Service Rate	999	0.0036	3.60	1,032	0.0036	3.72	0.12	3.37%	1.77%
Rural Rate Protection Charge	999	0.0021	2.10	1,032	0.0021	2.17	0.07	3.37%	1.03%
Ontario Electricity Support Program Charge	999	0.0011	1.10	1,032	0.0011	1.14	0.04	3.37%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%
Sub-Total: Regulatory			7.04			7.27	0.23	3.25%	3.45%
Debt Retirement Charge (DRC)	945	0.007	6.62	945	0.007	6.62	0.00	0.00%	3.14%
Total Electricity Charge on Two-Tier RPP (before HST)			154.54			200.49	45.95	29.73%	95.24%
HST		0.13	20.09		0.13	26.06	5.97	29.73%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			174.64			226.56	51.92	29.73%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.36		-0.08	-16.04	-3.68	29.73%	-7.62%
Total Amount on Two-Tier RPP			162.27			210.52	48.25	29.73%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	USL	HCHI_USL
Monthly Consumption (kWh)	551	551
Peak (kW)	0	0
Loss factor	1.092	1.066
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	601	587
Charge determinant	kWh	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 91 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	551	0.103	56.73	551	0.103	56.73	0.00	0.00%	41.69%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			56.73			56.73	0.00	0.00%	41.69%
Service Charge	1	19.51	19.51	1	37.50	37.50	17.99	92.21%	27.56%
Fixed Acquisition Agreement Rider	1	-0.20	-0.20	1	0.00	0.00	0.20	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	-0.01	-0.01	-0.01	0.00%	-0.01%
Distribution Volumetric Rate	551	0.0025	1.38	551	0.0304	16.74	15.37	1116.00%	12.30%
Low Voltage Service Rate	551	0.0004	0.22	551	0.0000	0.00	-0.22	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	551	0.0000	0.00	551	0.0002	0.11	0.11	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			20.89			54.34	33.45	160.13%	39.94%
Line Losses on Cost of Power	36	0.103	3.72	51	0.103	5.22	1.50	40.46%	3.84%
Sub-Total: Distribution			24.61			59.56	34.96	142.06%	43.77%
Retail Transmission Rate – Network Service Rate	587	0.0059	3.45	601	0.0047	2.83	-0.62	-17.95%	2.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	587	0.0050	2.93	601	0.0038	2.29	-0.65	-22.10%	1.68%
Sub-Total: Retail Transmission			6.38			5.11	-1.27	-19.86%	3.76%
Sub-Total: Delivery			30.98			64.67	33.69	108.73%	47.53%
Wholesale Market Service Rate	587	0.0036	2.11	601	0.0036	2.17	0.05	2.49%	1.59%
Rural Rate Protection Charge	587	0.0021	1.23	601	0.0021	1.26	0.03	2.49%	0.93%
Ontario Electricity Support Program Charge	587	0.0011	0.65	601	0.0011	0.66	0.02	2.49%	0.49%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%
Sub-Total: Regulatory			4.24			4.34	0.10	2.34%	3.19%
Debt Retirement Charge (DRC)	551	0.007	3.86	551	0.007	3.86	0.00	0.00%	2.83%
Total Electricity Charge on Two-Tier RPP (before HST)			95.81			129.59	33.79	35.27%	95.24%
HST		0.13	12.45		0.13	16.85	4.39	35.27%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			108.26			146.44	38.18	35.27%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.66		-0.08	-10.37	-2.70	35.27%	-7.62%
Total Amount on Two-Tier RPP			100.60			136.07	35.48	35.27%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	St Lgt	WHSI_St Lgt
Monthly Consumption (kWh)	76,826	76,826
Peak (kW)		211
Loss factor	1.092	1.0431
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	83894	80138
Charge determinant	kWh	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 92 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	0.37%
Energy Second Tier (kWh)	76,076	0.121	9,205.24	76,076	0.121	9,205.24	0.00	0.00%	43.59%
Sub-Total: Energy (RPP)			9,282.49			9,282.49	0.00	0.00%	43.95%
Service Charge	810	3.09	2,502.90	1	4.77	4.77	-2,498.13	-99.81%	0.02%
Fixed Acquisition Agreement Rider	810	-0.03	-24.30	1	0.00	0.00	24.30	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	810	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	211	12.4552	2,625.19	76,826	0.107	8,220.42	5,595.24	213.14%	38.93%
Volumetric Acquisition Agreement Rider	211	-0.1246	-26.26	76,826	0.0000	0.00	26.26	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	211	0.0000	0.00	76,826	0.0002	15.37	15.37	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			5,077.52			8,240.56	3,163.03	62.29%	39.02%
Line Losses on Cost of Power	3,311	0.121	400.66	7,068	0.121	855.23	454.57	113.46%	4.05%
Sub-Total: Distribution			5,478.18			9,095.79	3,617.61	66.04%	43.07%
Retail Transmission Rate – Network Service Rate	210.8	2.0614	434.48	83,894	0.0038	321.82	-112.66	-25.93%	1.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	210.8	1.6581	349.48	83,894	0.0036	304.03	-45.44	-13.00%	1.44%
Sub-Total: Retail Transmission			783.96			625.85	-158.10	-20.17%	2.96%
Sub-Total: Delivery			6,262.14			9,721.64	3,459.50	55.24%	46.03%
Wholesale Market Service Rate	80,138	0.0036	288.50	83,894	0.0036	302.02	13.52	4.69%	1.43%
Rural Rate Protection Charge	80,138	0.0021	168.29	83,894	0.0021	176.18	7.89	4.69%	0.83%
Ontario Electricity Support Program Charge	80,138	0.0011	88.15	83,894	0.0011	92.28	4.13	4.69%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			545.19			570.73	25.55	4.69%	2.70%
Debt Retirement Charge (DRC)	76,826	0.007	537.78	76,826	0.007	537.78	0.00	0.00%	2.55%
Total Electricity Charge on Two-Tier RPP (before HST)			16,627.60			20,112.65	3,485.05	20.96%	95.24%
HST		0.13	2,161.59		0.13	2,614.64	453.06	20.96%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			18,789.19			22,727.30	3,938.11	20.96%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1,330.21		-0.08	-1,609.01	-278.80	20.96%	-7.62%
Total Amount on Two-Tier RPP			17,458.98			21,118.28	3,659.30	20.96%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	St Lgt	NPDI St Lgt
Monthly Consumption (kWh)	1,368	1,368
Peak (kW)		4.13
Loss factor	1.092	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	1,494	1,445
Charge determinant	kWh	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 93 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	21.04%
Energy Second Tier (kWh)	618	0.121	74.74	618	0.121	74.74	0.00	0.00%	20.35%
Sub-Total: Energy (RPP)			151.99			151.99	0.00	0.00%	41.39%
Service Charge	21	1.97	41.37	1	4.77	4.77	-36.60	-88.47%	1.30%
Fixed Acquisition Agreement Rider	21	-0.03	-0.63	1	0.00	0.00	0.63	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	21	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	4	7.4269	30.65	1,368	0.107	146.34	115.69	377.40%	39.85%
Low Voltage Service Rate	4	0.2358	0.97	1,368	0.0000	0.00	-0.97	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	4	-0.1094	-0.45	1,368	0.0000	0.00	0.45	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	4	0.0000	0.00	1,368	0.0002	0.27	0.27	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			71.92			151.39	79.47	110.51%	41.23%
Line Losses on Cost of Power	77	0.121	9.33	126	0.121	15.23	5.89	63.12%	4.15%
Sub-Total: Distribution			81.25			166.61	85.36	105.06%	45.37%
Retail Transmission Rate – Network Service Rate	4	1.9197	7.92	1,494	0.0038	5.73	-2.19	-27.69%	1.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	4	0.9575	3.95	1,494	0.0036	5.41	1.46	36.96%	1.47%
Sub-Total: Retail Transmission			11.88			11.14	-0.73	-6.18%	3.03%
Sub-Total: Delivery			93.12			177.75	84.63	90.88%	48.41%
Wholesale Market Service Rate	1,445	0.0036	5.20	1,494	0.0036	5.38	0.18	3.37%	1.46%
Rural Rate Protection Charge	1,445	0.0021	3.03	1,494	0.0021	3.14	0.10	3.37%	0.85%
Ontario Electricity Support Program Charge	1,445	0.0011	1.59	1,494	0.0011	1.64	0.05	3.37%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%
Sub-Total: Regulatory			10.07			10.41	0.33	3.29%	2.83%
Debt Retirement Charge (DRC)	1,368	0.007	9.57	1,368	0.007	9.57	0.00	0.00%	2.61%
Total Electricity Charge on Two-Tier RPP (before HST)			264.76			349.72	84.96	32.09%	95.24%
HST		0.13	34.42		0.13	45.46	11.04	32.09%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			299.18			395.19	96.00	32.09%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-21.18		-0.08	-27.98	-6.80	32.09%	-7.62%
Total Amount on Two-Tier RPP			278.00			367.21	89.21	32.09%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	St Lgt	HCHI St Lgt
Monthly Consumption (kWh)	105,612	105,612
Peak (kW)		274
Loss factor	1.092	1.0655
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	115328	112529
Charge determinant	kWh	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 94 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	0.27%
Energy Second Tier (kWh)	104,862	0.121	12,688.25	104,862	0.121	12,688.25	0.00	0.00%	43.70%
Sub-Total: Energy (RPP)			12,765.50			12,765.50	0.00	0.00%	43.97%
Service Charge	1,847	5.70	10,527.90	1	4.77	4.77	-10,523.13	-99.95%	0.02%
Fixed Acquisition Agreement Rider	1,847	-0.06	-110.82	1	0.00	0.00	110.82	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1,847	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	274	14.5882	3,998.54	105,612	0.107	11,300.44	7,301.90	182.61%	38.92%
Low Voltage Service Rate	274	0.1130	30.97	105,612	0.0000	0.00	-30.97	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	274	-0.1459	-39.99	105,612	0.0000	0.00	39.99	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	274	0.0000	0.00	105,612	0.0002	21.12	21.12	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			14,406.60			11,326.33	-3,080.27	-21.38%	39.01%
Line Losses on Cost of Power	6,918	0.121	837.02	9,716	0.121	1,175.67	338.64	40.46%	4.05%
Sub-Total: Distribution			15,243.62			12,502.00	-2,741.62	-17.99%	43.06%
Retail Transmission Rate – Network Service Rate	274	1.8085	495.69	115,328	0.0038	442.40	-53.30	-10.75%	1.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	274	1.5210	416.89	115,328	0.0036	417.95	1.05	0.25%	1.44%
Sub-Total: Retail Transmission			912.59			860.35	-52.24	-5.72%	2.96%
Sub-Total: Delivery			16,156.21			13,362.35	-2,793.86	-17.29%	46.02%
Wholesale Market Service Rate	112,529	0.0036	405.10	115,328	0.0036	415.18	10.08	2.49%	1.43%
Rural Rate Protection Charge	112,529	0.0021	236.31	115,328	0.0021	242.19	5.88	2.49%	0.83%
Ontario Electricity Support Program Charge	112,529	0.0011	123.78	115,328	0.0011	126.86	3.08	2.49%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			765.45			784.48	19.03	2.49%	2.70%
Debt Retirement Charge (DRC)	105,612	0.007	739.28	105,612	0.007	739.28	0.00	0.00%	2.55%
Total Electricity Charge on Two-Tier RPP (before HST)			30,426.44			27,651.61	-2,774.83	-9.12%	95.24%
HST		0.13	3,955.44		0.13	3,594.71	-360.73	-9.12%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			34,381.88			31,246.32	-3,135.56	-9.12%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-2,434.12		-0.08	-2,212.13	221.99	-9.12%	-7.62%
Total Amount on Two-Tier RPP			31,947.76			29,034.19	-2,913.58	-9.12%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Sen Lgt	NPDI_Sen Lgt
Monthly Consumption (kWh)	126	126
Peak (kW)	0	0.5
Loss factor	1.092	1.0564
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	138	133
Charge determinant	kWh	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 95 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	126	0.103	12.98	126	0.103	12.98	0.00	0.00%	32.75%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			12.98			12.98	0.00	0.00%	32.75%
Service Charge	1	6.53	6.53	1	3.6	3.60	-2.93	-44.87%	9.08%
Fixed Acquisition Agreement Rider	1	-0.09	-0.09	1	0.00	0.00	0.09	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	0.5	19.433	8.83	126	0.1338	16.86	8.04	91.03%	42.55%
Low Voltage Service Rate	0.5	0.2407	0.11	126	0.0000	0.00	-0.11	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	0.5	-0.2862	-0.13	126	0.0000	0.00	0.13	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	0.5	0.0000	0.00	126	0.0001	0.01	0.01	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			15.25			20.47	5.23	34.29%	51.66%
Line Losses on Cost of Power	7	0.103	0.73	12	0.103	1.19	0.46	63.12%	3.01%
Sub-Total: Distribution			15.98			21.67	5.69	35.61%	54.68%
Retail Transmission Rate – Network Service Rate	0.5	1.9294	0.88	138	0.0038	0.53	-0.35	-39.76%	1.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.5	0.9774	0.44	138	0.0036	0.50	0.05	12.34%	1.26%
Sub-Total: Retail Transmission			1.32			1.03	-0.29	-22.24%	2.59%
Sub-Total: Delivery			17.30			22.70	5.40	31.20%	57.27%
Wholesale Market Service Rate	133	0.0036	0.48	138	0.0036	0.50	0.02	3.37%	1.25%
Rural Rate Protection Charge	133	0.0021	0.28	138	0.0021	0.29	0.01	3.37%	0.73%
Ontario Electricity Support Program Charge	133	0.0011	0.15	138	0.0011	0.15	0.00	3.37%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.63%
Sub-Total: Regulatory			1.16			1.19	0.03	2.64%	2.99%
Debt Retirement Charge (DRC)	126	0.007	0.88	126	0.007	0.88	0.00	0.00%	2.23%
Total Electricity Charge on Two-Tier RPP (before HST)			32.32			37.74	5.43	16.79%	95.24%
HST		0.13	4.20		0.13	4.91	0.71	16.79%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			36.52			42.65	6.13	16.79%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-2.59		-0.08	-3.02	-0.43	16.79%	-7.62%
Total Amount on Two-Tier RPP			33.93			39.63	5.70	16.79%	100.00%

2021 Bill Impacts (Average Consumption Level)

Rate Class	Sen Lgt	HCHI_Sen Lgt
Monthly Consumption (kWh)	131	131
Peak (kW)	0	0
Loss factor	1.092	1.0655
Commodity Threshold	750	750
Monthly Consumption (kWh) - Uplifted	143	140
Charge determinant	kWh	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 4
Page 96 of 96

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	131	0.103	13.50	131	0.103	13.50	0.00	0.00%	32.88%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13.50			13.50	0.00	0.00%	32.88%
Service Charge	1	14.23	14.23	1	3.6	3.60	-10.63	-74.70%	8.77%
Fixed Acquisition Agreement Rider	1	-0.14	-0.14	1	0.00	0.00	0.14	-100.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	0.34	36.726	12.49	131	0.1338	17.54	5.04	40.38%	42.72%
Low Voltage Service Rate	0.34	0.1099	0.04	131	0.0000	0.00	-0.04	-100.00%	0.00%
Volumetric Acquisition Agreement Rider	0.34	-0.3673	-0.12	131	0.0000	0.00	0.12	-100.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	0.34	0.0000	0.00	131	0.0001	0.01	0.01	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			26.50			21.15	-5.34	-20.17%	51.52%
Line Losses on Cost of Power	9	0.103	0.88	12	0.103	1.24	0.36	40.46%	3.03%
Sub-Total: Distribution			27.38			22.39	-4.99	-18.21%	54.54%
Retail Transmission Rate – Network Service Rate	0.34	1.8176	0.62	143	0.0038	0.55	-0.07	-11.20%	1.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.34	1.5528	0.53	143	0.0036	0.52	-0.01	-1.80%	1.26%
Sub-Total: Retail Transmission			1.15			1.07	-0.08	-6.87%	2.60%
Sub-Total: Delivery			28.53			23.46	-5.07	-17.76%	57.14%
Wholesale Market Service Rate	140	0.0036	0.50	143	0.0036	0.52	0.01	2.49%	1.26%
Rural Rate Protection Charge	140	0.0021	0.29	143	0.0021	0.30	0.01	2.49%	0.73%
Ontario Electricity Support Program Charge	140	0.0011	0.15	143	0.0011	0.16	0.00	2.49%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.61%
Sub-Total: Regulatory			1.20			1.22	0.02	1.97%	2.98%
Debt Retirement Charge (DRC)	131	0.007	0.92	131	0.007	0.92	0.00	0.00%	2.23%
Total Electricity Charge on Two-Tier RPP (before HST)			44.15			39.10	-5.04	-11.42%	95.24%
HST		0.13	5.74		0.13	5.08	-0.66	-11.42%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			49.88			44.19	-5.70	-11.42%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-3.53		-0.08	-3.13	0.40	-11.42%	-7.62%
Total Amount on Two-Tier RPP			46.35			41.06	-5.29	-11.42%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	370
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 1 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	40.68%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	40.68%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		21.54%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		8.55%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		12.34%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	44.00%	42.44%
Service Charge	1	36.72	36.72	1	37.47	37.47	0.75	2.04%	42.29%	40.79%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	350	0	0.00	350	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			36.80			37.55	0.75	2.04%	42.38%	40.87%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.89%	0.86%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.10	2.05	20	0.10	2.05	0.00	0.00%	2.32%	2.24%
Line Losses on Cost of Power (based on TOU prices)	20	0.11	2.22	20	0.11	2.22	0.00	0.00%	2.51%	2.42%
Sub-Total: Distribution (based on two-tier RPP prices)			39.64			40.39	0.75	1.89%	45.59%	43.97%
Sub-Total: Distribution (based on TOU prices)			39.81			40.56	0.75	1.88%	45.78%	44.15%
Retail Transmission Rate – Network Service Rate	370	0.0077	2.85	370	0.0077	2.85	0.00	0.00%	3.21%	3.10%
Retail Transmission Rate – Line and Transformation Connection \$	370	0.0063	2.33	370	0.0063	2.33	0.00	0.00%	2.63%	2.54%
Sub-Total: Retail Transmission			5.18			5.18	0.00	0.00%	5.85%	5.64%
Sub-Total: Delivery (based on two-tier RPP prices)			44.82			45.57	0.75	1.67%	51.43%	49.61%
Sub-Total: Delivery (based on TOU prices)			44.99			45.74	0.75	1.67%	51.62%	49.79%
Wholesale Market Service Rate	370	0.0036	1.33	370	0.0036	1.33	0.00	0.00%	1.50%	1.45%
Rural Rate Protection Charge	370	0.0021	0.78	370	0.0021	0.78	0.00	0.00%	0.88%	0.85%
Ontario Electricity Support Program Charge	370	0.0011	0.41	370	0.0011	0.41	0.00	0.00%	0.46%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.28%	0.27%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	3.12%	3.01%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			83.64			84.39	0.75	0.90%	95.24%	
HST		0.13	10.87		0.13	10.97	0.10	0.90%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			94.51			95.36	0.85	0.90%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.69		-0.08	-6.75	-0.06	0.90%	-7.62%	
Total Amount on Two-Tier RPP			87.82			88.61	0.79	0.90%	100.00%	
Total Electricity Charge on TOU (before HST)			86.74			87.49	0.75	0.86%		95.24%
HST		0.13	11.28		0.13	11.37	0.10	0.86%		12.38%
Total Electricity Charge on TOU (including HST)			98.02			98.87	0.85	0.86%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.94		-0.08	-7.00	-0.06	0.86%		-7.62%
Total Amount on TOU			91.08			91.87	0.79	0.86%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	793
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 2 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	41.96%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.32%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	54.28%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		28.16%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.17%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.13%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	56.72%	55.46%
Service Charge	1	36.72	36.72	1	37.47	37.47	0.75	2.04%	25.44%	24.87%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	750	0	0.00	750	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			36.88			37.63	0.75	2.03%	25.55%	24.98%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.17	43	0.12	5.17	0.00	0.00%	3.51%	3.43%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.76	43	0.11	4.76	0.00	0.00%	3.23%	3.16%
Sub-Total: Distribution (based on two-tier RPP prices)			42.84			43.59	0.75	1.75%	29.60%	28.94%
Sub-Total: Distribution (based on TOU prices)			42.43			43.18	0.75	1.77%	29.32%	28.67%
Retail Transmission Rate – Network Service Rate	793	0.0077	6.10	793	0.0077	6.10	0.00	0.00%	4.14%	4.05%
Retail Transmission Rate – Line and Transformation Connection \$	793	0.0063	4.99	793	0.0063	4.99	0.00	0.00%	3.39%	3.32%
Sub-Total: Retail Transmission			11.10			11.10	0.00	0.00%	7.53%	7.37%
Sub-Total: Delivery (based on two-tier RPP prices)			53.94			54.69	0.75	1.39%	37.13%	36.31%
Sub-Total: Delivery (based on TOU prices)			53.53			54.28	0.75	1.40%	36.85%	36.03%
Wholesale Market Service Rate	793	0.0036	2.85	793	0.0036	2.85	0.00	0.00%	1.94%	1.89%
Rural Rate Protection Charge	793	0.0021	1.66	793	0.0021	1.66	0.00	0.00%	1.13%	1.11%
Ontario Electricity Support Program Charge	793	0.0011	0.87	793	0.0011	0.87	0.00	0.00%	0.59%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.64			5.64	0.00	0.00%	3.83%	3.74%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			139.53			140.28	0.75	0.54%	95.24%	
HST		0.13	18.14		0.13	18.24	0.10	0.54%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			157.67			158.52	0.85	0.54%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.16		-0.08	-11.22	-0.06	0.54%	-7.62%	
Total Amount on Two-Tier RPP			146.51			147.30	0.79	0.54%	100.00%	
Total Electricity Charge on TOU (before HST)			142.71			143.46	0.75	0.53%		95.24%
HST		0.13	18.55		0.13	18.65	0.10	0.53%		12.38%
Total Electricity Charge on TOU (including HST)			161.27			162.11	0.85	0.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.42		-0.08	-11.48	-0.06	0.53%		-7.62%
Total Amount on TOU			149.85			150.64	0.79	0.53%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	755
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	798
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 3 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	41.73%	
Energy Second Tier (kWh)	155	0.121	18.76	155	0.121	18.76	0.00	0.00%	12.67%	
Sub-Total: Energy (RPP)			80.56			80.56	0.00	0.00%	54.40%	
TOU-Off Peak	491	0.087	42.70	491	0.087	42.70	0.00	0.00%		28.21%
TOU-Mid Peak	128	0.132	16.94	128	0.132	16.94	0.00	0.00%		11.19%
TOU-On Peak	136	0.180	24.46	136	0.180	24.46	0.00	0.00%		16.16%
Sub-Total: Energy (TOU)			84.10			84.10	0.00	0.00%	56.79%	55.56%
Service Charge	1	36.72	36.72	1	37.47	37.47	0.75	2.04%	25.30%	24.75%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	755	0	0.00	755	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	755	0.0002	0.15	755	0.0002	0.15	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			36.88			37.63	0.75	2.03%	25.41%	24.86%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.53%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.21	43	0.12	5.21	0.00	0.00%	3.52%	3.44%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.79	43	0.11	4.79	0.00	0.00%	3.24%	3.17%
Sub-Total: Distribution (based on two-tier RPP prices)			42.88			43.63	0.75	1.75%	29.46%	28.82%
Sub-Total: Distribution (based on TOU prices)			42.46			43.21	0.75	1.77%	29.18%	28.55%
Retail Transmission Rate – Network Service Rate	798	0.0077	6.14	798	0.0077	6.14	0.00	0.00%	4.15%	4.06%
Retail Transmission Rate – Line and Transformation Connection S	798	0.0063	5.03	798	0.0063	5.03	0.00	0.00%	3.40%	3.32%
Sub-Total: Retail Transmission			11.17			11.17	0.00	0.00%	7.54%	7.38%
Sub-Total: Delivery (based on two-tier RPP prices)			54.05			54.80	0.75	1.39%	37.01%	36.20%
Sub-Total: Delivery (based on TOU prices)			53.64			54.39	0.75	1.40%	36.73%	35.93%
Wholesale Market Service Rate	798	0.0036	2.87	798	0.0036	2.87	0.00	0.00%	1.94%	1.90%
Rural Rate Protection Charge	798	0.0021	1.68	798	0.0021	1.68	0.00	0.00%	1.13%	1.11%
Ontario Electricity Support Program Charge	798	0.0011	0.88	798	0.0011	0.88	0.00	0.00%	0.59%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.68			5.68	0.00	0.00%	3.83%	3.75%
Debt Retirement Charge (DRC)	755	0.000	0.00	755	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			140.28			141.03	0.75	0.53%	95.24%	
HST		0.13	18.24		0.13	18.33	0.10	0.53%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			158.52			159.37	0.85	0.53%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.22		-0.08	-11.28	-0.06	0.53%	-7.62%	
Total Amount on Two-Tier RPP			147.30			148.08	0.79	0.53%	100.00%	
Total Electricity Charge on TOU (before HST)			143.41			144.16	0.75	0.52%		95.24%
HST		0.13	18.64		0.13	18.74	0.10	0.52%		12.38%
Total Electricity Charge on TOU (including HST)			162.06			162.90	0.85	0.52%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.47		-0.08	-11.53	-0.06	0.52%		-7.62%
Total Amount on TOU			150.58			151.37	0.79	0.52%		100.00%

2022 Bill Impacts (High Consumption Level)

Filed: 2017-03-31

EB-2017-0049

Exhibit H1-4-1

Attachment 5

Page 4 of 76

Rate Class	UR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1480
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	24.75%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	38.76%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	63.51%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		32.17%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		12.76%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		18.43%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	62.45%	63.36%
Service Charge	1	36.72	36.72	1	37.47	37.47	0.75	2.04%	15.00%	15.22%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0	0.00	1,400	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,400	0.0002	0.28	1,400	0.0002	0.28	0.00	0.00%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			37.01			37.76	0.75	2.03%	15.12%	15.34%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.12	9.66	80	0.12	9.66	0.00	0.00%	3.87%	3.92%
Line Losses on Cost of Power (based on TOU prices)	80	0.11	8.89	80	0.11	8.89	0.00	0.00%	3.56%	3.61%
Sub-Total: Distribution (based on two-tier RPP prices)			47.46			48.21	0.75	1.58%	19.30%	19.59%
Sub-Total: Distribution (based on TOU prices)			46.69			47.44	0.75	1.61%	19.00%	19.27%
Retail Transmission Rate – Network Service Rate	1,480	0.0077	11.39	1,480	0.0077	11.39	0.00	0.00%	4.56%	4.63%
Retail Transmission Rate – Line and Transformation Connection	1,480	0.0063	9.32	1,480	0.0063	9.32	0.00	0.00%	3.73%	3.79%
Sub-Total: Retail Transmission			20.72			20.72	0.00	0.00%	8.30%	8.42%
Sub-Total: Delivery (based on two-tier RPP prices)			68.17			68.92	0.75	1.10%	27.60%	28.00%
Sub-Total: Delivery (based on TOU prices)			67.41			68.16	0.75	1.11%	27.29%	27.69%
Wholesale Market Service Rate	1,480	0.0036	5.33	1,480	0.0036	5.33	0.00	0.00%	2.13%	2.16%
Rural Rate Protection Charge	1,480	0.0021	3.11	1,480	0.0021	3.11	0.00	0.00%	1.24%	1.26%
Ontario Electricity Support Program Charge	1,480	0.0011	1.63	1,480	0.0011	1.63	0.00	0.00%	0.65%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			10.31			10.31	0.00	0.00%	4.13%	4.19%
Debt Retirement Charge (DRC)	1,400	0.000	0.00	1,400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			237.09			237.84	0.75	0.32%	95.24%	
HST		0.13	30.82		0.13	30.92	0.10	0.32%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			267.91			268.75	0.85	0.32%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.97		-0.08	-19.03	-0.06	0.32%	-7.62%	
Total Amount on Two-Tier RPP			248.94			249.73	0.79	0.32%	100.00%	
Total Electricity Charge on TOU (before HST)			233.66			234.41	0.75	0.32%		95.24%
HST		0.13	30.38		0.13	30.47	0.10	0.32%		12.38%
Total Electricity Charge on TOU (including HST)			264.04			264.89	0.85	0.32%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.69		-0.08	-18.75	-0.06	0.32%		-7.62%
Total Amount on TOU			245.35			246.14	0.79	0.32%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	430
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 5 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	34.12%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	34.12%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		18.16%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		7.21%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		10.41%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	36.90%	35.78%
Service Charge	1	52.36	52.36	1	58.34	58.34	5.98	11.42%	48.32%	46.85%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0.0116	4.64	400	0.0066	2.64	-2.00	-43.10%	2.19%	2.12%
Volumetric Deferral/Variance Account Rider (including CBR Class	400	0.0002	0.08	400	0.0002	0.08	0.00	0.00%	0.07%	0.06%
Sub-Total: Distribution (excluding pass through)			57.08			61.06	3.98	6.97%	50.57%	49.03%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.65%	0.63%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.10	3.13	30	0.10	3.13	0.00	0.00%	2.59%	2.51%
Line Losses on Cost of Power (based on TOU prices)	30	0.11	3.39	30	0.11	3.39	0.00	0.00%	2.80%	2.72%
Sub-Total: Distribution (based on two-tier RPP prices)			61.00			64.98	3.98	6.52%	53.82%	52.18%
Sub-Total: Distribution (based on TOU prices)			61.26			65.24	3.98	6.50%	54.03%	52.38%
Retail Transmission Rate – Network Service Rate	430	0.0072	3.10	430	0.0072	3.10	0.00	0.00%	2.57%	2.49%
Retail Transmission Rate – Line and Transformation Connection \$	430	0.0059	2.54	430	0.0059	2.54	0.00	0.00%	2.10%	2.04%
Sub-Total: Retail Transmission			5.64			5.64	0.00	0.00%	4.67%	4.53%
Sub-Total: Delivery (based on two-tier RPP prices)			66.64			70.62	3.98	5.97%	58.49%	56.71%
Sub-Total: Delivery (based on TOU prices)			66.89			70.87	3.98	5.95%	58.70%	56.91%
Wholesale Market Service Rate	430	0.0036	1.55	430	0.0036	1.55	0.00	0.00%	1.28%	1.24%
Rural Rate Protection Charge	430	0.0021	0.90	430	0.0021	0.90	0.00	0.00%	0.75%	0.73%
Ontario Electricity Support Program Charge	430	0.0011	0.47	430	0.0011	0.47	0.00	0.00%	0.39%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			3.18			3.18	0.00	0.00%	2.63%	2.55%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			111.02			115.00	3.98	3.59%	95.24%	
HST		0.13	14.43		0.13	14.95	0.52	3.59%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			125.45			129.95	4.50	3.59%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.88		-0.08	-9.20	-0.32	3.59%	-7.62%	
Total Amount on Two-Tier RPP			116.57			120.75	4.18	3.59%	100.00%	
Total Electricity Charge on TOU (before HST)			114.63			118.61	3.98	3.47%		95.24%
HST		0.13	14.90		0.13	15.42	0.52	3.47%		12.38%
Total Electricity Charge on TOU (including HST)			129.53			134.03	4.50	3.47%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.17		-0.08	-9.49	-0.32	3.47%		-7.62%
Total Amount on TOU			120.36			124.54	4.18	3.47%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 6 of 76

Rate Class	R1
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	807
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	35.16%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	10.33%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	45.49%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		23.70%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		9.40%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		13.58%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	47.53%	46.68%
Service Charge	1	52.36	52.36	1	58.34	58.34	5.98	11.42%	33.19%	32.60%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0.0116	8.70	750	0.0066	4.95	-3.75	-43.10%	2.82%	2.77%
Volumetric Deferral/Variance Account Rider (including CBR Class	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.09%	0.08%
Sub-Total: Distribution (excluding pass through)			61.21			63.44	2.23	3.64%	36.10%	35.45%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.45%	0.44%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.12	6.90	57	0.12	6.90	0.00	0.00%	3.92%	3.85%
Line Losses on Cost of Power (based on TOU prices)	57	0.11	6.35	57	0.11	6.35	0.00	0.00%	3.61%	3.55%
Sub-Total: Distribution (based on two-tier RPP prices)			68.90			71.13	2.23	3.24%	40.47%	39.75%
Sub-Total: Distribution (based on TOU prices)			68.35			70.58	2.23	3.26%	40.16%	39.44%
Retail Transmission Rate – Network Service Rate	807	0.0072	5.81	807	0.0072	5.81	0.00	0.00%	3.31%	3.25%
Retail Transmission Rate – Line and Transformation Connection S	807	0.0059	4.76	807	0.0059	4.76	0.00	0.00%	2.71%	2.66%
Sub-Total: Retail Transmission			10.57			10.57	0.00	0.00%	6.01%	5.91%
Sub-Total: Delivery (based on two-tier RPP prices)			79.47			81.70	2.23	2.81%	46.48%	45.65%
Sub-Total: Delivery (based on TOU prices)			78.92			81.15	2.23	2.83%	46.17%	45.35%
Wholesale Market Service Rate	807	0.0036	2.91	807	0.0036	2.91	0.00	0.00%	1.65%	1.62%
Rural Rate Protection Charge	807	0.0021	1.69	807	0.0021	1.69	0.00	0.00%	0.96%	0.95%
Ontario Electricity Support Program Charge	807	0.0011	0.89	807	0.0011	0.89	0.00	0.00%	0.51%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Sub-Total: Regulatory			5.74			5.74	0.00	0.00%	3.26%	3.21%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			165.16			167.39	2.23	1.35%	95.24%	
HST		0.13	21.47		0.13	21.76	0.29	1.35%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			186.63			189.15	2.52	1.35%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.21		-0.08	-13.39	-0.18	1.35%	-7.62%	
Total Amount on Two-Tier RPP			173.41			175.76	2.34	1.35%	100.00%	
Total Electricity Charge on TOU (before HST)			168.20			170.43	2.23	1.33%		95.24%
HST		0.13	21.87		0.13	22.16	0.29	1.33%		12.38%
Total Electricity Charge on TOU (including HST)			190.07			192.59	2.52	1.33%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-13.46		-0.08	-13.63	-0.18	1.33%		-7.62%
Total Amount on TOU			176.61			178.95	2.34	1.33%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	920
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	990
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 7 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	30.29%	
Energy Second Tier (kWh)	320	0.121	38.72	320	0.121	38.72	0.00	0.00%	18.98%	
Sub-Total: Energy (RPP)			100.52			100.52	0.00	0.00%	49.27%	
TOU-Off Peak	598	0.087	52.03	598	0.087	52.03	0.00	0.00%		25.33%
TOU-Mid Peak	156	0.132	20.64	156	0.132	20.64	0.00	0.00%		10.05%
TOU-On Peak	166	0.180	29.81	166	0.180	29.81	0.00	0.00%		14.51%
Sub-Total: Energy (TOU)			102.48			102.48	0.00	0.00%	50.23%	49.90%
Service Charge	1	52.36	52.36	1	58.34	58.34	5.98	11.42%	28.59%	28.41%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	920	0.0116	10.67	920	0.0066	6.07	-4.60	-43.10%	2.98%	2.96%
Volumetric Deferral/Variance Account Rider (including CBR Class)	920	0.0002	0.18	920	0.0002	0.18	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			63.22			64.60	1.38	2.18%	31.66%	31.45%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.39%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	70	0.12	8.46	70	0.12	8.46	0.00	0.00%	4.15%	4.12%
Line Losses on Cost of Power (based on TOU prices)	70	0.11	7.79	70	0.11	7.79	0.00	0.00%	3.82%	3.79%
Sub-Total: Distribution (based on two-tier RPP prices)			72.47			73.85	1.38	1.90%	36.19%	35.96%
Sub-Total: Distribution (based on TOU prices)			71.79			73.17	1.38	1.92%	35.86%	35.63%
Retail Transmission Rate – Network Service Rate	990	0.0072	7.13	990	0.0072	7.13	0.00	0.00%	3.49%	3.47%
Retail Transmission Rate – Line and Transformation Connection \$	990	0.0059	5.84	990	0.0059	5.84	0.00	0.00%	2.86%	2.84%
Sub-Total: Retail Transmission			12.97			12.97	0.00	0.00%	6.36%	6.31%
Sub-Total: Delivery (based on two-tier RPP prices)			85.43			86.81	1.38	1.62%	42.55%	42.27%
Sub-Total: Delivery (based on TOU prices)			84.76			86.14	1.38	1.63%	42.22%	41.94%
Wholesale Market Service Rate	990	0.0036	3.56	990	0.0036	3.56	0.00	0.00%	1.75%	1.74%
Rural Rate Protection Charge	990	0.0021	2.08	990	0.0021	2.08	0.00	0.00%	1.02%	1.01%
Ontario Electricity Support Program Charge	990	0.0011	1.09	990	0.0011	1.09	0.00	0.00%	0.53%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			6.98			6.98	0.00	0.00%	3.42%	3.40%
Debt Retirement Charge (DRC)	920	0.000	0.00	920	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			192.94			194.32	1.38	0.72%	95.24%	
HST		0.13	25.08		0.13	25.26	0.18	0.72%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			218.02			219.58	1.56	0.72%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.43		-0.08	-15.55	-0.11	0.72%	-7.62%	
Total Amount on Two-Tier RPP			202.58			204.03	1.45	0.72%	100.00%	
Total Electricity Charge on TOU (before HST)			194.22			195.60	1.38	0.71%		95.24%
HST		0.13	25.25		0.13	25.43	0.18	0.71%		12.38%
Total Electricity Charge on TOU (including HST)			219.47			221.03	1.56	0.71%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.54		-0.08	-15.65	-0.11	0.71%		-7.62%
Total Amount on TOU			203.93			205.38	1.45	0.71%		100.00%

2022 Bill Impacts (High Consumption Level)

Filed: 2017-03-31

EB-2017-0049

Exhibit H1-4-1

Attachment 5

Page 8 of 76

Rate Class	R1
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1937
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	17.64%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	41.44%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	59.08%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		29.75%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		11.80%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		17.04%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	57.22%	58.59%
Service Charge	1	52.36	52.36	1	58.34	58.34	5.98	11.42%	16.65%	17.05%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0116	20.88	1,800	0.0066	11.88	-9.00	-43.10%	3.39%	3.47%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,800	0.0002	0.36	1,800	0.0002	0.36	0.00	0.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			73.60			70.58	-3.02	-4.10%	20.14%	20.63%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.23%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.12	16.55	137	0.12	16.55	0.00	0.00%	4.72%	4.84%
Line Losses on Cost of Power (based on TOU prices)	137	0.11	15.24	137	0.11	15.24	0.00	0.00%	4.35%	4.45%
Sub-Total: Distribution (based on two-tier RPP prices)			90.94			87.92	-3.02	-3.32%	25.09%	25.69%
Sub-Total: Distribution (based on TOU prices)			89.63			86.61	-3.02	-3.37%	24.72%	25.31%
Retail Transmission Rate – Network Service Rate	1,937	0.0072	13.94	1,937	0.0072	13.94	0.00	0.00%	3.98%	4.08%
Retail Transmission Rate – Line and Transformation Connection \$	1,937	0.0059	11.43	1,937	0.0059	11.43	0.00	0.00%	3.26%	3.34%
Sub-Total: Retail Transmission			25.37			25.37	0.00	0.00%	7.24%	7.41%
Sub-Total: Delivery (based on two-tier RPP prices)			116.31			113.29	-3.02	-2.60%	32.33%	33.11%
Sub-Total: Delivery (based on TOU prices)			115.00			111.98	-3.02	-2.63%	31.96%	32.72%
Wholesale Market Service Rate	1,937	0.0036	6.97	1,937	0.0036	6.97	0.00	0.00%	1.99%	2.04%
Rural Rate Protection Charge	1,937	0.0021	4.07	1,937	0.0021	4.07	0.00	0.00%	1.16%	1.19%
Ontario Electricity Support Program Charge	1,937	0.0011	2.13	1,937	0.0011	2.13	0.00	0.00%	0.61%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			13.42			13.42	0.00	0.00%	3.83%	3.92%
Debt Retirement Charge (DRC)	1,800	0.000	0.00	1,800	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			336.74			333.72	-3.02	-0.90%	95.24%	
HST		0.13	43.78		0.13	43.38	-0.39	-0.90%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			380.51			377.10	-3.41	-0.90%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.94		-0.08	-26.70	0.24	-0.90%	-7.62%	
Total Amount on Two-Tier RPP			353.57			350.40	-3.17	-0.90%	100.00%	
Total Electricity Charge on TOU (before HST)			328.92			325.90	-3.02	-0.92%		95.24%
HST		0.13	42.76		0.13	42.37	-0.39	-0.92%		12.38%
Total Electricity Charge on TOU (including HST)			371.68			368.27	-3.41	-0.92%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-26.31		-0.08	-26.07	0.24	-0.92%		-7.62%
Total Amount on TOU			345.37			342.20	-3.17	-0.92%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	497
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 9 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	450	0.103	46.35	450	0.103	46.35	0.00	0.00%	32.63%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			46.35			46.35	0.00	0.00%	32.63%	
TOU-Off Peak	293	0.087	25.45	293	0.087	25.45	0.00	0.00%		17.38%
TOU-Mid Peak	77	0.132	10.10	77	0.132	10.10	0.00	0.00%		6.90%
TOU-On Peak	81	0.180	14.58	81	0.180	14.58	0.00	0.00%		9.96%
Sub-Total: Energy (TOU)			50.13			50.13	0.00	0.00%	35.29%	34.23%
Service Charge	1	55.32	55.32	1	68.19	68.19	12.87	23.26%	48.01%	46.57%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	450	0.02	9.00	450	0.0117	5.27	-3.74	-41.50%	3.71%	3.60%
Volumetric Deferral/Variance Account Rider (including CBR Class	450	0.0002	0.09	450	0.0002	0.09	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			64.39			73.52	9.14	14.19%	51.76%	50.21%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.56%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.10	4.87	47	0.10	4.87	0.00	0.00%	3.43%	3.32%
Line Losses on Cost of Power (based on TOU prices)	47	0.11	5.26	47	0.11	5.26	0.00	0.00%	3.71%	3.59%
Sub-Total: Distribution (based on two-tier RPP prices)			70.05			79.18	9.14	13.04%	55.74%	54.08%
Sub-Total: Distribution (based on TOU prices)			70.44			79.58	9.14	12.97%	56.02%	54.35%
Retail Transmission Rate – Network Service Rate	497	0.0068	3.38	497	0.0068	3.38	0.00	0.00%	2.38%	2.31%
Retail Transmission Rate – Line and Transformation Connection \$	497	0.0055	2.73	497	0.0055	2.73	0.00	0.00%	1.93%	1.87%
Sub-Total: Retail Transmission			6.12			6.12	0.00	0.00%	4.31%	4.18%
Sub-Total: Delivery (based on two-tier RPP prices)			76.16			85.30	9.14	11.99%	60.05%	58.25%
Sub-Total: Delivery (based on TOU prices)			76.56			85.69	9.14	11.93%	60.33%	58.52%
Wholesale Market Service Rate	497	0.0036	1.79	497	0.0036	1.79	0.00	0.00%	1.26%	1.22%
Rural Rate Protection Charge	497	0.0021	1.04	497	0.0021	1.04	0.00	0.00%	0.74%	0.71%
Ontario Electricity Support Program Charge	497	0.0011	0.55	497	0.0011	0.55	0.00	0.00%	0.39%	0.37%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%	0.17%
Sub-Total: Regulatory			3.63			3.63	0.00	0.00%	2.56%	2.48%
Debt Retirement Charge (DRC)	450	0.000	0.00	450	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			126.14			135.28	9.14	7.24%	95.24%	
HST		0.13	16.40		0.13	17.59	1.19	7.24%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			142.54			152.87	10.32	7.24%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.09		-0.08	-10.82	-0.73	7.24%	-7.62%	
Total Amount on Two-Tier RPP			132.45			142.04	9.59	7.24%	100.00%	
Total Electricity Charge on TOU (before HST)			130.32			139.45	9.14	7.01%		95.24%
HST		0.13	16.94		0.13	18.13	1.19	7.01%		12.38%
Total Electricity Charge on TOU (including HST)			147.26			157.58	10.32	7.01%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.43		-0.08	-11.16	-0.73	7.01%		-7.62%
Total Amount on TOU			136.83			146.42	9.59	7.01%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	829
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 10 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	32.08%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	9.42%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	41.51%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		21.68%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		8.60%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		12.42%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	43.37%	42.71%
Service Charge	1	55.32	55.32	1	68.19	68.19	12.87	23.26%	35.40%	34.86%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	750	0.02	15.00	750	0.0117	8.78	-6.23	-41.50%	4.56%	4.49%
Volumetric Deferral/Variance Account Rider (including CBR Class)	750	0.0002	0.15	750	0.0002	0.15	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			70.45			77.09	6.65	9.43%	40.03%	39.42%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.41%	0.40%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.12	9.53	79	0.12	9.53	0.00	0.00%	4.95%	4.87%
Line Losses on Cost of Power (based on TOU prices)	79	0.11	8.77	79	0.11	8.77	0.00	0.00%	4.55%	4.48%
Sub-Total: Distribution (based on two-tier RPP prices)			80.77			87.41	6.65	8.23%	45.38%	44.69%
Sub-Total: Distribution (based on TOU prices)			80.01			86.66	6.65	8.31%	44.99%	44.30%
Retail Transmission Rate – Network Service Rate	829	0.0068	5.64	829	0.0068	5.64	0.00	0.00%	2.93%	2.88%
Retail Transmission Rate – Line and Transformation Connection \$	829	0.0055	4.56	829	0.0055	4.56	0.00	0.00%	2.37%	2.33%
Sub-Total: Retail Transmission			10.19			10.19	0.00	0.00%	5.29%	5.21%
Sub-Total: Delivery (based on two-tier RPP prices)			90.96			97.61	6.65	7.31%	50.67%	49.90%
Sub-Total: Delivery (based on TOU prices)			90.21			96.85	6.65	7.37%	50.28%	49.52%
Wholesale Market Service Rate	829	0.0036	2.98	829	0.0036	2.98	0.00	0.00%	1.55%	1.53%
Rural Rate Protection Charge	829	0.0021	1.74	829	0.0021	1.74	0.00	0.00%	0.90%	0.89%
Ontario Electricity Support Program Charge	829	0.0011	0.91	829	0.0011	0.91	0.00	0.00%	0.47%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			5.89			5.89	0.00	0.00%	3.06%	3.01%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			176.80			183.44	6.65	3.76%	95.24%	
HST		0.13	22.98		0.13	23.85	0.86	3.76%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			199.78			207.29	7.51	3.76%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-14.14		-0.08	-14.68	-0.53	3.76%	-7.62%	
Total Amount on Two-Tier RPP			185.64			192.61	6.98	3.76%	100.00%	
Total Electricity Charge on TOU (before HST)			179.63			186.28	6.65	3.70%		95.24%
HST		0.13	23.35		0.13	24.22	0.86	3.70%		12.38%
Total Electricity Charge on TOU (including HST)			202.99			210.49	7.51	3.70%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-14.37		-0.08	-14.90	-0.53	3.70%		-7.62%
Total Amount on TOU			188.61			195.59	6.98	3.70%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	1,152
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1273
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 11 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	23.50%	
Energy Second Tier (kWh)	552	0.121	66.79	552	0.121	66.79	0.00	0.00%	25.40%	
Sub-Total: Energy (RPP)			128.59			128.59	0.00	0.00%	48.90%	
TOU-Off Peak	749	0.087	65.15	749	0.087	65.15	0.00	0.00%		24.91%
TOU-Mid Peak	196	0.132	25.85	196	0.132	25.85	0.00	0.00%		9.89%
TOU-On Peak	207	0.180	37.32	207	0.180	37.32	0.00	0.00%		14.27%
Sub-Total: Energy (TOU)			128.32			128.32	0.00	0.00%	48.79%	49.08%
Service Charge	1	55.32	55.32	1	68.19	68.19	12.87	23.26%	25.93%	26.08%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	-0.01%	-0.01%
Distribution Volumetric Rate	1,152	0.02	23.04	1,152	0.0117	13.48	-9.56	-41.50%	5.13%	5.15%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,152	0.0002	0.23	1,152	0.0002	0.23	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			78.57			81.88	3.31	4.21%	31.13%	31.31%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.30%	0.30%
Line Losses on Cost of Power (based on two-tier RPP prices)	121	0.12	14.64	121	0.12	14.64	0.00	0.00%	5.57%	5.60%
Line Losses on Cost of Power (based on TOU prices)	121	0.11	13.47	121	0.11	13.47	0.00	0.00%	5.12%	5.15%
Sub-Total: Distribution (based on two-tier RPP prices)			94.00			97.30	3.31	3.52%	37.00%	37.21%
Sub-Total: Distribution (based on TOU prices)			92.83			96.14	3.31	3.56%	36.56%	36.77%
Retail Transmission Rate – Network Service Rate	1,273	0.0068	8.66	1,273	0.0068	8.66	0.00	0.00%	3.29%	3.31%
Retail Transmission Rate – Line and Transformation Connection \$	1,273	0.0055	7.00	1,273	0.0055	7.00	0.00	0.00%	2.66%	2.68%
Sub-Total: Retail Transmission			15.66			15.66	0.00	0.00%	5.95%	5.99%
Sub-Total: Delivery (based on two-tier RPP prices)			109.65			112.96	3.31	3.02%	42.95%	43.20%
Sub-Total: Delivery (based on TOU prices)			108.49			111.80	3.31	3.05%	42.51%	42.76%
Wholesale Market Service Rate	1,273	0.0036	4.58	1,273	0.0036	4.58	0.00	0.00%	1.74%	1.75%
Rural Rate Protection Charge	1,273	0.0021	2.67	1,273	0.0021	2.67	0.00	0.00%	1.02%	1.02%
Ontario Electricity Support Program Charge	1,273	0.0011	1.40	1,273	0.0011	1.40	0.00	0.00%	0.53%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			8.91			8.91	0.00	0.00%	3.39%	3.41%
Debt Retirement Charge (DRC)	1,152	0.000	0.00	1,152	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			247.15			250.46	3.31	1.34%	95.24%	
HST		0.13	32.13		0.13	32.56	0.43	1.34%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			279.28			283.02	3.74	1.34%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.77		-0.08	-20.04	-0.26	1.34%	-7.62%	
Total Amount on Two-Tier RPP			259.51			262.98	3.47	1.34%	100.00%	
Total Electricity Charge on TOU (before HST)			245.72			249.03	3.31	1.35%		95.24%
HST		0.13	31.94		0.13	32.37	0.43	1.35%		12.38%
Total Electricity Charge on TOU (including HST)			277.66			281.40	3.74	1.35%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.66		-0.08	-19.92	-0.26	1.35%		-7.62%
Total Amount on TOU			258.00			261.48	3.47	1.35%		100.00%

2022 Bill Impacts (High Consumption Level)

Filed: 2017-03-31

EB-2017-0049

Exhibit H1-4-1

Attachment 5

Page 12 of 76

Rate Class	R2
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2542
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	13.32%	
Energy Second Tier (kWh)	1,700	0.121	205.70	1,700	0.121	205.70	0.00	0.00%	44.34%	
Sub-Total: Energy (RPP)			267.50			267.50	0.00	0.00%	57.66%	
TOU-Off Peak	1,495	0.087	130.07	1,495	0.087	130.07	0.00	0.00%		28.93%
TOU-Mid Peak	391	0.132	51.61	391	0.132	51.61	0.00	0.00%		11.48%
TOU-On Peak	414	0.180	74.52	414	0.180	74.52	0.00	0.00%		16.57%
Sub-Total: Energy (TOU)			256.20			256.20	0.00	0.00%	55.22%	56.98%
Service Charge	1	55.32	55.32	1	68.19	68.19	12.87	23.26%	14.70%	15.17%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.02	46.00	2,300	0.0117	26.91	-19.09	-41.50%	5.80%	5.98%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,300	0.0002	0.46	2,300	0.0002	0.46	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			101.76			95.54	-6.22	-6.11%	20.59%	21.25%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.17%	0.18%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.12	29.22	242	0.12	29.22	0.00	0.00%	6.30%	6.50%
Line Losses on Cost of Power (based on TOU prices)	242	0.11	26.90	242	0.11	26.90	0.00	0.00%	5.80%	5.98%
Sub-Total: Distribution (based on two-tier RPP prices)			131.77			125.55	-6.22	-4.72%	27.06%	27.92%
Sub-Total: Distribution (based on TOU prices)			129.45			123.23	-6.22	-4.80%	26.56%	27.41%
Retail Transmission Rate – Network Service Rate	2,542	0.0068	17.28	2,542	0.0068	17.28	0.00	0.00%	3.73%	3.84%
Retail Transmission Rate – Line and Transformation Connection \$	2,542	0.0055	13.98	2,542	0.0055	13.98	0.00	0.00%	3.01%	3.11%
Sub-Total: Retail Transmission			31.26			31.26	0.00	0.00%	6.74%	6.95%
Sub-Total: Delivery (based on two-tier RPP prices)			163.03			156.81	-6.22	-3.82%	33.80%	34.88%
Sub-Total: Delivery (based on TOU prices)			160.71			154.49	-6.22	-3.87%	33.30%	34.36%
Wholesale Market Service Rate	2,542	0.0036	9.15	2,542	0.0036	9.15	0.00	0.00%	1.97%	2.03%
Rural Rate Protection Charge	2,542	0.0021	5.34	2,542	0.0021	5.34	0.00	0.00%	1.15%	1.19%
Ontario Electricity Support Program Charge	2,542	0.0011	2.80	2,542	0.0011	2.80	0.00	0.00%	0.60%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.06%
Sub-Total: Regulatory			17.53			17.53	0.00	0.00%	3.78%	3.90%
Debt Retirement Charge (DRC)	2,300	0.000	0.00	2,300	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			448.06			441.84	-6.22	-1.39%	95.24%	
HST		0.13	58.25		0.13	57.44	-0.81	-1.39%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			506.31			499.28	-7.03	-1.39%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-35.85		-0.08	-35.35	0.50	-1.39%	-7.62%	
Total Amount on Two-Tier RPP			470.47			463.94	-6.53	-1.39%	100.00%	
Total Electricity Charge on TOU (before HST)			434.44			428.22	-6.22	-1.43%		95.24%
HST		0.13	56.48		0.13	55.67	-0.81	-1.43%		12.38%
Total Electricity Charge on TOU (including HST)			490.92			483.89	-7.03	-1.43%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-34.76		-0.08	-34.26	0.50	-1.43%		-7.62%
Total Amount on TOU			456.16			449.63	-6.53	-1.43%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	55
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 13 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	7.00%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	7.00%	
TOU-Off Peak	33	0.087	2.83	33	0.087	2.83	0.00	0.00%		3.82%
TOU-Mid Peak	9	0.132	1.12	9	0.132	1.12	0.00	0.00%		1.51%
TOU-On Peak	9	0.180	1.62	9	0.180	1.62	0.00	0.00%		2.19%
Sub-Total: Energy (TOU)			5.57			5.57	0.00	0.00%	7.57%	7.52%
Service Charge	1	55.4	55.40	1	61.5	61.50	6.10	11.01%	83.54%	82.99%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	50	0.0315	1.58	50	0.0184	0.92	-0.66	-41.59%	1.25%	1.24%
Volumetric Deferral/Variance Account Rider (including CBR Class)	50	0.0002	0.01	50	0.0002	0.01	0.00	0.00%	0.01%	0.01%
Sub-Total: Distribution (excluding pass through)			56.99			62.43	5.45	9.56%	84.80%	84.25%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.07%	1.07%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.10	0.54	5	0.10	0.54	0.00	0.00%	0.73%	0.72%
Line Losses on Cost of Power (based on TOU prices)	5	0.11	0.58	5	0.11	0.58	0.00	0.00%	0.79%	0.78%
Sub-Total: Distribution (based on two-tier RPP prices)			58.31			63.76	5.45	9.34%	86.61%	86.04%
Sub-Total: Distribution (based on TOU prices)			58.35			63.80	5.45	9.33%	86.66%	86.10%
Retail Transmission Rate – Network Service Rate	55	0.0058	0.32	55	0.0058	0.32	0.00	0.00%	0.43%	0.43%
Retail Transmission Rate – Line and Transformation Connection \$	55	0.0047	0.26	55	0.0047	0.26	0.00	0.00%	0.35%	0.35%
Sub-Total: Retail Transmission			0.58			0.58	0.00	0.00%	0.79%	0.78%
Sub-Total: Delivery (based on two-tier RPP prices)			58.89			64.34	5.45	9.25%	87.39%	86.82%
Sub-Total: Delivery (based on TOU prices)			58.93			64.38	5.45	9.24%	87.45%	86.88%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	0.27%	0.27%
Rural Rate Protection Charge	55	0.0021	0.12	55	0.0021	0.12	0.00	0.00%	0.16%	0.16%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.08%	0.08%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.34%	0.34%
Sub-Total: Regulatory			0.63			0.63	0.00	0.00%	0.85%	0.84%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			64.67			70.11	5.45	8.42%	95.24%	
HST		0.13	8.41		0.13	9.11	0.71	8.42%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			73.07			79.22	6.15	8.42%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-5.17		-0.08	-5.61	-0.44	8.42%	-7.62%	
Total Amount on Two-Tier RPP			67.90			73.62	5.72	8.42%	100.00%	
Total Electricity Charge on TOU (before HST)			65.13			70.57	5.45	8.36%		95.24%
HST		0.13	8.47		0.13	9.17	0.71	8.36%		12.38%
Total Electricity Charge on TOU (including HST)			73.60			79.75	6.15	8.36%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-5.21		-0.08	-5.65	-0.44	8.36%		-7.62%
Total Amount on TOU			68.39			74.10	5.72	8.36%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	386
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 14 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	29.72%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	29.72%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		15.87%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		6.30%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		9.09%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	32.14%	31.26%
Service Charge	1	55.4	55.40	1	61.5	61.50	6.10	11.01%	50.70%	49.31%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0.0315	11.03	350	0.0184	6.44	-4.59	-41.59%	5.31%	5.16%
Volumetric Deferral/Variance Account Rider (including CBR Class	350	0.0002	0.07	350	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			66.50			68.01	1.52	2.28%	56.06%	54.53%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.65%	0.63%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.10	3.75	36	0.10	3.75	0.00	0.00%	3.09%	3.01%
Line Losses on Cost of Power (based on TOU prices)	36	0.11	4.05	36	0.11	4.05	0.00	0.00%	3.34%	3.25%
Sub-Total: Distribution (based on two-tier RPP prices)			71.03			72.55	1.52	2.13%	59.80%	58.17%
Sub-Total: Distribution (based on TOU prices)			71.34			72.85	1.52	2.12%	60.06%	58.42%
Retail Transmission Rate – Network Service Rate	386	0.0058	2.24	386	0.0058	2.24	0.00	0.00%	1.85%	1.80%
Retail Transmission Rate – Line and Transformation Connection S	386	0.0047	1.82	386	0.0047	1.82	0.00	0.00%	1.50%	1.46%
Sub-Total: Retail Transmission			4.06			4.06	0.00	0.00%	3.34%	3.25%
Sub-Total: Delivery (based on two-tier RPP prices)			75.09			76.61	1.52	2.02%	63.15%	61.43%
Sub-Total: Delivery (based on TOU prices)			75.40			76.91	1.52	2.01%	63.40%	61.67%
Wholesale Market Service Rate	386	0.0036	1.39	386	0.0036	1.39	0.00	0.00%	1.15%	1.12%
Rural Rate Protection Charge	386	0.0021	0.81	386	0.0021	0.81	0.00	0.00%	0.67%	0.65%
Ontario Electricity Support Program Charge	386	0.0011	0.43	386	0.0011	0.43	0.00	0.00%	0.35%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.88			2.88	0.00	0.00%	2.37%	2.31%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			114.02			115.53	1.52	1.33%	95.24%	
HST		0.13	14.82		0.13	15.02	0.20	1.33%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			128.84			130.55	1.71	1.33%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.12		-0.08	-9.24	-0.12	1.33%	-7.62%	
Total Amount on Two-Tier RPP			119.72			121.31	1.59	1.33%	100.00%	
Total Electricity Charge on TOU (before HST)			117.26			118.78	1.52	1.29%		95.24%
HST		0.13	15.24		0.13	15.44	0.20	1.29%		12.38%
Total Electricity Charge on TOU (including HST)			132.50			134.22	1.71	1.29%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.38		-0.08	-9.50	-0.12	1.29%		-7.62%
Total Amount on TOU			123.12			124.71	1.59	1.29%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	352
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	389
Charge determinant	kWh

Filed: 2017-03-31

EB-2017-0049

Exhibit H1-4-1

Attachment 5

Page 15 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	352	0.103	36.26	352	0.103	36.26	0.00	0.00%	29.81%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.26			36.26	0.00	0.00%	29.81%	
TOU-Off Peak	229	0.087	19.91	229	0.087	19.91	0.00	0.00%		15.92%
TOU-Mid Peak	60	0.132	7.90	60	0.132	7.90	0.00	0.00%		6.32%
TOU-On Peak	63	0.180	11.40	63	0.180	11.40	0.00	0.00%		9.12%
Sub-Total: Energy (TOU)			39.21			39.21	0.00	0.00%	32.24%	31.35%
Service Charge	1	55.4	55.40	1	61.5	61.50	6.10	11.01%	50.56%	49.18%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	352	0.0315	11.09	352	0.0184	6.48	-4.61	-41.59%	5.33%	5.18%
Volumetric Deferral/Variance Account Rider (including CBR Class)	352	0.0002	0.07	352	0.0002	0.07	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			66.56			68.05	1.49	2.24%	55.95%	54.42%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.65%	0.63%
Line Losses on Cost of Power (based on two-tier RPP prices)	37	0.10	3.77	37	0.10	3.77	0.00	0.00%	3.10%	3.02%
Line Losses on Cost of Power (based on TOU prices)	37	0.11	4.08	37	0.11	4.08	0.00	0.00%	3.35%	3.26%
Sub-Total: Distribution (based on two-tier RPP prices)			71.12			72.61	1.49	2.09%	59.70%	58.06%
Sub-Total: Distribution (based on TOU prices)			71.43			72.91	1.49	2.08%	59.95%	58.31%
Retail Transmission Rate – Network Service Rate	389	0.0058	2.25	389	0.0058	2.25	0.00	0.00%	1.85%	1.80%
Retail Transmission Rate – Line and Transformation Connection \$	389	0.0047	1.83	389	0.0047	1.83	0.00	0.00%	1.50%	1.46%
Sub-Total: Retail Transmission			4.08			4.08	0.00	0.00%	3.35%	3.26%
Sub-Total: Delivery (based on two-tier RPP prices)			75.20			76.69	1.49	1.98%	63.05%	61.33%
Sub-Total: Delivery (based on TOU prices)			75.51			77.00	1.49	1.97%	63.30%	61.57%
Wholesale Market Service Rate	389	0.0036	1.40	389	0.0036	1.40	0.00	0.00%	1.15%	1.12%
Rural Rate Protection Charge	389	0.0021	0.82	389	0.0021	0.82	0.00	0.00%	0.67%	0.65%
Ontario Electricity Support Program Charge	389	0.0011	0.43	389	0.0011	0.43	0.00	0.00%	0.35%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.89			2.89	0.00	0.00%	2.38%	2.31%
Debt Retirement Charge (DRC)	352	0.000	0.00	352	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			114.35			115.84	1.49	1.30%	95.24%	
HST		0.13	14.87		0.13	15.06	0.19	1.30%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			129.21			130.90	1.68	1.30%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.15		-0.08	-9.27	-0.12	1.30%	-7.62%	
Total Amount on Two-Tier RPP			120.07			121.63	1.56	1.30%	100.00%	
Total Electricity Charge on TOU (before HST)			117.61			119.10	1.49	1.27%		95.24%
HST		0.13	15.29		0.13	15.48	0.19	1.27%		12.38%
Total Electricity Charge on TOU (including HST)			132.90			134.58	1.68	1.27%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.41		-0.08	-9.53	-0.12	1.27%		-7.62%
Total Amount on TOU			123.49			125.05	1.56	1.27%		100.00%

2022 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 16 of 76

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1104
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	26.39%	
Energy Second Tier (kWh)	400	0.121	48.40	400	0.121	48.40	0.00	0.00%	20.67%	
Sub-Total: Energy (RPP)			110.20			110.20	0.00	0.00%	47.06%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		24.13%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		9.57%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		13.82%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	47.57%	47.53%
Service Charge	1	55.4	55.40	1	61.5	61.50	6.10	11.01%	26.26%	26.24%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0315	31.50	1,000	0.0184	18.40	-13.10	-41.59%	7.86%	7.85%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			87.10			80.10	-7.00	-8.04%	34.21%	34.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.34%	0.34%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.12	12.58	104	0.12	12.58	0.00	0.00%	5.37%	5.37%
Line Losses on Cost of Power (based on TOU prices)	104	0.11	11.58	104	0.11	11.58	0.00	0.00%	4.95%	4.94%
Sub-Total: Distribution (based on two-tier RPP prices)			100.47			93.47	-7.00	-6.97%	39.92%	39.88%
Sub-Total: Distribution (based on TOU prices)			99.47			92.47	-7.00	-7.04%	39.49%	39.46%
Retail Transmission Rate – Network Service Rate	1,104	0.0058	6.40	1,104	0.0058	6.40	0.00	0.00%	2.73%	2.73%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0047	5.19	1,104	0.0047	5.19	0.00	0.00%	2.22%	2.21%
Sub-Total: Retail Transmission			11.59			11.59	0.00	0.00%	4.95%	4.95%
Sub-Total: Delivery (based on two-tier RPP prices)			112.07			105.07	-7.00	-6.25%	44.87%	44.83%
Sub-Total: Delivery (based on TOU prices)			111.07			104.07	-7.00	-6.30%	44.44%	44.40%
Wholesale Market Service Rate	1,104	0.0036	3.97	1,104	0.0036	3.97	0.00	0.00%	1.70%	1.70%
Rural Rate Protection Charge	1,104	0.0021	2.32	1,104	0.0021	2.32	0.00	0.00%	0.99%	0.99%
Ontario Electricity Support Program Charge	1,104	0.0011	1.21	1,104	0.0011	1.21	0.00	0.00%	0.52%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			7.76			7.76	0.00	0.00%	3.31%	3.31%
Debt Retirement Charge (DRC)	1,000	0.000	0.00	1,000	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			230.02			223.02	-7.00	-3.04%	95.24%	
HST		0.13	29.90		0.13	28.99	-0.91	-3.04%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			259.93			252.02	-7.91	-3.04%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.40		-0.08	-17.84	0.56	-3.04%	-7.62%	
Total Amount on Two-Tier RPP			241.52			234.17	-7.35	-3.04%	100.00%	
Total Electricity Charge on TOU (before HST)			230.21			223.21	-7.00	-3.04%		95.24%
HST		0.13	29.93		0.13	29.02	-0.91	-3.04%		12.38%
Total Electricity Charge on TOU (including HST)			260.14			252.23	-7.91	-3.04%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.42		-0.08	-17.86	0.56	-3.04%		-7.62%
Total Amount on TOU			241.72			234.37	-7.35	-3.04%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	UGe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 17 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	36.76%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.39%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	51.15%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		26.48%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.51%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.17%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	53.00%	52.15%
Service Charge	1	25.6	25.60	1	26.15	26.15	0.55	2.15%	12.44%	12.24%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0308	30.80	1,000	0.0317	31.70	0.90	2.92%	15.08%	14.84%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,000	0.0002	0.2000	1,000	0.0002	0.2000	0.00	0.00%	0.10%	0.09%
Sub-Total: Distribution (excluding pass through)			56.61			58.06	1.45	2.56%	27.62%	27.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.12	8.11	67	0.12	8.11	0.00	0.00%	3.86%	3.80%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.46	67	0.11	7.46	0.00	0.00%	3.55%	3.49%
Sub-Total: Distribution (based on two-tier RPP prices)			65.51			66.96	1.45	2.21%	31.86%	31.35%
Sub-Total: Distribution (based on TOU prices)			64.86			66.31	1.45	2.24%	31.55%	31.05%
Retail Transmission Rate – Network Service Rate	1,067	0.0058	6.19	1,067	0.0058	6.19	0.00	0.00%	2.94%	2.90%
Retail Transmission Rate – Line and Transformation Connection \$	1,067	0.0047	5.01	1,067	0.0047	5.01	0.00	0.00%	2.39%	2.35%
Sub-Total: Retail Transmission			11.20			11.20	0.00	0.00%	5.33%	5.25%
Sub-Total: Delivery (based on two-tier RPP prices)			76.71			78.16	1.45	1.89%	37.19%	36.59%
Sub-Total: Delivery (based on TOU prices)			76.07			77.52	1.45	1.91%	36.88%	36.29%
Wholesale Market Service Rate	1,067	0.0036	3.84	1,067	0.0036	3.84	0.00	0.00%	1.83%	1.80%
Rural Rate Protection Charge	1,067	0.0021	2.24	1,067	0.0021	2.24	0.00	0.00%	1.07%	1.05%
Ontario Electricity Support Program Charge	1,067	0.0011	1.17	1,067	0.0011	1.17	0.00	0.00%	0.56%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.51			7.51	0.00	0.00%	3.57%	3.51%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.33%	3.28%
Total Electricity Charge on Two-Tier RPP			198.72			200.17	1.45	0.73%	95.24%	
HST		0.13	25.83		0.13	26.02	0.19	0.73%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			224.55			226.19	1.64	0.73%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.90		-0.08	-16.01	-0.12	0.73%	-7.62%	
Total Amount on Two-Tier RPP			208.65			210.17	1.52	0.73%	100.00%	
Total Electricity Charge on TOU (before HST)			201.96			203.41	1.45	0.72%		95.24%
HST		0.13	26.26		0.13	26.44	0.19	0.72%		12.38%
Total Electricity Charge on TOU (including HST)			228.22			229.86	1.64	0.72%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.16		-0.08	-16.27	-0.12	0.72%		-7.62%
Total Amount on TOU			212.06			213.58	1.52	0.72%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	UGe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 18 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.03%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	37.26%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	56.29%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		28.37%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.26%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.26%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	54.88%	55.89%
Service Charge	1	25.6	25.60	1	26.15	26.15	0.55	2.15%	6.44%	6.56%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0308	61.60	2,000	0.0317	63.40	1.80	2.92%	15.62%	15.91%
Volumetric Deferral/Variance Account Rider (including CBR Class)	2,000	0.0002	0.4000	2,000	0.0002	0.4000	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			87.61			89.96	2.35	2.68%	22.16%	22.57%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.19%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.12	16.21	134	0.12	16.21	0.00	0.00%	3.99%	4.07%
Line Losses on Cost of Power (based on TOU prices)	134	0.11	14.93	134	0.11	14.93	0.00	0.00%	3.68%	3.74%
Sub-Total: Distribution (based on two-tier RPP prices)			104.61			106.96	2.35	2.25%	26.35%	26.83%
Sub-Total: Distribution (based on TOU prices)			103.33			105.68	2.35	2.27%	26.03%	26.51%
Retail Transmission Rate – Network Service Rate	2,134	0.0058	12.38	2,134	0.0058	12.38	0.00	0.00%	3.05%	3.11%
Retail Transmission Rate – Line and Transformation Connection \$	2,134	0.0047	10.03	2,134	0.0047	10.03	0.00	0.00%	2.47%	2.52%
Sub-Total: Retail Transmission			22.41			22.41	0.00	0.00%	5.52%	5.62%
Sub-Total: Delivery (based on two-tier RPP prices)			127.02			129.37	2.35	1.85%	31.87%	32.46%
Sub-Total: Delivery (based on TOU prices)			125.73			128.08	2.35	1.87%	31.55%	32.13%
Wholesale Market Service Rate	2,134	0.0036	7.68	2,134	0.0036	7.68	0.00	0.00%	1.89%	1.93%
Rural Rate Protection Charge	2,134	0.0021	4.48	2,134	0.0021	4.48	0.00	0.00%	1.10%	1.12%
Ontario Electricity Support Program Charge	2,134	0.0011	2.35	2,134	0.0011	2.35	0.00	0.00%	0.58%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.76			14.76	0.00	0.00%	3.64%	3.70%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.45%	3.51%
Total Electricity Charge on Two-Tier RPP			384.28			386.63	2.35	0.61%	95.24%	
HST		0.13	49.96		0.13	50.26	0.31	0.61%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			434.24			436.89	2.66	0.61%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-30.74		-0.08	-30.93	-0.19	0.61%	-7.62%	
Total Amount on Two-Tier RPP			403.50			405.96	2.47	0.61%	100.00%	
Total Electricity Charge on TOU (before HST)			377.27			379.62	2.35	0.62%		95.24%
HST		0.13	49.05		0.13	49.35	0.31	0.62%		12.38%
Total Electricity Charge on TOU (including HST)			426.32			428.98	2.66	0.62%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-30.18		-0.08	-30.37	-0.19	0.62%		-7.62%
Total Amount on TOU			396.14			398.61	2.47	0.62%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	UGe
Monthly Consumption (kWh)	2,759
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2943.853
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 19 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	13.93%	
Energy Second Tier (kWh)	2,009	0.121	243.09	2,009	0.121	243.09	0.00	0.00%	43.83%	
Sub-Total: Energy (RPP)			320.34			320.34	0.00	0.00%	57.76%	
TOU-Off Peak	1,793	0.087	156.02	1,793	0.087	156.02	0.00	0.00%		28.94%
TOU-Mid Peak	469	0.132	61.91	469	0.132	61.91	0.00	0.00%		11.49%
TOU-On Peak	497	0.180	89.39	497	0.180	89.39	0.00	0.00%		16.58%
Sub-Total: Energy (TOU)			307.33			307.33	0.00	0.00%	55.42%	57.01%
Service Charge	1	25.6	25.60	1	26.15	26.15	0.55	2.15%	4.72%	4.85%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,759	0.0308	84.98	2,759	0.0317	87.46	2.48	2.92%	15.77%	16.23%
Volumetric Deferral/Variance Account Rider (including CBR Class)	2,759	0.0002	0.5518	2,759	0.0002	0.5518	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			111.14			114.17	3.03	2.73%	20.59%	21.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.14%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	185	0.12	22.37	185	0.12	22.37	0.00	0.00%	4.03%	4.15%
Line Losses on Cost of Power (based on TOU prices)	185	0.11	20.59	185	0.11	20.59	0.00	0.00%	3.71%	3.82%
Sub-Total: Distribution (based on two-tier RPP prices)			134.30			137.33	3.03	2.26%	24.76%	25.48%
Sub-Total: Distribution (based on TOU prices)			132.52			135.55	3.03	2.29%	24.44%	25.15%
Retail Transmission Rate – Network Service Rate	2,944	0.0058	17.07	2,944	0.0058	17.07	0.00	0.00%	3.08%	3.17%
Retail Transmission Rate – Line and Transformation Connection \$	2,944	0.0047	13.84	2,944	0.0047	13.84	0.00	0.00%	2.49%	2.57%
Sub-Total: Retail Transmission			30.91			30.91	0.00	0.00%	5.57%	5.73%
Sub-Total: Delivery (based on two-tier RPP prices)			165.21			168.24	3.03	1.84%	30.34%	31.21%
Sub-Total: Delivery (based on TOU prices)			163.43			166.46	3.03	1.86%	30.02%	30.88%
Wholesale Market Service Rate	2,944	0.0036	10.60	2,944	0.0036	10.60	0.00	0.00%	1.91%	1.97%
Rural Rate Protection Charge	2,944	0.0021	6.18	2,944	0.0021	6.18	0.00	0.00%	1.11%	1.15%
Ontario Electricity Support Program Charge	2,944	0.0011	3.24	2,944	0.0011	3.24	0.00	0.00%	0.58%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			20.27			20.27	0.00	0.00%	3.65%	3.76%
Debt Retirement Charge (DRC)	2,759	0.007	19.31	2,759	0.007	19.31	0.00	0.00%	3.48%	3.58%
Total Electricity Charge on Two-Tier RPP			525.13			528.16	3.03	0.58%	95.24%	
HST		0.13	68.27		0.13	68.66	0.39	0.58%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			593.39			596.82	3.43	0.58%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-42.01		-0.08	-42.25	-0.24	0.58%	-7.62%	
Total Amount on Two-Tier RPP			551.38			554.57	3.18	0.58%	100.00%	
Total Electricity Charge on TOU (before HST)			510.34			513.37	3.03	0.59%		95.24%
HST		0.13	66.34		0.13	66.74	0.39	0.59%		12.38%
Total Electricity Charge on TOU (including HST)			576.68			580.11	3.43	0.59%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-40.83		-0.08	-41.07	-0.24	0.59%		-7.62%
Total Amount on TOU			535.85			539.04	3.18	0.59%		100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	UGe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 20 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.62%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	58.42%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	61.04%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		30.25%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.00%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		17.33%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	56.62%	59.59%
Service Charge	1	25.6	25.60	1	26.15	26.15	0.55	2.15%	0.89%	0.93%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0308	462.00	15,000	0.0317	475.50	13.50	2.92%	16.11%	16.96%
Volumetric Deferral/Variance Account Rider (including CBR Class	15,000	0.0002	3.0000	15,000	0.0002	3.0000	0.00	0.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			490.61			504.66	14.05	2.86%	17.10%	18.00%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.12	121.61	1,005	0.12	121.61	0.00	0.00%	4.12%	4.34%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.11	111.95	1,005	0.11	111.95	0.00	0.00%	3.79%	3.99%
Sub-Total: Distribution (based on two-tier RPP prices)			613.01			627.06	14.05	2.29%	21.25%	22.36%
Sub-Total: Distribution (based on TOU prices)			603.35			617.40	14.05	2.33%	20.92%	22.02%
Retail Transmission Rate – Network Service Rate	16,005	0.0058	92.83	16,005	0.0058	92.83	0.00	0.00%	3.15%	3.31%
Retail Transmission Rate – Line and Transformation Connection \$	16,005	0.0047	75.22	16,005	0.0047	75.22	0.00	0.00%	2.55%	2.68%
Sub-Total: Retail Transmission			168.05			168.05	0.00	0.00%	5.69%	5.99%
Sub-Total: Delivery (based on two-tier RPP prices)			781.06			795.11	14.05	1.80%	26.94%	28.36%
Sub-Total: Delivery (based on TOU prices)			771.40			785.45	14.05	1.82%	26.61%	28.01%
Wholesale Market Service Rate	16,005	0.0036	57.62	16,005	0.0036	57.62	0.00	0.00%	1.95%	2.05%
Rural Rate Protection Charge	16,005	0.0021	33.61	16,005	0.0021	33.61	0.00	0.00%	1.14%	1.20%
Ontario Electricity Support Program Charge	16,005	0.0011	17.61	16,005	0.0011	17.61	0.00	0.00%	0.60%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			109.08			109.08	0.00	0.00%	3.70%	3.89%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.56%	3.74%
Total Electricity Charge on Two-Tier RPP			2,796.64			2,810.69	14.05	0.50%	95.24%	
HST		0.13	363.56		0.13	365.39	1.83	0.50%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,160.20			3,176.08	15.88	0.50%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-223.73		-0.08	-224.86	-1.12	0.50%	-7.62%	
Total Amount on Two-Tier RPP			2,936.47			2,951.23	14.75	0.50%	100.00%	
Total Electricity Charge on TOU (before HST)			2,656.33			2,670.38	14.05	0.53%		95.24%
HST		0.13	345.32		0.13	347.15	1.83	0.53%		12.38%
Total Electricity Charge on TOU (including HST)			3,001.66			3,017.53	15.88	0.53%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-212.51		-0.08	-213.63	-1.12	0.53%		-7.62%
Total Amount on TOU			2,789.15			2,803.90	14.75	0.53%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	GSe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 21 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	30.05%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	11.77%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	41.81%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		21.73%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		8.62%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		12.45%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	43.32%	42.80%
Service Charge	1	31.41	31.41	1	32	32.00	0.59	1.88%	12.45%	12.30%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0652	65.20	1,000	0.0671	67.10	1.90	2.91%	26.10%	25.79%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,000	0.0002	0.2000	1,000	0.0002	0.2000	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			96.81			99.30	2.49	2.57%	38.62%	38.16%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.30%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.12	11.62	96	0.12	11.62	0.00	0.00%	4.52%	4.46%
Line Losses on Cost of Power (based on TOU prices)	96	0.11	10.69	96	0.11	10.69	0.00	0.00%	4.16%	4.11%
Sub-Total: Distribution (based on two-tier RPP prices)			109.22			111.71	2.49	2.28%	43.45%	42.93%
Sub-Total: Distribution (based on TOU prices)			108.29			110.78	2.49	2.30%	43.09%	42.57%
Retail Transmission Rate – Network Service Rate	1,096	0.0055	6.03	1,096	0.0055	6.03	0.00	0.00%	2.34%	2.32%
Retail Transmission Rate – Line and Transformation Connection \$	1,096	0.0045	4.93	1,096	0.0045	4.93	0.00	0.00%	1.92%	1.90%
Sub-Total: Retail Transmission			10.96			10.96	0.00	0.00%	4.26%	4.21%
Sub-Total: Delivery (based on two-tier RPP prices)			120.18			122.67	2.49	2.07%	47.71%	47.14%
Sub-Total: Delivery (based on TOU prices)			119.25			121.74	2.49	2.09%	47.35%	46.78%
Wholesale Market Service Rate	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.53%	1.52%
Rural Rate Protection Charge	1,096	0.0021	2.30	1,096	0.0021	2.30	0.00	0.00%	0.90%	0.88%
Ontario Electricity Support Program Charge	1,096	0.0011	1.21	1,096	0.0011	1.21	0.00	0.00%	0.47%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			7.70			7.70	0.00	0.00%	3.00%	2.96%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.72%	2.69%
Total Electricity Charge on Two-Tier RPP			242.38			244.87	2.49	1.03%	95.24%	
HST		0.13	31.51		0.13	31.83	0.32	1.03%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			273.89			276.70	2.81	1.03%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.39		-0.08	-19.59	-0.20	1.03%	-7.62%	
Total Amount on Two-Tier RPP			254.50			257.11	2.61	1.03%	100.00%	
Total Electricity Charge on TOU (before HST)			245.35			247.84	2.49	1.01%		95.24%
HST		0.13	31.90		0.13	32.22	0.32	1.01%		12.38%
Total Electricity Charge on TOU (including HST)			277.24			280.05	2.81	1.01%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-19.63		-0.08	-19.83	-0.20	1.01%		-7.62%
Total Amount on TOU			257.61			260.23	2.61	1.01%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	GSe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 22 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	15.65%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	30.64%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	46.28%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		23.28%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		9.24%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		13.34%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	45.12%	45.86%
Service Charge	1	31.41	31.41	1	32	32.00	0.59	1.88%	6.48%	6.59%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0652	130.40	2,000	0.0671	134.20	3.80	2.91%	27.18%	27.63%
Volumetric Deferral/Variance Account Rider (including CBR Class)	2,000	0.0002	0.4000	2,000	0.0002	0.4000	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			162.21			166.60	4.39	2.71%	33.74%	34.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.12	23.23	192	0.12	23.23	0.00	0.00%	4.71%	4.78%
Line Losses on Cost of Power (based on TOU prices)	192	0.11	21.39	192	0.11	21.39	0.00	0.00%	4.33%	4.40%
Sub-Total: Distribution (based on two-tier RPP prices)			186.23			190.62	4.39	2.36%	38.61%	39.24%
Sub-Total: Distribution (based on TOU prices)			184.39			188.78	4.39	2.38%	38.24%	38.86%
Retail Transmission Rate – Network Service Rate	2,192	0.0055	12.06	2,192	0.0055	12.06	0.00	0.00%	2.44%	2.48%
Retail Transmission Rate – Line and Transformation Connection \$	2,192	0.0045	9.86	2,192	0.0045	9.86	0.00	0.00%	2.00%	2.03%
Sub-Total: Retail Transmission			21.92			21.92	0.00	0.00%	4.44%	4.51%
Sub-Total: Delivery (based on two-tier RPP prices)			208.15			212.54	4.39	2.11%	43.05%	43.75%
Sub-Total: Delivery (based on TOU prices)			206.31			210.70	4.39	2.13%	42.68%	43.37%
Wholesale Market Service Rate	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.60%	1.62%
Rural Rate Protection Charge	2,192	0.0021	4.60	2,192	0.0021	4.60	0.00	0.00%	0.93%	0.95%
Ontario Electricity Support Program Charge	2,192	0.0011	2.41	2,192	0.0011	2.41	0.00	0.00%	0.49%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.16			15.16	0.00	0.00%	3.07%	3.12%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.84%	2.88%
Total Electricity Charge on Two-Tier RPP			465.81			470.20	4.39	0.94%	95.24%	
HST		0.13	60.55		0.13	61.13	0.57	0.94%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			526.36			531.32	4.96	0.94%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-37.26		-0.08	-37.62	-0.35	0.94%	-7.62%	
Total Amount on Two-Tier RPP			489.10			493.71	4.61	0.94%	100.00%	
Total Electricity Charge on TOU (before HST)			458.24			462.63	4.39	0.96%		95.24%
HST		0.13	59.57		0.13	60.14	0.57	0.96%		12.38%
Total Electricity Charge on TOU (including HST)			517.81			522.77	4.96	0.96%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.66		-0.08	-37.01	-0.35	0.96%		-7.62%
Total Amount on TOU			481.15			485.76	4.61	0.96%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	GSe
Monthly Consumption (kWh)	1,982
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2172.272
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 23 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	15.78%	
Energy Second Tier (kWh)	1,232	0.121	149.07	1,232	0.121	149.07	0.00	0.00%	30.46%	
Sub-Total: Energy (RPP)			226.32			226.32	0.00	0.00%	46.24%	
TOU-Off Peak	1,288	0.087	112.08	1,288	0.087	112.08	0.00	0.00%		23.27%
TOU-Mid Peak	337	0.132	44.48	337	0.132	44.48	0.00	0.00%		9.23%
TOU-On Peak	357	0.180	64.22	357	0.180	64.22	0.00	0.00%		13.33%
Sub-Total: Energy (TOU)			220.77			220.77	0.00	0.00%	45.11%	45.83%
Service Charge	1	31.41	31.41	1	32	32.00	0.59	1.88%	6.54%	6.64%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,982	0.0652	129.23	1,982	0.0671	132.99	3.77	2.91%	27.17%	27.61%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,982	0.0002	0.3964	1,982	0.0002	0.3964	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			161.03			165.39	4.36	2.70%	33.79%	34.33%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.16%	0.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	190	0.12	23.02	190	0.12	23.02	0.00	0.00%	4.70%	4.78%
Line Losses on Cost of Power (based on TOU prices)	190	0.11	21.19	190	0.11	21.19	0.00	0.00%	4.33%	4.40%
Sub-Total: Distribution (based on two-tier RPP prices)			184.85			189.20	4.36	2.36%	38.66%	39.28%
Sub-Total: Distribution (based on TOU prices)			183.02			187.37	4.36	2.38%	38.28%	38.90%
Retail Transmission Rate – Network Service Rate	2,172	0.0055	11.95	2,172	0.0055	11.95	0.00	0.00%	2.44%	2.48%
Retail Transmission Rate – Line and Transformation Connection \$	2,172	0.0045	9.78	2,172	0.0045	9.78	0.00	0.00%	2.00%	2.03%
Sub-Total: Retail Transmission			21.72			21.72	0.00	0.00%	4.44%	4.51%
Sub-Total: Delivery (based on two-tier RPP prices)			206.57			210.92	4.36	2.11%	43.09%	43.79%
Sub-Total: Delivery (based on TOU prices)			204.74			209.10	4.36	2.13%	42.72%	43.41%
Wholesale Market Service Rate	2,172	0.0036	7.82	2,172	0.0036	7.82	0.00	0.00%	1.60%	1.62%
Rural Rate Protection Charge	2,172	0.0021	4.56	2,172	0.0021	4.56	0.00	0.00%	0.93%	0.95%
Ontario Electricity Support Program Charge	2,172	0.0011	2.39	2,172	0.0011	2.39	0.00	0.00%	0.49%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			15.02			15.02	0.00	0.00%	3.07%	3.12%
Debt Retirement Charge (DRC)	1,982	0.007	13.87	1,982	0.007	13.87	0.00	0.00%	2.83%	2.88%
Total Electricity Charge on Two-Tier RPP			461.79			466.14	4.36	0.94%	95.24%	
HST		0.13	60.03		0.13	60.60	0.57	0.94%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			521.82			526.74	4.92	0.94%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.94		-0.08	-37.29	-0.35	0.94%	-7.62%	
Total Amount on Two-Tier RPP			484.88			489.45	4.57	0.94%	100.00%	
Total Electricity Charge on TOU (before HST)			454.41			458.77	4.36	0.96%		95.24%
HST		0.13	59.07		0.13	59.64	0.57	0.96%		12.38%
Total Electricity Charge on TOU (including HST)			513.48			518.41	4.92	0.96%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-36.35		-0.08	-36.70	-0.35	0.96%		-7.62%
Total Amount on TOU			477.13			481.70	4.57	0.96%		100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	GSe
Monthly Consumption (kWh)	15,000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 24 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.16%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	48.31%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	50.47%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		24.82%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		9.85%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		14.22%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	46.81%	48.89%
Service Charge	1	31.41	31.41	1	32	32.00	0.59	1.88%	0.90%	0.94%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0652	978.00	15,000	0.0671	1,006.50	28.50	2.91%	28.20%	29.45%
Volumetric Deferral/Variance Account Rider (including CBR Class	15,000	0.0002	3.0000	15,000	0.0002	3.0000	0.00	0.00%	0.08%	0.09%
Sub-Total: Distribution (excluding pass through)			1,012.41			1,041.50	29.09	2.87%	29.18%	30.47%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.12	174.24	1,440	0.12	174.24	0.00	0.00%	4.88%	5.10%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.11	160.40	1,440	0.11	160.40	0.00	0.00%	4.49%	4.69%
Sub-Total: Distribution (based on two-tier RPP prices)			1,187.44			1,216.53	29.09	2.45%	34.08%	35.59%
Sub-Total: Distribution (based on TOU prices)			1,173.60			1,202.69	29.09	2.48%	33.69%	35.19%
Retail Transmission Rate – Network Service Rate	16,440	0.0055	90.42	16,440	0.0055	90.42	0.00	0.00%	2.53%	2.65%
Retail Transmission Rate – Line and Transformation Connection \$	16,440	0.0045	73.98	16,440	0.0045	73.98	0.00	0.00%	2.07%	2.16%
Sub-Total: Retail Transmission			164.40			164.40	0.00	0.00%	4.61%	4.81%
Sub-Total: Delivery (based on two-tier RPP prices)			1,351.84			1,380.93	29.09	2.15%	38.69%	40.40%
Sub-Total: Delivery (based on TOU prices)			1,338.00			1,367.09	29.09	2.17%	38.30%	40.00%
Wholesale Market Service Rate	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.66%	1.73%
Rural Rate Protection Charge	16,440	0.0021	34.52	16,440	0.0021	34.52	0.00	0.00%	0.97%	1.01%
Ontario Electricity Support Program Charge	16,440	0.0011	18.08	16,440	0.0011	18.08	0.00	0.00%	0.51%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			112.04			112.04	0.00	0.00%	3.14%	3.28%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.94%	3.07%
Total Electricity Charge on Two-Tier RPP			3,370.38			3,399.47	29.09	0.86%	95.24%	
HST		0.13	438.15		0.13	441.93	3.78	0.86%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			3,808.53			3,841.40	32.87	0.86%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-269.63		-0.08	-271.96	-2.33	0.86%	-7.62%	
Total Amount on Two-Tier RPP			3,538.90			3,569.45	30.54	0.86%	100.00%	
Total Electricity Charge on TOU (before HST)			3,225.89			3,254.98	29.09	0.90%		95.24%
HST		0.13	419.37		0.13	423.15	3.78	0.90%		12.38%
Total Electricity Charge on TOU (including HST)			3,645.26			3,678.13	32.87	0.90%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-258.07		-0.08	-260.40	-2.33	0.90%		-7.62%
Total Amount on TOU			3,387.19			3,417.73	30.54	0.90%		100.00%

2022 Bill Impacts (Low Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 25 of 76

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.103	1,622.25	15,750	0.103	1,622.25	0.00	0.00%	50.25%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,622.25			1,622.25	0.00	0.00%	50.25%
Service Charge	1	106.7	106.70	1	108.63	108.63	1.93	1.81%	3.36%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	10.5133	630.80	60	10.8	648.00	17.20	2.73%	20.07%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.0646	3.88	60	0.0646	3.88	0.00	0.00%	0.12%
Volumetric Global Adjustment Account Rider	15,750	0.0019	29.93	15,750	0.0019	29.93	0.00	0.00%	0.93%
Sub-Total: Distribution			771.31			790.44	19.13	2.48%	24.49%
Retail Transmission Rate – Network Service Rate	60	2.1349	128.09	60	2.1349	128.09	0.00	0.00%	3.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.7285	103.71	60	1.7285	103.71	0.00	0.00%	3.21%
Sub-Total: Retail Transmission			231.80			231.80	0.00	0.00%	7.18%
Sub-Total: Delivery			1,003.11			1,022.25	19.13	1.91%	31.67%
Wholesale Market Service Rate	15,750	0.0036	56.70	15,750	0.0036	56.70	0.00	0.00%	1.76%
Rural Rate Protection Charge	15,750	0.0021	33.08	15,750	0.0021	33.08	0.00	0.00%	1.02%
Ontario Electricity Support Program Charge	15,750	0.0011	17.33	15,750	0.0011	17.33	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			107.35			107.35	0.00	0.00%	3.33%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.25%
Total Electricity Charge on Two-Tier RPP (before HST)			2,837.71			2,856.85	19.13	0.67%	88.50%
HST		0.13	368.90		0.13	371.39	2.49	0.67%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,206.62			3,228.23	21.62	0.67%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,206.62			3,228.23	21.62	0.67%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.050
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	36,750
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 26 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.103	3,785.25	36,750	0.103	3,785.25	0.00	0.00%	53.80%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,785.25			3,785.25	0.00	0.00%	53.80%
Service Charge	1	106.7	106.70	1	108.63	108.63	1.93	1.81%	1.54%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	120	10.5133	1,261.60	120	10.8	1,296.00	34.40	2.73%	18.42%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	120	0.0646	7.75	120	0.0646	7.75	0.00	0.00%	0.11%
Volumetric Global Adjustment Account Rider	36,750	0.0019	69.83	36,750	0.0019	69.83	0.00	0.00%	0.99%
Sub-Total: Distribution			1,445.88			1,482.22	36.33	2.51%	21.07%
Retail Transmission Rate – Network Service Rate	120	2.1349	256.19	120	2.1349	256.19	0.00	0.00%	3.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.7285	207.42	120	1.7285	207.42	0.00	0.00%	2.95%
Sub-Total: Retail Transmission			463.61			463.61	0.00	0.00%	6.59%
Sub-Total: Delivery			1,909.49			1,945.83	36.33	1.90%	27.66%
Wholesale Market Service Rate	36,750	0.0036	132.30	36,750	0.0036	132.30	0.00	0.00%	1.88%
Rural Rate Protection Charge	36,750	0.0021	77.18	36,750	0.0021	77.18	0.00	0.00%	1.10%
Ontario Electricity Support Program Charge	36,750	0.0011	40.43	36,750	0.0011	40.43	0.00	0.00%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			250.15			250.15	0.00	0.00%	3.56%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.48%
Total Electricity Charge on Two-Tier RPP (before HST)			6,189.89			6,226.23	36.33	0.59%	88.50%
HST		0.13	804.69		0.13	809.41	4.72	0.59%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			6,994.58			7,035.63	41.06	0.59%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			6,994.58			7,035.63	41.06	0.59%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	50,525
Peak (kW)	138
Loss factor	1.050
Load factor	50%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	53,051
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 27 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	53,051	0.103	5,464.28	53,051	0.103	5,464.28	0.00	0.00%	57.42%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,464.28			5,464.28	0.00	0.00%	57.42%
Service Charge	1	106.7	106.70	1	108.63	108.63	1.93	1.81%	1.14%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	138	10.5133	1,450.84	138	10.8	1,490.40	39.56	2.73%	15.66%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	138	0.0646	8.91	138	0.0646	8.91	0.00	0.00%	0.09%
Volumetric Global Adjustment Account Rider	53,051	0.0019	100.80	53,051	0.0019	100.80	0.00	0.00%	1.06%
Sub-Total: Distribution			1,667.26			1,708.75	41.49	2.49%	17.96%
Retail Transmission Rate – Network Service Rate	138	2.1349	294.62	138	2.1349	294.62	0.00	0.00%	3.10%
Retail Transmission Rate – Line and Transformation Connection Service Rate	138	1.7285	238.53	138	1.7285	238.53	0.00	0.00%	2.51%
Sub-Total: Retail Transmission			533.15			533.15	0.00	0.00%	5.60%
Sub-Total: Delivery			2,200.41			2,241.90	41.49	1.89%	23.56%
Wholesale Market Service Rate	53,051	0.0036	190.98	53,051	0.0036	190.98	0.00	0.00%	2.01%
Rural Rate Protection Charge	53,051	0.0021	111.41	53,051	0.0021	111.41	0.00	0.00%	1.17%
Ontario Electricity Support Program Charge	53,051	0.0011	58.36	53,051	0.0011	58.36	0.00	0.00%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			361.00			361.00	0.00	0.00%	3.79%
Debt Retirement Charge (DRC)	50,525	0.007	353.68	50,525	0.007	353.68	0.00	0.00%	3.72%
Total Electricity Charge on Two-Tier RPP (before HST)			8,379.36			8,420.85	41.49	0.50%	88.50%
HST		0.13	1,089.32		0.13	1,094.71	5.39	0.50%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			9,468.68			9,515.56	46.89	0.50%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			9,468.68			9,515.56	46.89	0.50%	100.00%

2022 Bill Impacts (High Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 28 of 76

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.103	18,926.25	183,750	0.103	18,926.25	0.00	0.00%	70.30%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,926.25			18,926.25	0.00	0.00%	70.30%
Fixed Smoothing Rider	1	0	0.00	1	0.0019	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Volumetric Smoothing Rider	500	0	0.00	500	0.0019	0.95	0.95	0.00%	0.00%
Volumetric Global Adjustment Account Rider	183,750	0.0019	349.13	183,750	0.0019	349.13	0.00	0.00%	1.30%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.0646	32.30	500	0.0646	32.30	0.00	0.00%	0.12%
Sub-Total: Distribution			488.14			491.02	2.88	0.59%	1.82%
Retail Transmission Rate – Network Service Rate	500	2.1349	1,067.45	500	2.1349	1,067.45	0.00	0.00%	3.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.7285	864.25	500	1.7285	864.25	0.00	0.00%	3.21%
Sub-Total: Retail Transmission			1,931.70			1,931.70	0.00	0.00%	7.18%
Sub-Total: Delivery			2,419.84			2,422.72	2.88	0.12%	9.00%
Wholesale Market Service Rate	183,750	0.0036	661.50	183,750	0.0036	661.50	0.00	0.00%	2.46%
Rural Rate Protection Charge	183,750	0.0021	385.88	183,750	0.0021	385.88	0.00	0.00%	1.43%
Ontario Electricity Support Program Charge	183,750	0.0011	202.13	183,750	0.0011	202.13	0.00	0.00%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,249.75			1,249.75	0.00	0.00%	4.64%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.55%
Total Electricity Charge on Two-Tier RPP (before HST)			23,820.84			23,823.72	2.88	0.01%	88.50%
HST		0.13	3,096.71		0.13	3,097.08	0.37	0.01%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			26,917.54			26,920.80	3.26	0.01%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			26,917.54			26,920.80	3.26	0.01%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 29 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.103	1,639.25	15,915	0.103	1,639.25	0.00	0.00%	43.97%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,639.25			1,639.25	0.00	0.00%	43.97%
Service Charge	1	107.62	107.62	1	109.34	109.34	1.72	1.60%	2.93%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	18.3529	1,101.17	60	18.8502	1,131.01	29.84	2.71%	30.34%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0.047	2.82	60	0.0470	2.82	0.00	0.00%	0.08%
Volumetric Global Adjustment Account Rider	15,915	0.0019	30.24	15,915	0.0019	30.24	0.00	0.00%	0.81%
Sub-Total: Distribution			1,241.83			1,273.39	31.56	2.54%	34.16%
Retail Transmission Rate – Network Service Rate	60	1.5908	95.45	60	1.5908	95.45	0.00	0.00%	2.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2918	77.51	60	1.2918	77.51	0.00	0.00%	2.08%
Sub-Total: Retail Transmission			172.96			172.96	0.00	0.00%	4.64%
Sub-Total: Delivery			1,414.79			1,446.35	31.56	2.23%	38.80%
Wholesale Market Service Rate	15,915	0.0036	57.29	15,915	0.0036	57.29	0.00	0.00%	1.54%
Rural Rate Protection Charge	15,915	0.0021	33.42	15,915	0.0021	33.42	0.00	0.00%	0.90%
Ontario Electricity Support Program Charge	15,915	0.0011	17.51	15,915	0.0011	17.51	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			108.47			108.47	0.00	0.00%	2.91%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	2.82%
Total Electricity Charge on Two-Tier RPP (before HST)			3,267.51			3,299.06	31.56	0.97%	88.50%
HST		0.13	424.78		0.13	428.88	4.10	0.97%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			3,692.28			3,727.94	35.66	0.97%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			3,692.28			3,727.94	35.66	0.97%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	37,135
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 30 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	37,135	0.103	3,824.91	37,135	0.103	3,824.91	0.00	0.00%	47.57%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,824.91			3,824.91	0.00	0.00%	47.57%
Service Charge	1	107.62	107.62	1	109.34	109.34	1.72	1.60%	1.36%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	120	18.3529	2,202.35	120	18.8502	2,262.02	59.68	2.71%	28.13%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	120	0.047	5.64	120	0.047	5.64	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	37,135	0.0019	70.56	37,135	0.0019	70.56	0.00	0.00%	0.88%
Sub-Total: Distribution			2,386.14			2,447.54	61.40	2.57%	30.44%
Retail Transmission Rate – Network Service Rate	120	1.5908	190.90	120	1.5908	190.90	0.00	0.00%	2.37%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2918	155.02	120	1.2918	155.02	0.00	0.00%	1.93%
Sub-Total: Retail Transmission			345.91			345.91	0.00	0.00%	4.30%
Sub-Total: Delivery			2,732.06			2,793.45	61.40	2.25%	34.74%
Wholesale Market Service Rate	37,135	0.0036	133.69	37,135	0.0036	133.69	0.00	0.00%	1.66%
Rural Rate Protection Charge	37,135	0.0021	77.98	37,135	0.0021	77.98	0.00	0.00%	0.97%
Ontario Electricity Support Program Charge	37,135	0.0011	40.85	37,135	0.0011	40.85	0.00	0.00%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			252.77			252.77	0.00	0.00%	3.14%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.05%
Total Electricity Charge on Two-Tier RPP (before HST)			7,054.73			7,116.13	61.40	0.87%	88.50%
HST		0.13	917.11		0.13	925.10	7.98	0.87%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			7,971.84			8,041.22	69.38	0.87%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			7,971.84			8,041.22	69.38	0.87%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	36,104
Peak (kW)	128
Loss factor	1.061
Load factor	39%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	38,306
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 31 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	38,306	0.103	3,945.55	38,306	0.103	3,945.55	0.00	0.00%	47.00%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,945.55			3,945.55	0.00	0.00%	47.00%
Service Charge	1	107.62	107.62	1	109.34	109.34	1.72	1.60%	1.30%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Distribution Volumetric Rate	128	18.3529	2,349.17	128	18.8502	2,412.83	63.65	2.71%	28.74%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	128	0.047	6.02	128	0.047	6.02	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	38,306	0.0019	72.78	38,306	0.0019	72.78	0.00	0.00%	0.87%
Sub-Total: Distribution			2,535.57			2,600.94	65.37	2.58%	30.98%
Retail Transmission Rate – Network Service Rate	128	1.5908	203.62	128	1.5908	203.62	0.00	0.00%	2.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	128	1.2918	165.35	128	1.2918	165.35	0.00	0.00%	1.97%
Sub-Total: Retail Transmission			368.97			368.97	0.00	0.00%	4.40%
Sub-Total: Delivery			2,904.54			2,969.92	65.37	2.25%	35.38%
Wholesale Market Service Rate	38,306	0.0036	137.90	38,306	0.0036	137.90	0.00	0.00%	1.64%
Rural Rate Protection Charge	38,306	0.0021	80.44	38,306	0.0021	80.44	0.00	0.00%	0.96%
Ontario Electricity Support Program Charge	38,306	0.0011	42.14	38,306	0.0011	42.14	0.00	0.00%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			260.73			260.73	0.00	0.00%	3.11%
Debt Retirement Charge (DRC)	36,104	0.007	252.73	36,104	0.007	252.73	0.00	0.00%	3.01%
Total Electricity Charge on Two-Tier RPP (before HST)			7,363.56			7,428.93	65.37	0.89%	88.50%
HST		0.13	957.26		0.13	965.76	8.50	0.89%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			8,320.82			8,394.69	73.87	0.89%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			8,320.82			8,394.69	73.87	0.89%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 32 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.103	19,124.53	185,675	0.103	19,124.53	0.00	0.00%	71.90%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,124.53			19,124.53	0.00	0.00%	71.90%
Fixed Smoothing Rider	1	0	0.00	1	0.0019	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	-0.02	-0.02	1	-0.02	-0.02	0.00	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.047	23.50	500	0.047	23.50	0.00	0.00%	0.09%
Volumetric Global Adjustment Account Rider	185,675	0.0019	352.78	185,675	0.0019	352.78	0.00	0.00%	1.33%
Sub-Total: Distribution			483.88			485.60	1.72	0.36%	1.83%
Retail Transmission Rate – Network Service Rate	500	1.5908	795.40	500	1.5908	795.40	0.00	0.00%	2.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2918	645.90	500	1.2918	645.90	0.00	0.00%	2.43%
Sub-Total: Retail Transmission			1,441.30			1,441.30	0.00	0.00%	5.42%
Sub-Total: Delivery			1,925.18			1,926.90	1.72	0.09%	7.24%
Wholesale Market Service Rate	185,675	0.0036	668.43	185,675	0.0036	668.43	0.00	0.00%	2.51%
Rural Rate Protection Charge	185,675	0.0021	389.92	185,675	0.0021	389.92	0.00	0.00%	1.47%
Ontario Electricity Support Program Charge	185,675	0.0011	204.24	185,675	0.0011	204.24	0.00	0.00%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,262.84			1,262.84	0.00	0.00%	4.75%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.61%
Total Electricity Charge on Two-Tier RPP (before HST)			23,537.55			23,539.27	1.72	0.01%	88.50%
HST		0.13	3,059.88		0.13	3,060.11	0.22	0.01%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			26,597.43			26,599.37	1.95	0.01%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			26,597.43			26,599.37	1.95	0.01%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	DGen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 33 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.103	32.78	318	0.103	32.78	0.00	0.00%	7.91%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			32.78			32.78	0.00	0.00%	7.91%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	47.75%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	10	11.1084	111.08	10	11.8953	118.95	7.87	7.08%	28.68%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10	0.0172	0.17	10	0.0172	0.17	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	318	0.0019	0.60	318	0.0019	0.60	0.00	0.00%	0.15%
Sub-Total: Distribution			309.90			317.77	7.87	2.54%	76.62%
Retail Transmission Rate – Network Service Rate	10	0.6395	6.40	10	0.6395	6.40	0.00	0.00%	1.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.5543	5.54	10	0.5543	5.54	0.00	0.00%	1.34%
Sub-Total: Retail Transmission			11.94			11.94	0.00	0.00%	2.88%
Sub-Total: Delivery			321.84			329.71	7.87	2.45%	79.50%
Wholesale Market Service Rate	318	0.0036	1.15	318	0.0036	1.15	0.00	0.00%	0.28%
Rural Rate Protection Charge	318	0.0021	0.67	318	0.0021	0.67	0.00	0.00%	0.16%
Ontario Electricity Support Program Charge	318	0.0011	0.35	318	0.0011	0.35	0.00	0.00%	0.08%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			2.41			2.41	0.00	0.00%	0.58%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.51%
Total Electricity Charge on Two-Tier RPP (before HST)			359.14			367.01	7.87	2.19%	88.50%
HST		0.13	46.69		0.13	47.71	1.02	2.19%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			405.83			414.72	8.89	2.19%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			405.83			414.72	8.89	2.19%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	DGen
Monthly Consumption (kWh)	2,000
Peak (kW)	20
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	2,122
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 34 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.103	218.57	2,122	0.103	218.57	0.00	0.00%	27.19%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			218.57			218.57	0.00	0.00%	27.19%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	24.63%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	20	11.1084	222.17	20	11.8953	237.91	15.74	7.08%	29.59%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	20	0.0172	0.34	20	0.0172	0.34	0.00	0.00%	0.04%
Volumetric Global Adjustment Account Rider	2,122	0.0019	4.03	2,122	0.0019	4.03	0.00	0.00%	0.50%
Sub-Total: Distribution			424.58			440.32	15.74	3.71%	54.77%
Retail Transmission Rate – Network Service Rate	20	0.6395	12.79	20	0.6395	12.79	0.00	0.00%	1.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.5543	11.09	20	0.5543	11.09	0.00	0.00%	1.38%
Sub-Total: Retail Transmission			23.88			23.88	0.00	0.00%	2.97%
Sub-Total: Delivery			448.46			464.20	15.74	3.51%	57.74%
Wholesale Market Service Rate	2,122	0.0036	7.64	2,122	0.0036	7.64	0.00	0.00%	0.95%
Rural Rate Protection Charge	2,122	0.0021	4.46	2,122	0.0021	4.46	0.00	0.00%	0.55%
Ontario Electricity Support Program Charge	2,122	0.0011	2.33	2,122	0.0011	2.33	0.00	0.00%	0.29%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.03%
Sub-Total: Regulatory			14.68			14.68	0.00	0.00%	1.83%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	1.74%
Total Electricity Charge on Two-Tier RPP (before HST)			695.71			711.44	15.74	2.26%	88.50%
HST		0.13	90.44		0.13	92.49	2.05	2.26%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			786.15			803.93	17.78	2.26%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			786.15			803.93	17.78	2.26%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	DGen
Monthly Consumption (kWh)	1,328
Peak (kW)	12
Loss factor	1.061
Load factor	15%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,409
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 35 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,409	0.103	145.13	1,409	0.103	145.13	0.00	0.00%	24.59%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			145.13			145.13	0.00	0.00%	24.59%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	33.56%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	12	11.1084	133.30	12	11.8953	142.74	9.44	7.08%	24.19%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	12	0.0172	0.21	12	0.0172	0.21	0.00	0.00%	0.03%
Volumetric Global Adjustment Account Rider	1,409	0.0019	2.68	1,409	0.0019	2.68	0.00	0.00%	0.45%
Sub-Total: Distribution			334.22			343.67	9.44	2.83%	58.23%
Retail Transmission Rate – Network Service Rate	12	0.6395	7.67	12	0.6395	7.67	0.00	0.00%	1.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	12	0.5543	6.65	12	0.5543	6.65	0.00	0.00%	1.13%
Sub-Total: Retail Transmission			14.33			14.33	0.00	0.00%	2.43%
Sub-Total: Delivery			348.55			357.99	9.44	2.71%	60.66%
Wholesale Market Service Rate	1,409	0.0036	5.07	1,409	0.0036	5.07	0.00	0.00%	0.86%
Rural Rate Protection Charge	1,409	0.0021	2.96	1,409	0.0021	2.96	0.00	0.00%	0.50%
Ontario Electricity Support Program Charge	1,409	0.0011	1.55	1,409	0.0011	1.55	0.00	0.00%	0.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			9.83			9.83	0.00	0.00%	1.67%
Debt Retirement Charge (DRC)	1,328	0.007	9.30	1,328	0.007	9.30	0.00	0.00%	1.58%
Total Electricity Charge on Two-Tier RPP (before HST)			512.80			522.25	9.44	1.84%	88.50%
HST		0.13	66.66		0.13	67.89	1.23	1.84%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			579.47			590.14	10.67	1.84%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			579.47			590.14	10.67	1.84%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	DGen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 36 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.103	546.42	5,305	0.103	546.42	0.00	0.00%	22.63%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			546.42			546.42	0.00	0.00%	22.63%
Service Charge	1	198.03	198.03	1	198.03	198.03	0.00	0.00%	8.20%
Fixed Deferral/Variance Account Rider	1	0.01	0.01	1	0.01	0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	11.1084	1,110.84	100	11.8953	1,189.53	78.69	7.08%	49.27%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0.0172	1.72	100	0.0172	1.72	0.00	0.00%	0.07%
Volumetric Global Adjustment Account Rider	5,305	0.0019	10.08	5,305	0.0019	10.08	0.00	0.00%	0.42%
Sub-Total: Distribution			1,320.68			1,399.37	78.69	5.96%	57.96%
Retail Transmission Rate – Network Service Rate	100	0.6395	63.95	100	0.6395	63.95	0.00	0.00%	2.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.5543	55.43	100	0.5543	55.43	0.00	0.00%	2.30%
Sub-Total: Retail Transmission			119.38			119.38	0.00	0.00%	4.94%
Sub-Total: Delivery			1,440.06			1,518.75	78.69	5.46%	62.91%
Wholesale Market Service Rate	5,305	0.0036	19.10	5,305	0.0036	19.10	0.00	0.00%	0.79%
Rural Rate Protection Charge	5,305	0.0021	11.14	5,305	0.0021	11.14	0.00	0.00%	0.46%
Ontario Electricity Support Program Charge	5,305	0.0011	5.84	5,305	0.0011	5.84	0.00	0.00%	0.24%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			36.32			36.32	0.00	0.00%	1.50%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.45%
Total Electricity Charge on Two-Tier RPP (before HST)			2,057.80			2,136.49	78.69	3.82%	88.50%
HST		0.13	267.51		0.13	277.74	10.23	3.82%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,325.31			2,414.23	88.92	3.82%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,325.31			2,414.23	88.92	3.82%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 37 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.103	21,300.40	206,800	0.103	21,300.40	0.00	0.00%	63.30%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			21,300.40			21,300.40	0.00	0.00%	63.30%
Service Charge	1	1269.2	1,269.20	1	1300.28	1,300.28	31.08	2.45%	3.86%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.01%
Distribution Volumetric Rate	500	1.4475425	723.77	500	1.4905975	745.30	21.53	2.97%	2.21%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0.2729	136.45	500	0.2729	136.45	0.00	0.00%	0.41%
Volumetric Global Adjustment Account Rider	206,800	0.0019	392.92	206,800	0.0019	392.92	0.00	0.00%	1.17%
Sub-Total: Distribution			2,526.17			2,578.78	52.61	2.08%	7.66%
Retail Transmission Rate – Network Service Rate	500	3.5367	1,768.35	500	3.5367	1,768.35	0.00	0.00%	5.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6514	1,325.70	500	2.6514	1,325.70	0.00	0.00%	3.94%
Sub-Total: Retail Transmission			3,094.05			3,094.05	0.00	0.00%	9.19%
Sub-Total: Delivery			5,620.22			5,672.83	52.61	0.94%	16.86%
Wholesale Market Service Rate	206,800	0.0036	744.48	206,800	0.0036	744.48	0.00	0.00%	2.21%
Rural Rate Protection Charge	206,800	0.0021	434.28	206,800	0.0021	434.28	0.00	0.00%	1.29%
Ontario Electricity Support Program Charge	206,800	0.0011	227.48	206,800	0.0011	227.48	0.00	0.00%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,406.49			1,406.49	0.00	0.00%	4.18%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.16%
Total Electricity Charge on Two-Tier RPP (before HST)			29,727.11			29,779.72	52.61	0.18%	88.50%
HST		0.13	3,864.52		0.13	3,871.36	6.84	0.18%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			33,591.64			33,651.08	59.45	0.18%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			33,591.64			33,651.08	59.45	0.18%	100.00%

2022 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 38 of 76

Rate Class	ST
Monthly Consumption (kWh)	1,601,036
Peak (kW)	2,960
Loss factor	1.034
Load factor	74%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	1,655,471
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	1,655,471	0.103	170,513.54	1,655,471	0.103	170,513.54	0.00	0.00%	68.29%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			170,513.54			170,513.54	0.00	0.00%	68.29%
Service Charge	1	1269.2	1,269.20	1	1300.28	1,300.28	31.08	2.45%	0.52%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	2,960	1.4475425	4,284.73	2,960	1.4905975	4,412.17	127.44	2.97%	1.77%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,960	0.2729	807.78	2,960	0.2729	807.78	0.00	0.00%	0.32%
Volumetric Global Adjustment Account Rider	1,655,471	0.0019	3,145.40	1,655,471	0.0019	3,145.40	0.00	0.00%	1.26%
Sub-Total: Distribution			9,510.94			9,669.46	158.52	1.67%	3.87%
Retail Transmission Rate – Network Service Rate	2,960	3.5367	10,468.63	2,960	3.5367	10,468.63	0.00	0.00%	4.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,960	2.6514	7,848.14	2,960	2.6514	7,848.14	0.00	0.00%	3.14%
Sub-Total: Retail Transmission			18,316.78			18,316.78	0.00	0.00%	7.34%
Sub-Total: Delivery			27,827.71			27,986.23	158.52	0.57%	11.21%
Wholesale Market Service Rate	1,655,471	0.0036	5,959.70	1,655,471	0.0036	5,959.70	0.00	0.00%	2.39%
Rural Rate Protection Charge	1,655,471	0.0021	3,476.49	1,655,471	0.0021	3,476.49	0.00	0.00%	1.39%
Ontario Electricity Support Program Charge	1,655,471	0.0011	1,821.02	1,655,471	0.0011	1,821.02	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			11,257.45			11,257.45	0.00	0.00%	4.51%
Debt Retirement Charge (DRC)	1,601,036	0.007	11,207.25	1,601,036	0.007	11,207.25	0.00	0.00%	4.49%
Total Electricity Charge on Two-Tier RPP (before HST)			220,805.95			220,964.48	158.52	0.07%	88.50%
HST		0.13	28,704.77		0.13	28,725.38	20.61	0.07%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			249,510.73			249,689.86	179.13	0.07%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			249,510.73			249,689.86	179.13	0.07%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	500,000
Peak (kW)	1,000
Loss factor	1.034
Load factor	68%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	517,000
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 39 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.103	53,251.00	517,000	0.103	53,251.00	0.00	0.00%	66.84%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53,251.00			53,251.00	0.00	0.00%	66.84%
Service Charge	1	1269.2	1,269.20	1	1300.28	1,300.28	31.08	2.45%	1.63%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	1,000	1.4475425	1,447.54	1,000	1.4905975	1,490.60	43.06	2.97%	1.87%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0.2729	272.90	1,000	0.2729	272.90	0.00	0.00%	0.34%
Volumetric Global Adjustment Account Rider	517,000	0.0019	982.30	517,000	0.0019	982.30	0.00	0.00%	1.23%
Sub-Total: Distribution			3,975.77			4,049.91	74.14	1.86%	5.08%
Retail Transmission Rate – Network Service Rate	1,000	3.5367	3,536.70	1,000	3.5367	3,536.70	0.00	0.00%	4.44%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6514	2,651.40	1,000	2.6514	2,651.40	0.00	0.00%	3.33%
Sub-Total: Retail Transmission			6,188.10			6,188.10	0.00	0.00%	7.77%
Sub-Total: Delivery			10,163.87			10,238.01	74.14	0.73%	12.85%
Wholesale Market Service Rate	517,000	0.0036	1,861.20	517,000	0.0036	1,861.20	0.00	0.00%	2.34%
Rural Rate Protection Charge	517,000	0.0021	1,085.70	517,000	0.0021	1,085.70	0.00	0.00%	1.36%
Ontario Electricity Support Program Charge	517,000	0.0011	568.70	517,000	0.0011	568.70	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			3,515.85			3,515.85	0.00	0.00%	4.41%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	4.39%
Total Electricity Charge on Two-Tier RPP (before HST)			70,430.72			70,504.86	74.14	0.11%	88.50%
HST		0.13	9,155.99		0.13	9,165.63	9.64	0.11%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			79,586.72			79,670.49	83.77	0.11%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			79,586.72			79,670.49	83.77	0.11%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 40 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.103	426,008.00	4,136,000	0.103	426,008.00	0.00	0.00%	66.05%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			426,008.00			426,008.00	0.00	0.00%	66.05%
Service Charge	1	1269.2	1,269.20	1	1300.28	1,300.28	31.08	2.45%	0.20%
Fixed Deferral/Variance Account Rider	1	3.83	3.83	1	3.83	3.83	0.00	0.00%	0.00%
Distribution Volumetric Rate	10,000	1.4475425	14,475.42	10,000	1.4905975	14,905.97	430.55	2.97%	2.31%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0.2729	2,729.00	10,000	0.2729	2,729.00	0.00	0.00%	0.42%
Volumetric Global Adjustment Account Rider	4,136,000	0.0019	7,858.40	4,136,000	0.0019	7,858.40	0.00	0.00%	1.22%
Sub-Total: Distribution			26,335.85			26,797.48	461.63	1.75%	4.15%
Retail Transmission Rate – Network Service Rate	10,000	3.5367	35,367.00	10,000	3.5367	35,367.00	0.00	0.00%	5.48%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6514	26,514.00	10,000	2.6514	26,514.00	0.00	0.00%	4.11%
Sub-Total: Retail Transmission			61,881.00			61,881.00	0.00	0.00%	9.59%
Sub-Total: Delivery			88,216.85			88,678.48	461.63	0.52%	13.75%
Wholesale Market Service Rate	4,136,000	0.0036	14,889.60	4,136,000	0.0036	14,889.60	0.00	0.00%	2.31%
Rural Rate Protection Charge	4,136,000	0.0021	8,685.60	4,136,000	0.0021	8,685.60	0.00	0.00%	1.35%
Ontario Electricity Support Program Charge	4,136,000	0.0011	4,549.60	4,136,000	0.0011	4,549.60	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			28,125.05			28,125.05	0.00	0.00%	4.36%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.34%
Total Electricity Charge on Two-Tier RPP (before HST)			570,349.90			570,811.53	461.63	0.08%	88.50%
HST		0.13	74,145.49		0.13	74,205.50	60.01	0.08%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			644,495.39			645,017.03	521.64	0.08%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			644,495.39			645,017.03	521.64	0.08%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 41 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	17.68%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	17.68%
Service Charge	1	37.5	37.50	1	38.49	38.49	0.99	2.64%	66.07%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.02%
Distribution Volumetric Rate	100	0.0304	3.04	100	0.0311	3.11	0.07	2.30%	5.34%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			40.55			41.61	1.06	2.61%	71.43%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	1.63%
Sub-Total: Distribution			41.50			42.56	1.06	2.55%	73.06%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0047	0.51	0.00	0.00%	0.88%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0038	0.41	109	0.0038	0.41	0.00	0.00%	0.71%
Sub-Total: Retail Transmission			0.93			0.93	0.00	0.00%	1.59%
Sub-Total: Delivery			42.43			43.49	1.06	2.50%	74.65%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	0.67%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.39%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.21%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.43%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	1.70%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.20%
Total Electricity Charge on Two-Tier RPP (before HST)			54.42			55.48	1.06	1.95%	95.24%
HST		0.13	7.07		0.13	7.21	0.14	1.95%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			61.49			62.69	1.20	1.95%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.35		-0.08	-4.44	-0.08	1.95%	-7.62%
Total Amount on Two-Tier RPP			57.14			58.25	1.11	1.95%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 42 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.103	51.50	500	0.103	51.50	0.00	0.00%	40.05%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			51.50			51.50	0.00	0.00%	40.05%
Service Charge	1	37.5	37.50	1	38.49	38.49	0.99	2.64%	29.93%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.01%
Distribution Volumetric Rate	500	0.0304	15.20	500	0.0311	15.55	0.35	2.30%	12.09%
Volumetric Deferral/Variance Account Rider (including CBR Class	500	0.0002	0.10	500	0.0002	0.10	0.00	0.00%	0.08%
Sub-Total: Distribution (excluding pass through)			52.79			54.13	1.34	2.54%	42.09%
Line Losses on Cost of Power	46	0.10	4.74	46	0.10	4.74	0.00	0.00%	3.68%
Sub-Total: Distribution			57.53			58.87	1.34	2.33%	45.78%
Retail Transmission Rate – Network Service Rate	546	0.0047	2.57	546	0.0047	2.57	0.00	0.00%	2.00%
Retail Transmission Rate – Line and Transformation Connection S	546	0.0038	2.07	546	0.0038	2.07	0.00	0.00%	1.61%
Sub-Total: Retail Transmission			4.64			4.64	0.00	0.00%	3.61%
Sub-Total: Delivery			62.17			63.51	1.34	2.16%	49.39%
Wholesale Market Service Rate	546	0.0036	1.97	546	0.0036	1.97	0.00	0.00%	1.53%
Rural Rate Protection Charge	546	0.0021	1.15	546	0.0021	1.15	0.00	0.00%	0.89%
Ontario Electricity Support Program Charge	546	0.0011	0.60	546	0.0011	0.60	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%
Sub-Total: Regulatory			3.96			3.96	0.00	0.00%	3.08%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.72%
Total Electricity Charge on Two-Tier RPP (before HST)			121.13			122.47	1.34	1.11%	95.24%
HST		0.13	15.75		0.13	15.92	0.17	1.11%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			136.88			138.39	1.51	1.11%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.69		-0.08	-9.80	-0.11	1.11%	-7.62%
Total Amount on Two-Tier RPP			127.19			128.60	1.41	1.11%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	364
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	397
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 43 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	364	0.103	37.49	364	0.103	37.49	0.00	0.00%	35.82%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			37.49			37.49	0.00	0.00%	35.82%
Service Charge	1	37.5	37.50	1	38.49	38.49	0.99	2.64%	36.77%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	-0.01%
Distribution Volumetric Rate	364	0.0304	11.07	364	0.0311	11.32	0.25	2.30%	10.81%
Volumetric Deferral/Variance Account Rider (including CBR Class	364	0.0002	0.07	364	0.0002	0.07	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			48.63			49.87	1.24	2.56%	47.64%
Line Losses on Cost of Power	33	0.10	3.45	33	0.10	3.45	0.00	0.00%	3.30%
Sub-Total: Distribution			52.08			53.32	1.24	2.39%	50.94%
Retail Transmission Rate – Network Service Rate	397	0.0047	1.87	397	0.0047	1.87	0.00	0.00%	1.78%
Retail Transmission Rate – Line and Transformation Connection S	397	0.0038	1.51	397	0.0038	1.51	0.00	0.00%	1.44%
Sub-Total: Retail Transmission			3.38			3.38	0.00	0.00%	3.23%
Sub-Total: Delivery			55.46			56.70	1.24	2.24%	54.17%
Wholesale Market Service Rate	397	0.0036	1.43	397	0.0036	1.43	0.00	0.00%	1.37%
Rural Rate Protection Charge	397	0.0021	0.83	397	0.0021	0.83	0.00	0.00%	0.80%
Ontario Electricity Support Program Charge	397	0.0011	0.44	397	0.0011	0.44	0.00	0.00%	0.42%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.24%
Sub-Total: Regulatory			2.95			2.95	0.00	0.00%	2.82%
Debt Retirement Charge (DRC)	364	0.007	2.55	364	0.007	2.55	0.00	0.00%	2.43%
Total Electricity Charge on Two-Tier RPP (before HST)			98.45			99.69	1.24	1.26%	95.24%
HST		0.13	12.80		0.13	12.96	0.16	1.26%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			111.25			112.65	1.41	1.26%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.88		-0.08	-7.98	-0.10	1.26%	-7.62%
Total Amount on Two-Tier RPP			103.37			104.68	1.31	1.26%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 44 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	34.64%
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	13.57%
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	48.21%
Service Charge	1	37.5	37.50	1	38.49	38.49	0.99	2.64%	17.26%
Fixed Deferral/Variance Account Rider	1	-0.01	-0.01	1	-0.01	-0.01	0.00	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0304	30.40	1,000	0.0311	31.10	0.70	2.30%	13.95%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.09%
Sub-Total: Distribution (excluding pass through)			68.09			69.78	1.69	2.48%	31.29%
Line Losses on Cost of Power	92	0.12	11.13	92	0.12	11.13	0.00	0.00%	4.99%
Sub-Total: Distribution			79.22			80.91	1.69	2.13%	36.29%
Retail Transmission Rate – Network Service Rate	1,092	0.0047	5.13	1,092	0.0047	5.13	0.00	0.00%	2.30%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.0038	4.15	1,092	0.0038	4.15	0.00	0.00%	1.86%
Sub-Total: Retail Transmission			9.28			9.28	0.00	0.00%	4.16%
Sub-Total: Delivery			88.50			90.19	1.69	1.91%	40.45%
Wholesale Market Service Rate	1,092	0.0036	3.93	1,092	0.0036	3.93	0.00	0.00%	1.76%
Rural Rate Protection Charge	1,092	0.0021	2.29	1,092	0.0021	2.29	0.00	0.00%	1.03%
Ontario Electricity Support Program Charge	1,092	0.0011	1.20	1,092	0.0011	1.20	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%
Sub-Total: Regulatory			7.68			7.68	0.00	0.00%	3.44%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.14%
Total Electricity Charge on Two-Tier RPP (before HST)			210.68			212.37	1.69	0.80%	95.24%
HST		0.13	27.39		0.13	27.61	0.22	0.80%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			238.07			239.98	1.91	0.80%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.85		-0.08	-16.99	-0.14	0.80%	-7.62%
Total Amount on Two-Tier RPP			221.21			222.99	1.77	0.80%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	21.84
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 45 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.103	2.06	20	0.103	2.06	0.00	0.00%	20.62%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2.06			2.06	0.00	0.00%	20.62%
Service Charge	1	3.6	3.60	1	3.76	3.76	0.16	4.44%	37.63%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	20	0.1338	2.68	20	0.1401	2.80	0.13	4.71%	28.05%
Volumetric Deferral/Variance Account Rider (including CBR Class	20	0.0001	0.00	20	0.0001	0.00	0.00	0.00%	0.02%
Sub-Total: Distribution (excluding pass through)			6.28			6.56	0.29	4.56%	65.70%
Line Losses on Cost of Power	2	0.10	0.19	2	0.10	0.19	0.00	0.00%	1.90%
Sub-Total: Distribution			6.47			6.75	0.29	4.42%	67.60%
Retail Transmission Rate – Network Service Rate	22	0.0038	0.08	22	0.003836	0.08	0.00	0.00%	0.84%
Retail Transmission Rate – Line and Transformation Connection S	22	0.0036	0.08	22	0.003624	0.08	0.00	0.00%	0.79%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.63%
Sub-Total: Delivery			6.63			6.92	0.29	4.31%	69.23%
Wholesale Market Service Rate	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.79%
Rural Rate Protection Charge	22	0.0021	0.05	22	0.0021	0.05	0.00	0.00%	0.46%
Ontario Electricity Support Program Charge	22	0.0011	0.02	22	0.0011	0.02	0.00	0.00%	0.24%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.50%
Sub-Total: Regulatory			0.40			0.40	0.00	0.00%	3.99%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.40%
Total Electricity Charge on Two-Tier RPP (before HST)			9.23			9.51	0.29	3.10%	95.24%
HST		0.13	1.20		0.13	1.24	0.04	3.10%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			10.43			10.75	0.32	3.10%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-0.74		-0.08	-0.76	-0.02	3.10%	-7.62%
Total Amount on Two-Tier RPP			9.69			9.99	0.30	3.10%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	71
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	77.532
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 46 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	71	0.103	7.31	71	0.103	7.31	0.00	0.00%	29.57%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.31			7.31	0.00	0.00%	29.57%
Service Charge	1	3.6	3.60	1	3.76	3.76	0.16	4.44%	15.20%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	71	0.1338	9.50	71	0.1401	9.95	0.45	4.71%	40.22%
Volumetric Deferral/Variance Account Rider (including CBR Class	71	0.0001	0.01	71	0.0001	0.01	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			13.11			13.71	0.61	4.63%	55.46%
Line Losses on Cost of Power	7	0.10	0.67	7	0.10	0.67	0.00	0.00%	2.72%
Sub-Total: Distribution			13.78			14.39	0.61	4.41%	58.18%
Retail Transmission Rate – Network Service Rate	78	0.0038	0.30	78	0.003836	0.30	0.00	0.00%	1.20%
Retail Transmission Rate – Line and Transformation Connection S	78	0.0036	0.28	78	0.003624	0.28	0.00	0.00%	1.14%
Sub-Total: Retail Transmission			0.58			0.58	0.00	0.00%	2.34%
Sub-Total: Delivery			14.36			14.97	0.61	4.23%	60.51%
Wholesale Market Service Rate	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.13%
Rural Rate Protection Charge	78	0.0021	0.16	78	0.0021	0.16	0.00	0.00%	0.66%
Ontario Electricity Support Program Charge	78	0.0011	0.09	78	0.0011	0.09	0.00	0.00%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.01%
Sub-Total: Regulatory			0.78			0.78	0.00	0.00%	3.14%
Debt Retirement Charge (DRC)	71	0.007	0.50	71	0.007	0.50	0.00	0.00%	2.01%
Total Electricity Charge on Two-Tier RPP (before HST)			22.95			23.55	0.61	2.65%	95.24%
HST		0.13	2.98		0.13	3.06	0.08	2.65%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			25.93			26.61	0.69	2.65%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.84		-0.08	-1.88	-0.05	2.65%	-7.62%
Total Amount on Two-Tier RPP			24.09			24.73	0.64	2.65%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	54.6
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 47 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.103	5.15	50	0.103	5.15	0.00	0.00%	27.60%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5.15			5.15	0.00	0.00%	27.60%
Service Charge	1	3.6	3.60	1	3.76	3.76	0.16	4.44%	20.15%
Fixed Deferral/Variance Account Rider	1	0.00	0.00	1	0.00	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	50	0.1338	6.69	50	0.1401	7.01	0.32	4.71%	37.54%
Volumetric Deferral/Variance Account Rider (including CBR Class	50	0.0001	0.01	50	0.0001	0.01	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			10.30			10.77	0.48	4.61%	57.71%
Line Losses on Cost of Power	5	0.10	0.47	5	0.10	0.47	0.00	0.00%	2.54%
Sub-Total: Distribution			10.77			11.24	0.48	4.41%	60.25%
Retail Transmission Rate – Network Service Rate	55	0.0038	0.21	55	0.003836	0.21	0.00	0.00%	1.12%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0036	0.20	55	0.003624	0.20	0.00	0.00%	1.06%
Sub-Total: Retail Transmission			0.41			0.41	0.00	0.00%	2.18%
Sub-Total: Delivery			11.18			11.65	0.48	4.25%	62.44%
Wholesale Market Service Rate	55	0.0036	0.20	55	0.0036	0.20	0.00	0.00%	1.05%
Rural Rate Protection Charge	55	0.0021	0.11	55	0.0021	0.11	0.00	0.00%	0.61%
Ontario Electricity Support Program Charge	55	0.0011	0.06	55	0.0011	0.06	0.00	0.00%	0.32%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.34%
Sub-Total: Regulatory			0.62			0.62	0.00	0.00%	3.33%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	1.88%
Total Electricity Charge on Two-Tier RPP (before HST)			17.30			17.77	0.48	2.75%	95.24%
HST		0.13	2.25		0.13	2.31	0.06	2.75%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			19.55			20.08	0.54	2.75%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-1.38		-0.08	-1.42	-0.04	2.75%	-7.62%
Total Amount on Two-Tier RPP			18.16			18.66	0.50	2.75%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218.4
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 48 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.103	20.60	200	0.103	20.60	0.00	0.00%	33.22%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			20.60			20.60	0.00	0.00%	33.22%
Service Charge	1	3.6	3.60	1	3.76	3.76	0.16	4.44%	6.06%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	200	0.1338	26.76	200	0.1401	28.02	1.26	4.71%	45.18%
Volumetric Deferral/Variance Account Rider (including CBR Class	200	0.0001	0.02	200	0.0001	0.02	0.00	0.00%	0.03%
Sub-Total: Distribution (excluding pass through)			30.38			31.80	1.42	4.67%	51.28%
Line Losses on Cost of Power	18	0.10	1.90	18	0.10	1.90	0.00	0.00%	3.06%
Sub-Total: Distribution			32.28			33.70	1.42	4.40%	54.34%
Retail Transmission Rate – Network Service Rate	218	0.0038	0.84	218	0.003836	0.84	0.00	0.00%	1.35%
Retail Transmission Rate – Line and Transformation Connection S	218	0.0036	0.79	218	0.003624	0.79	0.00	0.00%	1.28%
Sub-Total: Retail Transmission			1.63			1.63	0.00	0.00%	2.63%
Sub-Total: Delivery			33.90			35.32	1.42	4.19%	56.96%
Wholesale Market Service Rate	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.27%
Rural Rate Protection Charge	218	0.0021	0.46	218	0.0021	0.46	0.00	0.00%	0.74%
Ontario Electricity Support Program Charge	218	0.0011	0.24	218	0.0011	0.24	0.00	0.00%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.40%
Sub-Total: Regulatory			1.74			1.74	0.00	0.00%	2.80%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.26%
Total Electricity Charge on Two-Tier RPP (before HST)			57.64			59.06	1.42	2.46%	95.24%
HST		0.13	7.49		0.13	7.68	0.18	2.46%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			65.13			66.74	1.60	2.46%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.61		-0.08	-4.72	-0.11	2.46%	-7.62%
Total Amount on Two-Tier RPP			60.52			62.01	1.49	2.46%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 49 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.103	10.30	100	0.103	10.30	0.00	0.00%	33.09%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			10.30			10.30	0.00	0.00%	33.09%
Service Charge	1	4.77	4.77	1	4.89	4.89	0.12	2.52%	15.71%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	100	0.1070	10.70	100	0.1098	10.98	0.28	2.62%	35.27%
Volumetric Deferral/Variance Account Rider (including CBR Class	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.06%
Sub-Total: Distribution (excluding pass through)			15.49			15.89	0.40	2.58%	51.05%
Line Losses on Cost of Power	9	0.10	0.95	9	0.10	0.95	0.00	0.00%	3.04%
Sub-Total: Distribution			16.44			16.84	0.40	2.43%	54.09%
Retail Transmission Rate – Network Service Rate	109	0.0038	0.42	109	0.003836	0.42	0.00	0.00%	1.35%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0036	0.40	109	0.003624	0.40	0.00	0.00%	1.27%
Sub-Total: Retail Transmission			0.81			0.81	0.00	0.00%	2.62%
Sub-Total: Delivery			17.25			17.65	0.40	2.32%	56.71%
Wholesale Market Service Rate	109	0.0036	0.39	109	0.0036	0.39	0.00	0.00%	1.26%
Rural Rate Protection Charge	109	0.0021	0.23	109	0.0021	0.23	0.00	0.00%	0.74%
Ontario Electricity Support Program Charge	109	0.0011	0.12	109	0.0011	0.12	0.00	0.00%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.80%
Sub-Total: Regulatory			0.99			0.99	0.00	0.00%	3.19%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.25%
Total Electricity Charge on Two-Tier RPP (before HST)			29.24			29.64	0.40	1.37%	95.24%
HST		0.13	3.80		0.13	3.85	0.05	1.37%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			33.05			33.50	0.45	1.37%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-2.34		-0.08	-2.37	-0.03	1.37%	-7.62%
Total Amount on Two-Tier RPP			30.71			31.13	0.42	1.37%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	517
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	564.564
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 50 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	517	0.103	53.25	517	0.103	53.25	0.00	0.00%	38.60%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			53.25			53.25	0.00	0.00%	38.60%
Service Charge	1	4.77	4.77	1	4.89	4.89	0.12	2.52%	3.54%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	517	0.1070	55.32	517	0.1098	56.77	1.45	2.62%	41.15%
Volumetric Deferral/Variance Account Rider (including CBR Class	517	0.0002	0.10	517	0.0002	0.10	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			60.19			61.76	1.57	2.60%	44.77%
Line Losses on Cost of Power	48	0.10	4.90	48	0.10	4.90	0.00	0.00%	3.55%
Sub-Total: Distribution			65.09			66.66	1.57	2.41%	48.32%
Retail Transmission Rate – Network Service Rate	565	0.0038	2.17	565	0.003836	2.17	0.00	0.00%	1.57%
Retail Transmission Rate – Line and Transformation Connection S	565	0.0036	2.05	565	0.003624	2.05	0.00	0.00%	1.48%
Sub-Total: Retail Transmission			4.21			4.21	0.00	0.00%	3.05%
Sub-Total: Delivery			69.30			70.87	1.57	2.26%	51.38%
Wholesale Market Service Rate	565	0.0036	2.03	565	0.0036	2.03	0.00	0.00%	1.47%
Rural Rate Protection Charge	565	0.0013	0.73	565	0.0013	0.73	0.00	0.00%	0.53%
Ontario Electricity Support Program Charge	565	0.0011	0.62	565	0.0011	0.62	0.00	0.00%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%
Sub-Total: Regulatory			3.64			3.64	0.00	0.00%	2.64%
Debt Retirement Charge (DRC)	517	0.007	3.62	517	0.007	3.62	0.00	0.00%	2.62%
Total Electricity Charge on Two-Tier RPP (before HST)			129.81			131.38	1.57	1.21%	95.24%
HST		0.13	16.88		0.13	17.08	0.20	1.21%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			146.69			148.46	1.77	1.21%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.38		-0.08	-10.51	-0.13	1.21%	-7.62%
Total Amount on Two-Tier RPP			136.30			137.95	1.65	1.21%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 51 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.103	51.50	500	0.103	51.50	0.00	0.00%	38.55%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			51.50			51.50	0.00	0.00%	38.55%
Service Charge	1	4.77	4.77	1	4.89	4.89	0.12	2.52%	3.66%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	0.1070	53.50	500	0.1098	54.90	1.40	2.62%	41.10%
Volumetric Deferral/Variance Account Rider (including CBR Class	500	0.0002	0.10	500	0.0002	0.10	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			58.37			59.89	1.52	2.60%	44.83%
Line Losses on Cost of Power	46	0.10	4.74	46	0.10	4.74	0.00	0.00%	3.55%
Sub-Total: Distribution			63.11			64.63	1.52	2.41%	48.38%
Retail Transmission Rate – Network Service Rate	546	0.0038	2.09	546	0.003836	2.09	0.00	0.00%	1.57%
Retail Transmission Rate – Line and Transformation Connection S	546	0.0036	1.98	546	0.003624	1.98	0.00	0.00%	1.48%
Sub-Total: Retail Transmission			4.07			4.07	0.00	0.00%	3.05%
Sub-Total: Delivery			67.18			68.70	1.52	2.26%	51.43%
Wholesale Market Service Rate	546	0.0036	1.97	546	0.0036	1.97	0.00	0.00%	1.47%
Rural Rate Protection Charge	546	0.0013	0.71	546	0.0013	0.71	0.00	0.00%	0.53%
Ontario Electricity Support Program Charge	546	0.0011	0.60	546	0.0011	0.60	0.00	0.00%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%
Sub-Total: Regulatory			3.53			3.53	0.00	0.00%	2.64%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.62%
Total Electricity Charge on Two-Tier RPP (before HST)			125.71			127.23	1.52	1.21%	95.24%
HST		0.13	16.34		0.13	16.54	0.20	1.21%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			142.05			143.77	1.72	1.21%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.06		-0.08	-10.18	-0.12	1.21%	-7.62%
Total Amount on Two-Tier RPP			131.99			133.59	1.60	1.21%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 52 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.12%
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	27.65%
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	41.77%
Service Charge	1	4.77	4.77	1	4.89	4.89	0.12	2.52%	0.89%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.1070	214.00	2,000	0.1098	219.60	5.60	2.62%	40.14%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.07%
Sub-Total: Distribution (excluding pass through)			219.17			224.89	5.72	2.61%	41.11%
Line Losses on Cost of Power	184	0.12	22.26	184	0.12	22.26	0.00	0.00%	4.07%
Sub-Total: Distribution			241.43			247.15	5.72	2.37%	45.18%
Retail Transmission Rate – Network Service Rate	2,184	0.0038	8.38	2,184	0.003836	8.38	0.00	0.00%	1.53%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.0036	7.91	2,184	0.003624	7.91	0.00	0.00%	1.45%
Sub-Total: Retail Transmission			16.29			16.29	0.00	0.00%	2.98%
Sub-Total: Delivery			257.73			263.45	5.72	2.22%	48.15%
Wholesale Market Service Rate	2,184	0.0036	7.86	2,184	0.0036	7.86	0.00	0.00%	1.44%
Rural Rate Protection Charge	2,184	0.0021	4.59	2,184	0.0021	4.59	0.00	0.00%	0.84%
Ontario Electricity Support Program Charge	2,184	0.0011	2.40	2,184	0.0011	2.40	0.00	0.00%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			15.10			15.10	0.00	0.00%	2.76%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.56%
Total Electricity Charge on Two-Tier RPP (before HST)			515.33			521.05	5.72	1.11%	95.24%
HST		0.13	66.99		0.13	67.74	0.74	1.11%	12.38%
Total Electricity Charge on Two-Tier RPP (including HST)			582.32			588.78	6.46	1.11%	107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-41.23		-0.08	-41.68	-0.46	1.11%	-7.62%
Total Amount on Two-Tier RPP			541.09			547.10	6.01	1.11%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	AUR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	370
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 53 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	350	0.103	36.05	350	0.103	36.05	0.00	0.00%	43.87%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			36.05			36.05	0.00	0.00%	43.87%	
TOU-Off Peak	228	0.087	19.79	228	0.087	19.79	0.00	0.00%		23.17%
TOU-Mid Peak	60	0.132	7.85	60	0.132	7.85	0.00	0.00%		9.19%
TOU-On Peak	63	0.180	11.34	63	0.180	11.34	0.00	0.00%		13.27%
Sub-Total: Energy (TOU)			38.99			38.99	0.00	0.00%	47.45%	45.64%
Service Charge	1	30.76	30.76	1	31.60	31.60	0.84	2.73%	38.46%	36.99%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	350	0	0.00	350	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	350	0	0.00	350	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.76			31.60	0.84	2.73%	38.46%	36.99%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.96%	0.92%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.10	2.05	20	0.10	2.05	0.00	0.00%	2.50%	2.41%
Line Losses on Cost of Power (based on TOU prices)	20	0.11	2.22	20	0.11	2.22	0.00	0.00%	2.70%	2.60%
Sub-Total: Distribution (based on two-tier RPP prices)			33.60			34.44	0.84	2.50%	41.92%	40.32%
Sub-Total: Distribution (based on TOU prices)			33.77			34.61	0.84	2.49%	42.12%	40.52%
Retail Transmission Rate – Network Service Rate	370	0.0073	2.70	370	0.0073	2.70	0.00	0.00%	3.29%	3.16%
Retail Transmission Rate – Line and Transformation Connection S	370	0.0062	2.29	370	0.0062	2.29	0.00	0.00%	2.79%	2.68%
Sub-Total: Retail Transmission			4.99			4.99	0.00	0.00%	6.08%	5.85%
Sub-Total: Delivery (based on two-tier RPP prices)			38.60			39.44	0.84	2.18%	48.00%	46.17%
Sub-Total: Delivery (based on TOU prices)			38.77			39.61	0.84	2.17%	48.20%	46.36%
Wholesale Market Service Rate	370	0.0036	1.33	370	0.0036	1.33	0.00	0.00%	1.62%	1.56%
Rural Rate Protection Charge	370	0.0021	0.78	370	0.0021	0.78	0.00	0.00%	0.95%	0.91%
Ontario Electricity Support Program Charge	370	0.0011	0.41	370	0.0011	0.41	0.00	0.00%	0.50%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.30%	0.29%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	3.37%	3.24%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			77.41			78.25	0.84	1.09%	95.24%	
HST		0.13	10.06		0.13	10.17	0.11	1.09%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			87.48			88.43	0.95	1.09%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.19		-0.08	-6.26	-0.07	1.09%	-7.62%	
Total Amount on Two-Tier RPP			81.29			82.17	0.88	1.09%	100.00%	
Total Electricity Charge on TOU (before HST)			80.52			81.36	0.84	1.04%		95.24%
HST		0.13	10.47		0.13	10.58	0.11	1.04%		12.38%
Total Electricity Charge on TOU (including HST)			90.99			91.94	0.95	1.04%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.44		-0.08	-6.51	-0.07	1.04%		-7.62%
Total Amount on TOU			84.54			85.43	0.88	1.04%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	AUR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	793
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 54 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	43.97%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	12.91%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	56.88%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		29.48%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		11.70%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		16.89%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	59.44%	58.06%
Service Charge	1	30.76	30.76	1	31.6	31.60	0.84	2.73%	22.48%	21.96%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0	0.00	750	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	750	0	0.00	750	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.76			31.60	0.84	2.73%	22.48%	21.96%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.56%	0.55%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.12	5.17	43	0.12	5.17	0.00	0.00%	3.68%	3.59%
Line Losses on Cost of Power (based on TOU prices)	43	0.11	4.76	43	0.11	4.76	0.00	0.00%	3.39%	3.31%
Sub-Total: Distribution (based on two-tier RPP prices)			36.72			37.56	0.84	2.29%	26.73%	26.11%
Sub-Total: Distribution (based on TOU prices)			36.31			37.15	0.84	2.31%	26.43%	25.82%
Retail Transmission Rate – Network Service Rate	793	0.0073	5.79	793	0.0073	5.79	0.00	0.00%	4.12%	4.02%
Retail Transmission Rate – Line and Transformation Connection S	793	0.0062	4.92	793	0.0062	4.92	0.00	0.00%	3.50%	3.42%
Sub-Total: Retail Transmission			10.70			10.70	0.00	0.00%	7.61%	7.44%
Sub-Total: Delivery (based on two-tier RPP prices)			47.42			48.26	0.84	1.77%	34.34%	33.54%
Sub-Total: Delivery (based on TOU prices)			47.01			47.85	0.84	1.79%	34.05%	33.26%
Wholesale Market Service Rate	793	0.0036	2.85	793	0.0036	2.85	0.00	0.00%	2.03%	1.98%
Rural Rate Protection Charge	793	0.0021	1.66	793	0.0021	1.66	0.00	0.00%	1.18%	1.16%
Ontario Electricity Support Program Charge	793	0.0011	0.87	793	0.0011	0.87	0.00	0.00%	0.62%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%	0.17%
Sub-Total: Regulatory			5.64			5.64	0.00	0.00%	4.01%	3.92%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			133.02			133.86	0.84	0.63%	95.24%	
HST		0.13	17.29		0.13	17.40	0.11	0.63%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			150.31			151.26	0.95	0.63%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.64		-0.08	-10.71	-0.07	0.63%	-7.62%	
Total Amount on Two-Tier RPP			139.67			140.55	0.88	0.63%	100.00%	
Total Electricity Charge on TOU (before HST)			136.20			137.04	0.84	0.62%		95.24%
HST		0.13	17.71		0.13	17.81	0.11	0.62%		12.38%
Total Electricity Charge on TOU (including HST)			153.90			154.85	0.95	0.62%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.90		-0.08	-10.96	-0.07	0.62%		-7.62%
Total Amount on TOU			143.01			143.89	0.88	0.62%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	AUR
Monthly Consumption (kWh)	505
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	534
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 55 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	505	0.103	52.02	505	0.103	52.02	0.00	0.00%	50.32%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			52.02			52.02	0.00	0.00%	50.32%	
TOU-Off Peak	328	0.087	28.56	328	0.087	28.56	0.00	0.00%		26.42%
TOU-Mid Peak	86	0.132	11.33	86	0.132	11.33	0.00	0.00%		10.48%
TOU-On Peak	91	0.180	16.36	91	0.180	16.36	0.00	0.00%		15.14%
Sub-Total: Energy (TOU)			56.25			56.25	0.00	0.00%	54.41%	52.05%
Service Charge	1	30.76	30.76	1	31.6	31.60	0.84	2.73%	30.57%	29.24%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	505	0	0.00	505	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	505	0	0.00	505	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.76			31.60	0.84	2.73%	30.57%	29.24%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.76%	0.73%
Line Losses on Cost of Power (based on two-tier RPP prices)	29	0.10	2.96	29	0.10	2.96	0.00	0.00%	2.87%	2.74%
Line Losses on Cost of Power (based on TOU prices)	29	0.11	3.21	29	0.11	3.21	0.00	0.00%	3.10%	2.97%
Sub-Total: Distribution (based on two-tier RPP prices)			34.51			35.35	0.84	2.43%	34.20%	32.71%
Sub-Total: Distribution (based on TOU prices)			34.76			35.60	0.84	2.42%	34.43%	32.93%
Retail Transmission Rate – Network Service Rate	534	0.0073	3.90	534	0.0073	3.90	0.00	0.00%	3.77%	3.61%
Retail Transmission Rate – Line and Transformation Connection S	534	0.0062	3.31	534	0.0062	3.31	0.00	0.00%	3.20%	3.06%
Sub-Total: Retail Transmission			7.21			7.21	0.00	0.00%	6.97%	6.67%
Sub-Total: Delivery (based on two-tier RPP prices)			41.72			42.56	0.84	2.01%	41.17%	39.38%
Sub-Total: Delivery (based on TOU prices)			41.96			42.80	0.84	2.00%	41.40%	39.60%
Wholesale Market Service Rate	534	0.0036	1.92	534	0.0036	1.92	0.00	0.00%	1.86%	1.78%
Rural Rate Protection Charge	534	0.0021	1.12	534	0.0021	1.12	0.00	0.00%	1.08%	1.04%
Ontario Electricity Support Program Charge	534	0.0011	0.59	534	0.0011	0.59	0.00	0.00%	0.57%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.24%	0.23%
Sub-Total: Regulatory			3.88			3.88	0.00	0.00%	3.75%	3.59%
Debt Retirement Charge (DRC)	505	0.000	0.00	505	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			97.62			98.46	0.84	0.86%	95.24%	
HST		0.13	12.69		0.13	12.80	0.11	0.86%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			110.31			111.25	0.95	0.86%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.81		-0.08	-7.88	-0.07	0.86%	-7.62%	
Total Amount on Two-Tier RPP			102.50			103.38	0.88	0.86%	100.00%	
Total Electricity Charge on TOU (before HST)			102.09			102.93	0.84	0.82%		95.24%
HST		0.13	13.27		0.13	13.38	0.11	0.82%		12.38%
Total Electricity Charge on TOU (including HST)			115.37			116.32	0.95	0.82%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.17		-0.08	-8.23	-0.07	0.82%		-7.62%
Total Amount on TOU			107.20			108.08	0.88	0.82%		100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	AUR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1480
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 56 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	25.49%	
Energy Second Tier (kWh)	800	0.121	96.80	800	0.121	96.80	0.00	0.00%	39.92%	
Sub-Total: Energy (RPP)			158.60			158.60	0.00	0.00%	65.41%	
TOU-Off Peak	910	0.087	79.17	910	0.087	79.17	0.00	0.00%		33.14%
TOU-Mid Peak	238	0.132	31.42	238	0.132	31.42	0.00	0.00%		13.15%
TOU-On Peak	252	0.180	45.36	252	0.180	45.36	0.00	0.00%		18.99%
Sub-Total: Energy (TOU)			155.95			155.95	0.00	0.00%	64.31%	65.28%
Service Charge	1	30.76	30.76	1	31.6	31.60	0.84	2.73%	13.03%	13.23%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,400	0	0.00	1,400	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,400	0	0.00	1,400	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.76			31.60	0.84	2.73%	13.03%	13.23%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.33%	0.33%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.12	9.66	80	0.12	9.66	0.00	0.00%	3.98%	4.04%
Line Losses on Cost of Power (based on TOU prices)	80	0.11	8.89	80	0.11	8.89	0.00	0.00%	3.67%	3.72%
Sub-Total: Distribution (based on two-tier RPP prices)			41.21			42.05	0.84	2.04%	17.34%	17.60%
Sub-Total: Distribution (based on TOU prices)			40.44			41.28	0.84	2.08%	17.02%	17.28%
Retail Transmission Rate – Network Service Rate	1,480	0.0073	10.80	1,480	0.0073	10.80	0.00	0.00%	4.45%	4.52%
Retail Transmission Rate – Line and Transformation Connection S	1,480	0.0062	9.17	1,480	0.0062	9.17	0.00	0.00%	3.78%	3.84%
Sub-Total: Retail Transmission			19.98			19.98	0.00	0.00%	8.24%	8.36%
Sub-Total: Delivery (based on two-tier RPP prices)			61.18			62.02	0.84	1.37%	25.58%	25.96%
Sub-Total: Delivery (based on TOU prices)			60.42			61.26	0.84	1.39%	25.26%	25.64%
Wholesale Market Service Rate	1,480	0.0036	5.33	1,480	0.0036	5.33	0.00	0.00%	2.20%	2.23%
Rural Rate Protection Charge	1,480	0.0021	3.11	1,480	0.0021	3.11	0.00	0.00%	1.28%	1.30%
Ontario Electricity Support Program Charge	1,480	0.0011	1.63	1,480	0.0011	1.63	0.00	0.00%	0.67%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			10.31			10.31	0.00	0.00%	4.25%	4.32%
Debt Retirement Charge (DRC)	1,400	0.000	0.00	1,400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			230.10			230.94	0.84	0.37%	95.24%	
HST		0.13	29.91		0.13	30.02	0.11	0.37%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			260.01			260.96	0.95	0.37%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.41		-0.08	-18.47	-0.07	0.37%	-7.62%	
Total Amount on Two-Tier RPP			241.60			242.48	0.88	0.37%	100.00%	
Total Electricity Charge on TOU (before HST)			226.67			227.51	0.84	0.37%		95.24%
HST		0.13	29.47		0.13	29.58	0.11	0.37%		12.38%
Total Electricity Charge on TOU (including HST)			256.14			257.09	0.95	0.37%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.13		-0.08	-18.20	-0.07	0.37%		-7.62%
Total Amount on TOU			238.01			238.89	0.88	0.37%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	AR
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	427
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 57 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.103	41.20	400	0.103	41.20	0.00	0.00%	41.46%	
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			41.20			41.20	0.00	0.00%	41.46%	
TOU-Off Peak	260	0.087	22.62	260	0.087	22.62	0.00	0.00%		21.93%
TOU-Mid Peak	68	0.132	8.98	68	0.132	8.98	0.00	0.00%		8.70%
TOU-On Peak	72	0.180	12.96	72	0.180	12.96	0.00	0.00%		12.57%
Sub-Total: Energy (TOU)			44.56			44.56	0.00	0.00%	44.83%	43.20%
Service Charge	1	40.08	40.08	1	41.17	41.17	1.09	2.72%	41.43%	39.92%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	400	0	0.00	400	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class)	400	0.0000	0.00	400	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.08			41.17	1.09	2.72%	41.43%	39.92%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.79%	0.77%
Line Losses on Cost of Power (based on two-tier RPP prices)	27	0.10	2.75	27	0.10	2.75	0.00	0.00%	2.77%	2.66%
Line Losses on Cost of Power (based on TOU prices)	27	0.11	2.97	27	0.11	2.97	0.00	0.00%	2.99%	2.88%
Sub-Total: Distribution (based on two-tier RPP prices)			43.62			44.71	1.09	2.50%	44.99%	43.35%
Sub-Total: Distribution (based on TOU prices)			43.84			44.93	1.09	2.49%	45.21%	43.56%
Retail Transmission Rate – Network Service Rate	427	0.0071	3.03	427	0.0071	3.03	0.00	0.00%	3.05%	2.94%
Retail Transmission Rate – Line and Transformation Connection S	427	0.0060	2.56	427	0.006	2.56	0.00	0.00%	2.58%	2.48%
Sub-Total: Retail Transmission			5.59			5.59	0.00	0.00%	5.62%	5.42%
Sub-Total: Delivery (based on two-tier RPP prices)			49.21			50.30	1.09	2.22%	50.61%	48.77%
Sub-Total: Delivery (based on TOU prices)			49.43			50.52	1.09	2.21%	50.84%	48.98%
Wholesale Market Service Rate	427	0.0036	1.54	427	0.0036	1.54	0.00	0.00%	1.55%	1.49%
Rural Rate Protection Charge	427	0.0021	0.90	427	0.0021	0.90	0.00	0.00%	0.90%	0.87%
Ontario Electricity Support Program Charge	427	0.0011	0.47	427	0.0011	0.47	0.00	0.00%	0.47%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.25%	0.24%
Sub-Total: Regulatory			3.15			3.15	0.00	0.00%	3.17%	3.06%
Debt Retirement Charge (DRC)	400	0.000	0.00	400	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			93.56			94.65	1.09	1.17%	95.24%	
HST		0.13	12.16		0.13	12.30	0.14	1.17%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			105.72			106.95	1.23	1.17%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.48		-0.08	-7.57	-0.09	1.17%	-7.62%	
Total Amount on Two-Tier RPP			98.24			99.38	1.14	1.17%	100.00%	
Total Electricity Charge on TOU (before HST)			97.14			98.23	1.09	1.12%		95.24%
HST		0.13	12.63		0.13	12.77	0.14	1.12%		12.38%
Total Electricity Charge on TOU (including HST)			109.77			111.00	1.23	1.12%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.77		-0.08	-7.86	-0.09	1.12%		-7.62%
Total Amount on TOU			102.00			103.14	1.14	1.12%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	AR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	800
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 58 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	40.84%	
Energy Second Tier (kWh)	150	0.121	18.15	150	0.121	18.15	0.00	0.00%	11.99%	
Sub-Total: Energy (RPP)			79.95			79.95	0.00	0.00%	52.83%	
TOU-Off Peak	488	0.087	42.41	488	0.087	42.41	0.00	0.00%		27.43%
TOU-Mid Peak	128	0.132	16.83	128	0.132	16.83	0.00	0.00%		10.89%
TOU-On Peak	135	0.180	24.30	135	0.180	24.30	0.00	0.00%		15.72%
Sub-Total: Energy (TOU)			83.54			83.54	0.00	0.00%	55.20%	54.04%
Service Charge	1	40.08	40.08	1	41.17	41.17	1.09	2.72%	27.20%	26.63%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	750	0	0.00	750	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class)	750	0.0000	0.00	750	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.08			41.17	1.09	2.72%	27.20%	26.63%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.52%	0.51%
Line Losses on Cost of Power (based on two-tier RPP prices)	50	0.12	6.05	50	0.12	6.05	0.00	0.00%	4.00%	3.92%
Line Losses on Cost of Power (based on TOU prices)	50	0.11	5.57	50	0.11	5.57	0.00	0.00%	3.68%	3.60%
Sub-Total: Distribution (based on two-tier RPP prices)			46.92			48.01	1.09	2.32%	31.73%	31.05%
Sub-Total: Distribution (based on TOU prices)			46.44			47.53	1.09	2.35%	31.41%	30.74%
Retail Transmission Rate – Network Service Rate	800	0.0071	5.68	800	0.0071	5.68	0.00	0.00%	3.75%	3.67%
Retail Transmission Rate – Line and Transformation Connection S	800	0.0060	4.80	800	0.006	4.80	0.00	0.00%	3.17%	3.10%
Sub-Total: Retail Transmission			10.48			10.48	0.00	0.00%	6.93%	6.78%
Sub-Total: Delivery (based on two-tier RPP prices)			57.40			58.49	1.09	1.90%	38.65%	37.83%
Sub-Total: Delivery (based on TOU prices)			56.92			58.01	1.09	1.91%	38.33%	37.52%
Wholesale Market Service Rate	800	0.0036	2.88	800	0.0036	2.88	0.00	0.00%	1.90%	1.86%
Rural Rate Protection Charge	800	0.0021	1.68	800	0.0021	1.68	0.00	0.00%	1.11%	1.09%
Ontario Electricity Support Program Charge	800	0.0011	0.88	800	0.0011	0.88	0.00	0.00%	0.58%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.16%
Sub-Total: Regulatory			5.69			5.69	0.00	0.00%	3.76%	3.68%
Debt Retirement Charge (DRC)	750	0.000	0.00	750	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			143.04			144.13	1.09	0.76%	95.24%	
HST		0.13	18.60		0.13	18.74	0.14	0.76%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			161.64			162.87	1.23	0.76%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.44		-0.08	-11.53	-0.09	0.76%	-7.62%	
Total Amount on Two-Tier RPP			150.20			151.34	1.14	0.76%	100.00%	
Total Electricity Charge on TOU (before HST)			146.16			147.25	1.09	0.75%		95.24%
HST		0.13	19.00		0.13	19.14	0.14	0.75%		12.38%
Total Electricity Charge on TOU (including HST)			165.16			166.39	1.23	0.75%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.69		-0.08	-11.78	-0.09	0.75%		-7.62%
Total Amount on TOU			153.46			154.61	1.14	0.75%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	AR
Monthly Consumption (kWh)	634
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	676
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 59 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	46.45%	
Energy Second Tier (kWh)	34	0.121	4.11	34	0.121	4.11	0.00	0.00%	3.09%	
Sub-Total: Energy (RPP)			65.91			65.91	0.00	0.00%	49.55%	
TOU-Off Peak	412	0.087	35.85	412	0.087	35.85	0.00	0.00%		26.07%
TOU-Mid Peak	108	0.132	14.23	108	0.132	14.23	0.00	0.00%		10.34%
TOU-On Peak	114	0.180	20.54	114	0.180	20.54	0.00	0.00%		14.93%
Sub-Total: Energy (TOU)			70.62			70.62	0.00	0.00%	53.09%	51.34%
Service Charge	1	40.08	40.08	1	41.17	41.17	1.09	2.72%	30.95%	29.93%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	634	0	0.00	634	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class)	634	0.0000	0.00	634	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.08			41.17	1.09	2.72%	30.95%	29.93%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.59%	0.57%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.12	5.12	42	0.12	5.12	0.00	0.00%	3.85%	3.72%
Line Losses on Cost of Power (based on TOU prices)	42	0.11	4.71	42	0.11	4.71	0.00	0.00%	3.54%	3.42%
Sub-Total: Distribution (based on two-tier RPP prices)			45.99			47.08	1.09	2.37%	35.39%	34.23%
Sub-Total: Distribution (based on TOU prices)			45.58			46.67	1.09	2.39%	35.08%	33.93%
Retail Transmission Rate – Network Service Rate	676	0.0071	4.80	676	0.0071	4.80	0.00	0.00%	3.61%	3.49%
Retail Transmission Rate – Line and Transformation Connection S	676	0.0060	4.06	676	0.006	4.06	0.00	0.00%	3.05%	2.95%
Sub-Total: Retail Transmission			8.86			8.86	0.00	0.00%	6.66%	6.44%
Sub-Total: Delivery (based on two-tier RPP prices)			54.85			55.94	1.09	1.99%	42.05%	40.67%
Sub-Total: Delivery (based on TOU prices)			54.44			55.53	1.09	2.00%	41.74%	40.37%
Wholesale Market Service Rate	676	0.0036	2.43	676	0.0036	2.43	0.00	0.00%	1.83%	1.77%
Rural Rate Protection Charge	676	0.0021	1.42	676	0.0021	1.42	0.00	0.00%	1.07%	1.03%
Ontario Electricity Support Program Charge	676	0.0011	0.74	676	0.0011	0.74	0.00	0.00%	0.56%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.18%
Sub-Total: Regulatory			4.85			4.85	0.00	0.00%	3.64%	3.53%
Debt Retirement Charge (DRC)	634	0.000	0.00	634	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			125.61			126.70	1.09	0.87%	95.24%	
HST		0.13	16.33		0.13	16.47	0.14	0.87%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			141.94			143.17	1.23	0.87%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.05		-0.08	-10.14	-0.09	0.87%	-7.62%	
Total Amount on Two-Tier RPP			131.89			133.03	1.14	0.87%	100.00%	
Total Electricity Charge on TOU (before HST)			129.91			131.00	1.09	0.84%		95.24%
HST		0.13	16.89		0.13	17.03	0.14	0.84%		12.38%
Total Electricity Charge on TOU (including HST)			146.80			148.03	1.23	0.84%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.39		-0.08	-10.48	-0.09	0.84%		-7.62%
Total Amount on TOU			136.41			137.55	1.14	0.84%		100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	AR
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1920
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 60 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.103	61.80	600	0.103	61.80	0.00	0.00%	19.49%	
Energy Second Tier (kWh)	1,200	0.121	145.20	1,200	0.121	145.20	0.00	0.00%	45.80%	
Sub-Total: Energy (RPP)			207.00			207.00	0.00	0.00%	65.29%	
TOU-Off Peak	1,170	0.087	101.79	1,170	0.087	101.79	0.00	0.00%		32.94%
TOU-Mid Peak	306	0.132	40.39	306	0.132	40.39	0.00	0.00%		13.07%
TOU-On Peak	324	0.180	58.32	324	0.180	58.32	0.00	0.00%		18.87%
Sub-Total: Energy (TOU)			200.50			200.50	0.00	0.00%	63.24%	64.89%
Service Charge	1	40.08	40.08	1	41.17	41.17	1.09	2.72%	12.99%	13.32%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,800	0	0.00	1,800	0	0.00	0.00	0.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.08			41.17	1.09	2.72%	12.99%	13.32%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.25%	0.26%
Line Losses on Cost of Power (based on two-tier RPP prices)	120	0.12	14.53	120	0.12	14.53	0.00	0.00%	4.58%	4.70%
Line Losses on Cost of Power (based on TOU prices)	120	0.11	13.37	120	0.11	13.37	0.00	0.00%	4.22%	4.33%
Sub-Total: Distribution (based on two-tier RPP prices)			55.40			56.49	1.09	1.97%	17.82%	18.28%
Sub-Total: Distribution (based on TOU prices)			54.24			55.33	1.09	2.01%	17.45%	17.91%
Retail Transmission Rate – Network Service Rate	1,920	0.0071	13.63	1,920	0.0071	13.63	0.00	0.00%	4.30%	4.41%
Retail Transmission Rate – Line and Transformation Connection S	1,920	0.0060	11.52	1,920	0.006	11.52	0.00	0.00%	3.63%	3.73%
Sub-Total: Retail Transmission			25.15			25.15	0.00	0.00%	7.93%	8.14%
Sub-Total: Delivery (based on two-tier RPP prices)			80.55			81.64	1.09	1.35%	25.75%	26.42%
Sub-Total: Delivery (based on TOU prices)			79.40			80.49	1.09	1.37%	25.39%	26.05%
Wholesale Market Service Rate	1,920	0.0036	6.91	1,920	0.0036	6.91	0.00	0.00%	2.18%	2.24%
Rural Rate Protection Charge	1,920	0.0021	4.03	1,920	0.0021	4.03	0.00	0.00%	1.27%	1.30%
Ontario Electricity Support Program Charge	1,920	0.0011	2.11	1,920	0.0011	2.11	0.00	0.00%	0.67%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			13.31			13.31	0.00	0.00%	4.20%	4.31%
Debt Retirement Charge (DRC)	1,800	0.000	0.00	1,800	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Electricity Charge on Two-Tier RPP			300.86			301.95	1.09	0.36%	95.24%	
HST		0.13	39.11		0.13	39.25	0.14	0.36%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			339.97			341.20	1.23	0.36%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-24.07		-0.08	-24.16	-0.09	0.36%	-7.62%	
Total Amount on Two-Tier RPP			315.90			317.04	1.14	0.36%	100.00%	
Total Electricity Charge on TOU (before HST)			293.20			294.29	1.09	0.37%		95.24%
HST		0.13	38.12		0.13	38.26	0.14	0.37%		12.38%
Total Electricity Charge on TOU (including HST)			331.32			332.55	1.23	0.37%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-23.46		-0.08	-23.54	-0.09	0.37%	-7.62%	
Total Amount on TOU			307.86			309.01	1.14	0.37%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	AUGe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1057
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 61 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	37.41%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.65%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	52.05%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		26.92%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.68%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		15.43%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	53.94%	53.04%
Service Charge	1	30.24	30.24	1	35.68	35.68	5.44	17.99%	17.28%	16.99%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0174	17.40	1,000	0.0206	20.60	3.20	18.39%	9.97%	9.81%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0	0.0000	1,000	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			47.64			56.28	8.64	18.14%	27.25%	26.80%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.12	6.90	57	0.12	6.90	0.00	0.00%	3.34%	3.28%
Line Losses on Cost of Power (based on TOU prices)	57	0.11	6.35	57	0.11	6.35	0.00	0.00%	3.07%	3.02%
Sub-Total: Distribution (based on two-tier RPP prices)			55.33			63.97	8.64	15.62%	30.97%	30.46%
Sub-Total: Distribution (based on TOU prices)			54.78			63.42	8.64	15.77%	30.71%	30.20%
Retail Transmission Rate – Network Service Rate	1,057	0.0056	5.92	1,057	0.0056	5.92	0.00	0.00%	2.87%	2.82%
Retail Transmission Rate – Line and Transformation Connection S	1,057	0.0046	4.86	1,057	0.0046	4.86	0.00	0.00%	2.35%	2.32%
Sub-Total: Retail Transmission			10.78			10.78	0.00	0.00%	5.22%	5.13%
Sub-Total: Delivery (based on two-tier RPP prices)			66.11			74.75	8.64	13.07%	36.19%	35.59%
Sub-Total: Delivery (based on TOU prices)			65.56			74.20	8.64	13.18%	35.93%	35.33%
Wholesale Market Service Rate	1,057	0.0036	3.81	1,057	0.0036	3.81	0.00	0.00%	1.84%	1.81%
Rural Rate Protection Charge	1,057	0.0021	2.22	1,057	0.0021	2.22	0.00	0.00%	1.07%	1.06%
Ontario Electricity Support Program Charge	1,057	0.0011	1.16	1,057	0.0011	1.16	0.00	0.00%	0.56%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			7.44			7.44	0.00	0.00%	3.60%	3.54%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.39%	3.33%
Total Electricity Charge on Two-Tier RPP			188.05			196.69	8.64	4.59%	95.24%	
HST		0.13	24.45		0.13	25.57	1.12	4.59%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			212.49			222.26	9.76	4.59%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.04		-0.08	-15.73	-0.69	4.59%	-7.62%	
Total Amount on Two-Tier RPP			197.45			206.52	9.07	4.59%	100.00%	
Total Electricity Charge on TOU (before HST)			191.39			200.03	8.64	4.51%		95.24%
HST		0.13	24.88		0.13	26.00	1.12	4.51%		12.38%
Total Electricity Charge on TOU (including HST)			216.27			226.03	9.76	4.51%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.31		-0.08	-16.00	-0.69	4.51%		-7.62%
Total Amount on TOU			200.96			210.03	9.07	4.51%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	AUGe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2114
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 62 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.88%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	38.92%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	58.79%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		29.65%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.76%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.99%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	57.32%	58.40%
Service Charge	1	30.24	30.24	1	35.68	35.68	5.44	17.99%	9.18%	9.35%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0174	34.80	2,000	0.0206	41.20	6.40	18.39%	10.60%	10.80%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0	0.0000	2,000	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			65.04			76.88	11.84	18.20%	19.78%	20.15%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.12	13.79	114	0.12	13.79	0.00	0.00%	3.55%	3.62%
Line Losses on Cost of Power (based on TOU prices)	114	0.11	12.70	114	0.11	12.70	0.00	0.00%	3.27%	3.33%
Sub-Total: Distribution (based on two-tier RPP prices)			79.62			91.46	11.84	14.87%	23.53%	23.97%
Sub-Total: Distribution (based on TOU prices)			78.53			90.37	11.84	15.08%	23.25%	23.69%
Retail Transmission Rate – Network Service Rate	2,114	0.0056	11.84	2,114	0.0056	11.84	0.00	0.00%	3.05%	3.10%
Retail Transmission Rate – Line and Transformation Connection S	2,114	0.0046	9.72	2,114	0.0046	9.72	0.00	0.00%	2.50%	2.55%
Sub-Total: Retail Transmission			21.56			21.56	0.00	0.00%	5.55%	5.65%
Sub-Total: Delivery (based on two-tier RPP prices)			101.19			113.03	11.84	11.70%	29.08%	29.63%
Sub-Total: Delivery (based on TOU prices)			100.09			111.93	11.84	11.83%	28.80%	29.34%
Wholesale Market Service Rate	2,114	0.0036	7.61	2,114	0.0036	7.61	0.00	0.00%	1.96%	1.99%
Rural Rate Protection Charge	2,114	0.0021	4.44	2,114	0.0021	4.44	0.00	0.00%	1.14%	1.16%
Ontario Electricity Support Program Charge	2,114	0.0011	2.33	2,114	0.0011	2.33	0.00	0.00%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.07%
Sub-Total: Regulatory			14.63			14.63	0.00	0.00%	3.76%	3.83%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.60%	3.67%
Total Electricity Charge on Two-Tier RPP			358.31			370.15	11.84	3.30%	95.24%	
HST		0.13	46.58		0.13	48.12	1.54	3.30%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			404.89			418.27	13.38	3.30%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-28.66		-0.08	-29.61	-0.95	3.30%	-7.62%	
Total Amount on Two-Tier RPP			376.23			388.66	12.43	3.30%	100.00%	
Total Electricity Charge on TOU (before HST)			351.50			363.34	11.84	3.37%		95.24%
HST		0.13	45.69		0.13	47.23	1.54	3.37%		12.38%
Total Electricity Charge on TOU (including HST)			397.19			410.57	13.38	3.37%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-28.12		-0.08	-29.07	-0.95	3.37%		-7.62%
Total Amount on TOU			369.07			381.50	12.43	3.37%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	AUGe
Monthly Consumption (kWh)	2,695
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2848.615
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 63 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	14.99%	
Energy Second Tier (kWh)	1,945	0.121	235.35	1,945	0.121	235.35	0.00	0.00%	45.68%	
Sub-Total: Energy (RPP)			312.60			312.60	0.00	0.00%	60.67%	
TOU-Off Peak	1,752	0.087	152.40	1,752	0.087	152.40	0.00	0.00%		30.44%
TOU-Mid Peak	458	0.132	60.48	458	0.132	60.48	0.00	0.00%		12.08%
TOU-On Peak	485	0.180	87.32	485	0.180	87.32	0.00	0.00%		17.44%
Sub-Total: Energy (TOU)			300.20			300.20	0.00	0.00%	58.26%	59.96%
Service Charge	1	30.24	30.24	1	35.68	35.68	5.44	17.99%	6.92%	7.13%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,695	0.0174	46.89	2,695	0.0206	55.52	8.62	18.39%	10.77%	11.09%
Volumetric Deferral/Variance Account Rider (including CBR Class)	2,695	0	0.0000	2,695	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			77.13			91.20	14.06	18.23%	17.70%	18.21%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.15%	0.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	154	0.12	18.59	154	0.12	18.59	0.00	0.00%	3.61%	3.71%
Line Losses on Cost of Power (based on TOU prices)	154	0.11	17.11	154	0.11	17.11	0.00	0.00%	3.32%	3.42%
Sub-Total: Distribution (based on two-tier RPP prices)			96.51			110.57	14.06	14.57%	21.46%	22.08%
Sub-Total: Distribution (based on TOU prices)			95.03			109.10	14.06	14.80%	21.17%	21.79%
Retail Transmission Rate – Network Service Rate	2,849	0.0056	15.95	2,849	0.0056	15.95	0.00	0.00%	3.10%	3.19%
Retail Transmission Rate – Line and Transformation Connection S	2,849	0.0046	13.10	2,849	0.0046	13.10	0.00	0.00%	2.54%	2.62%
Sub-Total: Retail Transmission			29.06			29.06	0.00	0.00%	5.64%	5.80%
Sub-Total: Delivery (based on two-tier RPP prices)			125.57			139.63	14.06	11.20%	27.10%	27.89%
Sub-Total: Delivery (based on TOU prices)			124.09			138.15	14.06	11.33%	26.81%	27.59%
Wholesale Market Service Rate	2,849	0.0036	10.26	2,849	0.0036	10.26	0.00	0.00%	1.99%	2.05%
Rural Rate Protection Charge	2,849	0.0021	5.98	2,849	0.0021	5.98	0.00	0.00%	1.16%	1.19%
Ontario Electricity Support Program Charge	2,849	0.0011	3.13	2,849	0.0011	3.13	0.00	0.00%	0.61%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%	0.05%
Sub-Total: Regulatory			19.62			19.62	0.00	0.00%	3.81%	3.92%
Debt Retirement Charge (DRC)	2,695	0.007	18.87	2,695	0.007	18.87	0.00	0.00%	3.66%	3.77%
Total Electricity Charge on Two-Tier RPP			476.65			490.71	14.06	2.95%	95.24%	
HST		0.13	61.96		0.13	63.79	1.83	2.95%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			538.61			554.50	15.89	2.95%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-38.13		-0.08	-39.26	-1.13	2.95%	-7.62%	
Total Amount on Two-Tier RPP			500.48			515.25	14.77	2.95%	100.00%	
Total Electricity Charge on TOU (before HST)			462.77			476.84	14.06	3.04%		95.24%
HST		0.13	60.16		0.13	61.99	1.83	3.04%		12.38%
Total Electricity Charge on TOU (including HST)			522.93			538.82	15.89	3.04%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-37.02		-0.08	-38.15	-1.13	3.04%	-7.62%	
Total Amount on TOU			485.91			500.68	14.77	3.04%		100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	AUGe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	15855
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 64 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.80%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	62.55%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	65.36%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		32.49%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.89%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		18.62%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	60.62%	64.00%
Service Charge	1	30.24	30.24	1	35.68	35.68	5.44	17.99%	1.29%	1.37%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0174	261.00	15,000	0.0206	309.00	48.00	18.39%	11.21%	11.84%
Volumetric Deferral/Variance Account Rider (including CBR Class	15,000	0	0.0000	15,000	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			291.24			344.68	53.44	18.35%	12.50%	13.20%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	855	0.12	103.46	855	0.12	103.46	0.00	0.00%	3.75%	3.96%
Line Losses on Cost of Power (based on TOU prices)	855	0.11	95.24	855	0.11	95.24	0.00	0.00%	3.46%	3.65%
Sub-Total: Distribution (based on two-tier RPP prices)			395.49			448.93	53.44	13.51%	16.29%	17.20%
Sub-Total: Distribution (based on TOU prices)			387.27			440.71	53.44	13.80%	15.99%	16.88%
Retail Transmission Rate – Network Service Rate	15,855	0.0056	88.79	15,855	0.0056	88.79	0.00	0.00%	3.22%	3.40%
Retail Transmission Rate – Line and Transformation Connection S	15,855	0.0046	72.93	15,855	0.0046	72.93	0.00	0.00%	2.65%	2.79%
Sub-Total: Retail Transmission			161.72			161.72	0.00	0.00%	5.87%	6.19%
Sub-Total: Delivery (based on two-tier RPP prices)			557.21			610.65	53.44	9.59%	22.15%	23.39%
Sub-Total: Delivery (based on TOU prices)			548.99			602.43	53.44	9.73%	21.86%	23.08%
Wholesale Market Service Rate	15,855	0.0036	57.08	15,855	0.0036	57.08	0.00	0.00%	2.07%	2.19%
Rural Rate Protection Charge	15,855	0.0021	33.30	15,855	0.0021	33.30	0.00	0.00%	1.21%	1.28%
Ontario Electricity Support Program Charge	15,855	0.0011	17.44	15,855	0.0011	17.44	0.00	0.00%	0.63%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			108.06			108.06	0.00	0.00%	3.92%	4.14%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.81%	4.02%
Total Electricity Charge on Two-Tier RPP			2,571.77			2,625.21	53.44	2.08%	95.24%	
HST		0.13	334.33		0.13	341.28	6.95	2.08%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			2,906.10			2,966.49	60.39	2.08%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-205.74		-0.08	-210.02	-4.28	2.08%	-7.62%	
Total Amount on Two-Tier RPP			2,700.36			2,756.47	56.11	2.08%	100.00%	
Total Electricity Charge on TOU (before HST)			2,432.90			2,486.34	53.44	2.20%		95.24%
HST		0.13	316.28		0.13	323.22	6.95	2.20%		12.38%
Total Electricity Charge on TOU (including HST)			2,749.18			2,809.57	60.39	2.20%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-194.63		-0.08	-198.91	-4.28	2.20%		-7.62%
Total Amount on TOU			2,554.55			2,610.66	56.11	2.20%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	AGSe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1066.7
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 65 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	36.06%	
Energy Second Tier (kWh)	250	0.121	30.25	250	0.121	30.25	0.00	0.00%	14.12%	
Sub-Total: Energy (RPP)			107.50			107.50	0.00	0.00%	50.18%	
TOU-Off Peak	650	0.087	56.55	650	0.087	56.55	0.00	0.00%		25.98%
TOU-Mid Peak	170	0.132	22.44	170	0.132	22.44	0.00	0.00%		10.31%
TOU-On Peak	180	0.180	32.40	180	0.180	32.40	0.00	0.00%		14.89%
Sub-Total: Energy (TOU)			111.39			111.39	0.00	0.00%	51.99%	51.18%
Service Charge	1	40.82	40.82	1	42.92	42.92	2.10	5.14%	20.03%	19.72%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0187	18.70	1,000	0.0199	19.90	1.20	6.42%	9.29%	9.14%
Volumetric Deferral/Variance Account Rider (including CBR Class	1,000	0	0.0000	1,000	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			59.52			62.82	3.30	5.54%	29.32%	28.86%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.37%	0.36%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.12	8.07	67	0.12	8.07	0.00	0.00%	3.77%	3.71%
Line Losses on Cost of Power (based on TOU prices)	67	0.11	7.43	67	0.11	7.43	0.00	0.00%	3.47%	3.41%
Sub-Total: Distribution (based on two-tier RPP prices)			68.38			71.68	3.30	4.83%	33.46%	32.93%
Sub-Total: Distribution (based on TOU prices)			67.74			71.04	3.30	4.87%	33.16%	32.64%
Retail Transmission Rate – Network Service Rate	1,067	0.0053	5.65	1,067	0.0053	5.65	0.00	0.00%	2.64%	2.60%
Retail Transmission Rate – Line and Transformation Connection S	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.19%	2.16%
Sub-Total: Retail Transmission			10.35			10.35	0.00	0.00%	4.83%	4.75%
Sub-Total: Delivery (based on two-tier RPP prices)			78.73			82.03	3.30	4.19%	38.29%	37.69%
Sub-Total: Delivery (based on TOU prices)			78.09			81.39	3.30	4.23%	37.99%	37.39%
Wholesale Market Service Rate	1,067	0.0036	3.84	1,067	0.0036	3.84	0.00	0.00%	1.79%	1.76%
Rural Rate Protection Charge	1,067	0.0021	2.24	1,067	0.0021	2.24	0.00	0.00%	1.05%	1.03%
Ontario Electricity Support Program Charge	1,067	0.0011	1.17	1,067	0.0011	1.17	0.00	0.00%	0.55%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.11%
Sub-Total: Regulatory			7.50			7.50	0.00	0.00%	3.50%	3.45%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.27%	3.22%
Total Electricity Charge on Two-Tier RPP			200.73			204.03	3.30	1.64%	95.24%	
HST		0.13	26.10		0.13	26.52	0.43	1.64%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			226.83			230.56	3.73	1.64%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.06		-0.08	-16.32	-0.26	1.64%	-7.62%	
Total Amount on Two-Tier RPP			210.77			214.23	3.47	1.64%	100.00%	
Total Electricity Charge on TOU (before HST)			203.98			207.28	3.30	1.62%		95.24%
HST		0.13	26.52		0.13	26.95	0.43	1.62%		12.38%
Total Electricity Charge on TOU (including HST)			230.50			234.23	3.73	1.62%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.32		-0.08	-16.58	-0.26	1.62%		-7.62%
Total Amount on TOU			214.18			217.64	3.47	1.62%		100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	AGSe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2133.4
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 66 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.48%	
Energy Second Tier (kWh)	1,250	0.121	151.25	1,250	0.121	151.25	0.00	0.00%	38.15%	
Sub-Total: Energy (RPP)			228.50			228.50	0.00	0.00%	57.63%	
TOU-Off Peak	1,300	0.087	113.10	1,300	0.087	113.10	0.00	0.00%		29.06%
TOU-Mid Peak	340	0.132	44.88	340	0.132	44.88	0.00	0.00%		11.53%
TOU-On Peak	360	0.180	64.80	360	0.180	64.80	0.00	0.00%		16.65%
Sub-Total: Energy (TOU)			222.78			222.78	0.00	0.00%	56.19%	57.25%
Service Charge	1	40.82	40.82	1	42.92	42.92	2.10	5.14%	10.83%	11.03%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0187	37.40	2,000	0.0199	39.80	2.40	6.42%	10.04%	10.23%
Volumetric Deferral/Variance Account Rider (including CBR Class	2,000	0	0.0000	2,000	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			78.22			82.72	4.50	5.75%	20.86%	21.26%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	133	0.12	16.14	133	0.12	16.14	0.00	0.00%	4.07%	4.15%
Line Losses on Cost of Power (based on TOU prices)	133	0.11	14.86	133	0.11	14.86	0.00	0.00%	3.75%	3.82%
Sub-Total: Distribution (based on two-tier RPP prices)			95.15			99.65	4.50	4.73%	25.13%	25.61%
Sub-Total: Distribution (based on TOU prices)			93.87			98.37	4.50	4.79%	24.81%	25.28%
Retail Transmission Rate – Network Service Rate	2,133	0.0053	11.31	2,133	0.0053	11.31	0.00	0.00%	2.85%	2.91%
Retail Transmission Rate – Line and Transformation Connection S	2,133	0.0044	9.39	2,133	0.0044	9.39	0.00	0.00%	2.37%	2.41%
Sub-Total: Retail Transmission			20.69			20.69	0.00	0.00%	5.22%	5.32%
Sub-Total: Delivery (based on two-tier RPP prices)			115.85			120.35	4.50	3.88%	30.35%	30.93%
Sub-Total: Delivery (based on TOU prices)			114.56			119.06	4.50	3.93%	30.03%	30.60%
Wholesale Market Service Rate	2,133	0.0036	7.68	2,133	0.0036	7.68	0.00	0.00%	1.94%	1.97%
Rural Rate Protection Charge	2,133	0.0021	4.48	2,133	0.0021	4.48	0.00	0.00%	1.13%	1.15%
Ontario Electricity Support Program Charge	2,133	0.0011	2.35	2,133	0.0011	2.35	0.00	0.00%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.76			14.76	0.00	0.00%	3.72%	3.79%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.53%	3.60%
Total Electricity Charge on Two-Tier RPP			373.10			377.60	4.50	1.21%	95.24%	
HST		0.13	48.50		0.13	49.09	0.59	1.21%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			421.61			426.69	5.08	1.21%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.85		-0.08	-30.21	-0.36	1.21%	-7.62%	
Total Amount on Two-Tier RPP			391.76			396.48	4.73	1.21%	100.00%	
Total Electricity Charge on TOU (before HST)			366.10			370.60	4.50	1.23%		95.24%
HST		0.13	47.59		0.13	48.18	0.58	1.23%		12.38%
Total Electricity Charge on TOU (including HST)			413.69			418.78	5.08	1.23%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.29		-0.08	-29.65	-0.36	1.23%		-7.62%
Total Amount on TOU			384.41			389.13	4.73	1.23%		100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	AGSe
Monthly Consumption (kWh)	1,988
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2121
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 67 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	19.59%	
Energy Second Tier (kWh)	1,238	0.121	149.80	1,238	0.121	149.80	0.00	0.00%	37.99%	
Sub-Total: Energy (RPP)			227.05			227.05	0.00	0.00%	57.58%	
TOU-Off Peak	1,292	0.087	112.42	1,292	0.087	112.42	0.00	0.00%		29.04%
TOU-Mid Peak	338	0.132	44.61	338	0.132	44.61	0.00	0.00%		11.53%
TOU-On Peak	358	0.180	64.41	358	0.180	64.41	0.00	0.00%		16.64%
Sub-Total: Energy (TOU)			221.44			221.44	0.00	0.00%	56.16%	57.21%
Service Charge	1	40.82	40.82	1	42.92	42.92	2.10	5.14%	10.89%	11.09%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	1,988	0.0187	37.18	1,988	0.0199	39.56	2.39	6.42%	10.03%	10.22%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,988	0	0.0000	1,988	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			78.00			82.48	4.49	5.75%	20.92%	21.31%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	133	0.12	16.04	133	0.12	16.04	0.00	0.00%	4.07%	4.15%
Line Losses on Cost of Power (based on TOU prices)	133	0.11	14.77	133	0.11	14.77	0.00	0.00%	3.75%	3.82%
Sub-Total: Distribution (based on two-tier RPP prices)			94.83			99.32	4.49	4.73%	25.19%	25.66%
Sub-Total: Distribution (based on TOU prices)			93.56			98.04	4.49	4.79%	24.86%	25.33%
Retail Transmission Rate – Network Service Rate	2,121	0.0053	11.24	2,121	0.0053	11.24	0.00	0.00%	2.85%	2.90%
Retail Transmission Rate – Line and Transformation Connection S	2,121	0.0044	9.33	2,121	0.0044	9.33	0.00	0.00%	2.37%	2.41%
Sub-Total: Retail Transmission			20.57			20.57	0.00	0.00%	5.22%	5.31%
Sub-Total: Delivery (based on two-tier RPP prices)			115.40			119.89	4.49	3.89%	30.40%	30.97%
Sub-Total: Delivery (based on TOU prices)			114.13			118.61	4.49	3.93%	30.08%	30.64%
Wholesale Market Service Rate	2,121	0.0036	7.63	2,121	0.0036	7.63	0.00	0.00%	1.94%	1.97%
Rural Rate Protection Charge	2,121	0.0021	4.45	2,121	0.0021	4.45	0.00	0.00%	1.13%	1.15%
Ontario Electricity Support Program Charge	2,121	0.0011	2.33	2,121	0.0011	2.33	0.00	0.00%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			14.67			14.67	0.00	0.00%	3.72%	3.79%
Debt Retirement Charge (DRC)	1,988	0.007	13.92	1,988	0.007	13.92	0.00	0.00%	3.53%	3.60%
Total Electricity Charge on Two-Tier RPP			371.03			375.52	4.49	1.21%	95.24%	
HST		0.13	48.23		0.13	48.82	0.58	1.21%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			419.27			424.34	5.07	1.21%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.68		-0.08	-30.04	-0.36	1.21%	-7.62%	
Total Amount on Two-Tier RPP			389.59			394.30	4.71	1.21%	100.00%	
Total Electricity Charge on TOU (before HST)			364.16			368.64	4.49	1.23%		95.24%
HST		0.13	47.34		0.13	47.92	0.58	1.23%		12.38%
Total Electricity Charge on TOU (including HST)			411.50			416.56	5.07	1.23%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.13		-0.08	-29.49	-0.36	1.23%		-7.62%
Total Amount on TOU			382.36			387.07	4.71	1.23%		100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	AGSe
Monthly Consumption (kWh)	15,000
Peak (kW)	0
Loss factor	1.0667
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16000.5
Charge determinant	kWh

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 68 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.103	77.25	750	0.103	77.25	0.00	0.00%	2.79%	
Energy Second Tier (kWh)	14,250	0.121	1,724.25	14,250	0.121	1,724.25	0.00	0.00%	62.34%	
Sub-Total: Energy (RPP)			1,801.50			1,801.50	0.00	0.00%	65.14%	
TOU-Off Peak	9,750	0.087	848.25	9,750	0.087	848.25	0.00	0.00%		32.40%
TOU-Mid Peak	2,550	0.132	336.60	2,550	0.132	336.60	0.00	0.00%		12.85%
TOU-On Peak	2,700	0.180	486.00	2,700	0.180	486.00	0.00	0.00%		18.56%
Sub-Total: Energy (TOU)			1,670.85			1,670.85	0.00	0.00%	60.41%	63.81%
Service Charge	1	40.82	40.82	1	42.92	42.92	2.10	5.14%	1.55%	1.64%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0187	280.50	15,000	0.0199	298.50	18.00	6.42%	10.79%	11.40%
Volumetric Deferral/Variance Account Rider (including CBR Class	15,000	0	0.0000	15,000	0	0.0000	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			321.32			341.42	20.10	6.26%	12.34%	13.04%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,001	0.12	121.06	1,001	0.12	121.06	0.00	0.00%	4.38%	4.62%
Line Losses on Cost of Power (based on TOU prices)	1,001	0.11	111.45	1,001	0.11	111.45	0.00	0.00%	4.03%	4.26%
Sub-Total: Distribution (based on two-tier RPP prices)			443.17			463.27	20.10	4.54%	16.75%	17.69%
Sub-Total: Distribution (based on TOU prices)			433.56			453.66	20.10	4.64%	16.40%	17.33%
Retail Transmission Rate – Network Service Rate	16,001	0.0053	84.80	16,001	0.0053	84.80	0.00	0.00%	3.07%	3.24%
Retail Transmission Rate – Line and Transformation Connection S	16,001	0.0044	70.40	16,001	0.0044	70.40	0.00	0.00%	2.55%	2.69%
Sub-Total: Retail Transmission			155.20			155.20	0.00	0.00%	5.61%	5.93%
Sub-Total: Delivery (based on two-tier RPP prices)			598.38			618.48	20.10	3.36%	22.36%	23.62%
Sub-Total: Delivery (based on TOU prices)			588.76			608.86	20.10	3.41%	22.01%	23.25%
Wholesale Market Service Rate	16,001	0.0036	57.60	16,001	0.0036	57.60	0.00	0.00%	2.08%	2.20%
Rural Rate Protection Charge	16,001	0.0021	33.60	16,001	0.0021	33.60	0.00	0.00%	1.21%	1.28%
Ontario Electricity Support Program Charge	16,001	0.0011	17.60	16,001	0.0011	17.60	0.00	0.00%	0.64%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			109.05			109.05	0.00	0.00%	3.94%	4.16%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.80%	4.01%
Total Electricity Charge on Two-Tier RPP			2,613.93			2,634.03	20.10	0.77%	95.24%	
HST		0.13	339.81		0.13	342.42	2.61	0.77%	12.38%	
Total Electricity Charge on Two-Tier RPP (including HST)			2,953.74			2,976.45	22.71	0.77%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-209.11		-0.08	-210.72	-1.61	0.77%	-7.62%	
Total Amount on Two-Tier RPP			2,744.63			2,765.73	21.11	0.77%	100.00%	
Total Electricity Charge on TOU (before HST)			2,473.66			2,493.76	20.10	0.81%		95.24%
HST		0.13	321.58		0.13	324.19	2.61	0.81%		12.38%
Total Electricity Charge on TOU (including HST)			2,795.24			2,817.95	22.71	0.81%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-197.89		-0.08	-199.50	-1.61	0.81%		-7.62%
Total Amount on TOU			2,597.35			2,618.45	21.11	0.81%		100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	AUGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.047
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,698
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 69 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,698	0.103	1,616.84	15,698	0.103	1,616.84	0.00	0.00%	54.50%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,616.84			1,616.84	0.00	0.00%	54.50%
Service Charge	1	209.83	209.83	1	282.77	282.77	72.94	34.76%	9.53%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	3.86	231.60	60	5.1984	311.90	80.30	34.67%	10.51%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0	0.00	60	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	15,698	0.0000	0.00	15,698	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			441.43			594.67	153.24	34.72%	20.04%
Retail Transmission Rate – Network Service Rate	60	1.8612	111.67	60	1.8612	111.67	0.00	0.00%	3.76%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.5062	90.37	60	1.5062	90.37	0.00	0.00%	3.05%
Sub-Total: Retail Transmission			202.04			202.04	0.00	0.00%	6.81%
Sub-Total: Delivery			643.47			796.72	153.24	23.82%	26.85%
Wholesale Market Service Rate	15,698	0.0036	56.51	15,698	0.0036	56.51	0.00	0.00%	1.90%
Rural Rate Protection Charge	15,698	0.0021	32.96	15,698	0.0021	32.96	0.00	0.00%	1.11%
Ontario Electricity Support Program Charge	15,698	0.0011	17.27	15,698	0.0011	17.27	0.00	0.00%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			106.99			106.99	0.00	0.00%	3.61%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.54%
Total Electricity Charge on Two-Tier RPP (before HST)			2,472.31			2,625.55	153.24	6.20%	88.50%
HST		0.13	321.40		0.13	341.32	19.92	6.20%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,793.71			2,966.88	173.17	6.20%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,793.71			2,966.88	173.17	6.20%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	AUGd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.047
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	36,628
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 70 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,628	0.103	3,772.63	36,628	0.103	3,772.63	0.00	0.00%	59.86%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,772.63			3,772.63	0.00	0.00%	59.86%
Service Charge	1	209.83	209.83	1	282.77	282.77	72.94	34.76%	4.49%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	120	3.86	463.20	120	5.1984	623.81	160.61	34.67%	9.90%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	120	0	0.00	120	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	36,628	0.0000	0.00	36,628	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			673.03			906.58	233.55	34.70%	14.38%
Retail Transmission Rate – Network Service Rate	120	1.8612	223.34	120	1.8612	223.34	0.00	0.00%	3.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.5062	180.74	120	1.5062	180.74	0.00	0.00%	2.87%
Sub-Total: Retail Transmission			404.09			404.09	0.00	0.00%	6.41%
Sub-Total: Delivery			1,077.12			1,310.67	233.55	21.68%	20.80%
Wholesale Market Service Rate	36,628	0.0036	131.86	36,628	0.0036	131.86	0.00	0.00%	2.09%
Rural Rate Protection Charge	36,628	0.0021	76.92	36,628	0.0021	76.92	0.00	0.00%	1.22%
Ontario Electricity Support Program Charge	36,628	0.0011	40.29	36,628	0.0011	40.29	0.00	0.00%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			249.32			249.32	0.00	0.00%	3.96%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.89%
Total Electricity Charge on Two-Tier RPP (before HST)			5,344.07			5,577.62	233.55	4.37%	88.50%
HST		0.13	694.73		0.13	725.09	30.36	4.37%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			6,038.80			6,302.71	263.91	4.37%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			6,038.80			6,302.71	263.91	4.37%	100.00%

2022 Bill Impacts (Average Consumption Level)

Rate Class	AUGd
Monthly Consumption (kWh)	61,239
Peak (kW)	177
Loss factor	1.047
Load factor	47%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	64,087
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 71 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	64,087	0.103	6,600.92	64,087	0.103	6,600.92	0.00	0.00%	63.05%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			6,600.92			6,600.92	0.00	0.00%	63.05%
Service Charge	1	209.83	209.83	1	282.77	282.77	72.94	34.76%	2.70%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	177	3.86	683.22	177	5.1984	920.12	236.90	34.67%	8.79%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	177	0	0.00	177	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	64,087	0.0000	0.00	64,087	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			893.05			1,202.89	309.84	34.69%	11.49%
Retail Transmission Rate – Network Service Rate	177	1.8612	329.43	177	1.8612	329.43	0.00	0.00%	3.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	177	1.5062	266.60	177	1.5062	266.60	0.00	0.00%	2.55%
Sub-Total: Retail Transmission			596.03			596.03	0.00	0.00%	5.69%
Sub-Total: Delivery			1,489.08			1,798.92	309.84	20.81%	17.18%
Wholesale Market Service Rate	64,087	0.0036	230.71	64,087	0.0036	230.71	0.00	0.00%	2.20%
Rural Rate Protection Charge	64,087	0.0021	134.58	64,087	0.0021	134.58	0.00	0.00%	1.29%
Ontario Electricity Support Program Charge	64,087	0.0011	70.50	64,087	0.0011	70.50	0.00	0.00%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			436.04			436.04	0.00	0.00%	4.17%
Debt Retirement Charge (DRC)	61,239	0.007	428.67	61,239	0.007	428.67	0.00	0.00%	4.09%
Total Electricity Charge on Two-Tier RPP (before HST)			8,954.71			9,264.55	309.84	3.46%	88.50%
HST		0.13	1,164.11		0.13	1,204.39	40.28	3.46%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			10,118.83			10,468.94	350.12	3.46%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			10,118.83			10,468.94	350.12	3.46%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	AUGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.047
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,138
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 72 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,138	0.103	18,863.16	183,138	0.103	18,863.16	0.00	0.00%	71.64%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18,863.16			18,863.16	0.00	0.00%	71.64%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Volumetric Smoothing Rider	500	0	0.00	500	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	183,138	0.0000	0.00	183,138	0.0000	0.00	0.00	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0	0.00	500	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			209.83			282.77	72.94	34.76%	1.07%
Retail Transmission Rate – Network Service Rate	500	1.8612	930.60	500	1.8612	930.60	0.00	0.00%	3.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.5062	753.10	500	1.5062	753.10	0.00	0.00%	2.86%
Sub-Total: Retail Transmission			1,683.70			1,683.70	0.00	0.00%	6.39%
Sub-Total: Delivery			1,893.53			1,966.47	72.94	3.85%	7.47%
Wholesale Market Service Rate	183,138	0.0036	659.30	183,138	0.0036	659.30	0.00	0.00%	2.50%
Rural Rate Protection Charge	183,138	0.0021	384.59	183,138	0.0021	384.59	0.00	0.00%	1.46%
Ontario Electricity Support Program Charge	183,138	0.0011	201.45	183,138	0.0011	201.45	0.00	0.00%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,245.59			1,245.59	0.00	0.00%	4.73%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.65%
Total Electricity Charge on Two-Tier RPP (before HST)			23,227.28			23,300.22	72.94	0.31%	88.50%
HST		0.13	3,019.55		0.13	3,029.03	9.48	0.31%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			26,246.82			26,329.25	82.42	0.31%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			26,246.82			26,329.25	82.42	0.31%	100.00%

2022 Bill Impacts (Low Consumption Level)

Rate Class	AGSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.056
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,845
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 73 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,845	0.103	1,631.98	15,845	0.103	1,631.98	0.00	0.00%	53.93%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,631.98			1,631.98	0.00	0.00%	53.93%
Service Charge	1	208.51	208.51	1	252.3	252.30	43.79	21.00%	8.34%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	60	5.14	308.40	60	6.3239	379.43	71.03	23.03%	12.54%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0	0.00	60	0.0000	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	15,845	0.0000	0.00	15,845	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			516.91			631.73	114.82	22.21%	20.87%
Retail Transmission Rate – Network Service Rate	60	1.8483	110.90	60	1.8483	110.90	0.00	0.00%	3.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.5101	90.61	60	1.5101	90.61	0.00	0.00%	2.99%
Sub-Total: Retail Transmission			201.50			201.50	0.00	0.00%	6.66%
Sub-Total: Delivery			718.41			833.24	114.82	15.98%	27.53%
Wholesale Market Service Rate	15,845	0.0036	57.04	15,845	0.0036	57.04	0.00	0.00%	1.88%
Rural Rate Protection Charge	15,845	0.0021	33.27	15,845	0.0021	33.27	0.00	0.00%	1.10%
Ontario Electricity Support Program Charge	15,845	0.0011	17.43	15,845	0.0011	17.43	0.00	0.00%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			107.99			107.99	0.00	0.00%	3.57%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.47%
Total Electricity Charge on Two-Tier RPP (before HST)			2,563.39			2,678.21	114.82	4.48%	88.50%
HST		0.13	333.24		0.13	348.17	14.93	4.48%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			2,896.63			3,026.38	129.75	4.48%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			2,896.63			3,026.38	129.75	4.48%	100.00%

2022 Bill Impacts (Typical Consumption Level)

Rate Class	AGSd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.056
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	36,971
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 74 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,971	0.103	3,807.96	36,971	0.103	3,807.96	0.00	0.00%	58.93%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,807.96			3,807.96	0.00	0.00%	58.93%
Service Charge	1	208.51	208.51	1	252.3	252.30	43.79	21.00%	3.90%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	120	5.14	616.80	120	6.3239	758.87	142.07	23.03%	11.74%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	120	0	0.00	120	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	36,971	0.0000	0.00	36,971	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			825.31			1,011.17	185.86	22.52%	15.65%
Retail Transmission Rate – Network Service Rate	120	1.8483	221.80	120	1.8483	221.80	0.00	0.00%	3.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.5101	181.21	120	1.5101	181.21	0.00	0.00%	2.80%
Sub-Total: Retail Transmission			403.01			403.01	0.00	0.00%	6.24%
Sub-Total: Delivery			1,228.32			1,414.18	185.86	15.13%	21.88%
Wholesale Market Service Rate	36,971	0.0036	133.09	36,971	0.0036	133.09	0.00	0.00%	2.06%
Rural Rate Protection Charge	36,971	0.0021	77.64	36,971	0.0021	77.64	0.00	0.00%	1.20%
Ontario Electricity Support Program Charge	36,971	0.0011	40.67	36,971	0.0011	40.67	0.00	0.00%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			251.65			251.65	0.00	0.00%	3.89%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.79%
Total Electricity Charge on Two-Tier RPP (before HST)			5,532.93			5,718.79	185.86	3.36%	88.50%
HST		0.13	719.28		0.13	743.44	24.16	3.36%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			6,252.21			6,462.23	210.02	3.36%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			6,252.21			6,462.23	210.02	3.36%	100.00%

2022 Bill Impacts (Average Consumption Level)

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 75 of 76

Rate Class	AGSd
Monthly Consumption (kWh)	53,895
Peak (kW)	152
Loss factor	1.056
Load factor	49%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	56,929
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	56,929	0.103	5,863.72	56,929	0.103	5,863.72	0.00	0.00%	62.13%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			5,863.72			5,863.72	0.00	0.00%	62.13%
Service Charge	1	208.51	208.51	1	252.3	252.30	43.79	21.00%	2.67%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate	152	5.14	781.28	152	6.3239	961.23	179.95	23.03%	10.18%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	152	0	0.00	152	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	56,929	0.0000	0.00	56,929	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			989.79			1,213.53	223.74	22.61%	12.86%
Retail Transmission Rate – Network Service Rate	152	1.8483	280.94	152	1.8483	280.94	0.00	0.00%	2.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	152	1.5101	229.54	152	1.5101	229.54	0.00	0.00%	2.43%
Sub-Total: Retail Transmission			510.48			510.48	0.00	0.00%	5.41%
Sub-Total: Delivery			1,500.27			1,724.01	223.74	14.91%	18.27%
Wholesale Market Service Rate	56,929	0.0036	204.95	56,929	0.0036	204.95	0.00	0.00%	2.17%
Rural Rate Protection Charge	56,929	0.0021	119.55	56,929	0.0021	119.55	0.00	0.00%	1.27%
Ontario Electricity Support Program Charge	56,929	0.0011	62.62	56,929	0.0011	62.62	0.00	0.00%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			387.37			387.37	0.00	0.00%	4.10%
Debt Retirement Charge (DRC)	53,895	0.007	377.27	53,895	0.007	377.27	0.00	0.00%	4.00%
Total Electricity Charge on Two-Tier RPP (before HST)			8,128.62			8,352.36	223.74	2.75%	88.50%
HST		0.13	1,056.72		0.13	1,085.81	29.09	2.75%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			9,185.34			9,438.17	252.83	2.75%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			9,185.34			9,438.17	252.83	2.75%	100.00%

2022 Bill Impacts (High Consumption Level)

Rate Class	AGSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.056
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	184,853
Charge determinant	kW

Filed: 2017-03-31
EB-2017-0049
Exhibit H1-4-1
Attachment 5
Page 76 of 76

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	184,853	0.103	19,039.81	184,853	0.103	19,039.81	0.00	0.00%	71.84%
Energy Second Tier (kWh)	0	0.121	0.00	0	0.121	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,039.81			19,039.81	0.00	0.00%	71.84%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0	0.00	500	0	0.00	0.00	0.00%	0.00%
Volumetric Global Adjustment Account Rider	184,853	0.0000	0.00	184,853	0.0000	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution			208.51			252.30	43.79	21.00%	0.95%
Retail Transmission Rate – Network Service Rate	500	1.8483	924.15	500	1.8483	924.15	0.00	0.00%	3.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.5101	755.05	500	1.5101	755.05	0.00	0.00%	2.85%
Sub-Total: Retail Transmission			1,679.20			1,679.20	0.00	0.00%	6.34%
Sub-Total: Delivery			1,887.71			1,931.50	43.79	2.32%	7.29%
Wholesale Market Service Rate	184,853	0.0036	665.47	184,853	0.0036	665.47	0.00	0.00%	2.51%
Rural Rate Protection Charge	184,853	0.0021	388.19	184,853	0.0021	388.19	0.00	0.00%	1.46%
Ontario Electricity Support Program Charge	184,853	0.0011	203.34	184,853	0.0011	203.34	0.00	0.00%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,257.25			1,257.25	0.00	0.00%	4.74%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.62%
Total Electricity Charge on Two-Tier RPP (before HST)			23,409.76			23,453.55	43.79	0.19%	88.50%
HST		0.13	3,043.27		0.13	3,048.96	5.69	0.19%	11.50%
Total Electricity Charge on Two-Tier RPP (including HST)			26,453.03			26,502.52	49.48	0.19%	100.00%
Rebate equal to Ontario portion of HST (8%)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Amount on Two-Tier RPP			26,453.03			26,502.52	49.48	0.19%	100.00%

LOSS FACTORS

1. INTRODUCTION

The Total Loss Factors (“TLF”) are used to uplift, or adjust, the customers’ Commodity, Retail Transmission Service Rate, Wholesale Market Service, and Rural Rate Protection charges to the wholesale level at which Hydro One settles these charges with the IESO. Debt Retirement and Distribution charges are not subject to loss adjustments.

For energy-billed customers, Board guidelines dictate that loss adjustments be applied to metered or estimated energy billing quantities. For demand-billed customers, loss adjustments are applied to the corresponding demand-billed tariffs and the billed quantities used are the metered quantities.

Hydro One proposes to continue to use the TLFs approved by the Board in EB-2013-0416 for all existing Hydro One rate classes for the 2018 to 2022 Custom IR period. For the six new acquired rate classes, Hydro One proposes new TLFs post harmonization in 2021 and 2022. All proposed and current TLFs are listed in Table 1 and Table 2 below.

2. TOTAL LOSS FACTORS FOR THE NEW ACQUIRED RATE CLASSES

Hydro One proposes new TLFs for the six new acquired rate classes. Table 1 shows the proposed TLFs by rate class for the period 2021 to 2022.

The Acquired Utilities (Woodstock Hydro, Norfolk Power and Haldimand County Hydro) were integrated into the Hydro One distribution system in 2015 and 2016 and they now share the same bulk (sub-transmission or ST) assets that deliver electricity to all customers in other existing Hydro One rate classes. As such, Hydro One proposes that

Witness: Henry Andre

1 these six acquired rate classes share the same “bulk loss” as other existing Hydro One
2 rate classes starting 2021. The current “bulk” loss factor for Hydro One existing customer
3 classes is 3.4%.

4
5 After “bulk” assets, “local” distribution assets are used to deliver electricity to customers
6 from these acquired utilities. Hydro One proposes no change to the existing loss factors
7 for these “local” assets because: (i) most of these assets will continue to deliver electricity
8 solely to the acquired customers; and (ii) there has not been any significant change with
9 these local assets.

10
11 Urban Acquired Classes (AUR, AUGe, AUGd)

12 The proposed new TLFs were derived by replacing the existing Woodstock Hydro
13 estimated “bulk loss” by the Hydro One “bulk loss”. Other components of the TLFs are
14 unchanged from the current Board-approved Woodstock Hydro TLFs.

15
16 Mixed Density Acquired Classes (AR, AGSe, AGSd)

17 These new rate classes are comprised of customers from former Norfolk Power and
18 Haldimand County Hydro, which each had different existing Board-approved TLFs. As
19 such, Hydro One proposes to use a “kWh weighted average” approach to estimate an
20 average TLF for these new classes.

21
22 Each individual utility’s TLFs were revised by replacing the existing utility’s estimated
23 “bulk loss” with the Hydro One “bulk loss”. The final TLF for the new classes was then
24 determined by applying the “weighted average” approach to the revised TLFs for each
25 individual distributor.

1 **3. TOTAL LOSS FACTORS FOR THE EXISTING HYDRO ONE RATE**
2 **CLASSES**

3
4 Hydro One proposes to continue to use the TLFs approved by the Board (as per EB-
5 2013-0416) for all existing Hydro One rate classes for the 2018 to 2022 Custom IR
6 period. Hydro One's existing TLFs are based on the results of a line loss study that was
7 submitted in EB-2013-0416. Given the short period of time that has elapsed since the
8 completion of that study and also given the consistent average historical Hydro One total
9 loss factor, as discussed in Section 6 of this Exhibit, Hydro One did not expect a material
10 change to the existing loss factors and, as such, did not seek an updated study in
11 preparation for the filing of this Application.

12
13 As discussed in Exhibit G1, Tab 2, Schedule 1, Hydro One proposes that customers from
14 the Acquired Utilities in the Unmetered Scattered Load Service Class, Street Lighting
15 Service Class, Sentinel Lighting Service Class, General Service Class and, those that
16 meet the Hydro One Sub-Transmission Class requirements be merged into the
17 corresponding Hydro One rate classes in 2021. The number of customers and load of
18 these new additions are small as compared to the number of customers and load of the
19 existing Hydro One rate classes. As such, it is expected that these acquired customers
20 will not materially impact the existing TLFs and therefore no change is proposed.

21

Witness: Henry Andre

Table 1: Loss Factors

Customer Class	DLF %	TLF%	DLF %	TLF%
	Proposed (2018 to 2022, same as current Board Approved)		Current Board Approved	
R1	7.0	7.6	7.0	7.6
R2	9.9	10.5	9.9	10.5
UR	5.1	5.7	5.1	5.7
Seasonal	9.8	10.4	9.8	10.4
GSe	9.0	9.6	9.0	9.6
GSd	5.5	6.1	5.5	6.1
UGe	6.1	6.7	6.1	6.7
UGd	4.4	5.0	4.4	5.0
ST	0* or 2.8	0.6* or 3.4	0* or 2.8	0.6* or 3.4
Street Lights	8.6	9.2	8.6	9.2
Sentinel Lights	8.6	9.2	8.6	9.2
USL	8.6	9.2	8.6	9.2
DGen	5.5	6.1	5.5	6.1
	Proposed (2021 to 2022)		Current Board Approved	
AUR	5.1	5.7	N/A	N/A
AUGe	5.1	5.7	N/A	N/A
AUGd	4.1	4.7	N/A	N/A
AR	6.1	6.7	N/A	N/A
AGSe	6.1	6.7	N/A	N/A
AGSd	5.0	5.6	N/A	N/A

*Express feeder

Supply Facility Loss Factor ("SFLF") = 0.6%

Distribution Loss Factor ("DLF") + SFLF = Total Loss Factor ("TLF")

NOTE: Starting 2021, the proposed treatment for the different loss factors listed for primary metered and secondary metered customers in the acquired utilities' currently approved tariff schedules is reflected in the application of transformer loss allowance, which is discussed in Section 5.

Witness: Henry Andre

Table 2: Acquired Utilities' Current Board-Approved Loss Factors

Norfolk Power	DLF %	TLF%
Res	5.0	5.6
GS < 50 kW	5.0	5.6
GS > 50 kW	5.0	5.6
Street Lights	5.0	5.6
Sentinel Lights	5.0	5.6
USL	5.0	5.6
Haldimand County Hydro	DLF %	TLF%
Res	6.0	6.6
GS < 50 kW	6.0	6.6
GS > 50 kW	6.0	6.6
Street Lights	6.0	6.6
Sentinel Lights	6.0	6.6
USL	6.0	6.6
Woodstock Hydro	DLF %	TLF%
Res	3.7	4.3
GS < 50 kW	3.7	4.3
GS 50 to 999 kW	3.7	4.3
GS > 1,000 kW	3.7	4.3
Street Lights	3.7	4.3
USL	3.7	4.3

Supply Facility Loss Factor ("SFLF") = 0.6%

Distribution Loss Factor ("DLF") + SFLF = Total Loss Factor ("TLF")

NOTE: TLFs are shown for Secondary Metered Customers < 5,000 kW. For details regarding applicable losses for Primary Metered Customers and Secondary Metered Customers > 5,000 kWh, please see the current tariff schedules approved by the OEB in EB-2016-0082.

4. SUPPLY FACILITY LOSS FACTOR

As approved under Hydro One's previous rate applications (EB-2013-0416 and EB-2009-0096), Hydro One proposes that in situations in which a customer's metering is at the supplying Transmission Station ("TS") or High-Voltage Distribution Station ("HVDS"), either inside the fence or immediately outside the fence, that only the losses associated with the transformation at the station be applied (i.e. the approved Supply Facility Loss

Witness: Henry Andre

Factor). For situations in which a feeder delivers to solely one supply point (i.e. express feeders¹), and the metering is located away from the supplying station, applicable losses should be calculated based on engineering studies provided by the customer. Hydro One will add non-technical losses to the calculated technical losses, consistent with the non-technical losses inherent in the existing Distribution Loss Factors.

There are situations in which there is no metering at the customer supply point, and quantities are calculated by taking the differences between other metering (for example, feeder total minus the only other customer on the feeder). As previously approved under EB-2013-0416 and EB-2009-0096, in such situations losses are applied to the meter quantities separately, prior to calculating the differences, in order to avoid the potential double-counting of feeder losses that could occur if the Distribution Loss Factors was applied to the difference in metering quantities.

5. TRANSFORMER LOSS ALLOWANCE

A transformer loss allowance is applicable to non-ST customers that are metered on the primary side of a transformer. The following uniform values shall be applied to reduce measured demand and energy to adjust for transformer losses for voltages up to and including 50 kV (as metered on the primary side):

- a) 1.5% for transformer installations up to an individual bank capacity of 400 kVA; and
- b) 1.0% for bank capacities over 400 kVA.

¹ Feeder used by only one customer

1 A transformer loss allowance is applicable to ST customers that are metered on the
2 secondary side of a transformer. The following uniform value shall be applied to
3 increase measured demand and energy (as metered on the secondary side) to adjust for
4 transformer losses:

5
6 a) 1.0%

7
8 Alternatively, transformer losses may be determined from transformer test data, and
9 measured demand and energy adjusted accordingly.

10
11 **6. HISTORICAL LOSS FACTORS**

12
13 As required by Appendix 2-R of the Filing Requirements, Appendix 1 to this Exhibit
14 provides Hydro One's overall historical loss data for 2012 to 2016. The calculated 5-year
15 average historical loss factor of 8.3% is consistent with the average loss factor across all
16 Hydro One rate classes based on the currently approved loss factors for each rate class.

1

Appendix 1

Appendix 2-R Loss Factors

		Historical Years					5-Year Average
		2012	2013	2014	2015	2016	
	Losses Within Distributor's System						
A(1)	"Wholesale" kWh delivered to distributor (higher value)	22,890,429,091	22,806,492,445	21,974,163,833	20,400,925,934	18,305,442,849	21,275,490,830
A(2)	"Wholesale" kWh delivered to distributor (lower value)	25,051,498,409	25,729,629,909	25,786,233,670	25,387,400,976	25,016,328,881	25,394,218,369
B	Portion of "Wholesale" kWh delivered to distributor for its Large Use Customer(s)	5,227,127,893	4,994,576,266	5,222,354,008	5,112,496,184	5,212,527,082	5,153,816,286
C	Net "Wholesale" kWh delivered to distributor = A(2) - B	19,824,370,516	20,735,053,643	20,563,879,663	20,274,904,792	19,803,801,799	20,240,402,083
D	"Retail" kWh delivered by distributor	23,897,414,445	23,642,334,049	23,801,736,455	23,746,974,037	23,400,160,662	23,697,723,930
E	Portion of "Retail" kWh delivered by distributor to its Large Use Customer(s)	5,077,998,035	4,852,081,101	5,073,360,349	4,966,636,767	5,063,813,785	5,006,778,007
F	Net "Retail" kWh delivered by distributor = D - E	18,819,416,410	18,790,252,948	18,728,376,106	18,780,337,270	18,336,346,876	18,690,945,922
G	Loss Factor in Distributor's system = C / F	1.0534	1.1035	1.0980	1.0796	1.0800	1.0829
Losses Upstream of Distributor's System							
H	Supply Facilities Loss Factor	1.0250	1.0250	1.0250	1.0250	1.0250	1.0250
Total Losses							
I	Total Loss Factor = G x H	1.0797	1.1311	1.1255	1.1066	1.1070	1.1100

Notes:

- A(1)** If directly connected to the IESO-controlled grid, kWh pertains to the virtual meter on the primary or high voltage side of the transformer at the interface with the transmission grid. This corresponds to the "With Losses" kWh value provided by the IESO's MV-WEB. It is the higher of the two values provided by MV-WEB.
- If fully embedded within a host distributor, kWh pertains to the virtual meter on the primary or high voltage side of the transformer, at the interface between the host distributor and the transmission grid. For example, if the host distributor is Hydro One Networks Inc., kWh from the Hydro One Networks' invoice corresponding to "Total kWh w Losses" should be reported. This corresponds to the higher of the two kWh values provided in Hydro One Networks' invoice.
- If partially embedded, kWh pertains to the sum of the above.
- A(2)** If directly connected to the IESO-controlled grid, kWh pertains to a metering installation on the secondary or low voltage side of the transformer at the interface with the transmission grid. This corresponds to the "Without Losses" kWh value provided by the IESO's MV-WEB. It is the lower of the two kWh values provided by MV-WEB.
- If fully embedded with the host distributor, kWh pertains to a metering installation on the secondary or low voltage side of the transformer at the interface between the embedded distributor and the host distributor. For example, if the host distributor is Hydro One Networks Inc., kWh from the Hydro One Networks' invoice corresponding to "Total kWh" should be reported. This corresponds to the lower of the two kWh values provided in Hydro One Networks' invoice.
- If partially embedded, kWh pertains to the sum of the above.
- Additionally, kWh pertaining to distributed generation directly connected to the distributor's own distribution network should be included in **A(2)**.
- B** If a Large Use Customer is metered on the secondary or low voltage side of the transformer, the default loss is 1% (i.e., $B = 1.01 \times E$).
- D** kWh corresponding to D should equal metered or estimated kWh at the customer's delivery point.
- G and I** These loss factors pertain to secondary-metered customers with demand less than 5,000 kW.
- H** If directly connected to the IESO-controlled grid, SFLF = 1.0045.
- If fully embedded within a host distributor, SFLF = loss factor re losses in transformer at grid interface X loss factor re losses in host distributor's system. If the host distributor is Hydro One Networks Inc., $SFLF = 1.0060 \times 1.0278 = 1.0340$. If partially embedded, SFLF should be calculated as the weighted average of above.
- Distributors that wish to propose a different SFLF should provide appropriate justification for any such proposal including supporting calculations and any other relevant material.

2

Witness: Henry Andre