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EB-2020-0246  
Exhibit I-7-15  
Attachment 3  
Page 1 of 233

BY COURIER

July 19, 2019

Ms. Kirsten Walli  
Board Secretary  
Ontario Energy Board  
Suite 2700, 2300 Yonge Street  
P.O. Box 2319  
Toronto, ON  
M4P 1E4

Dear Ms. Walli,

**Re: EB-2016-0315 – Implementation of the Ontario Energy Board Decision to Eliminate the Seasonal Rate Seasonal Class – Updated Seasonal Report**

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In its March 12, 2015 Decision in the Hydro One Networks Inc (“Hydro One”) Distribution Rates Application (EB-2013-0146), the Ontario Energy Board (“OEB”) determined that Hydro One’s Seasonal Class should be eliminated and seasonal customers be reclassified to the year-round residential classes. Hydro One prepared a report on the elimination of the Seasonal Class that was filed with the OEB on August 4, 2015 (“the 2015 Seasonal Report”).

In September 2015 the OEB directed Hydro One to implement the move towards all-fixed distribution rates for the Seasonal Class customers, as well as all other residential customers, starting in 2016. The Board indicated that this change constituted the initial step to eliminating the Seasonal Class and that a further proceeding would be initiated to consider the remaining steps.

On November 10, 2016 the OEB initiated a new proceeding (EB-2016-0315) to consider the remaining steps for the elimination of the Seasonal Class. As requested by the OEB, an update to the 2015 Seasonal Report was filed on December 1, 2016 “the 2016 Seasonal Report”.

On September 20, 2018, the OEB issued a letter informing parties that the OEB intended to resume proceeding EB-2016-0315 at the conclusion of Hydro One’s 2018-2022 distribution rates proceeding. The OEB stated that it expected Hydro One to file an update to the 2016 Seasonal Report to reflect the new distribution rates approved in the 2018-2022 proceeding. The letter also indicated that Hydro One could propose a revised approach to the elimination of the Seasonal Class as part of the updated report.



On April 17, 2019 the OEB issued procedural Order #2 in this proceeding providing direction on the timing and contents of the updated report.

The attached report reflects Hydro One's best efforts to capture the updates requested by the OEB. The report also includes Hydro One's recommended alternate approach to eliminating the Seasonal Class, which avoids the significant negative impacts on a large number of seasonal customers while addressing the concerns that drove the OEB's March 2015 Decision to eliminate the Seasonal Class.

Due to the customer-specific nature of the information likely to be required in the Notices issued to seasonal customers in this proceeding, Hydro One confirms that it will need 30 business days to develop and issue the Notice once finalized by the OEB.

Sincerely,

ORIGINAL SIGNED BY HENRY ANDRE

Henry Andre

# Hydro One Report on Elimination of the Seasonal Class

EB-2013-0416

July 19, 2019 Update

EB-2016-0315

## Table of Contents

1	INTRODUCTION AND SUMMARY OF REPORT .....	2
2	STAKEHOLDERING .....	7
3	BACKGROUND ON THE SEASONAL CLASS .....	8
4	ELIMINATION OF THE SEASONAL CLASS.....	10
4.1	Cost Allocation and Rate Design Impacts.....	10
4.2	Consideration of the Move to All-Fixed Distribution Rates .....	16
4.3	Mitigation of Bill Impacts .....	19
4.3.1	Option 1: Use a Credit-based Approach to Mitigate Impacts.....	20
4.3.2	Option 2A: Phase-In Rates to Keep Total Bill Impacts Less Than 10% .....	24
4.3.3	Option 2B: Phase-In of Rates Over 8 Years .....	25
4.3.4	Impact Mitigation Recommendation .....	26
5	ALTERNATE APPROACH TO ELIMINATION OF THE SEASONAL CLASS	28
5.1	Issues for Consideration by the Board.....	28
5.2	Alternate Approach.....	29
6	RRRP and DRP ELIGIBILITY .....	33
7	METER READING AND BILLING OF SEASONAL CUSTOMERS .....	36
7.1	Background.....	36
7.1.1	Meter reading.....	36
7.1.2	Billing .....	37
7.2	Billing and Meter Reading Options.....	38
7.2.1	Option A: Maintain Existing Frequencies Upon Customer Reclassification .....	38
7.2.2	Option B: Adopt Residential Billing and Meter Reading Frequencies.....	39
7.2.3	Option C: Adopt Usage-Based Billing and Meter Reading Frequencies .....	39
7.2.4	Option D: Maintain Seasonal Class Meter Reading and Billing Frequencies .....	43
7.3	Summary of Billing and Meter Reading Frequency Options and Recommendation	44
8	CONDITIONS OF SERVICE CONSIDERATIONS .....	47
9	IMPLEMENTATION.....	48

## 1 INTRODUCTION AND SUMMARY OF REPORT

The Ontario Energy Board (the “OEB” or “Board”) March 12, 2015 Decision on Hydro One’s distribution rates proceeding EB-2013-0416 directed Hydro One to bring forward a plan for the elimination of the Seasonal Class.<sup>1</sup> The Board indicated that the plan should propose mitigation for those customers expected to experience a total bill impact of greater than 10% as a result of migrating to another class. Hydro One was also asked to look at the issues of billing and meter reading frequency for seasonal customers as part of the plan.

Hydro One submitted a report to the Board on August 4, 2015 (“the 2015 Seasonal Report”). The Board issued an order on September 30, 2015 that directed Hydro One to implement the move towards all-fixed distribution rates for the Seasonal Class customers, as well as all other residential customers, starting in 2016. The Board indicated that this change constituted the initial step to eliminating the Seasonal Class and that a further proceeding would be initiated to consider the remaining steps.

On November 10, 2016 the Board issued Procedural Order No.1 related to a *new* proceeding EB-2016-0315 initiated by the Board to consider the next steps for the elimination of the season class. That procedural order requested a number of updates to the 2015 Seasonal Report and Hydro One submitted the updated report on December 1, 2016 (“the 2016 Seasonal Report”).

On September 20, 2018 the Board issued a letter indicating their intent to resume proceeding EB-2016-0315 at the conclusion of the review of Hydro One’s 2018-2022 Distribution Application<sup>2</sup>. The Board requested the 2016 Seasonal Report be updated to reflect the new rates arising from its review of Hydro One’s Application. The Board also indicated that the updated report could include a revised approach to the elimination of the Seasonal Class.<sup>3</sup>

As discussed in the report, at the time of the March 2015 Decision to eliminate the Seasonal Class the Board had not yet approved the move to all-fixed distribution rates for

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<sup>1</sup> Hydro One currently has three year-round residential classes (High Density “UR” class, Medium Density “R1” class, and Low Density “R2” class), as well as a Seasonal residential class.

<sup>2</sup> EB-2017-0049.

<sup>3</sup> On April 17, 2019 the Board issued PO#2, which provided additional guidance regarding the updated report.

residential customers<sup>4</sup> and did not have any analysis of what the *combined* impact of moving to all-fixed distribution rates *and* eliminating the Seasonal Class would mean for Hydro One's seasonal customers.

The report demonstrates that the elimination of the Seasonal Class, as contemplated by the March 2015 Decision, results in only a small benefit for some seasonal customers at the expense of large negative impacts for other seasonal customers. The elimination of the Seasonal Class, once the move to all-fixed distribution rates is completed, results in a reduction of about \$7/month for the roughly 70,000 seasonal customers moving to the R1 residential class and an increase of about \$68/month for the roughly 78,000 seasonal customers that would move to the R2 residential class.<sup>5</sup> The combined impact on low volume seasonal customers of moving to the R2 residential class at all-fixed distribution rates, and without the rate subsidies available to year-round R2 customers, is a 129% (or \$79/month) increase in their total electricity bill.<sup>6</sup> The report also shows that the move to all-fixed distribution rates alone addresses the key concern that high volume seasonal customers pay a disproportionate share of the Seasonal Class costs<sup>7</sup>.

As a result of the significant bill impact to seasonal customers that would move to the R2 residential class, mitigation would be required to limit total bill impacts to 10% if the Seasonal Class was eliminated as contemplated by the March 2015 Decision. The recommended mitigation would be a fixed monthly credit for low-volume seasonal customers based on their prior year's average monthly consumption. Due to the magnitude of the impacts, it is estimated that bill credits would need to be in place for the lowest volume seasonal customers for a period of 10 years at an estimated total cost of about \$209M.<sup>8</sup>

Given the concerns raised with eliminating the Seasonal Class as contemplated by the March 2015 Decision, and the magnitude and duration of the impact mitigation that would be required, the current report proposes an alternate approach to eliminating the Seasonal Class. Hydro One's recommended alternate approach is to keep seasonal customers together as a group but cap their fixed and volumetric distribution charges at

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<sup>4</sup> On July 16, 2015 the OEB issued a letter to all licensed electricity distributors, and updated its Filing Requirements, detailing how the move to all-fixed distribution rates for residential customers was to be implemented.

<sup>5</sup> Per Table 10 of the report.

<sup>6</sup> Per Table 9 of the report.

<sup>7</sup> EB-2013-0416 Decision issued on March 12<sup>th</sup>, 2015 page 47.

<sup>8</sup> Per Table 12 of the report.

the equivalent all-fixed distribution rate immediately upon implementation. Hydro One's alternate approach has the benefits that it:

- i) Addresses the concerns that drove the March 2015 Decision to eliminate the Seasonal Class,
- ii) Results in all seasonal customers paying a distribution charge and total bill comparable to an R1 residential class customer (i.e. effectively eliminating the difference between seasonal and year-round residential customer rates),
- iii) Avoids the significant negative impacts on seasonal customers that would move to the low density R2 residential class,
- iv) Can be implemented relatively easily, with minimal expense and without impacting the rates of any other classes, and
- v) Reduces the magnitude and duration of the mitigation to 3 years at an estimated total cost of about \$30 M<sup>9</sup>, which reduces the bill impact on all customers when the mitigation costs need to be recovered.

With respect to implementation, Hydro One recommends that any changes related to eliminating the Seasonal Class be implemented as of January 1, 2021. This would align with the termination of the foregone revenue rate adders and regulatory asset rider amounts that have been calculated and approved by the Board in Hydro One's 2018-2022 Distribution Application on the assumption that the existing rate class structure remains in place until the disposition of those amounts is completed on December 31, 2020. Attempting to implement any changes to the Seasonal Class prior to 2021 would necessitate the unwinding of the approved foregone revenue and regulatory asset disposition, and the recalculation and rebilling of those amounts for all rate classes. This would be exceedingly complex to calculate, implement and communicate to customers.

The elimination of the Seasonal Class as originally contemplated by the March 2015 Decision represents a significant change to Hydro One's distribution rates structure that will impact the rates for *all* customer classes. As such, Hydro One recommends that any rate changes not be applied retroactively given the significant customer impacts, costs and complexity associated with cancelling and reissuing the monthly bills for over 1.2 million Hydro One customers over multiple years.

With respect to billing and meter reading, if the Seasonal Class is eliminated as contemplated by the March 2015 Decision Hydro One proposes that the billing and meter reading frequency for seasonal customers be based on customer usage level and patterns, and their current meter reading/billing method. This would meet seasonal customer

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<sup>9</sup> Per Table 17 of the report.

needs while minimizing overall billing and meter reading costs. However, consistent with the proposed alternate approach to elimination of the Seasonal Class, Hydro One recommends maintaining the current seasonal bill and meter reading frequencies, which have not been identified as a significant customer satisfaction issue. Seasonal customers who desire more frequent billing will have the option of moving to electronic-billing.

### **Structure of the Report**

This report examines the options and issues associated with eliminating the Seasonal Class. The current report includes a number of changes related to restructuring and clarifying the content of the 2015 and 2016 Seasonal Reports, as well as updates to reflect the Board's Decision in Hydro One's 2018-2022 Distribution Application. The structure of the report is summarized below.

**Section 2** discusses Hydro One's stakeholdering prior to filing the 2015 Seasonal Report. Stakeholders had diverse viewpoints, but they actively participated in the stakeholder session and their input was taken into consideration in the material and recommendations presented.

**Section 3** provides some background information on seasonal customers and shows that the elimination of the Seasonal Class as contemplated by the March 2015 Decision is estimated to result in about 70,000 seasonal customers moving to the medium density R1 residential class and about 78,000 customers moving to the low density R2 residential class. The material also shows that the consumption patterns for seasonal customers are notably different from year-round residential customers and that large numbers of seasonal customers have very low average monthly energy consumption. This section has been updated to reflect the results from the rate class review completed in preparation of Hydro One's 2018-2022 Distribution Application.

**Section 4** examines the impacts of eliminating the Seasonal Class and moving those customers to the UR, R1 or R2 residential classes as contemplated by the March 2015 Decision and using distribution rates as approved in Hydro One's 2018-2022 Distribution Application. Sub-section 4.2 discusses the impact that the Board's policy to move to all-fixed distribution rates for residential classes has on the plans to eliminate the Seasonal Class. Sub-section 4.3 considers a number of options for mitigating the bill impacts on those seasonal customers that would move to the R2 rate class. This section of the report also delineates the impacts resulting from the move to all-fixed rates versus the impacts due solely to eliminating the Seasonal Class.

**Section 5** is a new section that has been added to the report to document Hydro One's proposed alternate approach to eliminating the Seasonal Class. This section also



documents information that was not available at the time of the March 2015 Decision to eliminate the Seasonal Class, for consideration by the Board panel in this proceeding.<sup>10</sup>

**Section 6** of the report discusses the criteria associated with classification of seasonal customers, and the eligibility criteria for the Rural and Remote Rate Protection (“RRRP”) provided to R2 residential customers and the distribution rate protection (“DRP”) subsidy provided to R1 and R2 year-round residential customers under the Fair Hydro Plan. As confirmed by the Board in the March 2015 Decision, Seasonal customers are not eligible for RRRP, and by implication DRP, subsidies even if the Seasonal Class is eliminated. As such, Hydro One would need to continue to specifically identify seasonal customers in its billing system for the purpose of administering the RRRP and DRP subsidies.

**Section 7** of the report presents and assesses options for billing and meter reading frequencies associated with seasonal customer reclassification, taking into consideration customer usage level and patterns (low, medium, and high), meter reading method (automated vs. manual), and billing method (paper bills vs. electronic bills).

**Section 8** of the report describes changes to Hydro One’s Conditions of Service that would be required if the seasonal rate class is eliminated. Most of them would be administrative in nature, reflecting the elimination of the seasonal rate class and the addition of a new billing frequency.

**Section 9** discusses the implementation and ongoing administrative issues associated with eliminating the Seasonal Class as contemplated by the March 2015 Decision. Implementation issues include the need for extensive customer information system (“CIS”) changes, the need for annual monitoring of seasonal customers’ consumption, complexities associated with administering the impact mitigation credit, and customer communication challenges. There are also a number of Distribution System Code (“DSC”) exemptions that would be required as a result of the proposed billing and meter reading frequencies for seasonal customers. These implementation and ongoing administrative issues are significantly reduced under the alternate approach to eliminating the Seasonal Class recommended by Hydro One.

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<sup>10</sup> The bulk of this information was previously provided in Section 4.2 of the 2015 and 2016 Seasonal reports.

## 2 STAKEHOLDERING

Hydro One invited all intervenors of record in the EB-2013-0416 proceeding and Board staff to a stakeholder session held on June 10, 2015. The stakeholder session was held to provide information related to the proposed elimination of the Seasonal Class and promote feedback on options being considered for mitigating the impacts on seasonal customers as a result of eliminating the Seasonal Class. The notes of the meeting, which includes material presented at the stakeholder session, are provided in Appendix A.

Stakeholders actively participated in the session and provided valuable feedback that has been considered in this report, including the following key points:

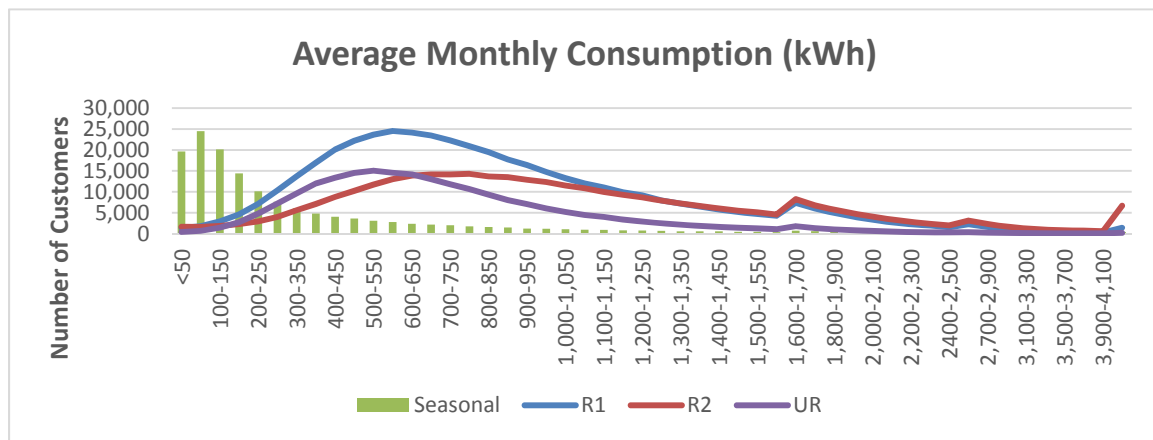
- Consider an option where all rate classes share in the mitigation of impacts associated with eliminating the Seasonal Class.
- Clarify the changes to cost allocation and rate design for all classes resulting from the elimination of the Seasonal Class.
- The need to understand the impact of moving to all-fixed residential distribution rates.
- The need for clear communication and customer education in order to inform customers about both rate and billing changes related to the elimination of the Seasonal Class.
- Elimination of the Seasonal Class provides the opportunity to promote a shift to electronic billing if customers desire more frequent billing.

As part of its normal communications process, Hydro One has continued to listen to its customers about what is important to them. This was done through meetings with stakeholders, customer surveys, and customer feedback through our call centre and at in-person events.

### 3 BACKGROUND ON THE SEASONAL CLASS

In evaluating the impacts of eliminating the Seasonal Class, it is useful to understand the load consumption characteristics of seasonal customers. Figure 1 provides information on the number of customers at various consumption levels for all of Hydro One's residential classes based on 2017 consumption data. Figure 1 illustrates that the consumption pattern for seasonal customers is heavily skewed to the low consumption end, as compared to the year-round residential customer classes which have a more normal distribution of customer consumption. In fact, about 44%, or ~64,000 seasonal customers, consume less than 150 kWh per month on average across the year.

**Figure 1**  
**Average Monthly Consumption by Rate Class**



Note: The step changes in the above graph result from a change in the x-scale consumption groupings.

In order to move customers out of the Seasonal Class as contemplated by the March 2015 Decision, it is necessary to determine into which year-round residential class each seasonal customer would be assigned. Seasonal customers are included as part of the work Hydro One carries out to review the density classifications to which customers are assigned. As such, the geographic location of seasonal customers was taken into consideration when defining the density zone boundaries that were reviewed and approved as part of proceeding EB-2013-0416 and recently updated in Hydro One's 2018-2022 Distribution Application.

Based on the density classification review results, Hydro One is able to estimate how the approved 2018 forecast of 147,679 seasonal customers would be split between the year-

round residential classes as shown in Table 1.<sup>11</sup>

**Table 1**  
**Breakout of Seasonal Customers among Residential Classes**

Target Class	UR	R1	R2	Total
Number of Seasonal Customers	245	69,839	77,595	147,679

Using the current density classification review results and historical consumption information for seasonal customers, Hydro One is able to estimate the number of seasonal customers in the various consumption ranges moving to each year-round residential class, as shown in Table 2.

**Table 2**  
**Estimated Number of Seasonal Customers Moving to R1 and R2 Classes**

	Average Monthly Consumption (kWh)									
	0-50	50-100	100-150	150-200	200-400	400-600	600-800	800-1,200	>1,200	Total
Seasonal to R1	7,956	11,031	9,463	6,768	14,335	7,199	4,427	4,745	3,913	69,839
Seasonal to R2	11,168	13,428	10,753	7,663	14,409	6,410	3,920	4,555	5,290	77,595

Table 3 shows the 10th and 90th percentile of average monthly consumption values for each of Hydro One's residential rate classes. These values are consistent with those used in Hydro One's 2018-2022 Distribution Application.

**Table 3**  
**Monthly Consumption Values for Bill Impact Calculations**

Rate Class	Monthly Consumption (kWh)		
	10th Percentile	Typical*	90th Percentile
UR	350	750	1,400
R1	400	750	1,800
R2	450	750	2,300
Seasonal	50	350	1,000

\* Typical consumption values shown for UR, R1, and R2 class is same as that prescribed by the OEB for use in calculating total bill impacts.

<sup>11</sup> Prior to the final implementation of any Seasonal Class changes, the number of seasonal customers moving to the various year-round residential classes would need to be updated based on the current customer classification and density zone information available at that time.

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## 4 ELIMINATION OF THE SEASONAL CLASS

### 4.1 Cost Allocation and Rate Design Impacts

To understand the cost allocation impacts of eliminating the Seasonal Class as contemplated by the March 2015 Decision, Hydro One ran two scenarios of its 2018 cost allocation model.

The first scenario, “Seasonal Status Quo”, is based on a 2018 cost allocation model (“CAM”) run that incorporates all of the model changes approved by the Board as part of its Decision in Hydro One’s 2018-2022 Distribution Application. In this run the Seasonal Class remains in place for 2018.

The second scenario, “Seasonal Eliminated”, is based on updating the 2018 Seasonal Status Quo CAM to reflect the elimination of the Seasonal Class in 2018. In this run the number of customers and kWh values for the “new” UR, R1 and R2 classes are updated to include the values associated with the seasonal customers moving into those classes.

Updated coincident peak (“CP”) and non-coincident peak (“NCP”) inputs to the CAM were determined for the new residential classes under the Seasonal Eliminated scenario. The updated CP and NCP values were based on load forecasts established for the “new” residential classes. Hydro One’s approach ensures that the coincident peak values for total distribution system remain the same before and after seasonal elimination, as expected<sup>12</sup>. The CAM input worksheets I6.1 (Revenue), I6.2 (Customer Data), I8 (Demand Data) and output sheet O1 (Revenue to Cost Summary) for the Seasonal Status Quo and Seasonal Eliminated scenarios are provided in Appendix B and C, respectively. A summary of the 2018 CAM results for both scenarios is provided in Table 4.

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<sup>12</sup> To calculate the 2018 CP and NCP inputs assuming no Seasonal Class, the hourly forecasts for each consolidated residential class (UR, R1, and R2) for each forecast year were determined by adding together the portion of hourly forecasts of seasonal customers mapped to that class and the hourly forecasts of customers who were already in that class. Thus, the hourly forecast for each consolidated class over the 2018-2022 forecast period takes into account the load growth and weather sensitivity of each class. The hourly load forecast for each class was then added together (hour by hour) to obtain the total distribution system load forecast and establish the peak dates and hours required in order to determine the 1CP, 4CP and 12CP CAM input values by class.

**Table 4**  
**2018 CAM Results for Seasonal Status Quo and Seasonal Eliminated Scenarios**

Rate Class	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST	Total
<b>Seasonal Status Quo</b>														
Revenue at Current Rates	89.8	298.5	492.7	104.2	157.4	133.1	21.6	27.0	9.8	5.4	3.3	3.5	50.1	1,396.4
Escalated Revenue	93.7	311.7	514.7	108.9	164.5	139.2	22.6	28.2	10.2	5.5	3.4	3.7	52.4	1,458.5
Cost	87.1	285.0	530.1	100.0	166.3	156.0	22.5	31.0	11.0	5.7	2.8	6.3	54.8	1,458.5
R/C Ratio	1.08	1.09	0.97	1.09	0.99	0.89	1.01	0.91	0.93	0.97	1.23	0.58	0.96	1.00
<b>Seasonal Eliminated</b>														
Revenue at Current Rates	89.9	333.8	581.2	0.0	157.5	133.2	21.6	27.0	9.8	5.4	3.3	3.5	50.1	1,416.2
Escalated Revenue	92.5	343.7	598.7	0.0	162.2	137.2	22.3	27.8	10.1	5.5	3.4	3.6	51.6	1,458.5
Cost	87.7	312.5	596.6	0.0	168.6	158.2	22.7	31.4	11.2	5.7	2.8	6.3	54.9	1,458.5
R/C Ratio	1.06	1.10	1.00	-	0.96	0.87	0.98	0.89	0.90	0.97	1.21	0.57	0.94	1.00

One of the key differences between the CAM results for the two scenarios is the revenues collected at current rates. As shown in the last column of Table 4, the elimination of the Seasonal Class results in an additional \$19.8M<sup>13</sup> in total revenue at current rates, which means that the uniform increase to the current revenue collected from all classes required to match the 2018 approved costs is only 3.0% under the Seasonal Eliminated scenario, as compared to 4.4% under the Seasonal Status Quo scenario. This shows that one of the impacts of eliminating the Seasonal Class is that the higher revenues generated from seasonal customers moving to the R2 class results in a smaller uniform rate increase for all other rate classes.

As shown in Table 4, the elimination of the Seasonal Class results in a noticeable increase in the R2 R/C ratio while the R/C ratios for most classes decrease. The lower R/C ratios of the general service rate classes are also due to the minimum system and PLCC adjustment methodology used in the CAM to allocate costs. The PLCC adjustment results in a larger portion of both the CP and NCP demand for the “new” R1 and R2 classes (i.e. including seasonal customers) being accommodated by the minimum system. The impact to the PLCC adjustment as a result of eliminating the Seasonal Class effectively means that a larger proportion of the demand-allocated costs are shifted to the general service rate classes<sup>14</sup>.

To help understand the impact on seasonal customers as a result of eliminating the Seasonal Class, it is helpful to look at the average revenue per customer. The data provided in Table 5 shows that under the Seasonal Status Quo, the average revenue per

<sup>13</sup> \$19.8 = \$1,416.2-\$1,396.4

<sup>14</sup> The PLCC adjustment impacts the 4&12 CP & NCP allocators, and particularly the Line Transformer 4 NCP (LTNCP4) allocator. The higher allocators for the general service rate classes affects the allocation of assets to each class, which directly impacts the allocation of asset related costs (i.e. depreciation, interest, net income) and indirectly impacts the allocation of distribution maintenance and operation costs.

customer for the Seasonal and R1 classes is similar (\$737 and \$697 respectively). With the elimination of the Seasonal Class, the average revenue per customer drops by only 10% to \$664 for seasonal customers moving to the R1 class, but it increases by 100% to \$1,474 for those seasonal customers moving to the R2 class.

**Table 5**  
**Comparison of 2018 Annual Revenue per Customer for Residential Classes**

Rate Class	Seasonal Status Quo			Seasonal Eliminated		
	Revenue to be Collected (\$M)	Number of Customers	Revenue per Customer	Revenue to be Collected (\$M)	Number of Customers	Revenue per Customer
<b>UR</b>	93.7	227,025	413	92.5	227,271	407
<b>R1</b>	311.7	447,465	697	343.7	517,304	664
<b>R2</b>	514.7	328,479	1,567	598.7	406,074	1,474
<b>Seasonal</b>	108.9	147,679	737	-	-	-

The outputs of the CAM provide the basis for rate design over the 2018 to 2022 period. As discussed in Section 9, Hydro One recommends that any changes related to eliminating the Seasonal Class be implemented as of January 1, 2021. To evaluate the 2021 rate and bill impacts of eliminating the Seasonal Class in 2018, Hydro One compared two scenarios of the 2021 rate design.

The first scenario, “2021 Seasonal Status Quo”, calculates 2021 rates based on the outputs of the Board-approved 2018 CAM and the 2018/2019/2020/2021 rate design methodology, as well as the Board-approved 2018 to 2021 revenue requirements and charge determinants in EB-2017-0049.<sup>15</sup> In this scenario the Seasonal Class remains in place for 2018, 2019, 2020 and 2021.

The second scenario, “2021 Seasonal Eliminated” calculates what the 2021 rates would be assuming the elimination of the Seasonal Class had taken place in 2018. This scenario is based on the output of the 2018 Seasonal-Eliminated CAM and use of the Board-approved rate design methodology. The 2018 to 2021 rate design uses the number of customers and kWh values for the “new” UR, R1 and R2 classes based on the seasonal customers moving into those classes in 2018.

Details of the 2018 to 2021 rate design for both the Seasonal Status Quo and Seasonal Eliminated scenarios are provided in Appendix D. Appendix D includes the rates that would apply in each of 2018 to 2021 under both scenarios. The rate design includes any R/C ratio adjustments necessary to move within the Board’s approved R/C ranges. The approach for balancing any revenue requirement that needs to be shifted among classes

<sup>15</sup> The first scenario is consistent with the data provided in the Draft Rate Order in EB-2017-0049 that was subsequently approved in the Board Rate Order dated June 11, 2019.

follows the approach approved by the Board in Hydro One's 2018-2022 Distribution Application.

The fixed and variable rates resulting from the rate design process under both scenarios are summarized in Table 6, which also includes the equivalent *all-fixed rate* applicable for each residential class under each scenario.

**Table 6**  
**2021 Fixed and Variable Rates under**  
**Seasonal Status Quo and Seasonal Eliminated Scenarios**

Rate Class	Seasonal Status Quo			Seasonal Eliminated		
	Fixed Rate (\$/month)	Variable Rate (\$/kWh or \$/kW)	Equivalent All-Fixed Rate (\$/month)	Fixed Rate (\$/month)	Variable Rate (\$/kWh or \$/kW)	Equivalent All-Fixed Rate (\$/month)
<b>UR</b>	35.47	0.0000	35.47	34.94	0.0000	34.94
<b>R1</b>	48.44	0.0140	60.07	46.21	0.0146	57.30
<b>R2</b>	112.29	0.0224	135.71	105.70	0.0243	127.81
<b>Seasonal</b>	50.10	0.0435	63.65	-	-	-
<b>GSe</b>	32.08	0.0634		31.61	0.0625	
<b>GSd</b>	106.97	18.0353		105.26	17.7469	
<b>UGe</b>	25.28	0.0302		24.91	0.0298	
<b>UGd</b>	98.98	10.3680		97.54	10.2166	
<b>St Lgt</b>	3.46	0.1058		3.41	0.1043	
<b>Sen Lgt</b>	2.79	0.1518		2.84	0.1543	
<b>USL</b>	37.13	0.0248		37.25	0.0249	
<b>Dgen*</b>	193.98	9.6733		198.96	9.9213	
<b>ST</b>	1108.19	1.5458		1091.98	1.5232	

\* The increase in DGen rates is largely related to bringing the class R/C ratio within the Board-approved range and not the result of the elimination of the Seasonal Class.

Table 7 provides the 2021 total bill impacts, assuming no mitigation, under the Seasonal Status Quo and Seasonal Eliminated scenarios for residential customers at low, typical and high consumption levels, and for all other rate classes at the typical consumption level. The calculation of impacts is based on the Board's bill impact calculation methodology and the calculation details are provided in Appendix F and Appendix G for the Seasonal Status Quo and Seasonal Eliminated scenarios, respectively.

Table 7 shows that the elimination of the Seasonal Class results in a small decrease in the 2020 to 2021 total bill impacts for most rate classes. The R1 and R2 residential classes would have seen the biggest decrease as a result of the elimination of the Seasonal Class, but given that the distribution charges for those classes are capped under the Distribution



Rate Protection (DRP) provided by the Fair Hydro Plan, the R1 and R2 customers will in fact see negligible benefits from the elimination of the Seasonal Class.

The biggest impact of eliminating the Seasonal Class is on the seasonal customers themselves. While there is a notable decrease in the 2021 bill impacts for those seasonal customers moving to the R1 class (**Seasonal-R1**), as well as the very few customers moving to the UR class (**Seasonal-UR**), there is a significant increase in bill impacts for the low and average consumption seasonal customers moving to R2 class (**Seasonal-R2**). In the case of low volume Seasonal R2 customers, they would see an increase of 112% over their 2020 total bill.

**Table 7**  
**2021 Bill Impacts under Seasonal Status Quo and Seasonal Eliminated Scenarios**

Rate Class	Monthly Consumption/Peak (kWh/kW)	2020 Total Bill (\$)	2021 Status Quo Change in Total Bill		2021 Seasonal Eliminated Change in Total Bill	
			(\$)	(%)	(\$)	(%)
UR	350	75.40	2.34	3.1%	1.78	2.4%
	750	122.30	0.75	0.6%	0.19	0.2%
	1,400	198.52	-1.85	-0.9%	-2.40	-1.2%
R1-With DRP	400	85.23	0.00	0.0%	-0.05	-0.1%
	750	125.19	0.00	0.0%	-0.08	-0.1%
	1,800	245.06	0.00	0.0%	-0.20	-0.1%
R1-Without DRP	400	99.66	3.61	3.6%	1.48	1.5%
	750	146.27	2.11	1.4%	0.15	0.1%
	1,800	286.10	-2.42	-0.8%	-3.83	-1.3%
R2-With DRP	450	91.85	0.00	0.0%	-0.10	-0.1%
	750	126.71	0.00	0.0%	-0.17	-0.1%
	2,300	306.82	0.00	0.0%	-0.53	-0.2%
R2-Without DRP	450	110.15	7.96	7.2%	1.84	1.7%
	750	154.18	5.85	3.8%	0.26	0.2%
	2,300	381.64	-5.05	-1.3%	-7.92	-2.1%
Seasonal-UR	50	56.13	5.31	9.5%	-12.92	-23.0%
	350	108.10	1.22	1.1%	-30.91	-28.6%
	1,000	220.69	-7.65	-3.5%	-69.88	-31.7%
Seasonal-R1	50	56.13	5.31	9.5%	-0.28	-0.5%
	350	108.10	1.22	1.1%	-13.43	-12.4%
	1,000	220.69	-7.65	-3.5%	-41.92	-19.0%
Seasonal-R2	50	56.13	5.31	9.5%	62.79	111.9%
	350	108.10	1.22	1.1%	53.27	49.3%
	1,000	220.69	-7.65	-3.5%	32.64	14.8%
GSe	2,000	388.29	4.38	1.1%	2.00	0.5%
UGe	2,000	308.76	2.44	0.8%	1.21	0.4%
GSd	36,104/124	8,258.82	71.87	0.9%	29.51	0.4%
UGd	50,525/135	9,513.52	47.30	0.5%	22.57	0.2%
St Lgt	517	112.78	1.60	1.4%	0.74	0.7%
Sen Lgt	71	21.03	0.78	3.7%	1.02	4.8%
USL	364	85.16	1.30	1.5%	1.46	1.7%
DGen	1,328/13	568.46	10.02	1.8%	19.29	3.4%
ST	1,601,036/3,091	251,435.84	550.20	0.2%	442.15	0.2%

The impacts shown in Table 7 for seasonal customers are the combined impact in 2021 of both the 5<sup>th</sup> year of the phase-in to all-fixed distribution rates and the impact of eliminating the Seasonal Class. To better understand the impact of just eliminating the Seasonal Class, Table 8 provides a breakout of the impact on seasonal customers' monthly bill in 2021 due to just the elimination the Seasonal Class.

**Table 8**  
**Impact in 2021 of Eliminating the Seasonal Class**

Monthly Consumption (kWh)	2020 Seasonal Total Bill \$/month	2021 Impact of Eliminating the Seasonal Class					
		Seasonal-R2		Seasonal-R1		Seasonal-UR	
		\$	%	\$	%	\$	%
50	56.13	57.48	102%	-5.59	-10%	-18.23	-32%
350	108.10	52.05	48%	-14.65	-14%	-32.13	-30%
1,000	220.69	40.30	18%	-34.27	-16%	-62.22	-28%

The impacts shown in Table 8 do not provide a full picture of the impact on seasonal customers as a result of the elimination of the Seasonal Class because it does not show what the impacts will be on seasonal customers at the completion of the move to all-fixed distribution rates for the UR, R1 and R2 classes. These impacts are referred to in this report as *end-state* impacts and are discussed in Section 4.2.

#### 4.2 Consideration of the Move to All-Fixed Distribution Rates

After its March 12, 2015 Decision to eliminate the Seasonal Class, the Board issued a new policy on April 2, 2015 under proceeding EB-2012-0410 requiring that all utilities move to a “all-fixed” distribution rate for residential classes starting in 2016.<sup>16</sup>

The Board’s direction was to move residential classes to all-fixed distribution rate over 4 years, which was intended to keep associated bill increases to less than \$4 per month in any given year. However, the Board indicated that it would consider a utility’s request for exception to the 4-year transition period, if necessary to limit customer bill impacts. In its application for 2016 distribution rates, Hydro One received approval from the Board to move its R1, R2 and Seasonal residential rate classes to all-fixed distribution rates over 8 years starting 2016. UR customers were approved to move to all-fixed distribution rates over 5 years. In its 2018-2022 Distribution Application, Hydro One proposed and received approval from the Board to suspend its transition to all-fixed residential distribution rates in 2018. As a result, the R1, R2 and Seasonal residential classes are now expected to have all-fixed distribution rates in 2024.<sup>17</sup>

Since the policy regarding the move to all-fixed rates for residential customers came out after the Board’s Decision in Hydro One’s EB-2013-0416 proceeding, the bill impacts on customers moving to all-fixed rates were not explored in the pre-filed evidence, interrogatories or oral hearing during the proceeding. In particular, the *combined* impact of eliminating the Seasonal Class *and* moving to all-fixed rates was not evaluated.

<sup>16</sup> Implementation details of the policy were subsequently approved in a letter to all electricity distributors dated July 16, 2015.

<sup>17</sup> The UR class will be at all-fixed rates by 2021.

Information is provided below on the impact to seasonal customers of implementing both the elimination of the Seasonal Class and the move to all-fixed distribution rates for consideration by the Board panel in this proceeding.

Table 9 compares a seasonal customer's 2021 total bill assuming the Seasonal Class was not eliminated (i.e. Seasonal Status Quo) against what their total bill would be as a result of either i) staying in the Seasonal Class and moving to end-state<sup>18</sup> all-fixed rates or ii) moving to the residential classes at their respective end-state all-fixed rates.

**Table 9**  
**Comparison between Moving Seasonal Customers to Seasonal Class End State All-Fixed Rates versus Residential Class End State All-Fixed Rates**

Monthly Consumption (kWh)	2021 Seasonal Status Quo	2021 Seasonal All-Fixed Rates		2021 Seasonal Eliminated					
				R2 All-Fixed Rate		R1 All-Fixed Rate		UR All-Fixed Rate	
				Total Bill (\$)	Change (%)	Total Bill (\$)	Change (%)	Total Bill (\$)	Change (%)
50	61.44	73.39	19%	140.86	129%	66.73	9%	43.21	-30%
350	109.31	107.56	-2%	175.65	61%	100.94	-8%	77.19	-29%
1,000	213.03	181.58	-15%	251.03	18%	175.08	-18%	150.81	-29%

To assist in understanding the factors contributing to the seasonal customer impacts, Table 10 breaks out the end-state impacts shown in Table 9 into two components: 1) the impact of just moving to all-fixed Seasonal Class rates and 2) the additional impact resulting from the elimination of the Seasonal Class.

**Table 10**  
**Break Out of End State Impacts Resulting from the Seasonal Class Moving to All-Fixed Rates and the Elimination of the Seasonal Class**

Monthly Consumption (kWh)	2021 Seasonal Status Quo	2021 Impact of Seasonal Class Moving to All-Fixed Rates		2021 Impact of Eliminating Seasonal Class					
				Seasonal-R2		Seasonal-R1		Seasonal-UR	
	Total Bill (\$/month)	\$	%	\$	%	\$	%	\$	%
50	61.44	11.94	19%	67.47	110%	-6.66	-11%	-30.18	-49%
350	109.31	-1.76	-2%	68.09	62%	-6.61	-6%	-30.37	-28%
1000	213.03	-31.45	-15%	69.44	33%	-6.51	-3%	-30.78	-14%

<sup>18</sup> The end-state impact reflects the impact that seasonal customers will see when the move to all-fixed distribution rates is completed, based on the approved 2018 2021 revenue requirement.

The results shown in Tables 9 and 10 highlight two key items:

1. Seasonal customers moving to all-fixed R1 distribution rates will see only a relatively small additional benefit from the elimination of the Seasonal Class.
  - Low consumption seasonal customers will see their monthly bill go from \$61 to \$73 as a result of the move to all-fixed Seasonal Class rates, as compared to a monthly bill of \$67 if they move to the R1 class with an all-fixed rate (i.e. a \$6 decrease in their monthly bill).
  - A typical consumption seasonal customer will see their monthly bill go from \$109 to \$108 as a result of the move to Seasonal Class all-fixed rates, as compared to a monthly bill of \$101 if they move to the R1 class with an all-fixed rate (i.e. a \$7 decrease in their monthly bill).
  - High consumption seasonal customers will see their monthly bill go from \$213 to \$182 as a result of the move to Seasonal Class all-fixed rates, as compared to a monthly bill of \$175 if they move to the R1 class with an all-fixed rate. This means that high consumption seasonal customers will see a reduction of \$31 relative to their 2021 bill *solely as a result of moving to all-fixed Seasonal Class rates*, and only a further \$7 reduction if the Seasonal Class is eliminated.
2. Seasonal customers moving to all-fixed R2 distribution rates will see large negative impacts from the elimination of the Seasonal Class
  - Low consumption seasonal customers will see a 19% increase in their total bill when they move to all-fixed Seasonal Class rates, while their bill impact increases to 129% if the Seasonal Class is eliminated and they move to the R2 class with an all-fixed rate. That means their 2021 monthly bill of \$61 will go to \$73 as a result moving to an all-fixed Seasonal Class rate, while it will jump to \$141 if the Seasonal Class is eliminated and they move to the R2 class with an all-fixed rate.
  - An average consumption seasonal customer will see a \$2 decrease in their \$109 monthly bill as a result of simply moving to all-fixed Seasonal Class rates, as compared to an increase of \$66 if the Seasonal Class is eliminated and they move to the R2 class with an all-fixed rate.
  - High consumption seasonal customers moving to an all-fixed Seasonal Class rate will see a bill reduction of 15% as compared to a bill increase of 18% if they moved to an all-fixed R2 rate. This means that instead of seeing a \$31 reduction in their 2021 bill as a result of moving to an all-fixed Seasonal Class rate, high consumption seasonal customers will actually see an increase of \$38 if the Seasonal Class is eliminated and they move to the R2 class with an all-fixed rate.

From a customer perspective, the elimination of the Seasonal Class results in only minimal benefits to the ~70,000 seasonal-R1 customers (i.e. a reduction of about \$7 in their bill), while resulting in large negative impacts to all of the ~78,000 seasonal-R2 customers (i.e. an increase of about \$68 in their bill). While there are notable benefits to seasonal customers that would move to the UR class, this would benefit only about 245 of the ~147,700 seasonal customers.

The reason that the elimination of the Seasonal Class results in only a small benefit to the seasonal-R1 customers is that the average cost per customer for the R1 class is close to the cost per customer for the Seasonal Class (as shown in Table 5). The costs allocated to the Seasonal Class are relatively low because the load consumption profile and average density of all seasonal customers *as a group*, combined with the impact of the minimum system, PLCC and density adjustments built into the Board-approved cost allocation model, results in fewer costs being allocated to seasonal customers when they are part of a stand-alone Seasonal Class.

### **4.3 Mitigation of Bill Impacts**

The bill impacts shown in sections 4.1 and 4.2 clearly indicate that some form of mitigation would be required for seasonal customers moving to the R2 residential class if the Seasonal Class is eliminated as contemplated by the March 2015 Decision.

As discussed in Section 9 on implementation, the elimination of the Seasonal Class is made extremely complicated by the fact that it represents a significant change to Hydro One's distribution class structure that would impact the rates for *all* customer classes. The complexity is further compounded by the fact that changes associated with the approval of Hydro One's 2018-2022 Distribution Application required foregone revenue rate adders and regulatory asset rider amounts that have been calculated and approved on the assumption that the existing rate class structure remains in place until the disposition of those amounts is completed on December 31, 2020.

Attempting to implement any changes to the Seasonal Class prior to 2021 would necessitate the unwinding of the approved foregone revenue and regulatory asset disposition, and the recalculation and rebilling of those amounts for individual customers in all rate classes. This would be exceedingly complex to calculate, implement and communicate to customers.

As such, the bill impact mitigation presented below is intended to be applied on a "go forward" basis starting in 2021 when Hydro One proposes that the elimination of the Seasonal Class be made effective if it is eliminated as contemplated by the March 2015 Decision.

Two options are considered based on Hydro One's prior experience with mitigating large impacts as a result of customers moving between rate classes.

The 1<sup>st</sup> mitigation option considered is a credit-based approach. Under this option, seasonal customers will move to R2 class rates in 2021 (i.e. they will be billed at the same rate as all R2 customers) and a credit will be applied to their bills to limit total bill impacts to 10%. The 10% impact will take into account all distribution-related items approved by the Board for 2021 as well as the elimination of the Seasonal Class.<sup>19</sup>

The 2<sup>nd</sup> mitigation option considered is to phase-in the rates that seasonal customers would pay. Under this option, the fixed charge for seasonal customers will be phased-in to the same all-fixed distribution charge as R2 residential customers over the number of years required to limit the bill impacts to 10% per year over the transition period.<sup>20</sup> Limiting the impacts to 10% per year will result in a phase-in period of 14 years. A variation to this mitigation option that has been considered is to use a set phase-in period of 8 years, similar to the period used by Hydro One for phasing-in the move to all-fixed rates for the Seasonal Class. This shorter phase-in period will result in bill impacts that exceed 10% for low volume Seasonal customers, but the bill impacts are relatively small in absolute dollar terms

#### **4.3.1 Option 1: Use a Credit-based Approach to Mitigate Impacts**

Under this option, the 2020 Seasonal Class fixed and variable rates of \$44.39/month and \$0.0565/kWh, respectively, would immediately move to the 2021 R2 class fixed and variable rates of \$105.70/month and \$0.0243/kWh, as calculated in the Seasonal Eliminated rate design sheet provided at Appendix D. A mitigation credit would then be applied to seasonal-R2 customers' bills to limit the impacts to a 10% increase over their prior year's total bill. Per the Board Decision in Hydro One's EB-2013-0416 proceeding, and as discussed in Section 6 of this report, seasonal-R2 customers would not receive either the monthly RRRP credit of \$60.50 that applies to year-round R2 residential customers or the Distribution Rate Protection (DRP) subsidy.

The 2021 total bill impacts and mitigation credits required as a result of both eliminating the Seasonal Class and moving to the 5<sup>th</sup> year of phased-in R2 rates are provided in Table 11.

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<sup>19</sup> A credit-based approach was approved by the Board to mitigate the impacts on customers moving to higher rates in 2015 as a result of the density classification review completed under EB-2013-0416.

<sup>20</sup> This is the approach used in 2008 to migrate the rates of customers in utilities acquired by Hydro One to the rates of Hydro One's retail classes, which was approved under proceeding EB-2007-0861.

**Table 11**  
**Impacts and Mitigation Credits Required for Seasonal Customers Moving to R2**  
**Residential Rates in 2021**

Rate Class	Monthly Consumption (kWh)	2020 Total Bill (\$)	2021 Total Bill (\$)	Change 2020 to 2021 (\$)	Change 2020 to 2021 (%)	2021 Mitigated Bill (2020 + 10%) (\$)	Bill Credit to Limit Impact to 10% (\$)
Seasonal-R2	50	56.13	118.92	62.79	111.9%	61.74	57.18
	100	64.79	125.99	61.20	94.5%	71.27	54.72
	150	73.45	133.07	59.62	81.2%	80.80	52.27
	200	82.11	140.14	58.03	70.7%	90.33	49.82
	300	99.44	154.29	54.86	55.2%	109.38	44.91
	400	116.76	168.44	51.68	44.3%	128.43	40.01
	500	134.08	182.59	48.51	36.2%	147.49	35.10
	600	151.40	196.74	45.33	29.9%	166.54	30.19
	700	168.72	210.88	42.16	25.0%	185.59	25.29
	800	186.04	225.03	38.99	21.0%	204.65	20.38
	900	203.37	239.18	35.81	17.6%	223.70	15.48
	1,000	220.69	253.33	32.64	14.8%	242.76	10.57
	1,100	238.01	267.48	29.47	12.4%	261.81	5.67
	1,200	255.33	281.62	26.29	10.3%	280.86	0.76
	1,300	272.65	295.77	23.12	8.5%	299.92	0.00

Table 12 provides the estimated credit amounts in future years as a result of the combined impact of eliminating the Seasonal Class and moving to all-fixed R2 rates. At the lowest consumption level, the annual bill increase associated with the move to an all-fixed R2 rate is so great that the mitigation credit amounts would continue to increase until 2024 and credits would be required until 2030. It is estimated that a total of \$209M in credits would be paid out over the full mitigation period.

**Table 12**  
**Estimated credits required to limit bill impacts to 10% for seasonal customers**  
**during phase-in to all-fixed R2 rates**

Year	Bill Credit Amount at Monthly Consumption (kWh)													Annual Credit Amount (\$M)
	0-50	51-100	101-150	151-200	201-300	301-400	401-500	501-600	601-700	701-800	801-1,000	1,000-1,200	1,201-1,500	
2021	\$58.40	\$55.95	\$53.50	\$51.04	\$47.36	\$42.46	\$37.55	\$32.65	\$27.74	\$22.84	\$15.48	\$5.67	\$0.00	\$41.1
2022	\$60.23	\$56.40	\$52.57	\$48.74	\$42.99	\$35.33	\$27.67	\$20.01	\$12.35	\$4.68	\$ -	\$ -	\$ -	\$37.9
2023	\$61.49	\$56.18	\$50.88	\$45.58	\$37.62	\$27.01	\$16.40	\$5.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$35.0
2024	\$62.12	\$55.24	\$48.35	\$41.47	\$31.15	\$17.39	\$3.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$32.1
2025	\$54.53	\$46.38	\$38.23	\$30.08	\$17.86	\$1.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$24.7
2026	\$46.19	\$36.65	\$27.10	\$17.56	\$3.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$17.7
2027	\$37.01	\$25.94	\$14.86	\$3.78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$11.5
2028	\$26.92	\$14.15	\$1.39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$6.1
2029	\$15.82	\$1.19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$2.3
2030	\$3.60	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.5
2031	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.0
Total														\$208.9

The magnitude of the credits does not change substantially across small consumption ranges. As such, a fixed credit amount could apply for all seasonal customers within the



consumption bands shown in Table 12. The applicable credit amount, calculated based on the midpoint within the consumption band, would be determined based on the prior year's average monthly consumption for each individual seasonal-R2 customer at the time the credit is established.

An approach based on a pre-defined credit amount tied to a narrow consumption band will ensure customers receive an appropriate credit, while minimizing the cost and complexities associated with administering the credits and making it easier to communicate to customers.<sup>21,22</sup>

### **Recovery of the Credits Paid to Seasonal-R2 Customers**

If a credit-based approach is adopted for mitigating seasonal-R2 impacts, it will be necessary to dispose of the costs associated with providing the credits. Hydro One considered two options for disposing of the credit cost.

The first option is to recover the credit cost through monthly debits on the bills of all formerly seasonal customers that are seeing less than the 10% impact. The intent of targeting formerly seasonal customers is that until such time as the seasonal-R2 customers are fully phased-in, the formerly seasonal customers moving to the UR and R1 classes, as well as those formerly seasonal customers in the R2 class that are seeing less than 10% impacts, should carry the burden of mitigating the impacts on those formerly seasonal customers experiencing more than 10% impacts as a result of the elimination of the Seasonal Class.

This approach for recovering the credit cost is complex to administer and largely defeats the purpose of limiting the cross-subsidization between high and low volume seasonal customers, which eliminating the Seasonal Class was intended to achieve. Many participants at the June 10<sup>th</sup>, 2015 stakeholder session also felt that this approach was too punitive on formerly seasonal customers and did not recognize that customers in all classes derive some benefits from the elimination of the Seasonal Class.

The second approach, developed in response to stakeholder feedback, is to recover the cost of credits from customers in all classes, not just formerly seasonal customers. The

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<sup>21</sup> A pre-defined credit approach is the methodology adopted by the Board for mitigating impacts on customers eligible under the Ontario Electricity Support Program ("OESP") after considering and rejecting the use of individualized customer credits.

<sup>22</sup> Use of the prior year's consumption as the basis for the credit is consistent with the approach approved for determining the credits applicable to customers moving to higher rates due to the density classification review under proceeding EB-2013-0416.

rationale for doing so is that all classes benefit from the increased revenue at current rates as a result of eliminating the Seasonal Class, as discussed in Section 4.1.<sup>23</sup>

Under this approach, the amount of credits paid to seasonal-R2 customers would be tracked in a variance account for disposition as part of the annual rates-setting process under a Custom IR or IRM application.

For the purpose of disposition, Hydro One would allocate the credit variance account balance across all classes based on the revenue share of each class prior to any R/C ratio adjustments. The amount to be collected from each class would then be disposed of via a fixed rider determined on a per customer basis. Table 13 shows the monthly fixed rider by rate class that would be required to clear the estimated 2021 credit variance account balance. Note that a rider, of decreasing magnitude, would need to be in place until at least 2030, as shown in Table 12.

**Table 13**  
**Estimated Monthly Fixed Rider by Rate Class for 2021**

<b>Rate Class</b>	<b>Number of Customers (2021)</b>	<b>Rates Revenue Requirement (2021) (\$M)</b>	<b>Credit Variance Account Share (\$M)</b>	<b>Fixed Rate Rider (\$/month/cust)</b>
<b>UR</b>	235,485	98.7	2.7	0.94
<b>R1</b>	529,405	364.0	9.8	1.54
<b>R2</b>	411,716	631.5	16.9	3.43
<b>GSe</b>	87,424	164.1	4.4	4.20
<b>GSd</b>	5,365	143.3	3.8	59.76
<b>UGe</b>	18,220	23.0	0.6	2.82
<b>UGd</b>	1,755	28.4	0.8	36.24
<b>St Lgt</b>	5,579	10.6	0.3	4.26
<b>Sen Lgt</b>	22,139	2.8	0.1	0.28
<b>USL</b>	5,589	3.2	0.1	1.30
<b>DGen</b>	1,465	5.6	0.2	8.61
<b>ST</b>	816	57.1	1.5	156.65
<b>Total</b>	<b>1,324,957</b>	<b>1,532.4</b>	<b>41.1</b>	

<sup>23</sup> Under the DRP, R1 and R2 customers will not benefit from the elimination of the Seasonal Class. They would see the impacts of any riders established to recover the cost of credit since rate riders are not covered under the DRP.

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### ***Pros and Cons of Option 1***

There are a number of benefits associated with immediately moving seasonal customers to the 2021 residential rates and using a credit-based approach to mitigate the impacts on seasonal-R2 customers as a result of eliminating the Seasonal Class:

- This approach is easy to communicate to customers;
- The credits are targeted to *only* those seasonal-R2 customers that need them;
- Seasonal customers benefitting from the elimination of the Seasonal Class will see those benefits immediately, but this comes at the expense of higher credits to be paid for by other customers
- The costs of the credit are shared among all customers, as recommended by stakeholders.

The drawbacks associated with this option are that:

- The time required to fully eliminate the need for a credit to seasonal-R2 customers extends over a lengthy 10-year period;
- There are billing system complexities associated with both the initial implementation and ongoing administration of the credits on customers' bills, including annual consumption monitoring;
- Large fixed rate rider amounts for the demand billed rate classes, as well as the streetlight class, would be highly punitive on customers with low demand.

The final drawback noted above can be mitigated by developing a combined fixed and variable rider for disposition of the credit costs to non-residential rate classes.

#### **4.3.2 Option 2A: Phase-In Rates to Keep Total Bill Impacts Less Than 10%**

Under this option, the 2020 monthly fixed charge of \$44.39 that seasonal customers pay will be uniformly increased to the end-state all-fixed R2 monthly charge of \$127.81 over a number of years to limit the total bill impacts for low consumption seasonal customers to 10%.<sup>24</sup>

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<sup>24</sup> This is the same approach that was used starting in 2008 to migrate the rates for customers in the 80+ utilities that Hydro One had previously acquired

A period of 14 years would be required to phase-in the move from current Seasonal Class rates to all-fixed R2 rates, while limiting bill impacts to less than 10% for low consumption seasonal customers consuming an average of 50 kWh per month. The rates payable by seasonal-R2 customers in 2021 will be a monthly fixed charge of \$50.35<sup>25</sup> and a variable rate of \$0.0359/kWh. The resulting 2021 total bill impacts for Option 2 are provided in Table 14, which shows that the total bill impact on low consumption customers is limited to 9.4%. The magnitude of impacts in subsequent years would be similar.

**Table 14**  
**2021 Impacts on Seasonal-R2 customers under Option 2**

<b>Rate Class</b>	<b>Monthly Consumption (kWh)</b>	<b>2020 Total Bill (\$)</b>	<b>2021 Total Bill (\$)</b>	<b>Change 2020 to 2021 (\$)</b>	<b>Change 2020 to 2021 (%)</b>
<b>Seasonal-R2</b>	<b>50</b>	56.13	61.41	5.28	9.4%
	<b>350</b>	108.10	107.51	-0.59	-0.5%
	<b>1,000</b>	220.69	207.39	-13.30	-6.0%

This option results in a very lengthy period to mitigate the impacts of eliminating the Seasonal Class and did not receive much support from stakeholders as it puts the costs associated with phasing-in the seasonal-R2 customers completely on the year-round residential R2 customers in the form of increased variable rates that would be required to offset the lower fixed charge collected from seasonal-R2 customers within the class. Table 14 also shows that limiting the impacts to 10% for low consumption seasonal customers results in reduced bill impacts for average and high consumption seasonal customers (e.g. customers at 1,000 kWh would see a 6.0% bill reduction). The reduced impacts for high consumption seasonal customers come at the expense of all other R2 customers who pay higher variable rates over the 14-year phase in period.

#### **4.3.3 Option 2B: Phase-In of Rates Over 8 Years**

Option 2B addresses some of the drawbacks discussed above by phasing-in the increase in the current \$44.39 monthly fixed charge that seasonal customers pay over a period of 8 years. The rates payable by seasonal-R2 customers in 2021 will be a monthly fixed

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<sup>25</sup> 1/14<sup>th</sup> of the way from \$44.39 to \$127.81.

charge of \$54.82<sup>26</sup> and a variable charge of \$0.0350/kWh. Table 15 shows the total bill impacts for all 8 years of the phase-in under this scenario.

**Table 15**  
**Impacts on Seasonal-R2 customers of 8 Year Phase-in**

Monthly Consumption (kWh)	2021 Change in Total Bill		2022 Change in Total Bill		2023 Change in Total Bill		2024 Change in Total Bill		2025 Change in Total Bill		2026 Change in Total Bill		2027 Change in Total Bill		2028 Change in Total Bill	
	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
50	9.33	16.6%	10.49	16.0%	10.48	13.8%	10.49	12.1%	10.84	11.2%	10.84	10.1%	10.83	9.1%	10.84	8.4%
350	3.18	2.9%	7.72	9.4%	7.74	8.8%	7.72	8.3%	10.14	8.1%	10.18	7.5%	10.13	7.0%	10.14	6.6%
1,000	-10.15	-4.6%	1.71	5.0%	1.81	4.9%	1.71	4.9%	8.64	5.0%	8.75	4.8%	8.63	4.6%	8.64	4.5%

As shown in Table 15, this variation of the phase-in approach will result in seasonal customers with medium and high monthly consumption levels experiencing total bill impacts below 10% for each of the phase-in year. Although the impact on low volume seasonal customers' monthly bill is typically more than 10%, the dollar impact is not significantly more than what the average seasonal customer will experience over most years of the 2021 to 2028 period.

Option 2B does still result in the year-round residential R2 customers paying increased variable rates that would be required to offset the lower fixed charge collected from seasonal customers over the phase-in period. However, the shorter phase-in period reduces the burden on year-round residential R2 customers and puts some of that burden on seasonal-R2 customers.

#### 4.3.4 Impact Mitigation Recommendation

If the Seasonal Class is to be eliminated as contemplated by the March 2015 Decision, Hydro One would propose the following impact mitigation plan:

- Adopt mitigation Option 1, which is to have all seasonal-R2 customers pay the same rates as other R2 class customers starting in 2021 and provide a monthly credit to limit seasonal-R2 total bill impacts to 10% per year taking into account all distribution rate changes.
- Provide the same credit for all seasonal-R2 customers within specified consumption bands based on each individual customer's average monthly consumption in the prior year.
- Track the mitigation credits paid to seasonal-R2 customers in a variance account for annual disposition to all classes.

<sup>26</sup> 1/8<sup>th</sup> of the way from \$44.39 to \$127.81.

- Allocate the credit variance account balance across all classes based on the class share of total revenue requirement for disposition via a monthly fixed rider for each residential class and a combined fixed and variable rider for all other rate classes.

## 5 ALTERNATE APPROACH TO ELIMINATION OF THE SEASONAL CLASS

### 5.1 Issues for Consideration by the Board

In detailing the impacts associated with eliminating the Seasonal Class as contemplated by the March 2015 Decision (and discussed in Section 4), Hydro One has identified a number of issues that merit consideration by the Board panel in this proceeding. Those issues are as follows:

- The Board policy on moving to all-fixed residential distribution rates was not finalized at the time of the March 2015 Decision in EB-2013-0416. As a result, the large negative impacts on a majority of seasonal customers that come from adopting this policy in conjunction with the elimination of the Seasonal Class were not explored during the proceeding.
- As noted on page 48 of the March 2015 Decision, a key consideration in deciding to eliminate the Seasonal Class was that low consumption seasonal customers are not paying the full cost of the service they receive.<sup>27</sup> As shown in Tables 9 and 10, the Board policy to move to an all-fixed rate for the Seasonal Class fully addresses this concern.
- The existing Seasonal Class has distinctly different load characteristics from the year-round residential classes, which appropriately impacts the costs allocated to this class. While there is some cross-subsidization of costs within the Seasonal Class, as there is within all customer classes, Hydro One notes that the density factor currently used to allocate costs to the Seasonal Class is a blended value that accounts for seasonal customers being located in *both* low and medium density areas. Therefore, as a group, the Seasonal Class pays its fair share of density-based costs. This addresses the concern regarding cost causality that was also noted on page 48 of the March 2015 Decision.
- During stakeholdering, some participants noted that total bill increases of the magnitude driven by the elimination of the Seasonal Class combined with the move to all-fixed residential rates raises customer affordability issues, which could possibly lead to customers choosing to disconnect from the grid. This would result in the stranding of distribution assets and negatively impact all remaining grid-connected customers.

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<sup>27</sup> This issue was raised by the Balsam Lake Coalition.

- Hydro One is not the only utility with a seasonal customer class<sup>28</sup>, and so the elimination of the Seasonal Class for Hydro One results in inconsistent treatment among utilities.
- The elimination of the Seasonal Class using the approach discussed in Section 4 will require significant time and resources related to the initial implementation of the rate class changes, the cost and ongoing monitoring required for administering mitigation credits, as well as the need for regulatory exemptions to DSC billing requirements.

In addition to the issues raised above, a critically important consideration for the Board panel in this proceeding is what the elimination of the Seasonal Class, as contemplated by the March 2015 Decision, will mean to customers' bills. Table 10 of this report very clearly illustrates that, given the move to all-fixed residential rates, the additional impacts resulting from eliminating the Seasonal Class result in only a minimal end-state benefit of about a \$7 bill reduction for roughly 70,000 seasonal customers that would move to the R1 residential class, while resulting in a significant negative impact of about a \$67 bill increase for roughly 78,000 seasonal customers that would move to the R2 residential class. Table 7 illustrates that the elimination of the Seasonal Class also does not provide a material benefit to the monthly bills of Hydro One's other rate classes.

## 5.2 Alternate Approach

In light of the information above, and given the Board's invitation in its letter of September 20, 2018, Hydro One's recommended alternate approach to eliminating the Seasonal Class is presented below.

Hydro One recommends that seasonal customers remain together as a group but that their distribution charges be capped at the equivalent all-fixed distribution rate immediately upon implementation in 2021. As necessary, a credit would be provided on seasonal customer bills to cap the sum of their monthly fixed and variable distribution charges, as calculated and approved under EB-2017-0049<sup>29</sup>, to an amount no greater than their equivalent all-fixed monthly rate. The cost of the credits will be tracked in a deferral account for recovery at a future rates proceeding.

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<sup>28</sup> Veridian/Gravenhurst and Algoma Power both have a Seasonal rate class.

<sup>29</sup> This would also apply to the fixed and volumetric charges calculated and approved in future rate applications until such time as the Seasonal rates would normally move to all-fixed rates.



Given the small number of seasonal customers (245) that are located in urban density zones, and the more significant benefits they would see as a result of eliminating the Seasonal Class as originally contemplated by the March 2015 Decision, Hydro One recommends that those customers be reclassified to the UR class on implementation.

Table 16 shows the distribution bill impacts of capping the distribution charges for all seasonal customers at equivalent all-fixed distribution rates in 2021. Under Hydro One's recommended approach, low-volume seasonal customers will see no incremental bill impact between the 2021 Status Quo and 2021 capped all-fixed Seasonal rates, while the high volume seasonal customers will see an incremental reduction of 14.2% (17.7% - 3.5%) as a result of adopting Hydro One's recommendation.

**Table 16**  
**Impacts of Capping Distribution Charges of Seasonal Customers at Equivalent All-Fixed Rates**

Monthly Consumption (kWh)	2020 Total Bill (\$)	2021 Status Quo		2021 Seasonal Capped at Equivalent All-Fixed Rates	
		Change in Total Bill (\$)	Change in Total Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)
50	\$56.13	\$5.31	9.5%	\$5.31	9.5%
350	\$108.10	\$1.22	1.1%	-\$0.54	-0.5%
1,000	\$220.69	-\$7.65	-3.5%	-\$39.10	-17.7%

Table 17 provides the estimated mitigation credits that would be required from 2021 to 2023 if seasonal customers' distribution fixed and volumetric charges are capped at the equivalent all-fixed distribution charge starting in 2021. The annual mitigation credit amounts decline over time and become zero in 2024 when the transition to all-fixed distribution rates would normally have been completed. Customers that consume less than 315 kWh per month require no mitigation credits as their fixed and volumetric charges already fall below the equivalent all-fixed distribution charge. The total mitigation credit required in 2021, 2022 and 2023 is about \$30 million.

**Table 17**  
**Estimated Mitigation Credit to Cap Distribution Charges of the Seasonal Customers at Equivalent 2021 All-Fixed Rates**

Consumption Groups	% of Customers in each consumption group	Number of Customers (2021)	2021 Monthly Credit Amount per Customer	2021 Annual Credit Amount (\$)	Number of Customers (2022)	2022 Monthly Credit Amount per Customer	2022 Annual Credit Amount (\$)	Number of Customers (2023)	2023 Monthly Credit Amount per Customer	2023 Annual Credit Amount (\$)
0-200	53%	78,864	\$0	\$0	79,013	\$0	\$0	79,013	\$0	\$0
201-300	12%	17,968	\$0	\$0	18,002	\$0	\$0	18,002	\$0	\$0
301-400	7%	11,017	\$1.68	\$221,446	11,038	\$1.24	\$164,246	11,038	\$0.61	\$81,461
401-500	5%	7,766	\$6.03	\$561,508	7,781	\$4.22	\$394,031	7,781	\$2.11	\$196,549
501-600	4%	5,958	\$10.38	\$741,748	5,969	\$7.20	\$515,727	5,969	\$3.60	\$257,505
601-700	3%	4,639	\$14.73	\$819,669	4,648	\$10.18	\$567,741	4,648	\$5.08	\$283,591
701-800	3%	3,791	\$19.08	\$867,768	3,798	\$13.16	\$599,810	3,798	\$6.58	\$299,677
801-1,000	4%	5,576	\$25.60	\$1,713,051	5,587	\$17.63	\$1,181,958	5,587	\$8.81	\$590,644
1,001-1,200	3%	3,804	\$34.30	\$1,565,712	3,811	\$23.59	\$1,078,859	3,811	\$11.79	\$539,201
1,201-1,500	2%	3,552	\$45.18	\$1,925,546	3,559	\$31.04	\$1,325,551	3,559	\$15.52	\$662,562
1,501-2,000	2%	2,906	\$62.58	\$2,182,134	2,912	\$42.96	\$1,500,942	2,912	\$21.48	\$750,297
2,001-3,000	1%	1,895	\$95.20	\$2,164,980	1,899	\$65.31	\$1,488,044	1,899	\$32.65	\$743,908
3,001-4,000	0%	530	\$138.70	\$882,798	531	\$95.11	\$606,499	531	\$47.55	\$303,218
4,001-5,000	0%	200	\$182.20	\$438,153	201	\$124.91	\$300,950	201	\$62.45	\$150,463
5,001-7,000	0%	121	\$247.45	\$358,023	121	\$169.61	\$245,864	121	\$84.80	\$122,925
>7,000	0%	69	\$399.70	\$328,710	69	\$273.91	\$225,686	69	\$136.95	\$112,839
<b>Total</b>		<b>148,656</b>		<b>\$14,771,246</b>	<b>148,937</b>		<b>\$10,195,908</b>	<b>148,937</b>		<b>\$5,094,839</b>

In summary, Hydro One sees a number of benefits to its recommended alternate approach:

- It provides significant reductions to the total bill of high volume seasonal customers, with no negative impacts on low volume seasonal customers beyond what they will experience as a result of the move to all-fixed rates that is currently underway.
- It avoids the very large negative impacts to the ~78,000 seasonal customers that would move to the R2 residential class under the approach contemplated by the March 2015 Decision.
- It provides benefits similar to what the ~70,000 seasonal customers moving to the R1 residential class would get under the approach contemplated by the March 2015 Decision.
- It keeps seasonal customers together as a group which allows them to benefit from a lower allocated cost-to-serve consistent with cost causality principles and the cost allocation methodology approved by the Board for Hydro One.
- It is consistent with existing RRRP and Fair Hydro Plan DRP regulations that exclude seasonal customers from receiving those subsidies, thereby requiring that Hydro One continue to identify them as a distinctly separate group.

- It avoids a likely increase in customer confusion and customer complaints<sup>30</sup> under the approach contemplated by the March 2015 Decision resulting from “seasonal” customers paying significantly different rates than other customers within the “same” R1 and R2 residential classes.
- It can be implemented relatively easily, with minimal expense and with no impact on the currently approved base distribution rates of other rate classes.
- It significantly reduces the cost of bill impact mitigation from \$209M under the approach contemplated by the March 2015 Decision to \$30M, which will result in significantly smaller riders to be collected from customers in the future.<sup>31</sup>

Hydro One’s recommended alternate approach provides the benefits noted above while addressing the concerns identified in the March 2015 Decision, which were the disparity in costs paid by high and low volume seasonal customers and ensuring that seasonal customers’ rates reflect cost causality.

Hydro One’s alternate approach is also significantly easier to implement given that capping seasonal customer distribution charges and tracking the mitigation credits would work in a fashion similar to the current DRP implementation. As such, the necessary changes to the billing system are well understood and would be relatively easy to implement.

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<sup>30</sup> Hydro One is aware that a common seasonal customer complaint is that they “are treated differently than their neighbour”. Given the RRRP and DRP regulations, these complaints will likely be magnified given customer expectations around the “elimination” of the Seasonal class.

<sup>31</sup> The higher mitigation cost of \$209M if the Seasonal Class is eliminated results from the fact that seasonal-R2 customers would be expected to pay a significantly greater share of revenues, thereby decreasing the revenue collected from all other classes. However, Hydro One would not be able to collect the higher revenues from the seasonal-R2 customers because of the need to limit total bill increases to 10%. As a consequence, the decrease in revenues collected from all other classes would be largely funded through the mitigation credit instead of higher seasonal-R2 revenues. Hydro One’s alternate approach does not impact any other classes, and so the \$30M mitigation is only associated with offsetting the revenue collected from the higher-volume seasonal customers at capped distribution rates.

## 6 RRRP and DRP ELIGIBILITY

### **Rural and Remote Electricity Rate Protection (RRRP)**

The Rural and Remote Electricity Rate Protection (RRRP) program provides a rate protection subsidy that reduces the electricity bills for Hydro One Networks Inc.'s rural year-round residential customers (i.e. Low Density - R2 class), as well as reducing the bills for customers of Hydro One Remote Communities Inc. and Algoma Power.

The rate protection program was formerly known as the Rural Rate Assistance (RRA) program and was administered by Ontario Hydro starting in 1982 as set out in Section 108 of the *Power Corporation Act*. The RRA program was introduced to subsidize the higher cost of providing electrical service to year-round residential and farm customers in rural Ontario. Seasonal customers and General Service customers have never been eligible for the RRA/RRRP subsidy.

Under Section 90a of the *Power Corporation Act*, rural residential premises eligible for RRA were defined as:

*(1)(d) “rural residential premises means premises that are supplied, either individually or in conjunction with a farm, with power by the Corporation under this Part and the Corporation decides are used for residential purposes on a year-round basis”*

When the RRA program was replaced by Regulation 442/01 made under the *Ontario Energy Board Act, 1998*, the definition of a residential premise was modified to provide additional clarity around “year-round”, as follows:

*“residential premises” means a dwelling occupied as a residence continuously for at least eight months of the year and, where the residential premises is located on a farm, includes other farm premises associated with the residential electricity meter*

The definition of residential customers eligible to receive RRRP under Regulation 442/01 is very clearly intended to exclude some customers. Consistent with the original intent of the RRA program, and the fact that RRRP was a continuation of that program, Hydro One believes that the requirement for eight months of continuous occupation is intended to exclude seasonal customers from receiving the RRRP subsidy.

Hydro One's eligibility criteria for being classified as a year-round residential customer (and therefore eligible for RRRP) are tied to confirming that the property to which distribution service is being provided is a primary, year-round, residence and not an intermittently occupied seasonal property. This same primary residence approach is used

by Algoma, Veridian and Nova Scotia Power for distinguishing customers in their Seasonal rate classes.

In EB-2013-0416, Hydro One had proposed to move a subset of high-volume seasonal customers to the year-round residential classes. Although it was admittedly inconsistent with the definition under Regulation 442/01, Hydro One further proposed, for practical reasons, that the relatively small number of high-volume seasonal customers moving to the R2 class would receive the RRRP subsidy.

As noted in the March 2015 Decision at page 47, “Intervenors who addressed this issue and OEB staff all argued that Hydro One could not avoid satisfying the residency criteria in the regulation, and that seasonal customers moving to the R2 class would have to satisfy those criteria or not receive RRRP”. As a result, the Board found, at page 48 of their Decision, that: “The OEB agrees with the submissions of OEB staff and others that Hydro One cannot apply the RRRP subsidy to new entrants to the R2 class without determining their residency status in accordance with Regulation 442/01.”

### **Distribution Rate Protection (DRP)**

The Ontario government introduced the Fair Hydro Plan in 2017. As part of that plan, the government approved Ontario Regulation 198/17 for Distribution Rate Protected Residential Customers (DRP).

The DRP regulation caps the base distribution charges that can be levied on rural residential customers of eight specific LDCs.<sup>32</sup> Section 2.1.3 of the DRP regulation states that the DRP protection applies to a Hydro One customer in the R1 and R2 residential classes if he or she resides continuously at the service address to which the account relates for at least eight months of the year. The definition of customers eligible for DRP protection mirrors the definition used in the RRRP regulation.

### **Hydro One Year-round Residential Criteria**

Hydro One expects that any seasonal customer that meets the year-round residential criteria will self-identify as such given this is part of the normal on-going process available to customers. Therefore, Hydro One’s analysis in Section 4 of the report assumes that all customers currently in the Seasonal Class are not eligible for the RRRP subsidy if they move to the R2 residential class, or the DRP if they move to either the R1 or R2 classes.

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<sup>32</sup> Algoma, Atikokan, Hydro One R1 and R2, Chapleau, InnPower, Lakeland Power (Parry Sound service area), Northern Ontario Wires, Sioux Lookout.

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As part of implementing any changes to the Seasonal Class, Hydro One will remind all seasonal customers of its year-round residential criteria and request that they submit a completed declaration form and supporting material if they believe they qualify for year-round residential status.

To be categorized as a Hydro One year-round residential customer, all the following criteria must be met:

- (i) Occupant represents and warrants to Hydro One 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's Rate classification;
- (ii) The Customer must live in this residence for at least four (4) days of the week for eight (8) months of the year and the Customer does not reside anywhere else for more than three (3) days a week during eight (8) months of the year;
- (iii) The address of this residence must appear on the Customer's documents such as driver's licence, the Customer's mailing address on the Customer's electricity bill, credit card invoices, property tax bill, etc.; and
- (iv) Customers who are eligible to vote in Provincial or Federal elections must be enumerated for voting purposes at the address of this residence.

## **7 METER READING AND BILLING OF SEASONAL CUSTOMERS**

In the March 2015 Decision, Hydro One was asked to examine billing frequency and, by implication, meter reading frequency, for consideration as part of eliminating the Seasonal Class. This section of the report presents and assesses options that address these issues.

### **7.1 Background**

#### **7.1.1 Meter reading**

Prior to 1998, seasonal meters were read manually once per year and billed twice per year. Today, Hydro One relies on both manual and automated meter reading for billing its seasonal customers. As of November 2018, 15% of seasonal meters were read manually and 85% were read automatically through Hydro One's smart meter system. Manually read meters are read once per year and billed quarterly, and automatically read meters are read daily and billed quarterly.

The challenges and costs of reading seasonal meters are somewhat unique to the class, while billing-related costs are similar to those for residential customers.

The average cost of a scheduled manual meter reading for seasonal customers is approximately \$57/per read, and higher to perform an unscheduled manual reading. This cost is driven by the longer drive times between the fewer locations requiring manual meter reads.

Accessibility issues are the primary challenge associated with manually reading seasonal meters including their geographic locations, poorly maintained access roads, unplowed roads in the winter, "water access only" cottages, inside meters, hard-to-access historical meter base locations, and locked road gates.

The incremental cost of an automated meter reading, assuming the infrastructure is in place and meters are communicating reliably, is minimal. However, there are numerous challenges associated with performing automated reads for seasonal customers:

- Private commercial cellular coverage, the backbone of the smart meter network's Wide Area Network (WAN), is not ubiquitous across Hydro One's service territory and therefore connectivity is not possible in many low-density areas;
- Extremely low customer density in many parts of the service territory makes it cost prohibitive to enable the meters to communicate reliably enough for time-of-use (TOU) billing given current technology;

- The extreme rugged nature and topography of many parts of Hydro One's service territory (hills, valleys, Canadian Shield) can block and/or absorb Radio Frequency (RF) signals affecting signal strength and range; and
- Extensive tree coverage across many parts of Hydro One's service territory impacts signal strength and range depending on type of vegetation, season, and other environmental factors. As examples, wet trees absorb RF energy more than dry trees, coniferous trees absorb more than deciduous trees and snow on coniferous trees in winter will also absorb signals. These variations in absorption make the network reliability susceptible to changes in seasons and conditions; especially in sparsely populated areas that are typically heavily forested.

These issues are a significant challenge and Hydro One's efforts in overcoming these challenges have been recognized by the North American utility industry. Nevertheless, for the above stated reasons, it is not possible to economically connect some meters to the smart meter network, and in other cases, it is not possible to increase their communication reliability to the level needed for regular and dependable TOU billing.

In recognition of these issues, the Board granted Hydro One a TOU exemption for 170,000 customers that came into effect on March 26, 2015 and is in place until December 31, 2019.<sup>33</sup> Hydro One will be requesting the OEB for an extension to this exemption.

### **7.1.2 Billing**

The costs of producing and issuing a customer bill, as noted previously, are similar across customer classes. There are two billing options available to customers: a paper-based bill or an electronic bill (e-bill).

The cost of issuing a paper bill is approximately \$1.10 per bill which includes paper stock, envelopes, handling, and postage. The cost of issuing an e-bill is significantly lower at approximately \$0.33 per bill for Canada Post "e-post" transactions and about \$0.12 per bill for customers who have enrolled in Hydro One's own e-billing service that was implemented in 2017. The new service has eliminated the need for customers to enroll with a separate vendor (identified as a customer dis-satisfier), and increased customer choice through the provision of several enhanced capabilities including bill notification and payment alerts, mobile e-bill presentation, and electronic bill inserts.

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<sup>33</sup> As of the end of 2018 there are still about 110,000 smart meters that cannot reliably connect with the communications network and require TOU exemption.



Currently, 21% of Hydro One's seasonal customers participate in electronic billing through either e-post (15%) or e-bill (6%).

## 7.2 Billing and Meter Reading Options

Three billing and meter reading frequency options were identified consistent with the March 2015 Decision. These options were assessed based on the criteria of fairness, minimizing the costs of the reclassification, and minimizing the overall costs of billing and meter reading while meeting customer needs. In addition, a fourth "Option D" has been identified to align with Hydro One's recommended alternate approach to eliminating the Seasonal Class.

These options are presented and assessed below.

### 7.2.1 Option A: Maintain Existing Frequencies Upon Customer Reclassification

Option A maintains the status quo for meter reading and billing seasonal customers upon reclassifying them to the appropriate residential density-based rate class. Automatically read meters would continue to be read daily and billed quarterly. Manually read meters would continue to be read once per year and billed quarterly. Customers with manually read meters that are TOU exempt would continue to have the option of performing and submitting self-readings to eliminate the need for estimated bills. The key advantages and disadvantages of Option A are summarized in Table 18.

**Table 18**  
**Advantages and disadvantages of Option A**

<b>Option A: Maintain Existing Seasonal Billing and Meter Reading Frequencies Upon Customer Reclassification</b>	
Change in Billing and Meter Reading Costs: \$0	
<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"> <li>• Maintains current seasonal bill and meter reading frequencies which have not been identified as significant dis-satisfiers by customers</li> <li>• Minimizes customer disruption of moving to different meter and billing frequencies</li> <li>• Maintains billing and meter</li> </ul>	<ul style="list-style-type: none"> <li>• Seasonal customers in the same residential classes are treated differently with respect to billing and meter reading frequencies</li> <li>• Difficult to rationalize and communicate different levels of meter reading and billing frequency to customers in the same class.</li> <li>• Would require an OEB exemption from DSC sections 2.6.1A, 2.10.1 and 7.11.1 related to monthly billing and estimated</li> </ul>

reading costs at current levels <ul style="list-style-type: none"> <li>Provides customers with options where estimated bills are an issue.</li> </ul>	reads, as these would no longer be “Seasonal Class” customers.
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### 7.2.2 Option B: Adopt Residential Billing and Meter Reading Frequencies

Option B adopts the billing and meter reading frequencies of the existing residential classes upon reclassification. Automatically read meters would be read daily and billed monthly. Manually read meters would be read quarterly and billed monthly. Customers with manually read meters that are TOU exempt would continue to have the option of performing and submitting self-readings to eliminate the need for estimated bills. The key advantages and disadvantages of Option B are summarized in Table 19.

**Table 19**  
**Advantages and disadvantages of Option B**

<b>Option B: Adopt Residential Billing and Meter Reading Frequencies</b>	
Change in Billing and Meter Reading Costs: \$ Increase ~ \$4.7M	
<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"> <li>High consumption seasonal customers likely to view increased billing and meter reading frequencies as a positive given alignment with their residential usage</li> <li>All customers within the residential class (who pay the same delivery rates) are provided with the same level of billing and meter reading frequency.</li> </ul>	<ul style="list-style-type: none"> <li>Low consumption seasonal customers and/or those whose consumption is confined to summer months may view increased bill and meter reading frequency negatively, as unnecessary, and a waste of resources.</li> <li>Significant increase in unplanned estimated bills due to accessibility issues of many seasonal meters during the winter and early spring months</li> <li>Total billing and meter reading costs would increase by 260%</li> <li>Increases in call and exception handling costs as bill volume is a key driver of calls and exception handling</li> </ul>

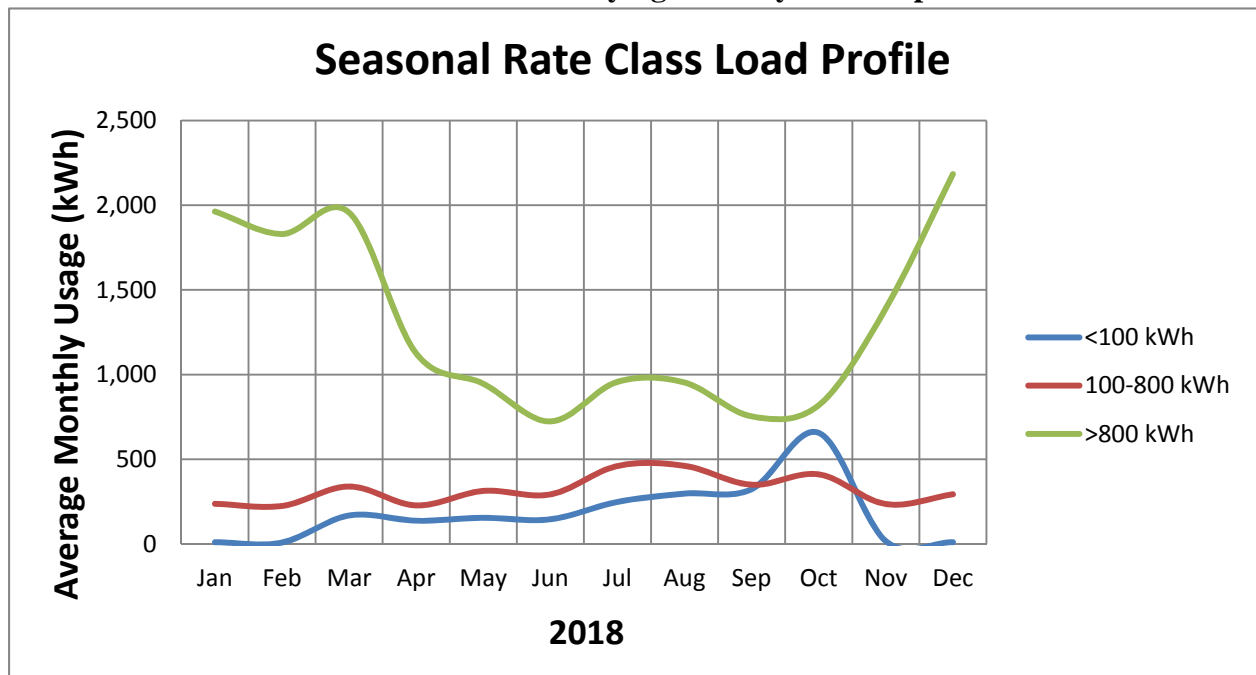
### 7.2.3 Option C: Adopt Usage-Based Billing and Meter Reading Frequencies

Option C adopts billing and meter reading frequencies based on seasonal customer usage level and patterns, meter reading method (manual vs. automated), and billing method

(paper bills vs. electronic bills). Promoting and consideration of electronic billing was identified by stakeholders as an opportunity associated with seasonal customer reclassification.

Considering average monthly consumption and annual usage patterns in Figure 2, three seasonal customer sub-segments were identified: 1) high usage (> 800 kWh/month); 2) medium usage (100-800 kWh/month); and 3) low usage (less than 100 kWh/month).

**Figure 2**  
**Seasonal Class Profiles for Varying Monthly Consumption**



The characteristics and proposed billing and meter reading frequencies for each of these sub-segments are presented below.

### 1) Seasonal High Usage Sub-Segment (>800 kWh)

Approximately 10% of seasonal customers are in the high usage sub-segment. Annual electricity consumption for these customers is similar to the average year-round consumption for residential customers (800 kWh/month), their load profile is similar to year-round residential customers without air conditioning (higher usage in colder months and lower usage in the warmer months), and electrical load is present through the entire year without prolonged periods of zero usage. Approximately 2,300 of these meters are read manually or have unreliable automated meter readings.

Given the above characteristics of these customers, and given the guiding principles identified previously, it is proposed that:

- Manual meter reading frequency be increased from once per year to four times per year (the same as manually read residential meters) to more closely align usage patterns and billing;
- Customers with manually and automatically read meters be provided with the opportunity to move to the residential billing frequency (monthly) if enrolled in electronic billing;
- Manually read TOU exempt customers continue to be provided the opportunity to perform and submit “self reads” to minimize estimated bills; and
- Customers remaining on paper-based bills continue to be billed at their existing seasonal frequencies (quarterly).

This proposal recognizes the similarities in load profiles between high usage seasonal and residential customers by increasing manual meter reading frequency to residential levels, and provides customer choice to more closely align usage and billing frequency through electronic billing. The incremental cost of increased meter reading frequency for manually read customers is approximately \$394k and the savings associated with electronic billing, depending on uptake, is up to \$52k.

## **2) Seasonal Medium Usage Sub-Segment Scenario (100-800kWh)**

Approximately 54% of seasonal customers are in the medium usage sub-segment. Annual electricity consumption for these customers is lower than average year-round residential customers and their load profile is also different with usage climbing from May/June, peaking in July/August, and dropping in September/October to a base winter level. This sub-segment has load present throughout the entire year (although at low levels) without any prolonged periods of zero usage. Approximately 9,000 of these meters are read manually or have unreliable automated meter readings.

Given the above characteristics of these customers, and given the guiding principles identified previously, it is proposed that:

- Manual meter reading frequencies remain the same at once per year;
- Customers with manually or automatically read meters be provided the choice of moving to more frequent residential billing if enrolled in electronic billing;

- Customers with manually read meters that are TOU exempt continue to be provided the opportunity to perform and submit “self-readings” to minimize estimated bills.
- Customers remaining on paper-based bills continue to be billed at their existing seasonal frequencies (quarterly).

This proposal provides customers with choice in more frequent billing if desired while minimizing billing costs. The incremental savings of electronic billing, depending on uptake, is up to \$312K.

### **3) Seasonal Low Usage Sub-Segment Scenario (<100kWh)**

Approximately 35% of seasonal customers are in the low usage sub-segment, for which electricity consumption is much lower than average year-round residential customers.

While the load profile is somewhat similar to medium usage seasonal customers, the peak usage in July/August period is significantly less at 150 kWh/month (vs nearly 500 kWh for medium usage customers) and the usage drops dramatically to almost zero consumption at the base winter level (compared to 300 kWh for the medium use category). In this sub-segment, unlike residential consumers, there are prolonged periods of zero consumption during the winter months. Approximately 9,800 of these meters are read manually or have unreliable automated meter readings.

Given the above characteristics of these customers, and given the guiding principles identified previously, it is proposed that:

- Manually read meters continue to be read once per year but paper-based billing frequency be reduced from quarterly to semi-annually (pre-1998 levels);
- Customers with manually read meters that are TOU exempt continue to be provided the opportunity to perform and submit “self-readings” to minimize estimated bills;
- Customers with manually or automatically read meters have the choice of moving to more frequent monthly billing if enrolled in electronic billing.

This proposal aims to meet the billing needs of traditional low usage summer peaking seasonal customers and manage costs. It also provides customers with the option of more frequent billing if desired through enrolling in electronic billing. The incremental savings of reducing billing frequency from quarterly to semi-annually is approximately \$113k and the incremental savings of electronic billing, depending on uptake, is up to

approximately \$12k. The key advantages and disadvantages of Option C are summarized in Table 20.

**Table 20**  
**Advantages and disadvantages of Option C**

<b>Option C: Usage Based Meter Reading and Billing Frequencies</b>	
Change in Billing and Meter Reading Costs (Savings): (~\$95k) depending on e-billing Uptake	
<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"> <li>Enhances customer service by providing the opportunity for more frequent billing for both manually and automatically read customers</li> <li>Increases meter reading frequency for manually read high use customers with load profiles similar to residential class, better aligning usage and billing.</li> <li>Reduces overall billing and meter reading costs by up to approximately \$95k depending on electronic billing uptake.</li> <li>Encourages use of more environmentally friendly and low cost electronic billing.</li> <li>Maintains the status quo for billing and meter reading frequencies for most customers even without the move to electronic billing.</li> <li>Recognizes the different wants and needs of sub-segments of the seasonal customer group.</li> </ul>	<ul style="list-style-type: none"> <li>Has significant implementation and ongoing administrative costs related to complexity and requirement to annually review and monitor seasonal consumption levels, and resulting annual changes to customer billing and meter reading frequencies that would likely lead to customer dissatisfaction</li> <li>Reduces paper-based billing frequency to low use customers.</li> <li>Upon reclassification, provides different levels of billing and meter reading service between customers in the same class paying the same delivery rate.</li> <li>Requires customer action (i.e., enrolling in e-billing) to increase billing frequency.</li> <li>Would require an OEB exemption from DSC sections 2.6.1A, 2.10.1 and 7.11.1 related to monthly billing estimated reads, as these would no longer be “Seasonal Class” customers.</li> </ul>

#### **7.2.4 Option D: Maintain Seasonal Class Meter Reading and Billing Frequencies**

To align with the recommended alternate approach of keeping seasonal customers together as a group and moving the Seasonal Class to all-fixed distribution rates starting

in 2021, Option D would maintain the existing billing and meter reading frequency for seasonal customers. However, recognizing the reduced costs of automated meter reading and e-billing, Hydro One would offer to increase frequencies for seasonal customers whose meters are automatically read and who enroll in our e-billing service. Customers with manually read meters that are TOU exempt would continue to have the option of performing and submitting self-readings to eliminate the need for estimated bills. The key advantages and disadvantages of Option D are summarized in Table 21.

**Table 21**  
**Advantages and Disadvantages of Option D**

<i><b>Option D: Maintain Seasonal Class Meter Reading and Billing Frequencies</b></i>	
Change in Billing and Meter Reading Costs (Savings): \$0	
<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"> <li>• Maintains current seasonal bill and meter reading frequencies which have not been identified as significant dis-satisfiers</li> <li>• Minimizes customer disruption of moving to different meter and billing frequencies</li> <li>• Maintains billing and meter reading costs at current levels</li> <li>• Hydro One would continue to promote its e-billing service encouraging use of more environmentally friendly and low-cost electronic billing.</li> </ul>	<ul style="list-style-type: none"> <li>• No further DSC exemptions or revisions to H1 Conditions of Service required</li> </ul>

### **7.3 Summary of Billing and Meter Reading Frequency Options and Recommendation**

Table 22 presents a summary of the key characteristics of the four options identified and assessed.

**Table 22**  
**Summary of meter reading and billing frequency options**

	Meter Reading Frequency				Billing Frequency				Cost (Savings**)
	Automatic		Manual*		Automatic		Manual		(\$)
<b>Option A: Adopt Seasonal Levels</b>	4/yr		1/yr		4/yr		4/year		0
<b>Option B: Adopt Residential Class Levels</b>	12/yr		4/yr		12/yr		12/yr		~4.7M
<b>Option C: Adopt Usage Based Levels</b>	<b>Paper</b>	<b>E-Bill</b>	<b>Paper</b>	<b>E-Bill</b>	<b>Paper</b>	<b>E-Bill</b>	<b>Paper</b>	<b>E-Bill</b>	
<b>High Usage</b>	4/yr	12/yr	4/yr	4/yr	4/yr	12/yr	4/yr	12/yr	~342k
<b>Medium Usage</b>	4/yr	12/yr	1/yr	1/yr	4/yr	12/yr	4/yr	12/yr	(~312k)
<b>Low Usage</b>	4/yr	12/yr	1/yr	1/yr	4/yr	12/yr	2/yr	12/yr	(~125k)
<b>Option D: Capped Rates - Maintain Existing Seasonal Levels</b>	4/yr		1/yr		4/yr		4/yr		0

\* Customers with manually read TOU exempt meters can provide self-reads under any proposal to eliminate the need for estimated bills.

\*\* Savings estimates for Options B and C based on maximum (100%) e-billing uptake

Option A, while having the advantages of maintaining meter reading costs and creating no disruption to customers associated with changes to meter reading and billing frequencies, does not recognize variability in usage within the Seasonal Class, resulting in high usage customers with identical characteristics to other customers in the same residential class and paying the same delivery rates, having lower levels of billing and meter reading service.

Option B, while having the advantage of increased billing frequency for all seasonal customers, is the highest cost option at approximately \$4.7M. It also does not recognize variability in usage within the Seasonal Class, resulting in very low usage summer peaking customers with extended periods of zero consumption being provided billing and meter reading service that likely exceeds their expectations and needs.



Option C is designed to align billing needs and usage characteristics. It provides customer choice for more frequent billing and the opportunity for savings through more environmentally friendly and convenient e-billing. While paper-based billing frequency for very low usage customers is proposed to be reduced from quarterly to semi-annually (former 1998 levels), customers have the option of moving to monthly billing if desired. Manual meter reading frequency will increase to residential (quarterly) frequency for the high usage sub-segment while the medium and low usage sub-segments will remain at current levels. Customers always have the opportunity to increase meter readings through self-reads to minimize estimated bills. Option C is complex and has significant implementation and ongoing administration costs.

Option D avoids customer disruption related to billing and meter reading, which have not been identified as a significant customer satisfaction issue for the majority of seasonal customer. Those seasonal customers that would like to receive more frequent bills can do so through enrolment in electronic billing. This option has the additional benefit that it significantly reduces implementation and maintenance complexity, eliminates the administrative burden of annual monitoring and maintenance, and avoids the shifting between different service bundles for customers whose consumption materially changes from year to year.

If the Seasonal Class is eliminated as contemplated by the March 2015 Decision, Option C is proposed as it best balances the criteria of fairness, and minimizes overall billing and meter reading costs while meeting customer needs. Selection of this option would, however, require Hydro One to seek OEB exemption to the DSC requirements in sections 2.6.1A, 2.10.1 and 7.11.1 related to monthly billing and the use of estimated reads for a significant number of seasonal customers in the UR, R1 and R2 residential classes.

Option D is recommended to best align with Hydro One's alternate approach to eliminating the Seasonal Class. This option avoids customer disruption and potential confusion, and minimizes implementation, billing and meter reading costs, while continuing to meet customer needs.

## **8 CONDITIONS OF SERVICE CONSIDERATIONS**

Elimination of the Seasonal rate class as contemplated by the March 2015 Decision would require Hydro One to make a number of changes to its Conditions of Service. Most of these would be administrative in nature, reflecting the elimination of the Seasonal Class and the addition of a new billing frequency.

Section 3.1 of the conditions of service, which covers the definitions of Hydro One's rate classes consistent with the approved rate schedules, would need to be revised to reflect the elimination of the Seasonal Class and that the residential rate classification will now consist of two sub-categories of residential service: year round and seasonal.

## 9 IMPLEMENTATION

The elimination of the Seasonal Class as contemplated by the March 2015 Decision entails a large number of billing, metering reading, communications, CIS and business process changes. It is estimated that the cost to implement these changes would be in the range of \$3M - \$4M.

Eliminating the Seasonal Class and implementing the proposed mitigation plan would require extensive efforts associated with the following:

- Confirming the density classification of all seasonal customers and making the required changes in CIS to move all seasonal customers to the UR, R1 and R2 residential classes.
- Modifying CIS to identify the sub-categories of year round and seasonal residences within the UR, R1 and R2 rate classifications for purpose of mitigation and administration of RRRP and DRP requirements.
- Annual monitoring to determine the prior year's consumption for seasonal-R2 customers for the purposes of establishing credit eligibility and credit amounts, and for all seasonal customers for establishing billing and meter reading frequencies.
- Administering the mitigation credit (e.g. updating the billing system annually to identify which customers get the credit and updating applicable credit amounts, responding to customer inquiries).
- Tracking and annual disposition of the mitigation credit variance account.
- Developing and implementing a customer communications plan about the changes to rates and billing practices for seasonal customers.
- Applying for exemption from Distribution System Code requirements related to monthly billing and the use of estimated reads for "seasonal" customers classified in Hydro One's UR, R1 and R2 residential classes.

The elimination of the Seasonal Class as contemplated by the March 2015 Decision represents a significant change to Hydro One's rate class structure that will impact the rates for *all* customer classes. This makes the elimination of the Seasonal Class extremely complicated given that Hydro One's 2018 distribution rates were not approved until 2019 and resulted in significant foregone distribution revenue between the effective date of May 1, 2018 and the implementation date of July 1, 2019. Bill impact mitigation

related to the 2019 approval of Hydro One's 2018-2022 Distribution Application resulted in the Board-approved disposition of foregone revenue and regulatory assets over the period from July 1, 2019 to December 31, 2020. As such, Hydro One recommends that any changes related to eliminating the Seasonal Class be implemented as of January 1, 2021. The rates to be implemented in 2021 would be calculated assuming the Seasonal Class would have been eliminated in 2018.

Implementing the elimination of the Seasonal Class in 2021 would align with the termination of the foregone revenue rate adders and regulatory asset rider amounts that have been calculated and approved by the Board on the assumption that the existing rate class structure remains in place until the disposition of those amounts is completed on December 31, 2020.

Attempting to implement any changes prior to 2021 would necessitate the unwinding of the approved foregone revenue and regulatory asset disposition, and the recalculation of those amounts to reflect the elimination of the Seasonal Class. This would result in cancelling and reissuing the monthly bills for 1.2 million Hydro One customers over multiple years for all rate classes. This would be exceedingly complex to calculate, implement and communicate to customers.<sup>34</sup>

Hydro One's recommended alternate approach to eliminating the Seasonal Class is significantly easier to implement given that it only impacts the rates of customers in the Seasonal Class, and not any of the other rate classes. Implementation is also made easier by the fact that the capping of seasonal customer bills and tracking of mitigation credits would work in a fashion similar to the current DRP implementation, and therefore the required billing system changes are well understood.

Hydro One recommends that the alternate approach also be implemented starting in 2021 and not be applied retroactively. Concerns regarding the unwinding and recalculation of approved foregone revenue and regulatory asset disposition amounts, and the need to cancel and reissue the monthly bills over multiple years, would apply for all ~150,000 seasonal customers impacted by the alternate approach to eliminating the Seasonal Class.

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<sup>34</sup> Among the many complications that exists when cancelling and rebilling customers over multiple years is the issue of what to do in the case of customers that have switched rate classifications, switched LDCs, or businesses that no longer exist.

## **List of Appendices**

**Appendix A** – Stakeholder Material (presentations, notes, feedback sheets)

**Appendix B** – 2018 Seasonal Status Quo CAM Inputs and Outputs

**Appendix C** – 2018 Seasonal Eliminated CAM Inputs and Outputs

**Appendix D** – 2018 to 2021 Seasonal Status Quo and Seasonal Eliminated Rate Design

**Appendix E** – RRWF for Move to All Fix Residential Distribution Rates (2019-2021)  
Under Seasonal Eliminated Scenario

**Appendix F** – 2021 Bill Impact Sheets for Seasonal Status Quo Scenario

**Appendix G** – 2021 Bill Impact Sheets for Seasonal Eliminated Scenario

## Elimination of the Seasonal Rate Class Implementation Plan

Stakeholder Session

Wednesday June 10, 2015

DoubleTree Hotel by Hilton – The Victoria Room

108 Chestnut Street

1:00 – 4:00pm

### OVERVIEW

*On June 10<sup>th</sup>, 2015 Hydro One Networks Inc. hosted a stakeholder session with intervenors and OEB staff in Hydro One's distribution application EB-2013-0416. The purpose of this meeting was twofold: 1) to share and seek feedback on rate options for eliminating the seasonal rate class; and 2) to share and seek feedback on billing and meter reading options for seasonal customers. 16 stakeholders, representing 11 different organizations attended the meeting as well as the 8 representatives from Hydro One Networks Inc. The participant list and meeting agenda are attached.*

*The stakeholder session included welcoming remarks from Ian Malpass (Director Pricing, Hydro One Networks), a presentation on "Options for Eliminating the Seasonal Rate Class" delivered by Henry Andre (Manager Distribution Pricing, Hydro One Networks), followed by a questions and feedback period, a presentation on "Billing and Meter Reading Options for Seasonal Customers" delivered by Danny Relich (Director Billing and Collections, Hydro One Networks) followed by a questions and feedback period, and closing remarks delivered by Ian Malpass.*

*This draft summary was written by Matthew Wheatley and Nicole Swerhun, who provided independent facilitation services for the stakeholder session. It provides a high level summary of the main points shared by participants as captured in the "live" notes written during the meeting, and is not intended as a verbatim transcript of the meeting. The meeting was not audio recorded.*

*If you have any suggested edits to this draft summary, please forward them to Matthew Wheatley by **Monday, July 13, 2015** at [mwheatley@swerhun.com](mailto:mwheatley@swerhun.com) or by phone at (416) 572-4365. The draft summary will then be edited, as necessary, and finalized. The final summary will again be distributed to all participants.*

*Note that there are two appendices to this draft summary (attached separately), including:*

- Appendix 1. Two presentations made at the meeting (including the one extra slide shared)*
- Appendix 2. 3 written submissions with feedback received from stakeholders, including Brady Yauch (Energy Probe), Balsam Lake Coalition, FOCA (letter)*

<b>NOTE:</b>	<b>This draft summary reflects what happened during the meeting and does <u>not</u> attempt to integrate the written feedback received after the meeting. Please see Appendix 2 for the additional feedback received.</b>
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# DRAFT FEEDBACK SUMMARY – For Participant Review

## Part 1 – Options for Eliminating the Seasonal Rate Class

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Henry Andre, Manager Distribution Pricing, Hydro One Networks, delivered an overview presentation that described options for eliminating the Seasonal Rate Class, as well as four questions to prompt participant feedback. These questions are listed below, followed by a summary of the discussion.

1. Consider the two bill impact mitigation options presented. Are there other bill impact mitigation options you would like to see Hydro One consider? If so, what are they?
2. Consider the pros and cons related to the bill impact mitigation options. Do you have any additions and/or suggested edits to the list of pros and cons identified?
3. Which bill impact mitigation option do you prefer?
4. Do you have any other advice for the Hydro One team as they develop their August 4<sup>th</sup> report to the OEB?

Feedback from the discussion is reflected in the six points below. The **bolded text** reflects the common themes emerging from the feedback. More detailed comments are included underneath in a list of bullet points. Note that the speakers making each comment are included in brackets ( ) and *italics* following the point.

1. **There were a number of concerns raised related to Option 2 (8-year phase-in of rates), and fewer concerns related to Option 1 (phase-in via credits).**

Other bill impact mitigation options were suggested by participants for Hydro One to consider, including:

- An option that sees all rate classes share in the redistribution of costs associated with elimination of the seasonal rate class;
- An option that combines multiple options; and
- A general suggestion that Hydro One consider an option that does not marry who-benefits to who-pays.

Along with these additional options, other “cons” to consider when evaluating options were also raised, including: the potential loss of customers; the degree to which an option is punitive on the demand classes, and could have the effect of being a tax on small town jobs.

See additional feedback below:

- I am not keen on options 2 or 2b as both models overlook the fact that all classes, regardless of the revenue-to-cost ratio, have paid less than they otherwise would have if the seasonal classes had been part of the other classes all along. All classes should pay for the mitigation measures related to the elimination of the seasonal rate class. (*Ted Cowan – OFA*)
- Concern that implementing either option 2 or 2b will result in loss of customers due to significant increases in the variable charge. Customers who expected to be paying

less would be paying more and may decide to find alternative sources of electricity. *(Ted Cowan – OFA)*

- Options 2 and 2b are also problematic because they are punitive on the demand classes. These options result in the creation of a tax on small town and rural jobs in order to save cottagers approximately \$35 a month. *(Ted Cowan – OFA)*
- Need an alpha and beta analysis, as there is currently a beta error. *(Ted Cowan – OFA)*
- Hydro One should explain why the impacts of eliminating the Seasonal class are spread across all classes and not just being spread across only the residential classes. *(Bill Harper – VECC)*
- The implementation of the redistribution of costs could be done through a combination of options, not just one or the other. *(Bill Harper – VECC)*
- I agree entirely that all rate classes should contribute to the mitigation measures required. *(Nick Copes – Balsam Lake Coalition)*
- We are also concerned about potential negative impacts on demand customers. *(Emma Blanchard – CME)*
- Will need to identify why GSd and UGd classes pay more as a result of eliminating the Seasonal class. *(Bill Harper – VECC)*
- It is not necessary for Hydro One to marry who benefits and who pays. *(Bill Harper – VECC)*

**2. The need to clarify the list of assumptions that informed the analysis was raised by a number of participants.**

- This proposal does not take into account the RRRP and the fact that a large number of customers are part of section 72. *(Bill Cheshire – Balsam Lake Coalition)*
- It seems that it will be impossible to develop a plan for mitigation that has any credibility because of all the changes and moving parts, including moving to all fixed and the elimination of the seasonal rate class. *(Roger Higgin – Energy Probe)*
- Need to clearly explain how the fixed charge for the R2 class will be impacted, including how the RRRP funding will be used to mitigate cost to customers in the R2 class. *(Michael Buonaguro – Balsam Lake Coalition)*

**3. One participant suggested that Hydro One consider pre-filing the application before going into a hearing at the Ontario Energy Board.**

- Because of the detailed analysis and number of assumptions that will need to be explained through this process, Hydro One should consider the value of having a pre-filing meeting with the OEB to increase the likelihood of a smooth process. *(Source not attributed)*

**4. The consumption bands used could be adjusted to catch more of the outliers.**

- The OEB is going to be concerned about the outliers and you will need to develop a strategy for dealing with them. *(Julie Girvan – CCC)*
- In theory you could simply adjust the proposed consumption bands in order to catch more of the outliers. Additionally, if the number of bands are increased the differences between the bands will be less. *(Michael Buonaguro – Balsam Lake Coalition)*



**5. One participant suggested that Hydro One consider increasing the number of regional rate classes.**

- The elimination of the seasonal rate class, combined with the move to an all fixed rate, is going to create such a significant difference between the R1 and R2 rate classes that Hydro One should seriously consider whether there is a need to add another rate class. (*Ian White – FOCA*)

**6. Education and clear communication with customers will be essential to the elimination of the Seasonal Rate Class.**

- Hydro One needs to be clear about its interpretation of the 10% stipulated by the Ontario Energy Board – whether just looking at the impact of eliminating the Seasonal class or all factors in 2016 impacting rates. (*Bill Harper – VECC*)
- No matter which option is implemented, effectively communicating the elimination of the Seasonal Rate Class to customers presents an enormous challenge. It would be useful to start communicating this change to customers now. (*Julie Girvan – CCC*)

## **Part 2 – Billing and Meter Reading Options for Seasonal Customers**

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Danny Relich, Director Billing and Collections, Hydro One Networks, delivered an overview presentation that described billing and meter reading options for Seasonal customers, as well as four questions to prompt participant feedback. These questions are listed below, followed by a summary of the discussion.

1. Consider the three bill and meter reading options presented. Are there other options you would like to see Hydro One consider? If so, what are they?
2. Consider the pros and cons related to the bill and meter reading scenarios. Do you have any additions and/or suggested edits to the list of pros and cons identified?
3. Which bill and meter reading scenario do you prefer?
4. Do you have any other advice for the Hydro One team as they develop their August 4<sup>th</sup> report to the OEB?

Feedback from the discussion is reflected in the five points below. The **bolded text** reflects the common themes emerging from the feedback. More detailed comments are included underneath in a list of bullet points. Note that the speakers making each comment are included in brackets ( ) and *italics* following the point.

1. **No clear preference was expressed during the meeting for any of the three bill and meter reading options presented.** Also no additional options were suggested.
2. **As raised regularly in past feedback, one participant would like to see Hydro One update their terminology to better reflect infrastructure charges and reduce customer confusion.**
  - Rather than “delivery charge” call it a “keeps the line in place” charge so that customers know if they disconnect and reconnect their service they will still be charged the “keeps the line in place” charge. (*Ted Cowan – OFA*)

3. **There were concerns raised about issues that some customers have with estimated bills.**
  - One of the major issues with estimated bills is that customers often receive a bill, which does not coincide with their consumption for a particular month or billing period. This is especially problematic when the estimated bill is higher than actual use. (*Roger Higgin – Energy Probe*)
4. **The current rate class changes present an excellent opportunity to promote a large-scale shift to electronic billing and equal billing.**
  - The communication materials going out to customers about the elimination of the seasonal rate class should also include information on switching from paper to electronic bills. (*Bill Cheshire – Balsam Lake Coalition*)
  - Continue to educate customers about opportunities to move to equal billing plans. (*Roger Higgin – Energy Probe*)
  - Hydro One should learn from the experiences of other utilities and banks that have used incentives to encourage customers to shift from paper to electronic billing/communication. (*Ian White – FOCA*)
5. **Education and clear communication will be important no matter which option is selected.**
  - Customers are used to receiving their bills in a certain way, for this reason it will be very important to communicate with customers to understand what they are looking for and explain the different billing options available to them (*Julie Girvan – CCC*).
6. **Provide a clear explanation of all changes to Conditions of Service**
  - All changes to Hydro One's Conditions of Service need to be explained to customers, especially those that relate to disconnect/reconnect charges and services. (*Bill Harper – VECC*).

## **WRAP UP & NEXT STEPS**

Ian Malpass wrapped up the meeting by thanking participants for coming and for the quality feedback provided. He indicated that the Hydro One team would carefully review the perspectives and advice shared, and make decisions on how best to reflect the feedback in Hydro One's next steps in preparing for their OEB submission. He reminded participants that Hydro One's submission is due in August 2015.

Nicole Swerhun confirmed that the draft meeting summary would be distributed to participants for their review before being finalized. Also, any additional comments on either presentation would be accepted up until June 19th.

## **PARTICIPANT LIST**

The following is a list of participants that attended the meeting and the organizations they represent.

### **Stakeholders**

1. Alfredo Bertolotti, Power Workers' Union (PWU)
2. Bill Cheshire, Balsam Lake Coalition
3. Bill Harper, Vulnerable Energy Consumers Coalition (VECC)
4. Brady Yauch, Energy Probe
5. David MacIntosh, Energy Probe
6. Emma Blanchard, Canadian Manufactures & Exporters (CME)
7. Harold Thiessen, Ontario Energy Board Staff (OEB)
8. Ian White, Federation of Ontario Cottagers Associations (FOCA)
9. Julie Girvan, Consumers Council of Canada (CCC)
10. Michael Buonaguro, Balsam Lake Coalition
11. Nick Copes, Balsam Lake Coalition
12. Roger Higgin, Energy Probe
13. Shelley Grice, Association of Major Power Consumers of Ontario (AMPCO)
14. Ted Cowan, Ontario Federation of Agriculture (OFA)

### **Hydro One Networks Inc.**

1. Allan Cowan – Director, Major Applications
2. Danny Relich (Presenter) – Director, Billing and Collections
3. Erin Henderson -
4. Henry Andre (Presenter) – Manager, Distribution Pricing
5. Ian Malpass – Director, Pricing
6. Kevin Mancherjee – Senior Regulatory Advisor
7. Maxine Cooper – Senior Regulatory Advisor

### **Swerhun Facilitation**

1. Nicole Swerhun, Facilitator
2. Matthew Wheatley, Note taker

## **MEETING AGENDA**

**1:00 pm**

### **Welcome**

Ian Malpass, Director Pricing, Hydro One Networks

**1:05**

### **Introductions and Agenda Review**

Nicole Swerhun, Swerhun Facilitation

**1:10**

### **Rates Options for Eliminating the Seasonal Rate Class**

Henry Andre, Manager Distribution Pricing, Hydro One Networks

**2:00**

### **Questions of Clarification and Feedback Period**

Nicole Swerhun, Swerhun Facilitation

**2:45**

### **Break**

**2:55**

### **Billing and Meter Reading Options for Seasonal Customers**

Danny Relich, Director Billing and Collections, Hydro One Networks

**3:25**

### **Questions of Clarification and Feedback Period**

Nicole Swerhun, Swerhun Facilitation

**3:55**

### **Next Steps and Session Wrap Up**

Ian Malpass, Director Pricing, Hydro One Networks

# OPTIONS TO ELIMINATE SEASONAL RATES

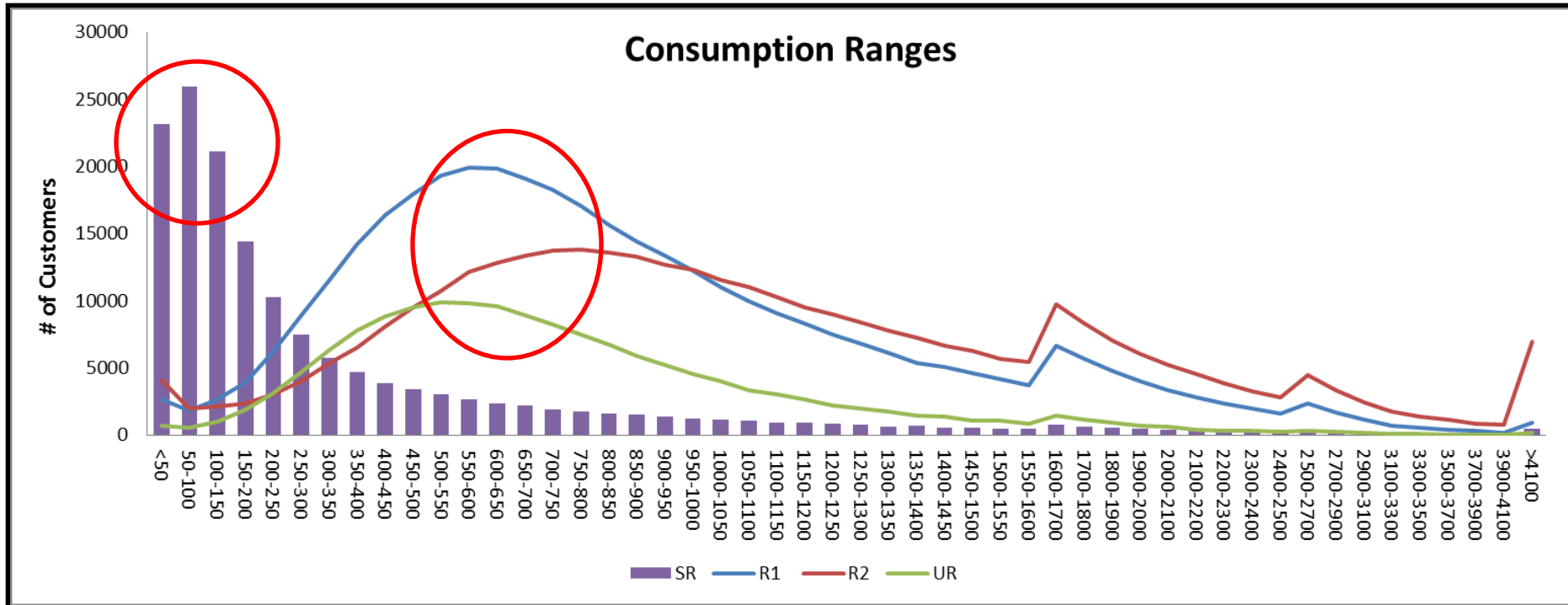


# OEB Direction

- In EB-2013-0416 Decision OEB determined the Seasonal customer classification is no longer justified.
- Hydro One to bring forward a plan for the elimination of the seasonal class by August 4, 2015.
- Plan should propose a phase-in period for those customers expected to experience a total bill impact of greater than 10% as a result of migrating to another class.
- OEB will conduct a hearing to examine the rate mitigation issues in the plan with the intent to implement the initial rate changes January 1, 2016.



# Seasonal Class



Monthly Consumption	# of Customers
<50	23,140
50-100	25,954
100-150	21,117
150-200	14,382

Consumption Range	# of Customers
200-400	28,120
400-800	21,205
800-1200	9,762
>1200	10,810

# Breaking up the Seasonal Class

- Seasonal customers included as part of Density Review and included in defining density zones
- 2016 forecast Seasonal customers by density class  
R2: 83,900      R1: 70,300      UR: 270      TOT: 154,490

Consumption Range		0-50	50-100	100-150	150-200	200-400	400-800	800-1200	1200-1600	>1600
	S R1%	13	16	14	9	19	15	7	3	3
	S R1#	9300	11300	9600	6600	13400	10600	4800	2300	1900
	S R2%	16	17	14	9	17	13	6	3	4
	S R2#	13800	14600	11500	7800	14700	10600	5000	2800	3700

# Cost Allocation

- 2016 model updated to reflect Board Decisions
  - Includes all changes approved for 2015 model
  - Updated for 2016 revenue requirement
  - “Seasonal Status Quo”
- 2016 model updated to reflect elimination of the Seasonal class
  - Updated # of customers and kWh for UR, R1 and R2 to include Seasonal customer values
  - Updated load profiles for “new” residential rate classes
  - “Seasonal Eliminated”



# Cost Allocation Model (CAM) Results

## Seasonal Status Quo

	UR	R1	R2	S	GSe	GSd	UGe	UGd	StLg	SnLg	USL	DG	ST
Rev *	101.5	338.7	514.9	115.1	162.5	127.7	20.2	27.0	11.7	7.0	3.6	2.8	47.5
Cost	80.5	285.0	557.2	110.8	160.1	148.4	22.6	31.1	13.2	7.7	2.9	6.6	54.3
R/C	1.26	1.19	<b>0.92</b>	1.04	1.02	<b>0.86</b>	0.89	<b>0.87</b>	0.88	0.90	1.23	0.43	0.88

\* 7.3% uniform increase to rates required to match 2016 costs

## Seasonal Eliminated

	UR	R1	R2	S	GSe	GSd	UGe	UGd	StLg	SnLg	USL	DG	ST
Rev *	100.9	370.8	601.4	-	161.3	126.8	20.0	26.8	11.6	7.0	3.6	2.8	47.2
Cost	79.5	313.9	631.0	-	161.8	154.3	22.9	32.2	13.1	7.7	2.9	6.5	54.2
R/C	1.27	1.18	<b>0.95</b>	-	1.00	<b>0.82</b>	0.87	<b>0.83</b>	0.88	0.90	1.23	0.43	0.87

\* 6.5% uniform increase to rates required to match 2016 costs

# Impacts of Eliminating Seasonal Class

Rate Class	Typical Monthly Consumption (kWh/kW)	Seasonal Status Quo Change in Total Bill 2015-2016		Seasonal Eliminated Change in Total Bill 2015-2016	
		\$	%	\$	%
UR	800	(\$0.37)	-0.3%	(\$0.95)	-0.7%
R1	800	\$1.04	0.6%	\$0.88	0.5%
R2	800	\$5.85	3.2%	\$5.20	2.8%
S to UR	400	\$4.23	3.6%	(\$34.76)	-29.4%
S to R1	400	\$4.23	3.6%	(\$20.91)	-17.7%
S to R2	400	\$4.23	3.6%	\$26.96	22.8%
GSe	2,000	\$9.36	2.3%	\$8.14	2.0%
UGe	2,000	\$7.45	2.2%	\$7.11	2.1%
GSd	35000/120	\$288.99	4.3%	\$326.66	4.9%
UGd	35000/120	\$155.28	2.6%	\$171.88	2.9%

# Seasonal to R2 Impacts

Breakout of impacts on Seasonal customers moving to R2 rate class

kWh	# of Cust	2015 Monthly Bill	2016 Monthly Bill	Change \$	Change %
50	13,800	42.22	78.44	36.22	85.8
100	14,600	53.09	87.99	34.90	65.7
150	11,500	63.97	97.54	33.58	52.5
200	7,800	74.84	107.10	32.25	43.1
400	14,700	118.34	145.30	26.96	22.8
800	10,600	205.34	221.71	16.37	8.0
1,200	5,000	292.33	298.12	5.79	2.0
2,000	4,300	466.32	450.94	-15.39	-3.3

# Bill Impact Mitigation

- No impact mitigation required for Seasonal moving to UR and R1 residential rate classes
- Mitigation required for Seasonal moving to R2
- Mitigation options considered:
  1. “Phase-in Via Credits”: move to full R2 rates in 2016 and apply credits to limit impacts to 10%
  2. “Phase-in Rates Over 8 Years”: move to R2 fixed rates over 8 years

# Phase-in Via Credits

## Seasonal to R2 Bill Impacts

2015 Rates	
S	F=\$28.62 V=\$0.0764/kWh
R2	F=\$65.52 V=\$0.0424/kWh




2016 Rates	
S	F=\$65.52 V=\$0.0493/kWh
R2	F=\$65.52 V=\$0.0493/kWh

kWh	2015 Total Bill	2016 Total Bill	Change 15 to 16	% Change	2016 Mitigated Bill (2015 + 10%)	Bill Credit to Limit Impact to 10%
50	42.22	78.44	36.22	85.8	46.44	32.00
100	53.09	87.99	34.90	65.7	58.40	29.59
150	63.97	97.54	33.58	52.5	70.36	27.18
200	74.84	107.10	32.25	43.1	82.34	24.77
400	118.34	145.30	26.96	22.8	130.17	15.13
600	161.84	183.50	21.67	13.4	178.02	5.48
800	205.34	221.71	16.37	8.0	224.87	0
2000	466.32	450.94	-15.39	-3.3	512.95	0

# Option 1: Phase-in Via Credits

- Credits required until 2021 for lowest consumption, shorter period for higher consumption
- Use of average consumption for customers in 0-150 kWh range (i.e. 75 kWh) would result in a 2016 credit of \$30.80
  - This is within +/- \$3 of credits for all customers within range and would shorten mitigation period to 2020

Consumption Range	2016 Credit	2017 Credit	2018 Credit	2019 Credit	2020 Credit	2021 Credit
50	\$32.00	\$27.36	\$22.25	\$16.63	\$10.45	\$3.65
100	\$29.59	\$23.75	\$17.33	\$10.26	\$2.49	
150	\$27.18	\$20.14	\$12.40	\$3.89		
200	\$24.77	\$16.54	\$7.48			
400	\$15.13	\$2.11				
600	\$5.48					
Monthly Credit	\$1.8M	\$1.3M	\$0.9M	\$0.6M	\$0.3M	\$0.1M



# Option 1: Phase-in Via Credits

## How to fund the credits paid to Seasonal R2 customers?

- Fund monthly credits via *monthly debits* to formerly Seasonal in all residential rate classes that would otherwise see bill impacts of less than 10%

E.g. Formerly Seasonal moving to R1

kWh	2015 Total Bill	2016 Total Bill	Bill Debit to Bring S R2 Impacts to 10%	2016 Mitigated Bill
50	42.22	36.92	7.14	44.06
400	118.34	97.43	24.56	121.99
800	205.34	166.58	44.47	211.05

# Option 1: Phase-in Via Credits

## PROS:

- Easy to communicate to customers
- Impacts of eliminating Seasonal class clearly visible to customers
- Credits targeted to *only* those Seasonal R2 customers that need them
- Shortest possible phase-in period by maintaining 10% impacts until Seasonal rates fully integrated
- Phase-in costs shared among all formerly Seasonal customers

## CONS:

- Some complexities with administering credits / debits
- Delays full benefits for Seasonal customers moving to medium and high density year-round residential rate classes



# Option 2: 8-Year Phase-in of Rates

2015 Rates	
S	F=\$28.62 V=\$0.0764/kWh
R2	F=\$65.52 V=\$0.0424/kWh



2016 Rates	
S	F=\$33.23 V=\$0.0556/kWh
R2	F=\$65.52 V=\$0.0556/kWh

## Seasonal to R2

kWh	2015 Total Bill	2016 Total Bill	Change 15 to 16	% Change
50	42.22	45.92	3.71	8.8
100	53.09	55.80	2.70	5.1
150	63.97	65.67	1.70	2.7
200	74.84	75.54	0.70	0.9
400	118.34	115.02	-3.32	-2.8
800	205.34	194.00	-11.34	-5.5
1200	292.33	272.97	-19.36	-6.6
2000	466.32	430.91	-35.41	-7.6

# Option 2: 8-Year Phase-in of Rates

## **PROS:**

- Easy to communicate to customers
- Easy to implement

## **CONS:**

- Disproportionate impacts across Seasonal R2 customers, with bill reductions for high volume Seasonal R2 customers while other seasonal within class see bill increases
- Year-round R2 residential customers “funding” the reduced fixed charges applicable to Seasonal R2 customers via higher variable charges may not be perceived as fair
- Seasonal customers in medium and high density residential rate classes see largest benefits as a result of eliminating Seasonal class but do not contribute to mitigation of bill impacts
- Impacts of eliminating Seasonal class not clearly visible to customers

# Option 2b: 8-Year Phase-in (modified)

	2016	2017	2018	2019	2020	2021	2022	2023
R2 Fixed (\$/mnth)	65.52	65.52	65.52	65.52	65.52	65.52	65.52	65.52
S-R2 Fixed (\$/mnth)	33.23	37.84	42.45	47.06	51.67	56.28	60.89	65.52
Fixed charge lost revenue	\$2.7M	\$2.3M	\$1.9M	\$1.5M	\$1.1M	\$0.7M	\$0.3M	\$0
Variable (c/kWh)	5.555	5.466	5.376	5.287	5.198	5.108	5.019	4.929

- Instead of increasing variable charge for all R2 class customers, recover fixed charge lost revenue from all formerly Seasonal customers
- Same “net” effect as credit approach to mitigation but more complex to communicate and impacts of eliminating Seasonal class not as clearly visible to customers

# Mitigation Summary & Recommendation

## Guiding Principles

- OEB Direction
- Prior experience with mitigating large bill impacts
- Fairness (cost causality, simplicity, lack of controversy)
- Provides for full recovery of utility's costs
- Can be efficiently administered

Recommend

Option	Key Features
1. Phase-in via credits	<ul style="list-style-type: none"><li>• Impacts phased in over 4 years for majority of customers and 6 years for lowest consumption</li><li>• Credits only applied where required to reduce bill impacts to 10%</li><li>• Phase-in costs funded by all formerly seasonal customers</li><li>• Full impacts of moving to year-round residential and required mitigation fully visible to customers</li></ul>
2. Phase-in fixed rates	<ul style="list-style-type: none"><li>• Impacts phased in over 8 years</li><li>• Reduced fixed charge provides phase-in benefits to all S R2 even if impacts are below 10%</li><li>• Reduced fixed charges during phase-in funded via higher variable charges that impact all R2 customers</li></ul>
2a. Modified option 2.	<ul style="list-style-type: none"><li>• Same as option 2 except phase-in costs recovered via debits from all formerly seasonal customers</li></ul>

# RRRP

OEB decision is that RRRP cannot be applied to customers that do not meet year-round residency status (e.g. formerly Seasonal)

- RRRP was formerly known as RRA, which began in 1982. From the outset RRA did not apply to Seasonal customers
- O.Reg.442/01 came into effect in 2001 and RRA became RRRP
- O.Reg.442/01 provides a credit only to customers using properties as a year-round residence, reflecting the practice established under RRA
- Hydro One's criteria for being classified as year-round residential (and therefore eligible for RRRP) is tied to confirming principle residence status
- This same "principle residence" approach is used by Algoma, Veridian and Nova Scotia Power for their Seasonal rate classes
- Hydro One has no plans to change its residency criteria

# Feedback on Presentation

- Any questions of clarification?
- Are there other options?
- Are there other pros and cons associated with the options identified?
- What option do stakeholders prefer?
- Any other advice or considerations for August 4<sup>th</sup> report?

# OPTIONS TO ELIMINATE SEASONAL RATES





# Guiding Principles

- OEB direction
- Fairness
- Minimize costs of the reclassification
- Minimize overall billing and meter reading costs while meeting customer needs



# Billing and Meter Reading

Hydro One depends on both manual (36K) and automatically read (115K) meters to collect information for seasonal billing (151K customers\*)

## Manual Meter Reading Challenges:

- Accessibility: distance, terrain, island access, impassible roads in winter, inside meters, customer refusal, historical meter placement, locked gates

**Cost:** average of \$31 per scheduled read (more for unscheduled)

## Automated Meter Reading Challenges:

- Foliage: tree density, tree type and terrain can interrupt communication signals and prevent reads from being transferred on time
- Network Coverage: cost prohibitive to cover entire Hydro One service area
- Equipment Malfunction: assets that make up the smart meter network (e.g. pole top regional collectors, repeaters and smart meters) are electronic devices and are susceptible to failure

**Cost:** minimal incremental cost per read

## Customer Billing Information:

- Paper Bills: Costs for paper stock, envelopes, postage and handling
- e-Billing: “paperless” billing with electronic bill images and bill inserts made available to store and/or print at customer preference

**Cost:** \$2/paper bill issued  
\$0.30/e-bill issued

# Scenarios Considered

Hydro One investigated three different scenarios for elimination of the Seasonal Rate class and movement of the customers into appropriate residential classes.

Scenario <b>A</b>	Retain Seasonal Billing and Meter Read Frequencies
Scenario <b>B</b>	Adopt Residential Billing and Meter Read Frequencies
Scenario <b>C</b>	Usage-Based Billing and Meter Read Frequencies as Levers to Manage Overall Billing and Meter Reading Costs

# Scenarios Considered - A

## SCENARIO A – RETAIN SEASONAL BILL/READ FREQUENCIES

- Move each seasonal class customer into the appropriate residential class – urban (UR), medium (R1) or low density (R2) – based on their specific density characteristics
- Retain the current default billing and meter reading frequencies associated with the existing seasonal class
  - Bill quarterly/read annually for manually read meters
  - Bill quarterly/read quarterly for automatically read meters

### Change in Current Billing and Meter Reading Costs (\$0M )

Pros	Cons
Maintains current seasonal bill and meter read frequencies which have not been identified as significant dis-satisfiers by seasonal customers	Seasonal customers with similar usage characteristics are treated differently than year round residential customers with respect to bill/read frequencies
Maintains billing and meter reading costs at current levels	Difficult to rationalize discrepancy in bill/read frequencies between seasonal and year round residential customers paying the same delivery rates

# Scenarios Considered - B

## SCENARIO B – ADOPT RESIDENTIAL BILL/READ FREQUENCIES

- Move each seasonal class customer into the appropriate residential class – urban (UR), medium (R1) or low density (R2) – based on their specific density characteristics
- Adopt the current default billing and meter reading frequencies associated with the existing year round residential class
  - Bill monthly/read quarterly for manually read meters
  - Bill monthly/read monthly for automatically read meters

### Billing and Meter Reading Costs Increase by ~\$3.7M

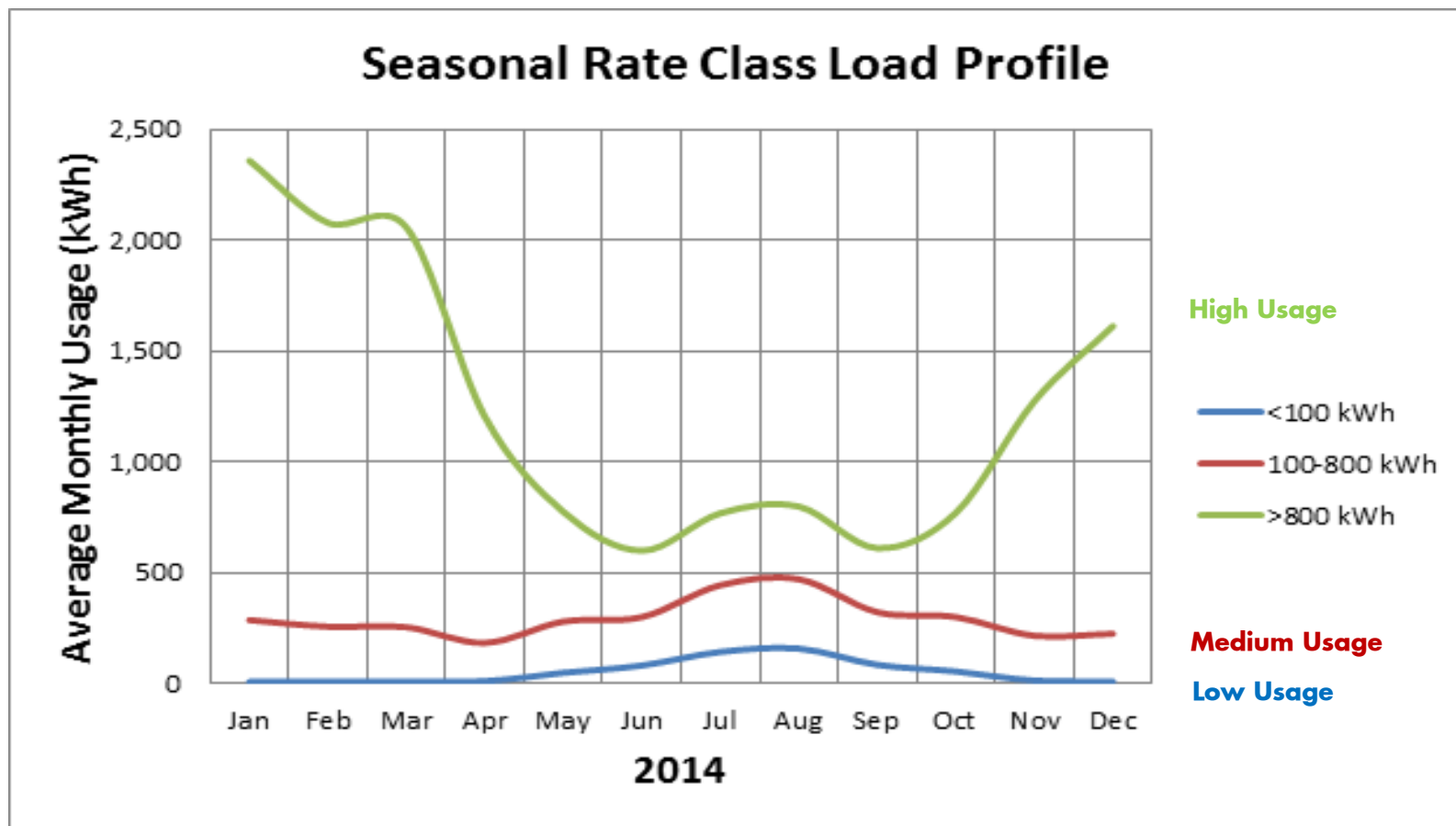
Pros	Cons
- High consumption seasonal customers likely to view increased bill/read frequencies positively	- Low consumption seasonal customers and those whose consumption is confined to a few consecutive months likely to view increased bill/read frequencies negatively
- All customers within the class who are paying the same delivery rate (seasonal and year round) have same bill/read frequencies	- Billing and meter reading costs increase significantly <ul style="list-style-type: none"><li>- Billing costs <math>\cong</math> 150%</li><li>- Meter reading costs <math>\cong</math> 300%</li></ul>
	- Significant increase in call handling and exception handling costs since volume of bills is a driver of these activities
	- Significant increase in unplanned estimated bills due to accessibility of many seasonal meters during winter/spring

# Scenarios Considered - C - Hybrid

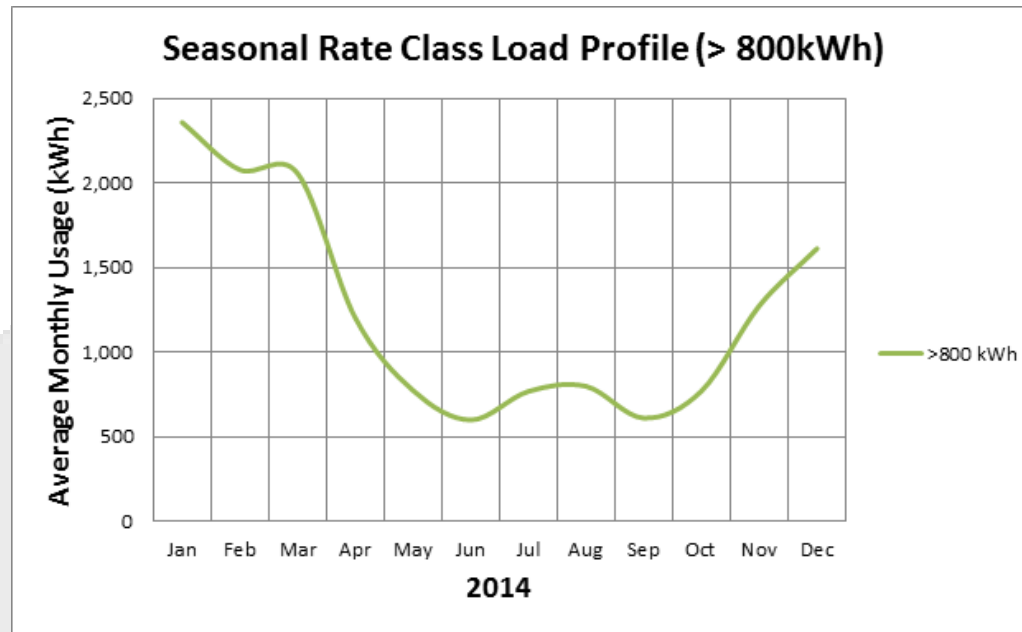
## SCENARIO C – HYBRID

- Move each seasonal class customer into the appropriate residential class – urban (UR), medium (R1) or low density (R2) – based on their specific density characteristics
- Consider average monthly consumption and annual usage patterns, meter read method and availability/reliability in comparison to year round residential
- Use bill and meter read frequencies as levers to manage overall billing and meter reading costs
- Seasonal billing costs change from an increase of approximately \$100K to a savings of up to approximately \$400K depending on e-billing uptake

# Scenarios Considered - C - Hybrid

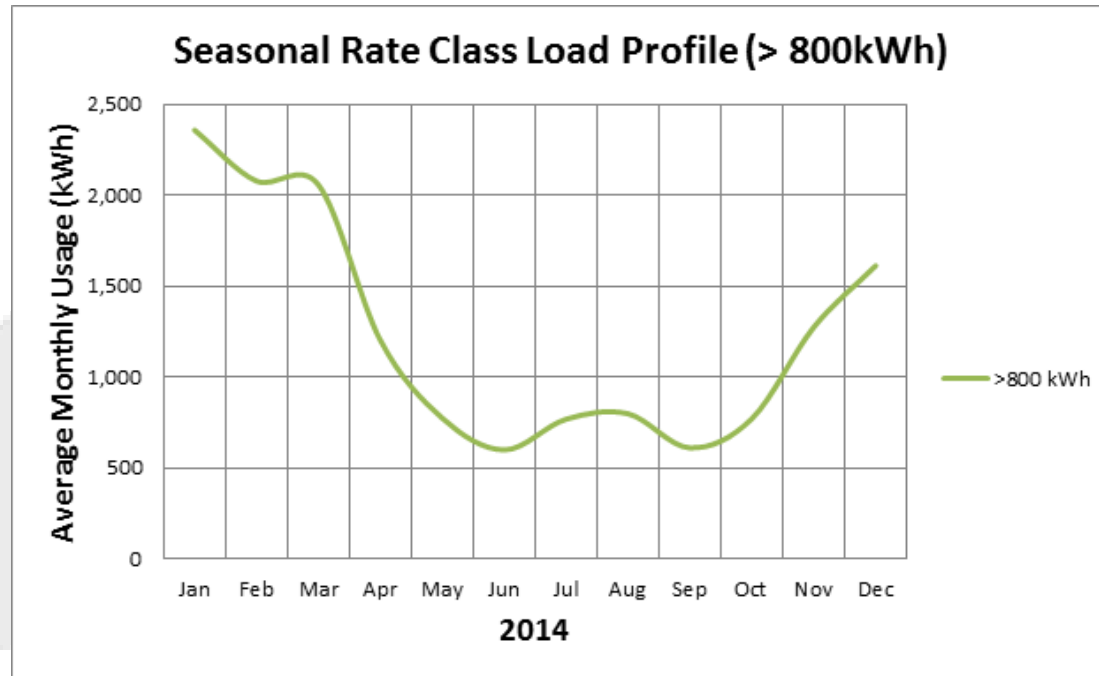


# Seasonal Load Profiles – High Usage



- Represents 12% of all seasonal class customers (18K)
- 2K (11%) of these are read manually or have unreliable automated reads
- Annual electricity consumption is similar to average year round residential customers (800 kWh/month)
- Load profile over the year is similar to year round residential customer without air conditioning load (higher usage in colder months – lower in warmer months)
- Load present throughout the entire year without any prolonged periods of zero usage

# Seasonal Load Profiles – High Usage

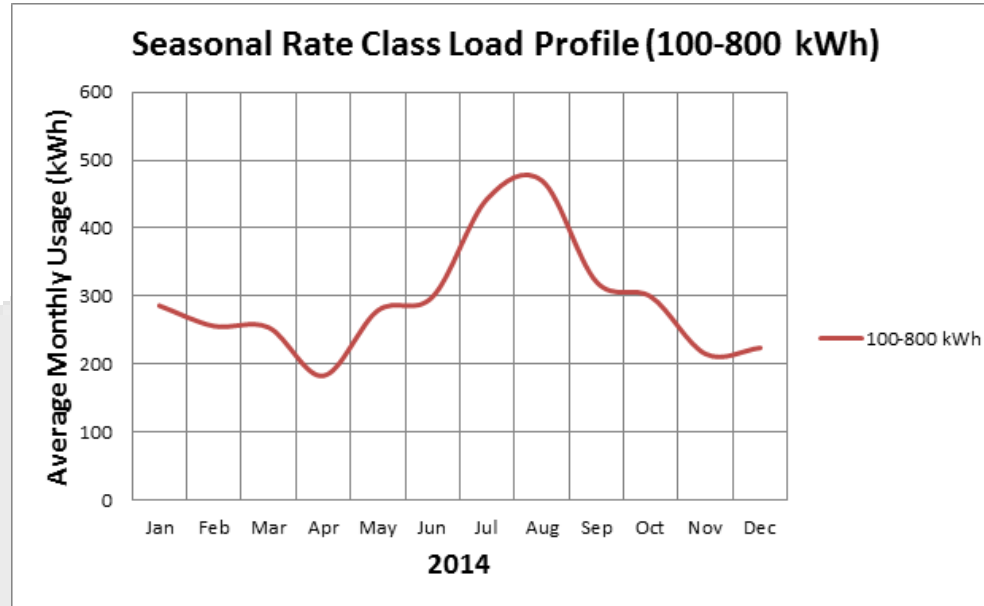


## Recommendation

- Leave customers on existing seasonal billing frequency if paper based but move to residential billing frequency if on e-billing
- Increase manual meter read frequency to 4 times per year for TOU exempt customers
- Review eligibility for billing/meter read frequency on same frequency as Dx rate application

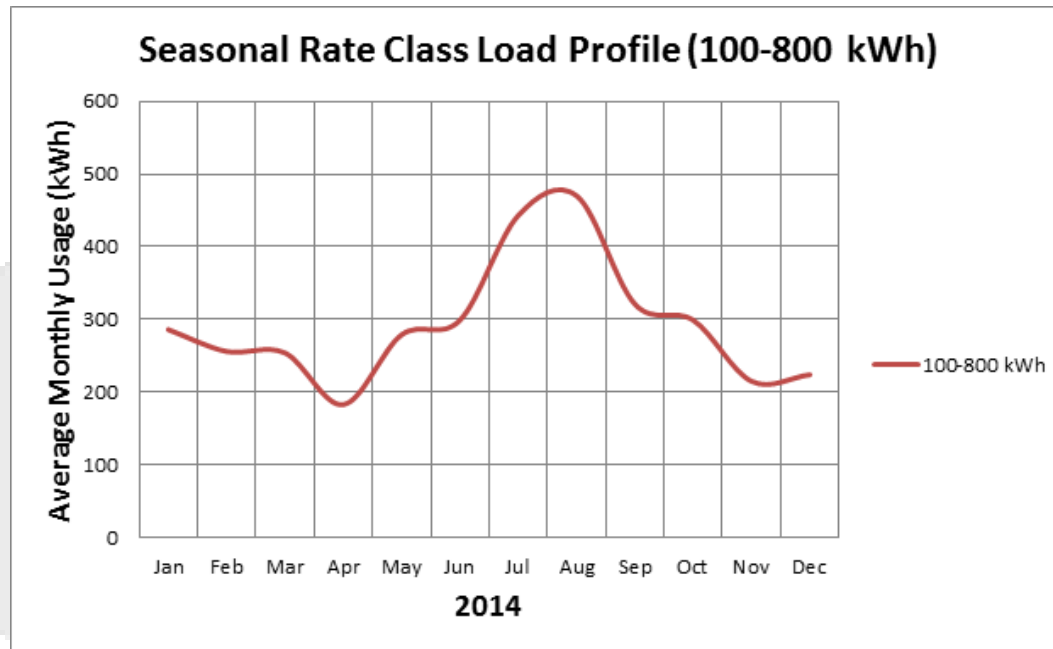


# Seasonal Load Profiles – Medium Usage



- Represents 45% of all seasonal class customers (68K)
- 6K (9%) of these are read manually or have unreliable automated reads
- Annual electricity consumption is lower than average year round residential customers
- Load profile over the year is different than typical year round residential customer with usage climbing during May/June, peaking in July/August and dropping September/October to base winter level
- Load present throughout the entire year without any prolonged periods of zero usage

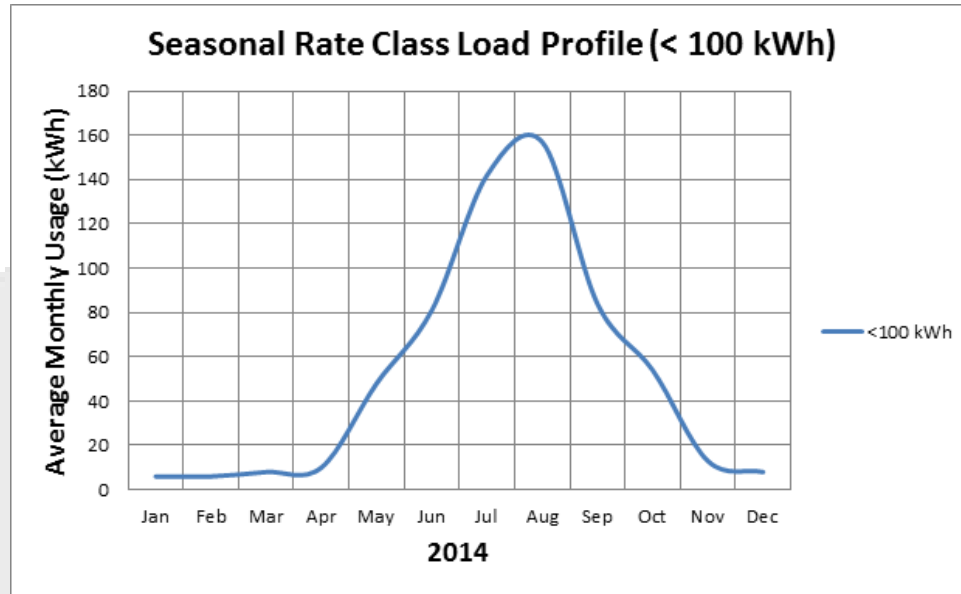
# Seasonal Load Profiles – Medium Usage



## Recommendation

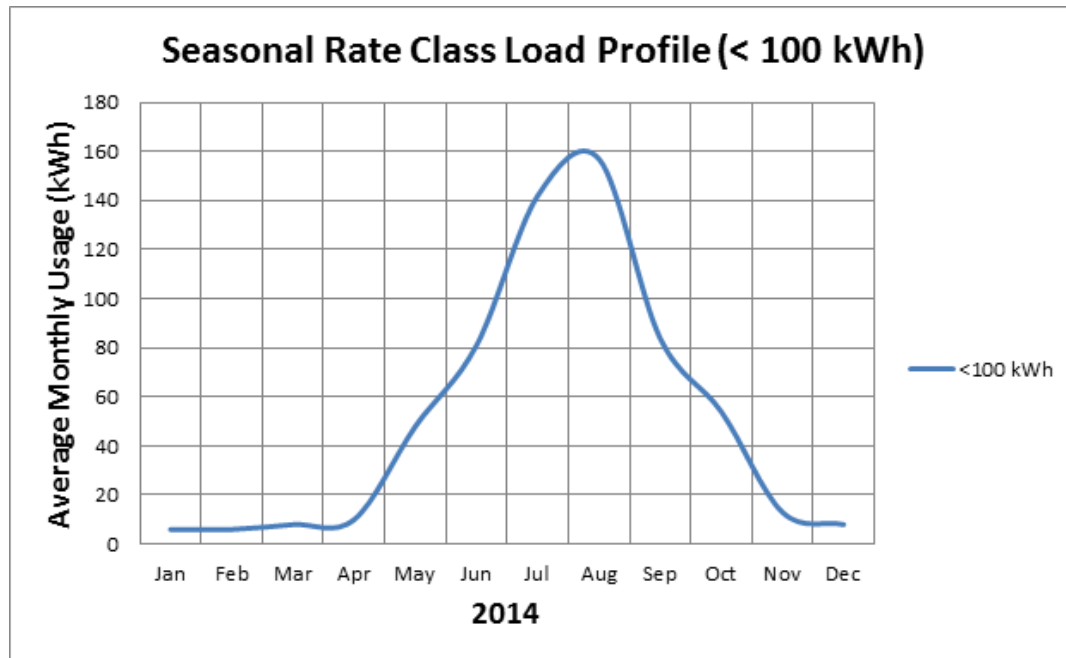
- Leave customers on existing seasonal billing and meter read frequency if paper based but move to residential billing frequency if on e-billing
- Review eligibility for billing/meter read frequency on same frequency as Dx rate application

# Seasonal Load Profiles – Low Usage



- Represents 43% of all seasonal class customers (65K)
- 28K (43%) of these are read manually or have unreliable automated reads
- Electricity consumption is much lower than average year round residential customers
- Load profile over the year is the same pattern as medium usage seasonal, however the peak usage in July/August time period is less at 160 kWh/month (versus nearly 500 kWh) and the usage in the shoulder months drops dramatically to almost zero consumption at the base winter level (medium usage about 250 kWh/month in the same time period)
- Prolonged periods of zero or near zero usage during winter months

# Seasonal Load Profiles – Low Usage



## Recommendation

- Move customers to 2 bills and 1 read per year frequency if paper based but move to residential billing frequency if on e-billing
- Review eligibility for billing/meter read frequency on same frequency as Dx rate application

# Proposed Bill and Meter Read Frequencies and Potential Savings

## Scenario C “Hybrid”

Average Monthly Usage	# of Seasonal Customers	# TOU & Non-TOU/Read Reliability Accounts	Bill / Read Frequency	Incremental Cost of Meter Reads	Incremental (Savings) of Paper Bills @ \$2/bill	Incremental (Savings) of e-Bills @ \$0.30/bill (based on 12 e-Bills/year)
> 800 kWh	18K	16K	12/12	Negligible	N/A	~(\$70,000)
			4/4	Status Quo	Status Quo	N/A
		2K	4/4	~\$200,000	Status Quo	N/A
100 – 800 kWh	68K	62K	12/12	Negligible	N/A	~(\$273,000)
			4/4	Status Quo	Status Quo	N/A
		6K	4/1	Status Quo	Status Quo	N/A
< 100 kWh	65K	37K	12/12	Negligible	N/A	~(\$163,000)
			4/4	Status Quo	Status Quo	N/A
		28K	2/1	Status Quo	~(\$112,000)	N/A
<b>TOTALS</b>	<b>151K</b>	<b>151K</b>	<b>N/A</b>	<b>~\$200,000</b>	<b>~(\$112,000)</b>	<b>~(\$506,000)</b>

# Recommendation

**Scenario C with the proposed bill and meter read frequencies is the recommended option for the following reasons:**

1. Satisfies the guiding principles of: meeting OEB direction, fairness, minimizing costs of the reclassification and minimizing overall billing and meter reading costs while meeting customer needs
2. While billing and meter reading frequencies will differ within the rate class, they are driven by the following characteristics and may therefore be viewed as reasonable/supportable:
  - Customer usage level and pattern (year round or seasonal/summer loaded)
  - Billing method (paper bills vs e-bills)
  - Meter read method/reliability

# Recommendation (cont'd)

**Scenario C with the proposed bill and meter read frequencies is the recommended option for the following reasons:**

3. Maximizes billing and meter reading frequencies within reasonable cost parameters . Billing and meter reading frequencies reviewed in conjunction with Dx rate applications
4. Reduces bill frequency to twice per year (notionally June and December) for low use seasonal customers – same frequency as pre-1998 and maintains annual meter read frequency
5. Although bill frequency is reduced for low use seasonal customers to twice per year, they can opt for e-billing to increase frequency

# Feedback on Presentation

- Any questions of clarification?
- Are there other options?
- Are there other pros and cons associated with the options identified?
- What option do stakeholders prefer?
- Any other advice or considerations for August 4th report?



# Conditions of Service

As part of the implementation of the OEB direction on the seasonal customers Hydro One will be updating our Conditions of Service.

**Some examples:**

## **Section 1.6: Customer Rights and Obligations:**

**No Charge Outage for Upgrade or Maintenance of Customer Equipment for Safety Reasons**

*Hydro One will, upon at least ten (10) days' prior notice from the Customer, once each calendar year during normal business hours, disconnect and reconnect the Customer's service without charge, for the Customer to upgrade or maintain Customer Equipment for safety reasons, including, but not limited to, the safe clearance of trees and vegetation from Customer lines.*

Hydro One will be amending the current Conditions of Service to ensure that the intent of this section (i.e. disconnect and reconnect for the purposes of safely upgrading or maintaining customer equipment) is reinforced

- Section 2.2.J: Disconnection and Load Control

# Impact of OEB Move to “All-Fixed”

- Comparison of impacts from moving to all-fixed
- Seasonal customers moving to R1 with Seasonal eliminated only marginally better off than maintaining Seasonal Status Quo
- Seasonal customers moving to R2 with Seasonal eliminated are much better off with maintaining Seasonal Status Quo

kWh	2015 Total Bill	2016 Seasonal Status Quo Move to All-Fixed		2016 Seasonal Eliminated Move to R1 All-Fixed		2016 Seasonal Eliminated Move to R2 All-Fixed	
		Total Bill	% Change	Total Bill	% Change	Total Bill	% Change
50	42.22	70.12	66%	65.89	56%	128.11	203%
400	118.34	119.05	1%	114.01	-4%	177.42	50%
1000	248.83	202.94	-18%	196.5	-21%	261.95	5%

## **FEEDBACK FROM THE BALSAM LAKE COALITION**

### **Presentation #1: Elimination of the Seasonal Rate Class**

#### *Feedback and Discussion*

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Do you have any questions of clarification on the presentation?

1. *Consider the two bill impact mitigation options presented. Are there other bill impact mitigation options you would like to see Hydro One consider? If so, what are they?*

BLC strongly believes that a subset of the seasonal customers that are being migrated to the R2 class likely qualify for the RRRP credit based on the criteria within Ontario Regulation 442/01, which, if applied, would mitigate their total bill impact significantly. It does not appear to BLC that HONI has considered this probability and taken steps to provide a process for determining which customers would properly qualify for the RRRP credit.

2. *Consider the pros and cons related to the bill impact mitigation options. Do you have any additions and/or suggested edits to the list of pros and cons identified?*

One major con with respect to the options that rely on increasing the volumetric charge in order to mitigate the impact on low volume seasonal customers moving to R2 is that such a methodology is contrary to the stated Board policy of eliminating volumetric based charges for residential customers.

3. **Which bill impact mitigation option do you prefer?**

BLC prefers a bill mitigation proposal that fully transitions customers to their new rate class and then mitigates the impact through the application of a credit that declines over time. However, contrary to what is proposed in option 1, BLC believes that under the circumstances it would be most appropriate for all rate classes to fund the proposed credit, rather than only the former seasonal customers.

4. **Do you have any other advice for the Hydro One team as they develop their August 4<sup>th</sup> report to the OEB?**

Former seasonal customers that are being moved into the R2 rate class are being grouped with customers that have enjoyed the benefit of a RRRP credit; so far as BLC can tell HONI is not intending to take any significant action to clarify for migrating customers precisely what the legal criteria for RRRP eligibility is, or provide any enhanced process during the transition from one rate class to another to properly screen new R2 customers for RRRP eligibility. BLC strongly urges HONI to consider taking steps to clarify for its customers to whom the regulation properly applies, and provide new R2 customers an explicit opportunity to establish that they qualify for the credit.

## **FEEDBACK FROM THE BALSAM LAKE COALITION**

### **Presentation #2: Bill and Meter Reading Scenarios**

#### *Feedback and Discussion*

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Do you have any questions of clarification on the presentation?

1. *Consider the three bill and meter reading scenarios presented. Are there other scenarios you would like to see Hydro One consider? If so, what are they?*

2. *Consider the pros and cons related to the bill and meter reading scenarios. Do you have any additions and/or suggested edits to the list of pros and cons identified?*

3. **Which bill and meter reading scenario do you prefer?**

In theory BLC supports the availability of billing and meter reading scenarios that meet customer preferences, whatever those preferences are; however BLC remains concerned that current OEB policy dictates that for customers for whom monthly meter reading and billing is, within reason, possible, monthly meter reading and billing is required, such that some of the proposals from HONI would be contrary to Board policy.

4. **Do you have any other advice for the Hydro One team as they develop their August 4<sup>th</sup> report to the OEB?**

## **FEEDBACK FROM ENERGY PROBE**

### **Presentation #1: Elimination of the Seasonal Rate Class**

#### *Feedback and Discussion*

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Do you have any questions of clarification on the presentation?

1. *Consider the two bill impact mitigation options presented. Are there other bill impact mitigation options you would like to see Hydro One consider? If so, what are they?*

If, for example, ALL rate classes benefited from the seasonal rate class that was previously overpaying – Hydro One states in its presentation on page 6 that revenue from the seasonal rate class exceeded costs – then the costs of moving those seasonal customers should be born by all ratepayers. This would have the positive effect of mitigating the bill impact of eliminating the seasonal rate class on those customers most effected. Would Hydro One consider applying the costs of eliminating the seasonal rate class to all other classes?

Second, would Hydro One consider offering seasonal customers the option to pay upfront the cost of eliminating the rate class? For example, under option 1, formerly seasonal ratepayers that are moving to R1 would be debited an amount each month in order to pay for the credits offered to those customers moving to R2. If these new R1 ratepayers didn't pay those credits, according to Hydro One's research on page 12 of the handout, they would see a significant bill reduction. Would Hydro One consider allowing these customers the option to pay, up front, all of the monthly debits that would be billed to them? Would it consider offering them a discount to do so? Some customers may be preparing for retirement and might like the option of paying the cost now before they move to a fixed income.

2. *Consider the pros and cons related to the bill impact mitigation options. Do you have any additions and/or suggested edits to the list of pros and cons identified?*

The biggest drawback is that ratepayers in certain classes, such as the UR, R1 and R2, who may have benefited from the seasonal class (as that class brought in more revenue than it cost to serve them), now don't have to pay for the cost or mitigation measures that occur once that rate class is eliminated. If that is the case (that all ratepayers benefited for the seasonal class), Hydro One should consider charging all ratepayers for the cost of eliminating the seasonal rate class.

Also, Option 1 presents a particular problem. Under that plan, the seasonal customers that were previously paying too much – or cross subsidizing other ratepayers in their class – are now being charged for the benefit of moving out of the class. If, for example, you were a medium to high volume ratepayer in the R1 density class, but were paying seasonal rates, you were, essentially, overpaying for your services. Once you move to the R1 class with the elimination of the seasonal rate class, you will be charged monthly debits in order to mitigate the impact on those former seasonal ratepayers who were previously underpaying. Is that fair? Should one ratepayer class have to pay for the privilege of no longer cross subsidizing another?

## **FEEDBACK FROM ENERGY PROBE**

### **3. Which bill impact mitigation option do you prefer?**

Hydro One has recently had very bad publicity regarding its billing system. In the wake of that publicity, Option 1 might present further billing complications and customer dissatisfaction. Additionally, Option 1 would be difficult for many customers to understand. The Board has repeatedly tried to make bills less complicated and this option seems to reverse that work.

Option 2 is much easier to explain to ratepayers, so would be preferred. Would Hydro One consider expanding Option 2 to ALL rate classes? This could both shorten the time of the phase-in period as well as mitigate the potential bill impacts.

### **4. Do you have any other advice for the Hydro One team as they develop their August 4<sup>th</sup> report to the OEB?**

I understand Hydro One is eliminating the seasonal rate class at the request of the Board, but it needs to fully detail to the Board how much of an impact it will have on ratepayers' bills when combined with the fixed charge proposal. Furthermore, Hydro One should also detail the impact of those charges when combined with – at the minimum – inflationary increases in other components of the bill. Will these charges have a material impact on Hydro One's load forecasts over the next three years (the length of its current rate application)? Does Hydro One expect these increases to result in cancelled services? Will Hydro One consider these many increases when preparing its next rate application?

Is Hydro One fully prepared to deliver bills to its customers that will be increasing, in percentage terms, by double digits, possibly even triple digits (if mitigation measures weren't put in place)? Some ratepayers could see the distribution portion of their hydro bill increase by 85% (prior to mitigation measures) combined with high single digit increases in transmission and generation. Taken together, their monthly bill could be DOUBLE its current level. Hydro One needs to fully detail these impacts when it prepares its final report for the Board.

And finally, will Hydro One present a detailed plan on how they will explain these changes to effected customers? It's no secret that bill increases are the number one concern among ratepayers. Under this proposal, a significant number of ratepayers will experience near double digit bill increases or more in the years to come – and that's not considering other components of the bill that are also expected to increase. Is Hydro One preparing a detailed program to deal with how customers will react to these changes?

## **FEEDBACK FROM ENERGY PROBE**

### **Presentation #2: Bill and Meter Reading Scenarios**

#### *Feedback and Discussion*

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Do you have any questions of clarification on the presentation?

1. *Consider the three bill and meter reading scenarios presented. Are there other scenarios you would like to see Hydro One consider? If so, what are they?*
  
  
  
  
  
  
  
  
  
  
2. *Consider the pros and cons related to the bill and meter reading scenarios. Do you have any additions and/or suggested edits to the list of pros and cons identified?*
  
  
  
  
  
  
  
  
  
  
3. **Which bill and meter reading scenario do you prefer?**
  
  
  
  
  
  
  
  
  
  
4. **Do you have any other advice for the Hydro One team as they develop their August 4<sup>th</sup> report to the OEB?**



June 19, 2015

Attention: Erin Henderson  
Sr. Regulatory Coordinator, Regulatory Affairs, TCT-07  
Hydro One Networks Inc.

***Regarding the Stakeholder Session for the Elimination of the Seasonal Rate Class Implementation Plan, June 10, 2015. For Approval of Distribution Rates 2015 to 2019 - EB-2013-0416***

Dear Erin,

The Federation of Ontario Cottagers' Associations (FOCA) represents 50,000 property-owning families in Ontario through our 500+ member associations. The FOCA Board of Directors wishes to offer the following feedback and discussion, as requested by Hydro One, in its "Options Presentation."

The FOCA Board has reviewed the presentation materials from the June 10<sup>th</sup> Stakeholders Session, where options have been developed to mitigate the changes related to the elimination of the Seasonal Rate Class and the reclassification of the Seasonal customers primarily into the R1 and R2 Classes.

FOCA understands and accepts the principle of "user pays" as it relates to electrical delivery costs. But FOCA cannot accept and will vigorously object to a plan that would see some of its' members receiving a total bill increase of over 200%, which will result when the separately planned all-fixed delivery charges program is put in place. Across North America, electrical distribution costs are charged to residential customers almost universally as a combination of fixed and viable components. The dramatic effect of moving from 40% fixed to 100% fixed results in tremendous bill increases to many of the existing Seasonal class members who are reclassified into the R2 class, especially those using little or no electricity during the off-season months. In many cases, with these changes, these residents will be paying more for electrical power than they pay in property taxes. Many are pensioners or on a fixed income and can simply not afford these changes.

In any case we believe that any proposed changes to address the "rate class gap", many decades in the making, must be phased in over a reasonable period, perhaps 10 or 15 years.



The 100% fixed delivery charge results in a change from the current relationship between R1 Class customers and R2 Class customers where delivery includes a fixed component of \$26/mo (all amounts approximate) for R1 and \$66/mo (reduced to \$34 by RRRP) for R2 to the new plan's R1 \$30+ and R2 \$117. This change results in an incredible difference between R1 and R2. Seasonal customers will be reassigned to R1 or R2 on a density basis. As there are almost the same number of customers going to each class, there will be many situations where reassigned Seasonals will have close neighbours, family and friends with the alternate reclassification and significantly different bill ramifications. There will be many unhappy customers created by this plan. By way of example, there may be a lake where one shoreline has a customer density of 14 per kilometre of circuit and the other side has 16 per kilometre. Having only two rate classes results in profound bill differences of similar customers. More rate classes could reduce this problem.

Ontario's rural and waterfront property owners expect and deserve a fair and reasonable and understandable rate structure.

One additional and significant negative effect of all-fixed delivery costs is that it renders conservation programs less effective. Customers save less money by investing in conservation practices and equipment, and lose interest. This is counter-productive for the environment and puts pressure on the electrical utility to build new electrical generation infrastructure – and is further counter to the Province's "Conservation First" approach.

FOCA recognizes that the rural areas may be more costly to serve than urban areas. However, it is unacceptable that R2 some customers receive a RRRP subsidy under Regulation 442/01 funded by all other customers to reduce their distribution cost. Rural residents incur the same costs of living no matter the number of days or months they are resident at their address. For their part, "seasonal" residents provide significant economic contributions in their rural communities, in terms of local consumer activity, and job creation. "Permanent" and "Seasonal" residents deserve the same consideration in terms of mitigating the higher costs of rural living.

In summary, FOCA is generally supportive of Hydro One's recommended bill impact mitigation Option 1 and metering/billing Scenario C. However, it cannot accept the combination of 1) reassignment into one of only two rate classes with widely differing bill consequences; 2) all-fixed delivery cost billing; and, 3) lack of fairness in an existing subsidy program intended for only a select group of rural property owners.

Thank you for your attention. We appreciate the opportunity to provide you with our feedback.

Sincerely,



Terry Rees, Executive Director, FOCA



Ken Grant, President, FOCA

cc: Kirsten Walli, OEB, [boardsec@ontarioenergyboard.ca](mailto:boardsec@ontarioenergyboard.ca); Ian White, FOCA



## 2018 Cost Allocation Model

EB-2017-0049

### Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	33,050,624,446
Total kWhs from Load Forecast	39,839,869
Deficiency/sufficiency ( RRRWF 8. cell F51)	- 62,117,807
Miscellaneous Revenue (RRWF 5. cell F48)	45,510,264

			1	2	3	4	5	6	7	8	9	10	11	12	13
	ID	Total	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
<b>Billing Data</b>															
Forecast kWh	CEN	33,050,624,446	1,909,812,707	4,591,766,176	4,330,539,160	585,362,231	2,207,062,032	2,457,598,720	604,053,832	1,036,884,037	99,400,638	13,573,825	29,489,859	27,034,065	15,158,047,163
Forecast kW	CDEM	39,839,869						7,860,142		2,698,633				197,039	29,084,055
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,152,684						678,071		311,526				163,087	
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-													
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	22,932,822,504	1,909,812,707	4,591,766,176	4,330,539,160	585,362,231	2,207,062,032	2,457,598,720	604,053,832	1,036,884,037	99,400,638	13,573,825	29,489,859	27,034,065	5,040,245,220
Existing Monthly Charge			\$24.78	\$33.77	\$80.33	\$36.28	\$27.87	\$89.48	\$23.30	\$93.97	\$4.25	\$2.71	\$35.18	\$149.34	\$1,054.74
Existing Distribution kWh Rate			\$0.0094	\$0.0230	\$0.0374	\$0.0635	\$0.0560		\$0.0262		\$0.0924	\$0.1178	\$0.0285		
Existing Distribution kW Rate								\$15.9121		\$9.0851				\$6.9518	\$1.3358
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,350,890,706	\$85,460,525	\$286,941,256	\$478,602,755	\$101,464,026	\$152,993,264	\$130,697,016	\$20,859,081	\$26,473,896	\$9,463,445	\$2,334,000	\$3,157,937	\$3,375,969	\$49,067,535
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,350,890,706	\$85,460,525	\$286,941,256	\$478,602,755	\$101,464,026	\$152,993,264	\$130,697,016	\$20,859,081	\$26,473,896	\$9,463,445	\$2,334,000	\$3,157,937	\$3,375,969	\$49,067,535



# 2018 Cost Allocation Model

EB-2017-0049

## Sheet I6.2 Customer Data Worksheet -

			1	2	3	4	5	6	7	8	9	10	11	12	13
	ID	Total	UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
<b>Billing Data</b>															
Bad Debt 3 Year Historical Average	BDHA	\$26,649,115	\$3,787,028	\$9,290,923	\$7,667,706	\$86,130	\$2,744,091	\$1,883,540	\$635,575	\$363,264	4,145	1,880	1,129	\$40,510	143,193
Late Payment 3 Year Historical Average	LPHA	\$15,954,115	1,930,081	5,482,880	4,660,562	577,022	1,594,108	716,650	360,326	182,474	21,154	19,725	5,827	45,217	358,087
Number of Bills	CNB	14,406,680	2,724,305	5,369,578	3,941,748	590,716	1,054,818	62,870	216,003	20,821	65,606	271,219	65,875	13,434	9,687
Number of Devices											172,647				
Number of Connections (Unmetered)	CCON	38,371									21,581	11,301	5,490		
Total Number of Customers	CCA	1,303,822	227,025	447,465	328,479	147,679	87,902	5,239	18,000	1,735	21,581	11,301	5,490	1,119	807
Bulk Customer Base	CCB	1,303,822	227,025	447,465	328,479	147,679	87,902	5,239	18,000	1,735	21,581	11,301	5,490	1,119	807
Primary Customer Base	CCP	1,298,442	227,025	447,465	328,479	147,679	87,902	5,239	18,000	1,735	17,084	11,301	5,490	968	77
Line Transformer Customer Base	CCLT	1,298,366	227,025	447,465	328,479	147,679	87,902	5,239	18,000	1,735	17,084	11,301	5,490	968	-
Secondary Customer Base	CCS	1,294,921	227,025	447,465	328,479	147,679	87,902	-	18,000	-	21,581	11,301	5,490		
Weighted - Services	CWCS	1,089,509	113,513	335,599	492,718	147,679									
Weighted Meter Capital	CWMC	500,110,073	76,780,005	151,332,594	111,091,589	49,945,034	53,261,299	8,332,427	10,906,713	2,759,473				2,113,938	33,587,001
Weighted Meter Reading	CWMR	354,865	1,946	13,693	187,913	46,923	46,074	42,456	4,821	11,040				-	-
Weighted Bills	CWNB	16,369,026	2,724,305	5,369,578	3,941,748	590,716	2,109,637	440,093	432,006	145,747	131,212	5,424	131,750	201,507	145,304

### Bad Debt Data

Historic Year:	2013	10,487,600	1,487,599	3,553,261	3,191,171	243,548	438,296	953,470	114,354	108,807	10,244	5,641	196	12,637	368,387
Historic Year:	2014	28,551,765	4,443,855	10,366,830	8,007,945	10,850	2,938,576	1,486,800	894,417	229,876	436		3,091	108,084	61,006
Historic Year:	2015	40,907,980	5,429,631	13,952,678	11,804,003	3,993	4,855,411	3,210,350	897,955	751,110	1,754		99	810	186
Three-year average		26,649,115	3,787,028	9,290,923	7,667,706	86,130	2,744,091	1,883,540	635,575	363,264	4,145	1,880	1,129	40,510	143,193

### Street Lighting Adjustment Factors

NCP Test Results 4 NCP

	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
UR	227,025	1,760,873	227,025	1,760,873
R1	447,465	3,991,659	447,465	3,991,659
R2	328,479	3,833,139	328,479	3,833,139
Seasonal	147,679	556,357	147,679	556,357
Street Light	172,647	150,579	172,647	150,579

Street Lighting Adjustment Factors	
Primary	10.11
Line Transformer	10.11



# 2018 Cost Allocation Model

EB-2017-0049

## Sheet 18 Demand Data Worksheet -

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP
Co-Incident Peak	Indicator
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12
Non-co-Incident Peak	Indicator
1 NCP	NCP 1
4 NCP	NCP 4
12 NCP	NCP 12

Customer Classes		Total	1 UR	2 R1	3 R2	4 Seasonal	5 GSe	6 GSd	7 UGe	8 UGd	9 St Lgt	10 Sen Lgt	11 USL	12 DGen	13 ST
<b>CO-INCIDENT PEAK</b>															
<b>1 CP</b>															
Transformation CP	TCP1	5,968,814	408,653	1,103,834	1,087,934	140,595	379,343	314,719	101,231	124,634	21,227	3,006	3,639	7,531	2,272,469
Bulk Delivery CP	BCP1	5,870,840	395,508	1,068,954	1,054,459	136,265	367,575	304,634	98,005	120,598	113,340	2,912	3,526	7,284	2,197,781
Total Sytem CP	DCP1	6,064,569	408,653	1,103,834	1,087,934	140,595	379,343	314,719	101,231	124,634	116,982	3,006	3,639	7,531	2,272,469
<b>4 CP</b>															
Transformation CP	TCP4	23,034,930	1,680,913	4,090,406	3,824,972	459,921	1,452,453	1,322,606	389,959	564,693	44,816	6,475	14,628	18,327	9,164,761
Bulk Delivery CP	BCP4	22,297,732	1,626,844	3,961,155	3,707,280	445,756	1,407,395	1,280,222	377,533	546,408	43,421	6,274	14,173	17,726	8,863,545
Total Sytem CP	DCP4	23,034,930	1,680,913	4,090,406	3,824,972	459,921	1,452,453	1,322,606	389,959	564,693	44,816	6,475	14,628	18,327	9,164,761
<b>12 CP</b>															
Transformation CP	TCP12	62,855,443	4,481,737	10,537,317	9,822,816	1,181,863	4,024,758	3,875,219	1,074,353	1,673,095	116,982	16,374	44,231	46,241	25,960,457
Bulk Delivery CP	BCP12	60,841,949	4,337,576	10,204,354	9,520,575	1,145,465	3,899,902	3,751,036	1,040,119	1,618,919	113,340	15,864	42,853	44,724	25,107,221
Total Sytem CP	DCP12	62,855,443	4,481,737	10,537,317	9,822,816	1,181,863	4,024,758	3,875,219	1,074,353	1,673,095	116,982	16,374	44,231	46,241	25,960,457
<b>NON CO-INCIDENT PEAK</b>															
<b>1 NCP</b>															
Classification NCP from															
Load Data Provider	DNCP1	6,614,583	499,631	1,119,526	1,092,378	150,380	444,364	451,866	125,025	190,508	44,955	5,833	3,862	9,266	2,476,990
Primary NCP	PNCP1	3,979,371	478,618	1,063,586	1,026,092	141,310	418,877	425,887	119,241	181,436	42,444	5,508	3,646	894	71,833
Line Transformer NCP	LTNCP1	3,849,114	478,618	1,063,586	1,026,092	141,310	418,877	389,147	119,241	160,491	42,444	5,508	3,646	154	-
Secondary NCP	SNCP1	3,210,592	472,687	1,040,452	988,577	136,213	405,441	-	117,174	-	41,168	5,342	3,537	-	-
<b>4 NCP</b>															
Classification NCP from															
Load Data Provider	DNCP4	25,034,175	1,838,182	4,201,601	4,080,761	592,067	1,724,900	1,760,892	489,437	724,746	159,488	21,427	15,092	35,628	9,389,954
Primary NCP	PNCP4	15,045,481	1,760,873	3,991,659	3,833,139	556,357	1,625,967	1,659,653	466,795	690,234	150,579	20,230	14,249	3,437	272,309
Line Transformer NCP	LTNCP4	14,547,474	1,760,873	3,991,659	3,833,139	556,357	1,625,967	1,516,479	466,795	610,555	150,579	20,230	14,249	592	-
Secondary NCP	SNCP4	12,085,190	1,739,056	3,904,834	3,692,996	536,293	1,573,814	-	458,704	-	146,052	19,622	13,820	-	-
<b>12 NCP</b>															
Classification NCP from															
Load Data Provider	DNCP12	67,424,660	4,759,102	10,860,975	10,130,450	1,546,851	4,656,938	4,941,080	1,350,546	2,058,954	368,626	50,016	44,382	92,533	26,564,207
Primary NCP	PNCP12	39,358,778	4,558,947	10,318,282	9,515,732	1,453,555	4,389,835	4,657,003	1,288,066	1,960,908	348,035	47,222	41,903	8,926	770,364
Line Transformer NCP	LTNCP12	37,952,917	4,558,947	10,318,282	9,515,732	1,453,555	4,389,835	4,255,257	1,288,066	1,734,544	348,035	47,222	41,903	1,538	-
Secondary NCP	SNCP12	31,104,054	4,502,461	10,093,843	9,167,828	1,401,133	4,249,031	-	1,265,741	-	337,570	45,802	40,843	-	-



# 2018 Cost Allocation Model

EB-2017-0049  
Sheet 01 Revenue to Cost Summary Worksheet -

Instructions:  
Please see the first tab in this workbook for detailed instructions

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base		Total	1	2	3	4	5	6	7	8	9	10	11	12	13
Assets			UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
crev mi	Distribution Revenue at Existing Rates	\$1,350,890,706	\$85,460,525	\$286,941,256	\$478,602,755	\$101,464,026	\$152,993,264	\$130,697,016	\$20,859,081	\$26,473,896	\$9,463,445	\$2,334,000	\$3,157,937	\$3,375,969	\$49,067,535
	Miscellaneous Revenue (mi)	\$45,510,264	\$4,325,677	\$11,526,031	\$14,078,592	\$2,733,912	\$4,436,233	\$2,451,074	\$749,778	\$528,137	\$318,514	\$3,063,678	\$106,833	\$145,087	\$1,046,718
Miscellaneous Revenue Input equals Output															
Total Revenue at Existing Rates		\$1,396,400,970	\$89,786,202	\$298,467,287	\$492,681,346	\$104,197,938	\$157,429,497	\$133,148,090	\$21,608,860	\$27,002,033	\$9,781,959	\$5,397,678	\$3,264,770	\$3,521,056	\$50,114,253
Factor required to recover deficiency (1 + D)		1.0460													
Distribution Revenue at Status Quo Rates		\$1,413,008,512	\$89,390,244	\$300,135,633	\$500,610,274	\$106,129,631	\$160,028,330	\$136,706,837	\$21,818,241	\$27,691,241	\$9,898,602	\$2,441,324	\$3,303,148	\$3,531,206	\$51,323,800
Miscellaneous Revenue (mi)		\$45,510,264	\$4,325,677	\$11,526,031	\$14,078,592	\$2,733,912	\$4,436,233	\$2,451,074	\$749,778	\$528,137	\$318,514	\$3,063,678	\$106,833	\$145,087	\$1,046,718
Total Revenue at Status Quo Rates		\$1,458,518,777	\$93,715,921	\$311,661,664	\$514,688,866	\$108,863,543	\$164,464,563	\$139,157,912	\$22,568,020	\$28,219,379	\$10,217,116	\$5,505,002	\$3,409,981	\$3,676,293	\$52,370,519
Expenses															
di	Distribution Costs (di)	\$275,583,560	\$12,542,544	\$51,312,534	\$113,211,545	\$20,699,974	\$30,737,533	\$24,443,141	\$3,541,579	\$4,656,337	\$2,553,072	\$1,101,712	\$583,063	\$135,150	\$10,065,374
cu	Customer Related Costs (cu)	\$104,507,722	\$16,095,384	\$33,360,743	\$27,713,139	\$6,726,295	\$10,771,606	\$3,412,331	\$2,200,517	\$873,669	\$765,090	\$269,430	\$398,266	\$535,405	\$1,385,848
ad	General and Administration (ad)	\$154,315,409	\$11,256,824	\$33,601,730	\$56,557,427	\$10,966,913	\$16,740,239	\$12,112,988	\$2,307,407	\$2,450,841	\$1,318,285	\$544,536	\$385,252	\$965,893	\$5,107,074
dep	Depreciation and Amortization (dep)	\$397,789,175	\$21,857,265	\$73,898,119	\$141,817,234	\$27,252,269	\$46,313,703	\$49,782,818	\$6,318,702	\$9,888,985	\$2,661,889	\$1,494,261	\$578,210	\$799,987	\$15,125,733
INPUT	PILs (INPUT)	\$43,110,184	\$2,113,046	\$7,749,088	\$15,927,597	\$2,869,660	\$5,156,856	\$5,329,230	\$675,047	\$1,030,862	\$312,373	\$126,858	\$69,839	\$45,805	\$1,703,922
INT	Interest	\$198,282,085	\$9,718,798	\$35,641,355	\$73,257,799	\$13,198,790	\$23,718,575	\$24,511,399	\$3,104,829	\$4,741,374	\$1,436,737	\$583,473	\$321,219	\$210,676	\$7,837,062
Total Expenses		\$1,173,588,135	\$73,583,862	\$235,563,570	\$428,484,741	\$81,713,901	\$133,438,511	\$119,591,908	\$18,148,081	\$23,642,068	\$9,047,447	\$4,120,269	\$2,335,849	\$2,692,916	\$41,225,013
Direct Allocation		\$10,001,664	\$0	\$0	\$0	\$0	\$0	\$2,433,638	\$0	\$742,547	\$0	\$737,624	\$0	\$3,349,392	\$2,738,463
NI	Allocated Net Income (NI)	\$274,928,978	\$13,475,646	\$49,418,692	\$101,575,953	\$18,300,845	\$32,887,104	\$33,986,398	\$4,305,016	\$6,574,175	\$1,992,114	\$809,018	\$445,387	\$292,114	\$10,866,516
	Revenue Requirement (includes NI)	\$1,458,518,777	\$87,059,508	\$284,982,262	\$530,060,694	\$100,014,746	\$166,325,615	\$156,011,944	\$22,453,096	\$30,958,791	\$11,039,561	\$5,666,911	\$2,781,236	\$6,334,421	\$54,829,992
Revenue Requirement Input equals Output															
Rate Base Calculation															
Net Assets															
dp	Distribution Plant - Gross	\$11,246,442,784	\$566,705,542	\$2,060,795,625	\$4,178,055,579	\$779,902,681	\$1,295,770,044	\$1,362,487,461	\$169,281,139	\$264,479,085	\$79,497,431	\$32,672,128	\$17,870,455	\$13,888,501	\$425,037,116
gp	General Plant - Gross	\$1,179,976,447	\$57,147,713	\$210,953,051	\$433,055,745	\$80,128,553	\$136,015,982	\$143,138,581	\$17,695,081	\$27,736,360	\$8,421,099	\$18,538,179	\$1,902,725	\$1,431,973	\$43,811,406
accum dep	Accumulated Depreciation	(\$4,338,284,047)	(\$227,412,365)	(\$808,340,773)	(\$1,606,949,040)	(\$304,169,362)	(\$488,226,016)	(\$512,655,665)	(\$64,223,211)	(\$99,804,820)	(\$29,500,306)	(\$20,118,772)	(\$6,573,739)	(\$5,386,699)	(\$164,923,276)
co	Capital Contribution	(\$896,478,209)	(\$44,077,405)	(\$166,144,575)	(\$339,730,174)	(\$68,088,130)	(\$96,290,120)	(\$107,926,336)	(\$12,245,874)	(\$21,034,539)	(\$6,427,484)	(\$3,303,597)	(\$1,502,301)	(\$1,586,683)	(\$28,120,990)
Total Net Plant		\$7,191,656,976	\$352,363,485	\$1,297,263,327	\$2,664,432,109	\$487,773,742	\$847,269,889	\$885,044,040	\$110,507,134	\$171,376,086	\$51,990,739	\$27,787,938	\$11,697,139	\$8,347,091	\$275,804,255
Directly Allocated Net Fixed Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	Cost of Power (COP)	\$2,994,016,975	\$249,337,458	\$599,482,505	\$565,377,757	\$76,422,536	\$288,145,133	\$320,854,194	\$78,862,836	\$135,371,405	\$12,977,347	\$1,772,144	\$3,850,077	\$3,529,459	\$658,034,123
	OM&A Expenses	\$534,406,691	\$39,894,752	\$118,275,007	\$197,482,111	\$38,393,182	\$58,249,378	\$39,968,460	\$8,049,502	\$7,980,846	\$4,636,448	\$1,915,677	\$1,366,581	\$1,636,448	\$16,558,297
Directly Allocated Expenses		\$10,001,664	\$0	\$0	\$0	\$0	\$0	\$2,433,638	\$0	\$742,547	\$0	\$737,624	\$0	\$3,349,392	\$2,738,463
Subtotal		\$3,538,425,330	\$289,232,210	\$717,757,512	\$762,859,869	\$114,815,719	\$346,394,511	\$363,256,292	\$86,912,339	\$144,094,799	\$17,613,795	\$4,425,445	\$5,216,659	\$8,515,298	\$677,330,883
Working Capital		\$282,580,661	\$23,098,249	\$57,320,524	\$60,922,423	\$9,169,249	\$27,663,263	\$29,009,854	\$6,940,869	\$11,507,493	\$1,406,648	\$353,419	\$416,605	\$680,037	\$54,092,030
Total Rate Base		\$7,474,237,637	\$375,461,734	\$1,354,583,851	\$2,725,354,532	\$496,942,991	\$874,933,152	\$914,053,895	\$117,448,003	\$182,883,578	\$53,397,387	\$28,141,356	\$12,113,745	\$9,027,128	\$329,896,285
Rate Base Input Does Not Equal Output															
Equity Component of Rate Base		\$2,989,695,055	\$150,184,694	\$541,833,540	\$1,090,141,813	\$198,777,196	\$349,973,261	\$365,621,558	\$46,979,201	\$73,153,431	\$21,358,955	\$11,256,542	\$4,845,498	\$3,610,851	\$131,958,514
Net Income on Allocated Assets		\$274,928,978	\$20,132,059	\$76,098,095	\$86,204,125	\$27,149,642	\$31,026,052	\$17,132,366	\$4,419,939	\$3,834,763	\$1,169,669	\$647,108	\$1,074,132	(\$2,366,014)	\$8,407,042
Net Income on Direct Allocation Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Income		\$274,928,978	\$20,132,059	\$76,098,095	\$86,204,125	\$27,149,642	\$31,026,052	\$17,132,366	\$4,419,939	\$3,834,763	\$1,169,669	\$647,108	\$1,074,132	(\$2,366,014)	\$8,407,042
RATIOS ANALYSIS															
REVENUE TO EXPENSES STATUS QUO%		100.00%	1.08	1.09	0.97	1.09	0.99	0.89	1.01	0.91	0.93	0.97	1.23	0.58	0.96
EXISTING REVENUE MINUS ALLOCATED COSTS		(\$62,117,807)	\$2,726,694	\$13,485,025	(\$37,379,347)	\$4,183,192	(\$8,896,118)	(\$22,863,854)	(\$844,237)	(\$3,956,757)	(\$1,257,601)	(\$269,233)	\$483,534	(\$2,813,364)	(\$4,715,739)
Deficiency Input equals Output															
STATUS QUO REVENUE MINUS ALLOCATED COSTS		(\$0)	\$6,656,412	\$26,679,403	(\$15,371,828)	\$8,848,797	(\$1,861,052)	(\$16,854,032)	\$114,923	(\$2,739,412)	(\$822,445)	(\$161,909)	\$628,745	(\$2,658,128)	(\$2,459,474)
RETURN ON EQUITY COMPONENT OF RATE BASE		9.20%	13.40%	14.04%	7.91%	13.66%	8.87%	4.69%	9.41%	5.24%	5.48%	5.75%	22.17%	-65.53%	6.37%

Total Gross Plant including USoAs 1600s, 1700s and 2040	\$12,816,181,432	(\$748,926,957)	\$748,926,957.47	5.8%
Total Accumulated Depreciation including USoAs 1600s, 1700s and 2040	(\$4,566,659,796)			
Total Capital Contributions	(\$896,505,374)			
Total Net Plant	\$7,353,016,262			
Working Capital	\$282,580,661			
Total Rate Base	\$7,635,596,923			
Rate Base from I3 TB Data Sheet	\$7,636,916,057			
Rate Base Input Equals Output				



# 2018 Cost Allocation Model

**EB-2017-0049**  
**Sheet 02 Monthly Fixed Charge Min. & Max. Worksheet -**

Output sheet showing minimum and maximum level for  
Monthly Fixed Charge

**Summary**

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System  
with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
\$7.54	\$7.36	\$7.89	\$6.96	\$12.84	\$80.43	\$12.43	\$80.15	\$2.75	\$1.87	\$5.45	\$102.41	\$342.10
\$9.74	\$9.58	\$10.39	\$8.86	\$16.62	\$99.31	\$16.07	\$98.37	\$3.87	\$2.65	\$7.62	\$159.93	\$426.17
\$20.44	\$28.01	\$52.38	\$54.31	\$18.33	\$108.12	\$12.77	\$107.51	\$17.97	\$16.10	\$39.24	\$199.36	\$466.00
\$24.78	\$33.77	\$80.33	\$36.28	\$27.87	\$89.48	\$23.30	\$93.97	\$4.25	\$2.71	\$35.18	\$149.34	\$1,054.74



## 2018 Cost Allocation Model

EB-2016-0315

Sheet 16.1 Revenue Worksheet -

Total kWhs from Load Forecast	33,050,624,446
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Total kWhs from Load Forecast	39,839,869
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Deficiency/sufficiency (RRWF 8. cell F51)	- 42,318,079
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Miscellaneous Revenue (RRWF 5. cell F48)	45,510,264
--	------------

			1	2	3	4	5	6	7	8	9	10	11	12	13
	ID	Total	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
<b>Billing Data</b>															
Forecast kWh	CEN	33,050,624,446	1,910,784,408	4,853,879,676	4,652,816,190	-	2,207,062,032	2,457,598,720	604,053,832	1,036,884,037	99,400,638	13,573,825	29,489,859	27,034,065	15,158,047,163
Forecast kW	CDEM	39,839,869	-	-	-	-	-	7,860,142	-	2,698,633				197,039	29,084,055
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,152,684	-	-	-	-	-	678,071	-	311,526				163,087	-
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-	-	-	-	-	-	-	-	-				-	-
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	22,932,822,504	1,910,784,408	4,853,879,676	4,652,816,190	-	2,207,062,032	2,457,598,720	604,053,832	1,036,884,037	99,400,638	13,573,825	29,489,859	27,034,065	5,040,245,220
Existing Monthly Charge			\$24.78	\$33.77	\$80.33	\$36.28	\$27.87	\$89.48	\$23.30	\$93.97	\$4.25	\$2.71	\$35.18	\$149.34	\$1,054.74
Existing Distribution kWh Rate			\$0.0094	\$0.0230	\$0.0374	\$0.0635	\$0.0560		\$0.0262		\$0.0924	\$0.1178	\$0.0285		
Existing Distribution kW Rate								\$15.9121		\$9.0851				\$6.9518	\$1.3358
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,370,690,434	\$85,542,556	\$321,271,371	\$565,454,364	\$0	\$152,993,264	\$130,697,016	\$20,859,081	\$26,473,896	\$9,463,445	\$2,334,000	\$3,157,937	\$3,375,969	\$49,067,535
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,370,690,434	\$85,542,556	\$321,271,371	\$565,454,364	\$0	\$152,993,264	\$130,697,016	\$20,859,081	\$26,473,896	\$9,463,445	\$2,334,000	\$3,157,937	\$3,375,969	\$49,067,535



# 2018 Cost Allocation Model

EB-2016-0315

## Sheet I6.2 Customer Data Worksheet -

			1	2	3	4	5	6	7	8	9	10	11	12	13
	ID	Total	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
<b>Billing Data</b>															
Bad Debt 3 Year Historical Average	BDHA	\$26,649,115	\$3,787,171	\$9,329,490	\$7,715,126	\$0	\$2,744,091	\$1,883,540	\$635,575	\$363,264	4,145	1,880	1,129	\$40,510	143,193
Late Payment 3 Year Historical Average	LPHA	\$15,954,115	1,931,038	5,741,259	4,978,248	-	1,594,108	716,650	360,326	182,474	21,154	19,725	5,827	45,217	358,087
Number of Bills	CNB	14,406,680	2,725,286	5,648,933	4,252,128	-	1,054,818	62,870	216,003	20,821	65,606	271,219	65,875	13,434	9,687
Number of Devices											172,647				
Number of Connections (Unmetered)	CCON	38,371	-	-	-	-	-	-	-	-	21,581	11,301	5,490	-	-
Total Number of Customers	CCA	1,303,822	227,271	517,304	406,074	-	87,902	5,239	18,000	1,735	21,581	11,301	5,490	1,119	807
Bulk Customer Base	CCB	1,303,822	227,271	517,304	406,074	-	87,902	5,239	18,000	1,735	21,581	11,301	5,490	1,119	807
Primary Customer Base	CCP	1,298,708	227,271	517,304	406,074	-	87,902	5,239	18,000	1,735	17,349	11,301	5,490	968	77
Line Transformer Customer Base	CCLT	1,298,631	227,271	517,304	406,074	-	87,902	5,239	18,000	1,735	17,349	11,301	5,490	968	-
Secondary Customer Base	CCS	1,294,921	227,271	517,304	406,074	-	87,902	-	18,000	-	21,581	11,301	5,490	-	-
Weighted - Services	CWCS	1,110,724	113,635	387,978	609,111	-	-	-	-	-	-	-	-	-	-
Weighted Meter Capital	CWMC	500,110,073	76,862,914	174,952,100	137,334,208	-	53,261,299	8,332,427	10,906,713	2,759,473	-	-	-	2,113,938	33,587,001
Weighted Meter Reading	CWMR	339,050	1,979	24,357	208,325	-	46,074	42,456	4,821	11,040	-	-	-	-	-
Weighted Bills	CWNB	16,369,026	2,725,286	5,648,933	4,252,128	-	2,109,637	440,093	432,006	145,747	131,212	5,424	131,750	201,507	145,304

### Bad Debt Data

Historic Year:	2013	10,487,600	1,488,003	3,662,317	3,325,259	-	438,296	953,470	114,354	108,807	10,244	5,641	196	12,637	368,387
Historic Year:	2014	28,551,765	4,443,873	10,371,689	8,013,919	-	2,938,576	1,486,800	894,417	229,876	436	-	3,091	108,084	61,006
Historic Year:	2015	40,907,980	5,429,638	13,954,466	11,806,201	-	4,855,411	3,210,350	897,955	751,110	1,754	99	810	186	
Three-year average		26,649,115	3,787,171	9,329,490	7,715,126	-	2,744,091	1,883,540	635,575	363,264	4,145	1,880	1,129	40,510	143,193

### Street Lighting Adjustment Factors

NCP Test Results 4 NCP

	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
UR	227,271	1,761,510	227,271	1,761,510
R1	517,304	4,164,532	517,304	4,164,532
R2	406,074	4,060,902	406,074	4,060,902
Seasonal	-	-	-	-
Street Light	172,647	150,579	172,647	150,579

Street Lighting Adjustment Factors	
Primary	9.95
Line Transformer	9.95





# 2018 Cost Allocation Model

EB-2016-0315

## Sheet 18 Demand Data Worksheet -

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP

Co-Incident Peak	Indicator
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12

Non-co-Incident Peak	Indicator
1 NCP	NCP 1
4 NCP	NCP 4
12 NCP	NCP 12

Customer Classes		Total	1 UR	2 R1	3 R2	4 Seasonal	5 GSe	6 GSd	7 UGe	8 UGd	9 St Lgt	10 Sen Lgt	11 USL	12 DGen	13 ST
<b>CO-INCIDENT PEAK</b>															
<b>1 CP</b>															
Transformation CP	TCP1	5,967,277	408,876	1,165,193	1,165,410	-	379,343	314,719	101,231	124,634	21,227	3,006	3,639	7,531	2,272,469
Bulk Delivery CP	BCP1	5,869,904	395,724	1,128,374	1,129,551	-	367,575	304,634	98,005	120,598	113,340	2,912	3,526	7,284	2,197,781
Total Sytem CP	DCP1	6,063,033	408,876	1,165,193	1,165,410	-	379,343	314,719	101,231	124,634	116,982	3,006	3,639	7,531	2,272,469
<b>4 CP</b>															
Transformation CP	TCP4	23,029,903	1,681,644	4,291,126	4,078,415	-	1,452,453	1,322,606	389,959	564,693	44,816	6,475	14,628	18,327	9,164,761
Bulk Delivery CP	BCP4	22,292,706	1,627,551	4,155,533	3,952,925	-	1,407,395	1,280,222	377,533	546,408	43,421	6,274	14,173	17,726	8,863,545
Total Sytem CP	DCP4	23,029,903	1,681,644	4,291,126	4,078,415	-	1,452,453	1,322,606	389,959	564,693	44,816	6,475	14,628	18,327	9,164,761
<b>12 CP</b>															
Transformation CP	TCP12	62,842,527	4,483,616	11,053,110	10,474,092	-	4,024,758	3,875,219	1,074,353	1,673,095	116,982	16,374	44,231	46,241	25,960,457
Bulk Delivery CP	BCP12	60,829,032	4,339,394	10,703,848	10,151,812	-	3,899,902	3,751,036	1,040,119	1,618,919	113,340	15,864	42,853	44,724	25,107,221
Total Sytem CP	DCP12	62,842,527	4,483,616	11,053,110	10,474,092	-	4,024,758	3,875,219	1,074,353	1,673,095	116,982	16,374	44,231	46,241	25,960,457
<b>NON CO-INCIDENT PEAK</b>															
<b>1 NCP</b>															
Classification NCP from															
Load Data Provider	DNCP1	6,589,004	499,777	1,171,148	1,165,410	-	444,364	451,866	125,025	190,508	44,955	5,833	3,862	9,266	2,476,990
Primary NCP	PNCP1	3,955,845	478,758	1,112,629	1,094,693	-	418,877	425,887	119,241	181,436	42,444	5,508	3,646	894	71,833
Line Transformer NCP	LTNCP1	3,825,587	478,758	1,112,629	1,094,693	-	418,877	389,147	119,241	160,491	42,444	5,508	3,646	154	-
Secondary NCP	SNCP1	3,188,585	472,826	1,088,427	1,054,670	-	405,441	-	117,174	-	41,168	5,342	3,537	-	-
<b>4 NCP</b>															
Classification NCP from															
Load Data Provider	DNCP4	24,867,214	1,838,847	4,383,566	4,323,238	-	1,724,900	1,760,892	489,437	724,746	159,488	21,427	15,092	35,628	9,389,954
Primary NCP	PNCP4	14,890,396	1,761,510	4,164,532	4,060,902	-	1,625,967	1,659,653	466,795	690,234	150,579	20,230	14,249	3,437	272,309
Line Transformer NCP	LTNCP4	14,392,389	1,761,510	4,164,532	4,060,902	-	1,625,967	1,516,479	466,795	610,555	150,579	20,230	14,249	592	-
Secondary NCP	SNCP4	11,938,075	1,739,684	4,073,946	3,912,432	-	1,573,814	-	458,704	-	146,052	19,622	13,820	-	-
<b>12 NCP</b>															
Classification NCP from															
Load Data Provider	DNCP12	67,040,470	4,760,888	11,367,105	10,785,195	-	4,656,938	4,941,080	1,350,546	2,058,954	368,626	50,016	44,382	92,533	26,564,207
Primary NCP	PNCP12	39,002,789	4,560,658	10,799,123	10,130,746	-	4,389,835	4,657,003	1,288,066	1,960,908	348,035	47,222	41,903	8,926	770,364
Line Transformer NCP	LTNCP12	37,596,928	4,560,658	10,799,123	10,130,746	-	4,389,835	4,255,257	1,288,066	1,734,544	348,035	47,222	41,903	1,538	-
Secondary NCP	SNCP12	30,767,521	4,504,151	10,564,224	9,760,357	-	4,249,031	-	1,265,741	-	337,570	45,802	40,643	-	-



# 2018 Cost Allocation Model

EB-2016-0315

Sheet 01 Revenue to Cost Summary Worksheet -

Instructions:  
Please see the first tab in this workbook for detailed instructions

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base		Total	1	2	3	4	5	6	7	8	9	10	11	12	13
Assets			UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
crev mi	Distribution Revenue at Existing Rates	\$1,370,690,434	\$85,542,556	\$321,271,371	\$565,454,364	\$0	\$152,993,264	\$130,697,016	\$20,859,081	\$26,473,896	\$9,463,445	\$2,334,000	\$3,157,937	\$3,375,969	\$49,067,535
	Miscellaneous Revenue (mi)	\$45,510,264	\$4,338,409	\$12,479,573	\$15,760,045	\$0	\$4,472,225	\$2,486,267	\$754,473	\$534,939	\$320,727	\$3,063,666	\$106,829	\$145,088	\$1,048,024
Total Revenue at Existing Rates		\$1,416,200,698	\$89,880,965	\$333,750,944	\$581,214,409	\$0	\$157,465,488	\$133,183,283	\$21,613,554	\$27,008,835	\$9,784,172	\$5,397,666	\$3,264,766	\$3,521,057	\$50,115,559
Factor required to recover deficiency (1 + D)		1.0309													
	Distribution Revenue at Status Quo Rates	\$1,413,008,512	\$88,183,559	\$331,190,158	\$582,911,947	\$0	\$157,716,709	\$134,732,097	\$21,503,075	\$27,291,239	\$9,755,616	\$2,406,059	\$3,255,434	\$3,480,197	\$50,582,424
	Miscellaneous Revenue (mi)	\$45,510,264	\$4,338,409	\$12,479,573	\$15,760,045	\$0	\$4,472,225	\$2,486,267	\$754,473	\$534,939	\$320,727	\$3,063,666	\$106,829	\$145,088	\$1,048,024
Total Revenue at Status Quo Rates		\$1,458,518,777	\$92,521,967	\$343,669,732	\$598,671,992	\$0	\$162,188,933	\$137,218,364	\$22,257,548	\$27,826,178	\$10,076,342	\$5,469,725	\$3,362,262	\$3,625,285	\$51,630,448
Expenses															
di	Distribution Costs (di)	\$275,583,560	\$12,701,271	\$56,242,027	\$127,582,587	\$0	\$31,253,943	\$24,949,953	\$3,609,708	\$4,752,452	\$2,586,692	\$1,101,542	\$582,998	\$135,156	\$10,085,231
cu	Customer Related Costs (cu)	\$104,507,722	\$16,107,215	\$36,392,151	\$31,326,955	\$0	\$10,802,165	\$3,440,491	\$2,203,715	\$880,991	\$765,090	\$269,430	\$398,266	\$535,405	\$1,385,848
ad	General and Administration (ad)	\$154,315,409	\$11,324,881	\$36,765,284	\$63,763,275	\$0	\$16,961,435	\$12,329,123	\$2,336,274	\$2,492,578	\$1,331,889	\$544,467	\$385,226	\$965,896	\$5,115,082
dep	Depreciation and Amortization (dep)	\$397,789,175	\$21,997,918	\$81,398,921	\$159,885,165	\$0	\$46,834,951	\$50,427,657	\$6,400,579	\$10,011,273	\$2,699,099	\$1,494,082	\$578,143	\$799,996	\$15,161,391
INPUT	PILs (INPUT)	\$43,110,184	\$2,131,503	\$8,490,508	\$17,868,647	\$0	\$5,227,853	\$5,397,673	\$694,414	\$1,043,842	\$316,711	\$126,837	\$69,832	\$45,806	\$1,706,558
INT	Interest	\$198,282,085	\$9,803,688	\$39,051,458	\$82,185,512	\$0	\$24,045,123	\$24,826,194	\$3,147,912	\$4,801,076	\$1,456,689	\$583,379	\$321,185	\$210,683	\$7,849,185
Total Expenses		\$1,173,588,135	\$74,066,477	\$258,340,347	\$482,612,141	\$0	\$135,225,471	\$121,371,091	\$18,382,602	\$23,982,213	\$9,156,170	\$4,119,737	\$2,335,649	\$2,692,942	\$41,303,294
Direct Allocation		\$10,001,664	\$0	\$0	\$0	\$0	\$0	\$2,433,638	\$0	\$742,547	\$0	\$737,624	\$0	\$3,349,392	\$2,738,463
NI	Allocated Net Income (NI)	\$274,928,978	\$13,593,351	\$54,146,987	\$113,954,717	\$0	\$33,339,881	\$34,422,879	\$4,364,753	\$6,656,955	\$2,019,779	\$808,887	\$445,341	\$292,124	\$10,883,325
	Revenue Requirement (includes NI)	\$1,458,518,777	\$87,659,828	\$312,487,333	\$596,566,858	\$0	\$168,565,351	\$158,227,608	\$22,747,355	\$31,381,715	\$11,175,949	\$5,666,248	\$2,780,990	\$6,334,458	\$54,925,082
Revenue Requirement Input equals Output															
Rate Base Calculation															
Net Assets															
dp	Distribution Plant - Gross	\$11,246,442,784	\$570,648,313	\$2,263,804,964	\$4,708,491,521	\$0	\$1,313,499,117	\$1,379,900,540	\$171,619,688	\$267,781,468	\$80,606,004	\$32,666,749	\$17,868,509	\$13,888,865	\$425,667,044
gp	General Plant - Gross	\$1,179,976,447	\$57,591,745	\$231,568,067	\$487,693,551	\$0	\$137,883,292	\$144,938,008	\$17,941,465	\$28,077,623	\$8,538,762	\$18,537,607	\$1,902,517	\$1,432,011	\$43,871,800
accum dep	Accumulated Depreciation	(\$4,338,284,047)	(\$228,718,866)	(\$888,956,164)	(\$1,812,993,443)	\$0	(\$494,868,634)	(\$519,385,318)	(\$65,098,951)	(\$101,081,083)	(\$29,910,298)	(\$20,116,788)	(\$6,573,025)	(\$5,386,837)	(\$165,194,639)
co	Capital Contribution	(\$896,478,209)	(\$44,282,254)	(\$183,450,624)	(\$387,218,204)	\$0	(\$97,598,469)	(\$109,185,387)	(\$12,418,555)	(\$21,273,317)	(\$6,519,090)	(\$3,303,114)	(\$1,502,111)	(\$1,586,697)	(\$28,140,387)
Total Net Plant		\$7,191,656,976	\$355,238,938	\$1,422,966,244	\$2,995,973,425	\$0	\$858,915,306	\$896,267,842	\$112,043,646	\$173,504,692	\$52,715,378	\$27,784,454	\$11,695,891	\$8,347,341	\$276,203,819
Directly Allocated Net Fixed Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	Cost of Power (COP)	\$2,994,016,975	\$249,464,319	\$633,702,988	\$607,452,949	\$0	\$288,145,133	\$320,854,194	\$78,862,836	\$135,371,405	\$12,977,347	\$1,772,144	\$3,850,077	\$3,529,459	\$658,034,123
	OM&A Expenses	\$534,406,691	\$40,133,367	\$129,399,461	\$222,672,817	\$0	\$59,017,543	\$40,719,567	\$8,149,696	\$8,126,021	\$4,683,671	\$1,915,439	\$1,366,490	\$1,636,457	\$16,586,161
	Directly Allocated Expenses	\$10,001,664	\$0	\$0	\$0	\$0	\$0	\$2,433,638	\$0	\$742,547	\$0	\$737,624	\$0	\$3,349,392	\$2,738,463
	Subtotal	\$3,538,425,330	\$289,597,686	\$763,102,449	\$830,125,766	\$0	\$347,162,676	\$364,007,399	\$87,012,532	\$144,239,974	\$17,661,018	\$4,425,208	\$5,216,567	\$8,515,307	\$677,358,747
Working Capital		\$282,580,661	\$23,127,436	\$60,941,796	\$66,294,316	\$0	\$27,724,609	\$29,069,838	\$6,948,870	\$11,519,086	\$1,410,419	\$353,400	\$416,598	\$680,037	\$54,094,255
Total Rate Base		\$7,474,237,637	\$378,366,374	\$1,483,908,040	\$3,062,267,741	\$0	\$886,639,915	\$925,337,680	\$118,992,517	\$185,023,778	\$54,125,797	\$28,137,853	\$12,112,489	\$9,027,378	\$330,298,074
Rate Base Input Does Not Equal Output															
Equity Component of Rate Base		\$2,989,695,055	\$151,346,550	\$593,563,216	\$1,224,907,096	\$0	\$354,655,966	\$370,135,072	\$47,597,007	\$74,009,511	\$21,650,319	\$11,255,141	\$4,844,996	\$3,610,951	\$132,119,230
Net Income on Allocated Assets		\$274,928,978	\$18,455,491	\$85,329,385	\$116,059,851	\$0	\$26,963,463	\$13,413,635	\$3,874,946	\$3,101,418	\$920,172	\$612,364	\$1,026,613	(\$2,417,049)	\$7,588,690
Net Income on Direct Allocation Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Income		\$274,928,978	\$18,455,491	\$85,329,385	\$116,059,851	\$0	\$26,963,463	\$13,413,635	\$3,874,946	\$3,101,418	\$920,172	\$612,364	\$1,026,613	(\$2,417,049)	\$7,588,690
RATIOS ANALYSIS															
REVENUE TO EXPENSES STATUS QUO%		100.00%	1.06	1.10	1.00	0.00%	0.96	0.87	0.98	0.89	0.90	0.97	1.21	0.57	0.94
EXISTING REVENUE MINUS ALLOCATED COSTS		(\$42,318,079)	\$2,221,137	\$21,263,611	(\$15,352,450)	\$0	(\$11,099,863)	(\$25,044,325)	(\$1,133,801)	(\$4,372,879)	(\$1,391,777)	(\$268,582)	\$483,775	(\$2,813,401)	(\$4,809,523)
Deficiency Input equals Output															
STATUS QUO REVENUE MINUS ALLOCATED COSTS		(\$0)	\$4,862,139	\$31,182,398	\$2,105,133	\$0	(\$6,376,418)	(\$21,009,245)	(\$489,807)	(\$3,555,536)	(\$1,099,607)	(\$196,523)	\$581,272	(\$2,709,173)	(\$3,294,634)
RETURN ON EQUITY COMPONENT OF RATE BASE		9.20%	12.19%	14.38%	9.47%	0.00%	7.60%	3.62%	8.14%	4.19%	4.25%	5.44%	21.19%	-66.94%	5.74%



# 2018 Cost Allocation Model

EB-2016-0315

Sheet 02 Monthly Fixed Charge Min. & Max. Worksheet -

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	DGen	ST
\$7.54	\$7.28	\$7.72	0	\$12.87	\$80.88	\$12.44	\$80.51	\$2.75	\$1.87	\$5.45	\$102.41	\$342.11
\$9.74	\$9.45	\$10.12	0	\$16.66	\$99.93	\$16.10	\$98.85	\$3.87	\$2.65	\$7.62	\$159.93	\$426.15
\$20.32	\$27.39	\$51.21	0	\$17.76	\$108.04	\$12.53	\$107.63	\$17.74	\$16.09	\$39.24	\$199.35	\$465.92
\$24.78	\$33.77	\$80.33	\$36.28	\$27.87	\$89.48	\$23.30	\$93.97	\$4.25	\$2.71	\$35.18	\$149.34	\$1,054.74

2018 Status Quo Rate Design (suspension year for residential phase-in to all-fixed rates'

	Number of Customers	GWh	kWs	Revenue	Costs Allocated from Previous Study (2017)			Alloc Cost	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	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
				(A)	(\$)	(%)	(\$)	(%)	(C)	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)		(K= (H - C) x M)	(M)	(L=H-C-K)					
UR		227,025	1,910	-	\$ 93,715,921	\$ 79,598,952	5.42%	\$ 87,059,508	5.97%	\$ 4,325,677	\$ 89,390,244	1.10	1.08	\$ 93,715,921	\$ -	0.0%	\$ 25.20	\$ 68,657,917	77%	\$ 20,732,327	\$ 0.0109				
R1		447,465	4,592	-	\$ 311,661,664	\$ 282,627,936	19.26%	\$ 284,982,262	19.54%	\$ 11,526,031	\$ 300,135,633	1.10	1.09	\$ 311,661,664	\$ -	0.0%	\$ 33.88	\$ 181,933,167	61%	\$ 118,202,466	\$ 0.0257				
R2		328,479	4,331	-	\$ 514,688,866	\$ 544,114,242	37.07%	\$ 530,060,694	36.34%	\$ 14,078,592	\$ 500,610,274	0.95	0.97	\$ 514,688,866	\$ -	0.0%	\$ 81.52	\$ 321,337,217	64%	\$ 179,273,058	\$ 0.0414				
Seasonal		147,679	585	-	\$ 108,863,543	\$ 108,746,448	7.41%	\$ 100,014,746	6.86%	\$ 2,733,912	\$ 106,129,631	1.04	1.09	\$ 108,863,543	\$ -	0.0%	\$ 36.75	\$ 65,125,072	61%	\$ 41,004,559	\$ 0.0700				
GSe		87,902	2,207	-	\$ 164,464,563	\$ 161,477,751	11.00%	\$ 166,325,615	11.40%	\$ 4,436,233	\$ 160,028,330	0.99	0.99	\$ 164,464,563	\$ -	0.0%	\$ 30.66	\$ 32,343,657	20%	\$ 127,684,673	\$ 0.0579				
GSd		5,239	2,458	7,860,142	\$ 139,157,912	\$ 152,368,182	10.38%	\$ 156,011,944	10.70%	\$ 2,451,074	\$ 136,706,837	0.95	0.89	\$ 139,157,912	\$ -	0.0%	\$ 102.80	\$ 6,463,088	5%	\$ 130,243,750		\$ 16.5702	\$ 0.0643	\$ 0.0078	\$ 16.6423
UGe		18,000	604	-	\$ 22,568,020	\$ 22,785,476	1.55%	\$ 22,453,096	1.54%	\$ 749,778	\$ 21,818,241	0.95	1.01	\$ 22,568,020	\$ -	0.0%	\$ 23.95	\$ 5,173,307	24%	\$ 16,644,934	\$ 0.0276				
UGd		1,735	1,037	2,698,633	\$ 28,219,379	\$ 31,755,025	2.16%	\$ 30,958,791	2.12%	\$ 528,137	\$ 27,691,241	0.95	0.91	\$ 28,219,379	\$ -	0.0%	\$ 96.08	\$ 2,000,545	7%	\$ 25,690,697		\$ 9.5199	\$ 0.0643		\$ 9.5842
St Lgt		5,467	99	-	\$ 10,217,116	\$ 12,719,453	0.87%	\$ 11,039,561	0.76%	\$ 318,514	\$ 9,898,602	0.95	0.93	\$ 10,217,116	\$ -	0.0%	\$ 3.24	\$ 212,566	2%	\$ 9,686,035	\$ 0.0974				
Sen Lgt		22,602	14	-	\$ 5,505,002	\$ 7,616,602	0.52%	\$ 5,666,911	0.39%	\$ 3,063,678	\$ 2,441,324	0.95	0.97	\$ 5,505,002	\$ -	0.0%	\$ 2.44	\$ 661,084	27%	\$ 1,780,240	\$ 0.1312				
USL		5,490	29	-	\$ 3,409,981	\$ 2,953,443	0.20%	\$ 2,781,236	0.19%	\$ 106,833	\$ 3,303,148	1.10	1.23	\$ 3,254,046	\$ (155,935)	-4.7%	\$ 36.82	\$ 2,425,810	77%	\$ 721,403	\$ 0.0245				
DGen		1,119	27	197,039	\$ 3,676,293	\$ 7,407,470	0.50%	\$ 6,334,421	0.43%	\$ 145,087	\$ 3,531,206	0.61	0.58	\$ 3,832,228	\$ 155,935	4.4%	\$ 170.17	\$ 2,286,027	62%	\$ 1,401,113		\$ 7.1108	\$ 0.0643		\$ 7.1751
ST		807	15,158	29,084,055	\$ 52,370,519	\$ 53,453,334	3.64%	\$ 54,829,992	3.76%	\$ 1,046,718	\$ 51,323,800	0.95	0.96	\$ 52,370,519	\$ -	0.0%	N/A*	\$ 9,602,798	19%	\$ 41,721,002		N/A*			N/A*
1,299,009		33,051	39,839,869	\$	1,458,518,777	\$ 1,467,624,315	100%	\$ 1,458,518,777	100%	\$ 45,510,264	\$ 1,413,008,512			\$ 1,458,518,777	\$0			\$ 698,222,255		\$ 714,786,257					
																				Total Rev (K+L)	\$	1,413,008,512			
																				Misc Rev (C)	\$	45,510,264			
																				Total Rev Req	\$	1,458,518,777			
* ST Rates are calculated outside of this rate design model.																									

2019 Status Quo Rate Design Including 3rd Year of Residential 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	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
				(Y)	(Z)	(A=Y*X <sub>RevReq</sub> )	(B=B <sub>2018</sub> *X <sub>AllocCost</sub> )	(C=C <sub>2018</sub> *X <sub>MiscRev</sub> )	(D=A-C)	(E)	(F=A/B)		(G)	(H=BxG)	(I=H-A)	(J=I/D)		(K= (H - C) x M)	(M)	(L=H-C-K)					
UR	229,781	1,900	-	\$ 94,425,591	\$ 93,715,921	\$ 97,456,815	\$ 89,407,793	\$ 4,308,737	\$ 93,148,078	1.08	1.09		1.09	\$ 97,456,815	\$ -	0.0%	\$ 28.63	\$ 78,932,271	85%	\$ 14,215,807	\$ 0.0075				
R1	451,387	4,560	-	\$ 312,372,298	\$ 311,661,664	\$ 322,399,985	\$ 292,669,183	\$ 11,480,894	\$ 310,919,091	1.09	1.10		1.10	\$ 322,399,985	\$ -	0.0%	\$ 38.74	\$ 209,850,596	67%	\$ 101,068,495	\$ 0.0222				
R2	330,183	4,249	-	\$ 512,908,126	\$ 514,688,866	\$ 529,373,358	\$ 544,358,198	\$ 14,023,459	\$ 515,349,900	0.97	0.97		0.97	\$ 529,373,358	\$ -	0.0%	\$ 91.85	\$ 363,942,106	71%	\$ 151,407,793	\$ 0.0356				
Seasonal	148,020	571	-	\$ 107,997,130	\$ 108,863,543	\$ 111,464,023	\$ 102,712,477	\$ 2,723,206	\$ 108,740,818	1.09	1.09		1.09	\$ 111,464,023	\$ -	0.0%	\$ 39.04	\$ 69,344,019	64%	\$ 39,396,798	\$ 0.0690				
GSe	87,625	2,154	-	\$ 161,248,010	\$ 164,464,563	\$ 166,424,349	\$ 170,811,971	\$ 4,418,860	\$ 162,005,488	0.99	0.97		0.97	\$ 166,424,349	\$ -	0.0%	\$ 31.14	\$ 32,743,264	20%	\$ 129,262,224	\$ 0.0600				
GSd	5,276	2,418	7,748,892	\$ 137,349,953	\$ 139,157,912	\$ 141,759,123	\$ 160,220,106	\$ 2,441,476	\$ 139,317,647	0.89	0.88		0.89	\$ 141,954,753	\$ 195,631	0.1%	\$ 104.18	\$ 6,595,768	5%	\$ 132,917,510		\$ 17.1531	\$ 0.0646	\$ 0.0082	\$ 17.2259
UGe	18,050	595	-	\$ 22,321,131	\$ 22,568,020	\$ 23,037,678	\$ 23,058,731	\$ 746,842	\$ 22,290,836	1.01	1.00		1.00	\$ 23,037,678	\$ -	0.0%	\$ 24.40	\$ 5,285,364	24%	\$ 17,005,472	\$ 0.0286				
UGd	1,739	1,022	2,639,651	\$ 27,660,690	\$ 28,219,379	\$ 28,548,646	\$ 31,793,852	\$ 526,069	\$ 28,022,577	0.91	0.90		0.90	\$ 28,548,646	\$ -	0.0%	\$ 96.99	\$ 2,024,482	7%	\$ 25,998,095		\$ 9.8491	\$ 0.0646		\$ 9.9137
St Lgt	5,504	99	-	\$ 10,208,743	\$ 10,217,116	\$ 10,536,461	\$ 11,337,334	\$ 317,267	\$ 10,219,194	0.93	0.93		0.93	\$ 10,536,461	\$ -	0.0%	\$ 3.32	\$ 219,451	2%	\$ 9,999,743	\$ 0.1007				
Sen Lgt	22,444	13	-	\$ 5,466,326	\$ 5,505,002	\$ 5,641,804	\$ 5,819,766	\$ 3,051,680	\$ 2,590,124	0.97	0.97		0.96	\$ 5,561,951	\$ (79,853)	-3.1%	\$ 2.52	\$ 679,754	27%	\$ 1,830,517	\$ 0.1366				
USL	5,522	29	-	\$ 3,267,438	\$ 3,254,046	\$ 3,372,328	\$ 2,856,255	\$ 106,415	\$ 3,265,914	1.17	1.18		1.18	\$ 3,372,328	\$ -	0.0%	\$ 37.99	\$ 2,517,302	77%	\$ 748,611	\$ 0.0254				
DGen	1,236	28	202,720	\$ 4,109,806	\$ 3,832,228	\$ 4,241,738	\$ 6,505,281	\$ 144,519	\$ 4,097,219	0.60	0.65		0.63	\$ 4,125,961	\$ (115,777)	-2.8%	\$ 165.97	\$ 2,461,457	62%	\$ 1,519,985		\$ 7.4979	\$ 0.0646		\$ 7.5625
ST	810	15,003	28,760,523	\$ 51,936,336	\$ 52,370,519	\$ 53,603,582	\$ 56,308,940	\$ 1,042,619	\$ 52,560,962	0.96	0.95		0.95	\$ 53,603,582	\$ -	0.0%	N/A*	\$ 9,834,274	19%	\$ 42,726,688		N/A*			N/A*
1,307,578		32,641	39,351,786	\$ 1,451,271,578	\$ 1,458,518,777	\$ 1,497,859,890	\$ 1,497,859,890	\$ 45,332,042	\$ 1,452,527,848					\$ 1,497,859,890	\$ 0			\$ 784,430,109		\$ 668,097,738					

\* ST Rates are calculated outside of this rate design model.

2019 Adjustments (from 2018 Revenue Requirement) by Rate Class			
	2018	2019	%
			(X)
Revenue Requirement***	\$ 1,451,271,578	\$ 1,497,859,890	103.21%
Alloc Cost	\$ 1,458,518,777	\$ 1,497,859,890	102.70%
Misc Revenue	\$ 45,510,264	\$ 45,332,042	99.61%

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

Total Rev (K+L)	\$ 1,452,527,848
Misc Rev (C)	\$ 45,332,042
Total Rev Req	\$ 1,497,859,890

2020 Status Quo Rate Design Including 4th Year of Residential Phase-in to All-Fixed Rates

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

\* ST Rates are calculated outside of this rate design model.

2020 Adjustments (from 2019 Revenue Requirement) by Rate Class			
	2019	2020	%
Revenue Requirement***	\$ 1,498,126,145	\$ 1,531,697,495	102.24%
Alloc Cost	\$ 1,497,859,890	\$ 1,531,697,495	102.26%
Misc Revenue	\$ 45,332,042	\$ 45,518,109	100.41%

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

Total Rev (K+L)	\$ 1,486,179,385
Misc Rev (C)	\$ 45,518,109
Total Rev Req	\$ 1,531,697,495

2021 Status Quo Rate Design Including 5th Year of Residential Phase-in to All-Fixed Rates

Number of Customers	GWh	kW	Revenue - with 2020 rates and 2021 charge determinants		2020 Revenue	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2020 R/C Ratio	R/C Ratio	Target 2021 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
(Y)	(Z)	(A=Y*X <sub>RevReq</sub> )	(B=B <sub>2020</sub> *X <sub>AllocCost</sub> )	(C=C <sub>2020</sub> *X <sub>MiscRev</sub> )	(D=A-C)	(E)	(F=A/B)	(G)	(H=B*G)	(I=H-A)	(J=I/D)	(K= (H - C) x M)	(M)	(L=H-C-K)										
UR		235,238	1,920	\$ 101,762,778	\$ 100,684,724	\$ 104,446,513	\$ 94,183,880	\$ 4,319,996	\$ 100,126,517	1.101	1.109	1.109	\$ 104,446,513	-	0%	\$ 35.47	\$ 100,126,517	100%	\$ -	\$0.0000				
R1		459,104	4,589	\$ 333,630,241	\$ 331,281,769	\$ 342,428,892	\$ 308,303,316	\$ 11,510,896	\$ 330,917,996	1.107	1.111	1.111	\$ 342,428,892	-	0%	\$ 48.44	\$ 266,885,807	81%	\$ 64,032,189	\$1.3954				
R2		333,607	4,181	\$ 543,010,931	\$ 541,631,029	\$ 557,331,467	\$ 573,437,338	\$ 14,060,104	\$ 543,271,362	0.973	0.972	0.972	\$ 557,331,467	-	0%	\$ 112.29	\$ 449,513,935	83%	\$ 93,757,427	\$2.2424				
Seasonal		148,656	555	\$ 113,283,136	\$ 113,495,321	\$ 116,270,692	\$ 108,199,288	\$ 2,730,322	\$ 113,540,370	1.081	1.075	1.075	\$ 116,270,692	-	0%	\$ 50.10	\$ 89,369,846	79%	\$ 24,170,524	\$4.3513				
GSe		87,424	2,096	\$ 166,557,709	\$ 168,068,364	\$ 170,950,246	\$ 179,936,598	\$ 4,430,408	\$ 166,519,839	0.962	0.950	0.950	\$ 170,950,246	-	0%	\$ 32.08	\$ 33,655,669	20%	\$ 132,864,169	\$6.3386				
GSd		5,365	2,392	\$ 144,300,209	\$ 144,507,998	\$ 148,105,761	\$ 168,778,925	\$ 2,447,856	\$ 145,657,905	0.882	0.878	0.878	\$ 148,105,761	-	0%	\$ 106.97	\$ 6,886,267	5%	\$ 138,771,638		\$18.0353	0.0836	0.0087	\$18.1276
UGe		18,220	589	\$ 23,438,419	\$ 23,462,354	\$ 24,056,548	\$ 24,290,508	\$ 748,794	\$ 23,307,754	0.995	0.990	0.990	\$ 24,056,548	-	0%	\$ 25.28	\$ 5,526,485	24%	\$ 17,781,269	\$3.0190				
UGd		1,755	1,014	\$ 2,581,634	\$ 28,623,256	\$ 28,856,845	\$ 29,378,122	\$ 33,492,252	\$ 27,444	0.888	0.877	0.877	\$ 29,378,122	-	0%	\$ 98.98	\$ 2,084,308	7%	\$ 26,766,370		\$10.3680	0.0836		\$10.4516
St Lgt		5,579	100	\$ 10,824,420	\$ 10,786,455	\$ 11,109,887	\$ 11,942,965	\$ 318,096	\$ 10,791,791	0.930	0.930	0.930	\$ 11,109,887	-	0%	\$ 3.46	\$ 231,747	2%	\$ 10,560,044	\$10.5833				
Sen Lgt		22,139	13	\$ 5,649,838	\$ 5,672,856	\$ 5,798,838	\$ 6,130,653	\$ 3,059,655	\$ 2,739,184	0.953	0.946	0.946	\$ 5,798,838	-	0%	\$ 2.79	\$ 741,741	27%	\$ 1,997,443	\$15.1762				
USL		5,589	30	\$ 3,251,219	\$ 3,233,088	\$ 3,336,962	\$ 3,008,834	\$ 106,693	\$ 3,230,269	1.107	1.109	1.109	\$ 3,336,962	-	0%	\$ 37.13	\$ 2,489,828	77%	\$ 740,441	\$2.4830				
DGen		1,465	30	\$ 216,001	\$ 5,498,436	\$ 5,192,517	\$ 5,643,444	\$ 6,852,788	\$ 144,897	0.781	0.824	0.824	\$ 5,643,444	-	0%	\$ 193.98	\$ 3,409,099	62%	\$ 2,089,448		\$9.6733	0.0836		\$9.7669
ST		816	15,108	\$ 30,486,196	\$ 57,500,461	\$ 54,824,175	\$ 59,016,890	\$ 59,316,914	\$ 1,045,344	0.952	0.995	0.995	\$ 59,016,890	-	0%	N/A*	\$ 10,846,606	19%	\$ 47,124,939		N/A*			N/A*
1,324,957		32,618	40,978,292	\$ 1,537,331,054	\$ 1,531,697,495	\$ 1,577,874,260	\$ 1,577,874,260	\$ 45,450,503	\$ 1,532,423,757				\$ 1,577,874,260			\$ 971,767,856		\$ 560,655,901						

\* ST Rates are calculated outside of this rate design model.

2021 Adjustments (from 2020 Revenue Requirement) by Rate Class

	2020	2021	% (X)
Revenue Requirement**	\$ 1,537,331,054	\$ 1,577,874,260	102.64%
Alloc Cost	\$ 1,531,697,495	\$ 1,577,874,260	103.01%
Misc Revenue	\$ 45,518,109	\$ 45,450,503	99.85%

\*\* 2020: Revenue with 2020 rates and 2021 charge determinants  
2021: 2021 Revenue before rate design adjustments

Total Rev (K+L)	\$ 1,532,423,757
Misc Rev (C)	\$ 45,450,503
Total Rev Req	\$ 1,577,874,260

2018 Seasonal Eliminated Rate Design (suspension year for residential phase-in to all-fixed rates)

	Number of Customers	GWh	kWs	Revenue	Costs Allocated from Previous Study (2017)	Alloc Cost	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	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)		
				(A)	(\$)	(%)	(\$)	(%)	(C)	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)	(K= (H - C) x M)	(M)	(L=H-C-K)						
UR		227,271	1,911		\$ 92,521,967	\$ 79,598,952	5.42%	\$ 87,659,828	6.01%	\$ 4,338,409	\$ 88,183,559	1.100	1.055	\$ 92,521,967	\$ -	0.0%	\$ 24.83	\$ 67,731,098	77%	\$ 20,452,460	\$ 1.0704				
R1		517,304	4,854		\$ 343,669,732	\$ 282,627,936	19.26%	\$ 312,487,333	21.42%	\$ 12,479,573	\$ 331,190,158	1.100	1.100	\$ 343,669,732	\$ -	0.0%	\$ 32.34	\$ 200,757,483	61%	\$ 130,432,675	\$ 2.6872				
R2		406,074	4,653		\$ 598,671,992	\$ 544,114,242	37.07%	\$ 596,566,858	40.90%	\$ 15,760,045	\$ 582,911,947	0.955	1.004	\$ 598,671,992	\$ -	0.0%	\$ 76.79	\$ 374,165,917	64%	\$ 208,746,029	\$ 4.4864				
Seasonal		-	-		\$ -	\$ 108,746,448	7.41%	\$ -	0.00%	\$ -	\$ -	1.043	0.000	\$ -	\$ -	0.0%	\$ -	\$ -		\$ -					
GSe		87,902	2,207		\$ 162,188,933	\$ 161,477,751	11.00%	\$ 168,565,351	11.56%	\$ 4,472,225	\$ 157,716,709	0.994	0.962	\$ 162,188,933	\$ -	0.0%	\$ 30.22	\$ 31,876,450	20%	\$ 125,840,258	\$ 5.7017				
GSd		5,239	2,458	7,860,142	\$ 137,218,364	\$ 152,368,182	10.38%	\$ 158,227,608	10.85%	\$ 2,486,267	\$ 134,732,097	0.955	0.867	\$ 137,218,364	\$ -	0.0%	\$ 101.32	\$ 6,369,728	5%	\$ 128,362,369		\$ 16.3308	\$ 0.0643	\$ 0.0077	\$ 16.4028
UGe		18,000	604		\$ 22,257,548	\$ 22,785,476	1.56%	\$ 22,747,355	1.56%	\$ 754,473	\$ 21,503,075	0.955	0.978	\$ 22,257,548	\$ -	0.0%	\$ 23.60	\$ 5,098,578	24%	\$ 16,404,497	\$ 2.7157				
UGd		1,735	1,037	2,698,633	\$ 27,826,178	\$ 31,755,025	2.16%	\$ 31,381,715	2.15%	\$ 534,939	\$ 27,291,239	0.955	0.887	\$ 27,826,178	\$ -	0.0%	\$ 94.70	\$ 1,971,647	7%	\$ 25,319,593		\$ 9.3824	\$ 0.0643		\$ 9.4467
St Lgt		5,467	99		\$ 10,076,342	\$ 12,719,453	0.87%	\$ 11,175,949	0.77%	\$ 320,727	\$ 9,755,616	0.955	0.902	\$ 10,076,342	\$ -	0.0%	\$ 3.19	\$ 209,496	2%	\$ 9,546,120	\$ 9.6037				
Sen Lgt		22,602	14		\$ 5,469,725	\$ 7,616,602	0.52%	\$ 5,666,248	0.39%	\$ 3,063,666	\$ 2,406,059	0.955	0.965	\$ 5,469,725	\$ -	0.0%	\$ 2.40	\$ 651,534	27%	\$ 1,754,525	\$ 12.9258				
USL		5,490	29		\$ 3,362,262	\$ 2,953,443	0.20%	\$ 2,780,990	0.19%	\$ 106,829	\$ 3,255,434	1.100	1.209	\$ 3,156,424	\$ (205,838)	-6.3%	\$ 35.68	\$ 2,350,568	77%	\$ 699,027	\$ 2.3704				
DGen		1,119	27	197,039	\$ 3,625,285	\$ 7,407,470	0.50%	\$ 6,334,458	0.43%	\$ 145,088	\$ 3,480,197	0.614	0.572	\$ 3,831,123	\$ 205,838	5.9%	\$ 170.12	\$ 2,285,342	62%	\$ 1,400,693		\$ 7.1087	\$ 0.0643		\$ 7.1730
ST		807	15,158	29,084,055	\$ 51,630,448	\$ 53,453,334	3.64%	\$ 54,925,082	3.77%	\$ 1,048,024	\$ 50,582,424	0.955	0.940	\$ 51,630,448	\$ -	0.0%	N/A*	\$ 9,464,085	19%	\$ 41,118,339		N/A*		N/A*	
1,299,009		33,051	39,839,869	\$ 1,458,518,777	\$ 1,467,624,315	100%	\$ 1,458,518,777	100%	\$ 45,510,264	\$ 1,413,008,512				\$ 1,458,518,777	\$ -			\$ 702,931,928		\$ 710,076,584					

\* ST Rates are calculated outside of this rate design model.

Total Rev (K+L) \$ 1,413,008,512  
Misc Rev (C) \$ 45,510,264  
Total Rev Req \$ 1,458,518,777



2019 Seasonal Eliminated Rate Design Including 3rd Year of Residential 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	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
		(Y)	(Z)	(A=Y*X <sub>RevReq</sub> )	(B=B <sub>2018</sub> *X <sub>AllocCost</sub> )	(C=C <sub>2018</sub> *X <sub>MiscRev</sub> )	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)	(K= (H - C) x M)	(M)	(L=H-C-K)									
UR		230,027	1,901	\$ 93,212,554	\$ 92,521,967	\$ 96,193,103	\$ 90,024,306	\$ 4,321,419	\$ 91,871,684	1.055	1.069	1.069	\$ 96,193,103	\$ -	0.0%	\$ 28.20	\$ 77,850,670	85%	\$ 14,021,014	\$ 0.7374					
R1		521,388	4,815	\$ 344,167,024	\$ 343,669,732	\$ 355,172,054	\$ 320,916,158	\$ 12,430,702	\$ 342,741,352	1.100	1.107	1.107	\$ 355,172,054	\$ -	0.0%	\$ 36.97	\$ 231,334,854	67%	\$ 111,406,498	\$ 2.3136					
R2		407,957	4,563	\$ 596,343,385	\$ 598,671,992	\$ 615,411,967	\$ 612,658,255	\$ 15,698,327	\$ 599,713,640	1.004	1.004	1.004	\$ 615,411,967	\$ -	0.0%	\$ 86.51	\$ 423,503,523	71%	\$ 176,210,117	\$ 3.8616					
Seasonal		0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.000	0.000	0.000	\$ -	\$ -	0.0%	\$ -	\$ -		\$ -	\$ -					
GSe		87,625	2,154	\$ 159,021,487	\$ 162,188,933	\$ 164,106,332	\$ 173,112,121	\$ 4,454,711	\$ 159,651,621	0.962	0.948	0.948	\$ 164,106,332	\$ -	0.0%	\$ 30.69	\$ 32,267,520	20%	\$ 127,384,102	\$ 5.9150					
GSd		5,276	2,418	\$ 135,436,558	\$ 137,218,364	\$ 139,767,256	\$ 162,495,534	\$ 2,476,530	\$ 137,290,726	0.867	0.860	0.860	\$ 139,767,256	\$ -	0.0%	\$ 102.52	\$ 6,490,692	5%	\$ 130,800,033	\$ -	\$ 16.8798	\$ 0.0646	\$ 0.0081	\$ 16.9525	
UGe		18,050	595	\$ 22,013,290	\$ 22,257,548	\$ 22,717,183	\$ 23,360,927	\$ 751,518	\$ 21,965,665	0.978	0.972	0.972	\$ 22,717,183	\$ -	0.0%	\$ 24.05	\$ 5,208,263	24%	\$ 16,757,402	\$ 2.8179					
UGd		1,739	1,022	\$ 27,275,668	\$ 27,826,178	\$ 28,147,831	\$ 32,228,184	\$ 532,844	\$ 27,614,987	0.887	0.873	0.873	\$ 28,147,831	\$ -	0.0%	\$ 95.58	\$ 1,995,036	7%	\$ 25,619,951	\$ -	\$ 9.7058	\$ 0.0646		\$ 9.7704	
St Lgt		5,504	99	\$ 10,067,852	\$ 10,076,342	\$ 10,389,780	\$ 11,477,402	\$ 319,471	\$ 10,070,310	0.902	0.905	0.905	\$ 10,389,780	\$ -	0.0%	\$ 3.27	\$ 216,254	2%	\$ 9,854,056	\$ 9.9222					
Sen Lgt		22,444	13	\$ 5,430,154	\$ 5,469,725	\$ 5,603,788	\$ 5,819,086	\$ 3,051,669	\$ 2,552,119	0.965	0.963	0.963	\$ 5,603,788	\$ -	0.0%	\$ 2.57	\$ 691,086	27%	\$ 1,861,034	\$ 13.8881					
USL		5,522	29	\$ 3,169,524	\$ 3,156,424	\$ 3,270,872	\$ 2,856,003	\$ 106,410	\$ 3,164,462	1.135	1.145	1.145	\$ 3,270,872	\$ -	0.0%	\$ 36.81	\$ 2,439,105	77%	\$ 725,356	\$ 2.4608					
DGen		1,236	28	\$ 4,108,633	\$ 3,831,123	\$ 4,240,010	\$ 6,505,319	\$ 144,520	\$ 4,095,490	0.605	0.652	0.652	\$ 4,240,010	\$ -	0.0%	\$ 171.21	\$ 2,539,204	62%	\$ 1,556,286	\$ -	\$ 7.6770	\$ 0.0646		\$ 7.7416	
ST		810	15,003	\$ 51,202,470	\$ 51,630,448	\$ 52,839,712	\$ 56,406,595	\$ 1,043,920	\$ 51,795,792	0.940	0.937	0.937	\$ 52,839,712	\$ -	0.0%	N/A*	\$ 9,691,109	19%	\$ 42,104,683	\$ -	N/A*			N/A*	
1,307,578		32,641	39,351,786	\$ 1,451,448,600	\$ 1,458,518,777	\$ 1,497,859,890	\$ 1,497,859,890	\$ 45,332,042	\$ 1,452,527,848				\$ 1,497,859,890	\$ -			\$ 794,227,315		\$ 658,300,533						

\* ST Rates are calculated outside of this rate design model.

2019 Adjustments (from 2018 Revenue Requirement) by Rate Class

	2018	2019	% (X)
Revenue Requirement***	\$ 1,451,448,600	\$ 1,497,859,890	103.20%
Alloc Cost	\$ 1,458,518,777	\$ 1,497,859,890	102.70%
Misc Revenue	\$ 45,510,264	\$ 45,332,042	99.61%

\*\*\* 2018: Revenue with 2018 rates and 2019 charge determinants

2019: 2019 Revenue before rate design adjustments

Total Rev (K+L)	\$ 1,452,527,848
Misc Rev (C)	\$ 45,332,042
Total Rev Req	\$ 1,497,859,890

2020 Seasonal Eliminated Rate Design Including 4th Year of Residential Phase-in to All-Fixed Rates

	Number of Customers	GWh	kW	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	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
(Y)	(Z)	(A=Y*X <sub>RevReq</sub> )	(B=B <sub>2019</sub> *X <sub>AllocCost</sub> )	(C=C <sub>2019</sub> *X <sub>MiscRev</sub> )	(D=A-C)	(E)	(F=A/B)	(G)	(H=BxG)	(I=H-A)	(J=I/D)	(K= (H - C) x M)	(M)	(L=H-C-K)										
UR	232,756	1,909		\$ 97,178,580	\$ 96,193,103	\$ 99,346,211	\$ 92,058,012	\$ 4,339,157	\$ 95,007,054	1.069	1.079		\$ 99,346,211	\$ -	0%	\$ 31.43	\$ 87,783,840	92%	\$ 7,223,214	\$ 0.3784				
R1	525,413	4,821		\$ 357,110,636	\$ 355,172,054	\$ 365,076,219	\$ 328,165,858	\$ 12,481,725	\$ 352,594,494	1.107	1.112	1.111	\$ 364,518,280	\$ (557,939)	0%	\$ 41.39	\$ 260,986,614	74%	\$ 91,049,941	\$ 1.8887				
R2	409,788	4,516		\$ 615,580,260	\$ 615,411,967	\$ 629,311,174	\$ 626,498,594	\$ 15,762,762	\$ 613,548,412	1.004	1.004	1.004	\$ 629,311,174	\$ -	0%	\$ 95.75	\$ 470,870,645	77%	\$ 142,677,767	\$ 3.1591				
Seasonal				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.000	0.000	0.000	\$ -	\$ -	0%	\$ -	\$ -		\$ -					
GSe	87,464	2,120		\$ 162,099,287	\$ 164,106,332	\$ 165,715,016	\$ 177,022,833	\$ 4,472,996	\$ 161,242,020	0.948	0.936	0.936	\$ 165,715,016	\$ -	0%	\$ 31.05	\$ 32,588,958	20%	\$ 128,653,062	\$ 6.0677				
GSd	5,320	2,401	7,709,334	\$ 139,163,276	\$ 139,767,256	\$ 142,267,402	\$ 166,166,411	\$ 2,486,695	\$ 139,780,707	0.860	0.856	0.856	\$ 142,267,402	\$ -	0%	\$ 103.52	\$ 6,608,411	5%	\$ 133,172,296		\$ 17.2742	\$ 0.0650	\$ 0.0083	\$ 17.3475
UGe	18,123	591		\$ 22,630,280	\$ 22,717,183	\$ 23,135,063	\$ 23,888,665	\$ 754,603	\$ 22,380,460	0.972	0.968	0.968	\$ 23,135,063	\$ -	0%	\$ 24.40	\$ 5,306,615	24%	\$ 17,073,845	\$ 2.8904				
UGd	1,746	1,016	2,605,735	\$ 27,828,344	\$ 28,147,831	\$ 28,449,073	\$ 32,956,239	\$ 535,031	\$ 27,914,042	0.873	0.863	0.863	\$ 28,449,073	\$ -	0%	\$ 96.25	\$ 2,016,641	7%	\$ 25,897,401		\$ 9.9386	\$ 0.0650	\$ 10.0036	
St Lgt	5,541	99		\$ 10,403,081	\$ 10,389,780	\$ 10,635,129	\$ 11,736,683	\$ 320,782	\$ 10,314,347	0.905	0.906	0.906	\$ 10,635,129	\$ -	0%	\$ 3.33	\$ 221,494	2%	\$ 10,092,853	\$ 10.1516				
Sen Lgt	22,274	13		\$ 5,592,060	\$ 5,603,788	\$ 5,716,794	\$ 5,950,543	\$ 3,064,195	\$ 2,652,600	0.963	0.961	0.961	\$ 5,716,794	\$ -	-4%	\$ 2.69	\$ 718,295	27%	\$ 1,934,305	\$ 14.5926				
USL	5,555	30		\$ 3,290,780	\$ 3,270,872	\$ 3,364,183	\$ 2,920,522	\$ 106,847	\$ 3,257,336	1.145	1.152	1.111	\$ 3,244,041	\$ (120,142)	15%	\$ 36.27	\$ 2,418,088	77%	\$ 719,106	\$ 2.4234				
DGen	1,356	29	209,833	\$ 4,542,421	\$ 4,240,010	\$ 4,643,742	\$ 6,652,279	\$ 145,113	\$ 4,498,630	0.652	0.698	0.800	\$ 5,321,823	\$ 678,080	0%	\$ 197.21	\$ 3,209,560	62%	\$ 1,967,150		\$ 9.3749	\$ 0.0650	\$ 9.4399	
ST	813	15,026	28,747,748	\$ 52,858,447	\$ 52,839,712	\$ 54,037,488	\$ 57,680,855	\$ 1,048,205	\$ 52,989,283	0.937	0.937	0.937	\$ 54,037,488	\$ -	0%	N/A*	\$ 9,914,414	19%	\$ 43,074,870		N/A*		N/A*	
1,316,150				32,572	39,272,650	\$ 1,498,277,452	\$ 1,497,859,890	\$ 1,531,697,495	\$ 1,531,697,495	\$ 45,518,109	\$ 1,486,179,385			\$ 1,531,697,495	\$ (0)			\$ 882,643,575	\$ 603,535,810					

\* ST Rates are calculated outside of this rate design model.

2020 Adjustments (from 2019 Revenue Requirement) by Rate Class			
	2019	2020	%
Revenue Requirement***	\$ 1,498,277,452	\$ 1,531,697,495	102.23%
Alloc Cost	\$ 1,497,859,890	\$ 1,531,697,495	102.26%
Misc Revenue	\$ 45,332,042	\$ 45,518,109	100.41%

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

Total Rev (K+L)	\$ 1,486,179,385
Misc Rev (C)	\$ 45,518,109
Total Rev Req	\$ 1,531,697,495

2021 Seasonal Eliminated Rate Design Including 5th Year of Residential Phase-in to All-Fixed Rates

Number of Customers		GWh	kW	Revenue - with 2020 rates and 2021 charge determinants	2020 Revenue	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2020 R/C Ratio	R/C Ratio	Target 2021 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Base Fixed Charge (\$/month)	Revenue from Fixed Charge	Fixed Rev %	Revenue from Volumetric Charge	Base Volumetric Charge (\$/kWh)	Base Volumetric Charge (\$/kW)	CSTA Rate Adders (\$/kW)	Hopper Foundry Rate Adder (\$/kW)	Total Volumetric Charge (\$/kW)
				(Y)	(Z)	(A=Y*X <sub>RevReq</sub> )	(B=B <sub>2020</sub> *X <sub>AllocCost</sub> )	(C=C <sub>2020</sub> *X <sub>MiscRev</sub> )	(D=A-C)	(E)	(F=A/B)	(G)	(H=B*G)	(I=H-A)	(J=I/D)		(K= (H - C) x M)	(M)	(L=H-C-K)					
UR		235,485	1,921	\$ 100,417,271	\$ 99,346,211	\$ 103,067,525	\$ 94,833,326	\$ 4,332,712	\$ 98,734,813	1.079	1.087	1.087	\$ 103,067,525	-	0%	\$ 34.94	\$ 98,734,813	100%	\$ -	\$0.0000				
R1		529,405	4,838	\$ 366,776,538	\$ 364,518,280	\$ 376,456,653	\$ 338,059,220	\$ 12,463,186	\$ 363,993,467	1.111	1.114	1.114	\$ 376,456,653	-	0%	\$ 46.21	\$ 293,558,339	81%	\$ 70,435,127	\$1.4566				
R2		411,716	4,487	\$ 630,548,349	\$ 629,311,174	\$ 647,190,037	\$ 645,385,325	\$ 15,739,350	\$ 631,450,687	1.004	1.003	1.003	\$ 647,190,037	-	0%	\$ 105.70	\$ 522,237,716	83%	\$ 109,212,971	\$2.4340				
Seasonal				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.000	0.000	0.000	\$ -	-	0%	\$ -	\$ -	-	\$ -	\$0.0000				
GSe		87,424	2,096	\$ 164,226,384	\$ 165,715,016	\$ 168,560,714	\$ 182,359,619	\$ 4,466,352	\$ 164,094,362	0.936	0.924	0.924	\$ 168,560,714	-	0%	\$ 31.61	\$ 33,165,451	20%	\$ 130,928,911	\$6.2463				
GSd		5,365	2,392	\$ 142,062,542	\$ 142,267,402	\$ 145,811,914	\$ 171,175,904	\$ 2,483,002	\$ 143,328,912	0.856	0.852	0.852	\$ 145,811,914	-	0%	\$ 105.26	\$ 6,776,159	5%	\$ 136,552,753		\$17.7469	0.0836	0.0086	\$17.8391
UGe		18,220	589	\$ 23,111,873	\$ 23,135,063	\$ 23,721,851	\$ 24,608,847	\$ 753,482	\$ 22,968,369	0.968	0.964	0.964	\$ 23,721,851	-	0%	\$ 24.91	\$ 5,446,013	24%	\$ 17,522,355	\$2.9751				
UGd		1,755	1,014	\$ 28,218,871	\$ 28,448,073	\$ 28,963,634	\$ 33,949,786	\$ 534,237	\$ 28,429,398	0.863	0.853	0.853	\$ 28,963,634	-	0%	\$ 97.54	\$ 2,053,873	7%	\$ 26,375,525		\$10.2166	0.0836		\$10.3002
St Lgt		5,579	100	\$ 10,672,498	\$ 10,635,129	\$ 10,954,171	\$ 12,090,514	\$ 320,305	\$ 10,633,866	0.906	0.906	0.906	\$ 10,954,171	-	0%	\$ 3.41	\$ 229,356	2%	\$ 10,405,510	\$10.4284				
Sen Lgt		22,139	13	\$ 5,694,933	\$ 5,716,794	\$ 5,845,236	\$ 6,129,936	\$ 3,059,643	\$ 2,785,592	0.961	0.954	0.954	\$ 5,845,236	-	0%	\$ 2.84	\$ 754,308	27%	\$ 2,031,284	\$15.4333				
USL		5,589	30	\$ 3,261,787	\$ 3,244,041	\$ 3,347,873	\$ 3,008,568	\$ 106,688	\$ 3,241,185	1.111	1.113	1.113	\$ 3,347,873	-	0%	\$ 37.25	\$ 2,498,242	77%	\$ 742,943	\$2.4914				
DGen		1,465	30	\$ 5,635,658	\$ 5,321,823	\$ 5,784,396	\$ 6,852,828	\$ 144,897	\$ 5,639,499	0.800	0.844	0.844	\$ 5,784,396	-	0%	\$ 198.96	\$ 3,496,489	62%	\$ 2,143,010		\$9.9213	0.0836		\$10.0049
ST		816	15,108	\$ 56,674,481	\$ 54,037,488	\$ 58,170,257	\$ 59,419,786	\$ 1,046,648	\$ 57,123,609	0.937	0.979	0.979	\$ 58,170,257	-	0%	N/A*	\$ 10,687,955	19%	\$ 46,435,653		N/A*			N/A*
1,324,957		32,618	40,978,292	\$ 1,537,301,184	\$ 1,531,697,495	\$ 1,577,874,260	\$ 1,577,874,260	\$ 45,450,503	\$ 1,532,423,757				\$ 1,577,874,260				\$ 979,637,714		\$ 552,786,043					

\* ST Rates are calculated outside of this rate design model.

2021 Adjustments (from 2020 Revenue Requirement) by Rate Class			
	2020	2021	% (X)
Revenue Requirement**	\$ 1,537,301,184	\$ 1,577,874,260	102.64%
Alloc Cost	\$ 1,531,697,495	\$ 1,577,874,260	103.01%
Misc Revenue	\$ 45,518,109	\$ 45,450,503	99.85%

\*\* 2020: Revenue with 2020 rates and 2021 charge determinants  
2021: 2021 Revenue before rate design adjustments

Total Rev (K+L)	\$ 1,532,423,757
Misc Rev (C)	\$ 45,450,503
Total Rev Req	\$ 1,577,874,260



## Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

### Year-Round Urban Density Residential (UR) - Proposed 2019 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	230,027
kWh	1,901,431,164

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 91,871,684.01
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Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 24.83
Distribution Volumetric Rate (\$/kWh)	\$ 0.0107

#### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 24.83	230,027	\$ 68,552,506.01	77.11%
Variable	\$ 0.0107	1,901,431,164	\$ 20,352,345.82	22.89%
<b>TOTAL</b>	-	-	\$ 88,904,851.84	-

#### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	3
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 70,840,162.72	\$ 25.66	\$ 70,829,855.40
Variable	\$ 21,031,521.29	\$ 0.0111	\$ 21,105,885.92
<b>TOTAL</b>	\$ 91,871,684.01	-	\$ 91,935,741.31

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	84.74%	\$ 77,850,669.81	\$ 28.20	\$ 77,841,072.57
Variable	15.26%	\$ 14,021,014.19	\$ 0.0074	\$ 14,070,590.61
<b>TOTAL</b>	-	\$ 91,871,684.01	-	\$ 91,911,663.18

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 2.54
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$39,979.18 0.04%

#### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Urban Density Residential (UR) - Proposed 2020 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	232,756
kWh	1,908,701,798
Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	
	\$ 95,007,054.19
Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 28.20
Distribution Volumetric Rate (\$/kWh)	\$ 0.0074

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 28.20	232,756	\$ 78,764,796.10	84.79%
Variable	\$ 0.0074	1,908,701,798	\$ 14,124,393.31	15.21%
<b>TOTAL</b>	-	-	\$ 92,889,189.41	-

### C Calculating Test Year Base Rates

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

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 80,560,626.04	\$ 28.84	\$ 80,552,365.94
Variable	\$ 14,446,428.14	\$ 0.0076	\$ 14,506,133.67
<b>TOTAL</b>	\$ 95,007,054.19	-	\$ 95,058,499.61

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	92.40%	\$ 87,783,840.11	\$ 31.43	\$ 87,786,437.64
Variable	7.60%	\$ 7,223,214.07	\$ 0.0038	\$ 7,253,066.83
<b>TOTAL</b>	-	\$ 95,007,054.19	-	\$ 95,039,504.47

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 2.59
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$32,450.29 0.03%

### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Urban Density Residential (UR) - Proposed 2021 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	235,485
kWh	1,920,852,131

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 98,734,812.78
--	------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 31.43
Distribution Volumetric Rate (\$/kWh)	\$ 0.0038

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 31.43	235,485	\$ 88,815,364.12	92.41%
Variable	\$ 0.0038	1,920,852,131	\$ 7,299,238.10	7.59%
<b>TOTAL</b>	-	-	\$ 96,114,602.21	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	1
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 91,236,587.85	\$ 32.29	\$ 91,245,564.98
Variable	\$ 7,498,224.94	\$ 0.0039	\$ 7,491,323.31
<b>TOTAL</b>	\$ 98,734,812.78	-	\$ 98,736,888.29

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	100.00%	\$ 98,734,812.78	\$ 34.94	\$ 98,733,974.62
Variable	0.00%	\$ -	\$ -	\$ -
<b>TOTAL</b>	-	\$ 98,734,812.78	-	\$ 98,733,974.62

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 2.65
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	(\$838.17) 0.00%

### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Medium Density Residential (R1) - Proposed 2019 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	521,388
kWh	4,815,306,074

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 342,741,351.99
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 32.34
Distribution Volumetric Rate (\$/kWh)	\$ 0.0269

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 32.34	521,388	\$ 202,342,485.06	60.99%
Variable	\$ 0.0269	4,815,306,074	\$ 129,396,131.05	39.01%
<b>TOTAL</b>	-	-	\$ 331,738,616.11	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	6
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 209,053,554.59	\$ 33.41	\$ 209,034,810.58
Variable	\$ 133,687,797.40	\$ 0.0278	\$ 133,865,508.86
<b>TOTAL</b>	\$ 342,741,351.99	-	\$ 342,900,319.44

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	67.50%	\$ 231,334,854.16	\$ 36.97	\$ 231,308,498.87
Variable	32.50%	\$ 111,406,497.83	\$ 0.0231	\$ 111,233,570.31
<b>TOTAL</b>	-	\$ 342,741,351.99	-	\$ 342,542,069.18

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 3.56
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	(\$199,282.80)
	-0.06%

### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Medium Density Residential (R1) - Proposed 2020 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	525,413
kWh	4,820,847,835

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 352,036,555.63
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 36.97
Distribution Volumetric Rate (\$/kWh)	\$ 0.0231

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 36.97	525,413	\$ 233,094,200.21	67.67%
Variable	\$ 0.0231	4,820,847,835	\$ 111,361,584.98	32.33%
<b>TOTAL</b>	-	-	\$ 344,455,785.19	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	5
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 238,224,128.92	\$ 37.78	\$ 238,201,214.07
Variable	\$ 113,812,426.70	\$ 0.0236	\$ 113,772,008.90
<b>TOTAL</b>	\$ 352,036,555.63	-	\$ 351,973,222.96

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	74.14%	\$ 260,986,614.27	\$ 41.39	\$ 260,962,102.97
Variable	25.86%	\$ 91,049,941.36	\$ 0.0189	\$ 91,114,024.07
<b>TOTAL</b>	-	\$ 352,036,555.63	-	\$ 352,076,127.04

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 3.61
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$39,571.41 0.01%

### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)



# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Medium Density Residential (R1) - Proposed 2021 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	529,405
kWh	4,837,700,553

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 363,993,466.75
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 41.39
Distribution Volumetric Rate (\$/kWh)	\$ 0.0189

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 41.39	529,405	\$ 262,945,117.84	74.20%
Variable	\$ 0.0189	4,837,700,553	\$ 91,432,540.45	25.80%
<b>TOTAL</b>	-	-	\$ 354,377,658.29	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	4
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 270,079,963.47	\$ 42.51	\$ 270,060,327.60
Variable	\$ 93,913,503.27	\$ 0.0194	\$ 93,851,390.73
<b>TOTAL</b>	\$ 363,993,466.75	-	\$ 363,911,718.33

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	80.65%	\$ 293,558,339.29	\$ 46.21	\$ 293,565,931.27
Variable	19.35%	\$ 70,435,127.46	\$ 0.0146	\$ 70,630,428.07
<b>TOTAL</b>	-	\$ 363,993,466.75	-	\$ 364,196,359.35

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 3.70
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$202,892.60 0.06%

### Notes:

- <sup>1</sup> The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- <sup>2</sup> The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- <sup>3</sup> Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Low Density Residential (R2) - Proposed 2019 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	407,957
kWh	4,563,091,815

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 599,713,639.68
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 76.79
Distribution Volumetric Rate (\$/kWh)	\$ 0.0449

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 76.79	407,957	\$ 375,901,256.48	64.74%
Variable	\$ 0.0449	4,563,091,815	\$ 204,720,594.94	35.26%
<b>TOTAL</b>	-	-	\$ 580,621,851.42	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	6
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 388,261,499.51	\$ 79.31	\$ 388,261,091.08
Variable	\$ 211,452,140.16	\$ 0.0463	\$ 211,271,151.03
<b>TOTAL</b>	\$ 599,713,639.68	-	\$ 599,532,242.11

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	70.62%	\$ 423,503,522.88	\$ 86.51	\$ 423,508,599.03
Variable	29.38%	\$ 176,210,116.80	\$ 0.0386	\$ 176,135,344.06
<b>TOTAL</b>	-	\$ 599,713,639.68	-	\$ 599,643,943.09

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 7.20
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	(\$69,696.59)
	-0.01%

#### Notes:

- <sup>1</sup> The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11, Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- <sup>2</sup> The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- <sup>3</sup> Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Low Density Residential (R2) - Proposed 2020 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	409,788
kWh	4,516,434,531

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 613,548,412
--	----------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 86.51
Distribution Volumetric Rate (\$/kWh)	\$ 0.0386

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 86.51	409,788	\$ 425,409,117.37	70.93%
Variable	\$ 0.0386	4,516,434,531	\$ 174,334,372.89	29.07%
<b>TOTAL</b>	-	-	\$ 599,743,490.26	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	5
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 435,201,203.13	\$ 88.50	\$ 435,194,854.78
Variable	\$ 178,347,209.15	\$ 0.0395	\$ 178,399,163.97
<b>TOTAL</b>	\$ 613,548,412.29	-	\$ 613,594,018.75

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	76.75%	\$ 470,870,644.96	\$ 95.75	\$ 470,846,410.68
Variable	23.25%	\$ 142,677,767.32	\$ 0.0316	\$ 142,719,331.17
<b>TOTAL</b>	-	\$ 613,548,412.29	-	\$ 613,565,741.86

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 7.25
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$17,329.57 0.00%

### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to RUC ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

# Revenue Requirement Workform (RRWF) for 2017 Filers

New Rate Design Policy For Residential Customers  
Please complete the following tables.

## Year-Round Low Density Residential (R2) - Proposed 2021 Distribution Rates

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

Test Year Billing Determinants for Residential Class	
Customers	411,716
kWh	4,486,997,406

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 631,450,686.79
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 95.75
Distribution Volumetric Rate (\$/kWh)	\$ 0.0316

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$ 95.75	411,716	\$ 473,061,173.87	76.94%
Variable	\$ 0.0316	4,486,997,406	\$ 141,789,118.03	23.06%
<b>TOTAL</b>	-	-	\$ 614,850,291.90	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	4
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 485,833,392.40	\$ 98.34	\$ 485,857,293.35
Variable	\$ 145,617,294.39	\$ 0.0325	\$ 145,827,415.70
<b>TOTAL</b>	\$ 631,450,686.79	-	\$ 631,684,709.04

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	82.70%	\$ 522,237,716.00	\$ 105.70	\$ 522,220,011.26
Variable	17.30%	\$ 109,212,970.79	\$ 0.0243	\$ 109,034,036.97
<b>TOTAL</b>	-	\$ 631,450,686.79	-	\$ 631,254,048.22

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 7.36
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	(\$196,638.56)
	-0.03%

#### Notes:

- The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to RUC ratios).
- The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

Appendix F:

2021 Bill Impact Sheets for Seasonal Status Quo

**2021 Bill Impacts (Low Consumption Level) - UR**

Filed: 2019-07-19  
 EB-2016-0315  
 HONI Elimination of Seasonal Class Update  
 Appendix F  
 Page 1 of 48

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	350	0.077	26.95	350	0.077	26.95	0.00	0.00%	35.62%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>26.95</b>			<b>26.95</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.62%</b>	
TOU-Off Peak	228	0.065	14.79	228	0.065	14.79	0.00	0.00%		19.02%
TOU-Mid Peak	60	0.094	5.59	60	0.094	5.59	0.00	0.00%		7.19%
TOU-On Peak	63	0.134	8.44	63	0.134	8.44	0.00	0.00%		10.86%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>28.82</b>			<b>28.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.09%</b>	<b>37.07%</b>
Service Charge	1	31.91	31.91	1	35.47	35.47	3.56	11.16%	46.88%	45.62%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	350	0.0038	1.33	350	0.0000	0.00	-1.33	-100.00%	0.00%	0.00%
Volumetric Foregone Revenue Charge	350	0.0000	0.00	350	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	350	0.0000	0.00	350	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>33.24</b>			<b>35.47</b>	<b>2.23</b>	<b>6.71%</b>	<b>46.88%</b>	<b>45.62%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.75%	0.73%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.0770	1.54	20	0.0770	1.54	0.00	0.00%	2.03%	1.98%
Line Losses on Cost of Power (based on TOU prices)	20	0.0824	1.64	20	0.0824	1.64	0.00	0.00%	2.17%	2.11%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>35.35</b>			<b>37.58</b>	<b>2.23</b>	<b>6.31%</b>	<b>49.66%</b>	<b>48.33%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>35.45</b>			<b>37.68</b>	<b>2.23</b>	<b>6.29%</b>	<b>49.80%</b>	<b>48.47%</b>
Retail Transmission Rate – Network Service Rate	370	0.0084	3.11	370	0.0084	3.11	0.00	0.00%	4.11%	4.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	370	0.0074	2.74	370	0.0074	2.74	0.00	0.00%	3.62%	3.52%
<b>Sub-Total: Retail Transmission</b>			<b>5.85</b>			<b>5.85</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.72%</b>	<b>7.52%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>41.19</b>			<b>43.42</b>	<b>2.23</b>	<b>5.41%</b>	<b>57.38%</b>	<b>55.85%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>41.30</b>			<b>43.53</b>	<b>2.23</b>	<b>5.40%</b>	<b>57.53%</b>	<b>55.99%</b>
Wholesale Market Service Rate (WMS) - not including CBR	370	0.0030	1.11	370	0.0030	1.11	0.00	0.00%	1.47%	1.43%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	370	0.0004	0.15	370	0.0004	0.15	0.00	0.00%	0.20%	0.19%
Rural Rate Protection Charge	370	0.0005	0.18	370	0.0005	0.18	0.00	0.00%	0.24%	0.24%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.33%	0.32%
<b>Sub-Total: Regulatory</b>			<b>1.69</b>			<b>1.69</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.24%</b>	<b>2.18%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>69.83</b>			<b>72.06</b>	<b>2.23</b>	<b>3.19%</b>	<b>95.24%</b>	
HST		0.13	9.08		0.13	9.37	0.29	3.19%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>78.91</b>			<b>81.43</b>	<b>2.52</b>	<b>3.19%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-5.59		-0.08	-5.77	-0.18	-3.19%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>73.33</b>			<b>75.67</b>	<b>2.34</b>	<b>3.19%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>71.81</b>			<b>74.04</b>	<b>2.23</b>	<b>3.11%</b>		<b>95.24%</b>
HST		0.13	9.34		0.13	9.63	0.29	3.11%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>81.15</b>			<b>83.67</b>	<b>2.52</b>	<b>3.11%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-5.75		-0.08	-5.92	-0.18	-3.11%		-7.62%
<b>Total Amount on TOU</b>			<b>75.40</b>			<b>77.75</b>	<b>2.34</b>	<b>3.11%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - UR**

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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	38.17%	
Energy Second Tier	150	0.089	13.35	150	0.089	13.35	0.00	0.00%	11.03%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>59.55</b>			<b>59.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>49.20%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		25.75%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		9.74%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		14.70%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.03%</b>	<b>50.19%</b>
Service Charge	1	31.91	31.91	1	35.47	35.47	3.56	11.16%	29.31%	28.83%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	750	0.0038	2.85	750	0.0000	0.00	-2.85	-100.00%	0.00%	0.00%
Volumetric Foregone Revenue Charge	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>34.76</b>			<b>35.47</b>	<b>0.71</b>	<b>2.04%</b>	<b>29.31%</b>	<b>28.83%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.47%	0.46%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.0890	3.80	43	0.0890	3.80	0.00	0.00%	3.14%	3.09%
Line Losses on Cost of Power (based on TOU prices)	43	0.0824	3.52	43	0.0824	3.52	0.00	0.00%	2.91%	2.86%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>39.13</b>			<b>39.84</b>	<b>0.71</b>	<b>1.81%</b>	<b>32.92%</b>	<b>32.38%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>38.85</b>			<b>39.56</b>	<b>0.71</b>	<b>1.83%</b>	<b>32.69%</b>	<b>32.15%</b>
Retail Transmission Rate – Network Service Rate	793	0.0084	6.66	793	0.0084	6.66	0.00	0.00%	5.50%	5.41%
Retail Transmission Rate – Line and Transformation Connection Service Rate	793	0.0074	5.87	793	0.0074	5.87	0.00	0.00%	4.85%	4.77%
<b>Sub-Total: Retail Transmission</b>			<b>12.53</b>			<b>12.53</b>	<b>0.00</b>	<b>0.00%</b>	<b>10.35%</b>	<b>10.18%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>51.66</b>			<b>52.37</b>	<b>0.71</b>	<b>1.37%</b>	<b>43.27%</b>	<b>42.56%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>51.38</b>			<b>52.09</b>	<b>0.71</b>	<b>1.38%</b>	<b>43.04%</b>	<b>42.33%</b>
Wholesale Market Service Rate (WMS) - not including CBR	793	0.0030	2.38	793	0.0030	2.38	0.00	0.00%	1.97%	1.93%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	793	0.0004	0.32	793	0.0004	0.32	0.00	0.00%	0.26%	0.26%
Rural Rate Protection Charge	793	0.0005	0.40	793	0.0005	0.40	0.00	0.00%	0.33%	0.32%
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%
<b>Sub-Total: Regulatory</b>			<b>3.34</b>			<b>3.34</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.76%</b>	<b>2.72%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>114.55</b>			<b>115.26</b>	<b>0.71</b>	<b>0.62%</b>	<b>95.24%</b>	
HST		0.13	14.89		0.13	14.98	0.09	0.62%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>129.44</b>			<b>130.25</b>	<b>0.80</b>	<b>0.62%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-9.16		-0.08	-9.22	-0.06	-0.62%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>120.28</b>			<b>121.03</b>	<b>0.75</b>	<b>0.62%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>116.48</b>			<b>117.19</b>	<b>0.71</b>	<b>0.61%</b>		<b>95.24%</b>
HST		0.13	15.14		0.13	15.23	0.09	0.61%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>131.62</b>			<b>132.42</b>	<b>0.80</b>	<b>0.61%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-9.32		-0.08	-9.38	-0.06	-0.61%		-7.62%
<b>Total Amount on TOU</b>			<b>122.30</b>			<b>123.05</b>	<b>0.75</b>	<b>0.61%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (High Consumption Level) - UR**

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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	23.16%	
Energy Second Tier	800	0.089	71.20	800	0.089	71.20	0.00	0.00%	35.70%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>117.40</b>			<b>117.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>58.86%</b>	
TOU-Off Peak	910	0.065	59.15	910	0.065	59.15	0.00	0.00%		30.08%
TOU-Mid Peak	238	0.094	22.37	238	0.094	22.37	0.00	0.00%		11.38%
TOU-On Peak	252	0.134	33.77	252	0.134	33.77	0.00	0.00%		17.17%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>115.29</b>			<b>115.29</b>	<b>0.00</b>	<b>0.00%</b>	<b>57.81%</b>	<b>58.62%</b>
Service Charge	1	31.91	31.91	1	35.47	35.47	3.56	11.16%	17.78%	18.04%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,400	0.0038	5.32	1,400	0.0000	0.00	-5.32	-100.00%	0.00%	0.00%
Volumetric Foregone Revenue Charge	1,400	0.0000	0.00	1,400	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,400	0.0000	0.00	1,400	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>37.23</b>			<b>35.47</b>	<b>-1.76</b>	<b>-4.73%</b>	<b>17.78%</b>	<b>18.04%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.29%	0.29%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.0890	7.10	80	0.0890	7.10	0.00	0.00%	3.56%	3.61%
Line Losses on Cost of Power (based on TOU prices)	80	0.0824	6.57	80	0.0824	6.57	0.00	0.00%	3.29%	3.34%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>44.90</b>			<b>43.14</b>	<b>-1.76</b>	<b>-3.92%</b>	<b>21.63%</b>	<b>21.94%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>44.37</b>			<b>42.61</b>	<b>-1.76</b>	<b>-3.97%</b>	<b>21.37%</b>	<b>21.67%</b>
Retail Transmission Rate – Network Service Rate	1,480	0.0084	12.43	1,480	0.0084	12.43	0.00	0.00%	6.23%	6.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,480	0.0074	10.95	1,480	0.0074	10.95	0.00	0.00%	5.49%	5.57%
<b>Sub-Total: Retail Transmission</b>			<b>23.38</b>			<b>23.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>11.72%</b>	<b>11.89%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>68.28</b>			<b>66.52</b>	<b>-1.76</b>	<b>-2.58%</b>	<b>33.35%</b>	<b>33.82%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>67.75</b>			<b>65.99</b>	<b>-1.76</b>	<b>-2.60%</b>	<b>33.09%</b>	<b>33.56%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,480	0.0030	4.44	1,480	0.0030	4.44	0.00	0.00%	2.23%	2.26%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,480	0.0004	0.59	1,480	0.0004	0.59	0.00	0.00%	0.30%	0.30%
Rural Rate Protection Charge	1,480	0.0005	0.74	1,480	0.0005	0.74	0.00	0.00%	0.37%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
<b>Sub-Total: Regulatory</b>			<b>6.02</b>			<b>6.02</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.02%</b>	<b>3.06%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>191.70</b>			<b>189.94</b>	<b>-1.76</b>	<b>-0.92%</b>	<b>95.24%</b>	
HST		0.13	24.92		0.13	24.69	-0.23	-0.92%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>216.63</b>			<b>214.64</b>	<b>-1.99</b>	<b>-0.92%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-15.34		-0.08	-15.20	0.14	0.92%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>201.29</b>			<b>199.44</b>	<b>-1.85</b>	<b>-0.92%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>189.06</b>			<b>187.30</b>	<b>-1.76</b>	<b>-0.93%</b>		<b>95.24%</b>
HST		0.13	24.58		0.13	24.35	-0.23	-0.93%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>213.64</b>			<b>211.65</b>	<b>-1.99</b>	<b>-0.93%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-15.13		-0.08	-14.98	0.14	0.93%		-7.62%
<b>Total Amount on TOU</b>			<b>198.52</b>			<b>196.67</b>	<b>-1.85</b>	<b>-0.93%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (Low Consumption Level) - R1 (with DRP)**

Rate Class	R1 (with DRP)
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	400	0.077	30.80	400	0.077	30.80	0.00	0.00%	37.19%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>30.80</b>			<b>30.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.19%</b>	
TOU-Off Peak	260	0.065	16.90	260	0.065	16.90	0.00	0.00%		19.83%
TOU-Mid Peak	68	0.094	6.39	68	0.094	6.39	0.00	0.00%		7.50%
TOU-On Peak	72	0.134	9.65	72	0.134	9.65	0.00	0.00%		11.32%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>32.94</b>			<b>32.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>39.78%</b>	<b>38.65%</b>
Service Charge	1	43.36	43.36	1	48.44	48.44	5.08	11.72%	58.49%	56.83%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	400	0.0181	7.24	400	0.0140	5.60	-1.64	-22.65%	6.76%	6.57%
Volumetric Foregone Revenue Charge	400	0.0000	0.00	400	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	400	0.0000	0.00	400	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			-13.74			-17.18	-3.44	-25.04%	-20.75%	-20.16%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>44.51%</b>	<b>43.25%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.69%	0.67%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.0770	2.34	30	0.0770	2.34	0.00	0.00%	2.83%	2.75%
Line Losses on Cost of Power (based on TOU prices)	30	0.0824	2.50	30	0.0824	2.50	0.00	0.00%	3.02%	2.94%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>39.77</b>			<b>39.77</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.02%</b>	<b>46.66%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>39.93</b>			<b>39.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.22%</b>	<b>46.85%</b>
Retail Transmission Rate – Network Service Rate	430	0.0078	3.36	430	0.0078	3.36	0.00	0.00%	4.05%	3.94%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.007	3.01	430	0.0070	3.01	0.00	0.00%	3.64%	3.53%
<b>Sub-Total: Retail Transmission</b>			<b>6.37</b>			<b>6.37</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.69%</b>	<b>7.47%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>46.14</b>			<b>46.14</b>	<b>0.00</b>	<b>0.00%</b>	<b>55.72%</b>	<b>54.14%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>46.30</b>			<b>46.30</b>	<b>0.00</b>	<b>0.00%</b>	<b>55.91%</b>	<b>54.33%</b>
Wholesale Market Service Rate (WMS) - not including CBR	430	0.0030	1.29	430	0.0030	1.29	0.00	0.00%	1.56%	1.51%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	430	0.0004	0.17	430	0.0004	0.17	0.00	0.00%	0.21%	0.20%
Rural Rate Protection Charge	430	0.0005	0.22	430	0.0005	0.22	0.00	0.00%	0.26%	0.25%
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%
<b>Sub-Total: Regulatory</b>			<b>1.93</b>			<b>1.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.33%</b>	<b>2.26%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>78.87</b>			<b>78.87</b>	<b>0.00</b>	<b>0.00%</b>	<b>95.24%</b>	
HST		0.13	10.25		0.13	10.25	0.00	0.00%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>89.12</b>			<b>89.12</b>	<b>0.00</b>	<b>0.00%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-6.31		-0.08	-6.31	0.00	0.00%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>82.81</b>			<b>82.81</b>	<b>0.00</b>	<b>0.00%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>81.17</b>			<b>81.17</b>	<b>0.00</b>	<b>0.00%</b>		<b>95.24%</b>
HST		0.13	10.55		0.13	10.55	0.00	0.00%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>91.72</b>			<b>91.72</b>	<b>0.00</b>	<b>0.00%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-6.49		-0.08	-6.49	0.00	0.00%		-7.62%
<b>Total Amount on TOU</b>			<b>85.23</b>			<b>85.23</b>	<b>0.00</b>	<b>0.00%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Low Consumption Level) - R1 (without DRP)**

Rate Class	R1 (without DRP)
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	400	0.077	30.80	400	0.077	30.80	0.00	0.00%	30.54%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>30.80</b>			<b>30.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.54%</b>	
TOU-Off Peak	260	0.065	16.90	260	0.065	16.90	0.00	0.00%		16.36%
TOU-Mid Peak	68	0.094	6.39	68	0.094	6.39	0.00	0.00%		6.19%
TOU-On Peak	72	0.134	9.65	72	0.134	9.65	0.00	0.00%		9.34%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>32.94</b>			<b>32.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>32.66%</b>	<b>31.90%</b>
Service Charge	1	43.36	43.36	1	48.44	48.44	5.08	11.72%	48.03%	46.91%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	400	0.0181	7.24	400	0.0140	5.60	-1.64	-22.65%	5.55%	5.42%
Volumetric Foregone Revenue Charge	400	0.0000	0.00	400	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	400	0.0000	0.00	400	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>50.60</b>			<b>54.04</b>	<b>3.44</b>	<b>6.80%</b>	<b>53.58%</b>	<b>52.33%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.57%	0.55%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.0770	2.34	30	0.0770	2.34	0.00	0.00%	2.32%	2.27%
Line Losses on Cost of Power (based on TOU prices)	30	0.0824	2.50	30	0.0824	2.50	0.00	0.00%	2.48%	2.42%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>53.51</b>			<b>56.95</b>	<b>3.44</b>	<b>6.43%</b>	<b>56.47%</b>	<b>55.15%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>53.67</b>			<b>57.11</b>	<b>3.44</b>	<b>6.41%</b>	<b>56.63%</b>	<b>55.31%</b>
Retail Transmission Rate – Network Service Rate	430	0.0078	3.36	430	0.0078	3.36	0.00	0.00%	3.33%	3.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.007	3.01	430	0.0070	3.01	0.00	0.00%	2.99%	2.92%
<b>Sub-Total: Retail Transmission</b>			<b>6.37</b>			<b>6.37</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.32%</b>	<b>6.17%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>59.88</b>			<b>63.32</b>	<b>3.44</b>	<b>5.74%</b>	<b>62.79%</b>	<b>61.32%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>60.04</b>			<b>63.48</b>	<b>3.44</b>	<b>5.73%</b>	<b>62.95%</b>	<b>61.47%</b>
Wholesale Market Service Rate (WMS) - not including CBR	430	0.0030	1.29	430	0.0030	1.29	0.00	0.00%	1.28%	1.25%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	430	0.0004	0.17	430	0.0004	0.17	0.00	0.00%	0.17%	0.17%
Rural Rate Protection Charge	430	0.0005	0.22	430	0.0005	0.22	0.00	0.00%	0.21%	0.21%
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%
<b>Sub-Total: Regulatory</b>			<b>1.93</b>			<b>1.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.91%</b>	<b>1.87%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>92.61</b>			<b>96.05</b>	<b>3.44</b>	<b>3.71%</b>	<b>95.24%</b>	
HST		0.13	12.04		0.13	12.49	0.45	3.71%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>104.65</b>			<b>108.54</b>	<b>3.89</b>	<b>3.71%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-7.41		-0.08	-7.68	-0.28	-3.71%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>97.24</b>			<b>100.85</b>	<b>3.61</b>	<b>3.71%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>94.91</b>			<b>98.35</b>	<b>3.44</b>	<b>3.62%</b>		<b>95.24%</b>
HST		0.13	12.34		0.13	12.79	0.45	3.62%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>107.25</b>			<b>111.14</b>	<b>3.89</b>	<b>3.62%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-7.59		-0.08	-7.87	-0.28	-3.62%		-7.62%
<b>Total Amount on TOU</b>			<b>99.66</b>			<b>103.27</b>	<b>3.61</b>	<b>3.62%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - R1 (with DRP)**

Rate Class	R1 (with DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	37.48%	
Energy Second Tier	150	0.089	13.35	150	0.089	13.35	0.00	0.00%	10.83%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>59.55</b>			<b>59.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.31%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		25.31%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		9.57%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		14.45%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>50.11%</b>	<b>49.34%</b>
Service Charge	1	43.36	43.36	1	48.44	48.44	5.08	11.72%	39.30%	38.69%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	750	0.0181	13.58	750	0.0140	10.50	-3.08	-22.65%	8.52%	8.39%
Volumetric Foregone Revenue Charge	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			-20.08			-22.08	-2.01	-9.99%	-17.91%	-17.64%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>29.90%</b>	<b>29.44%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.46%	0.46%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.0890	5.07	57	0.0890	5.07	0.00	0.00%	4.12%	4.05%
Line Losses on Cost of Power (based on TOU prices)	57	0.0824	4.69	57	0.0824	4.69	0.00	0.00%	3.81%	3.75%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>42.50</b>			<b>42.50</b>	<b>0.00</b>	<b>0.00%</b>	<b>34.48%</b>	<b>33.95%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>42.12</b>			<b>42.12</b>	<b>0.00</b>	<b>0.00%</b>	<b>34.17%</b>	<b>33.65%</b>
Retail Transmission Rate – Network Service Rate	807	0.0078	6.29	807	0.0078	6.29	0.00	0.00%	5.11%	5.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.007	5.65	807	0.0070	5.65	0.00	0.00%	4.58%	4.51%
<b>Sub-Total: Retail Transmission</b>			<b>11.94</b>			<b>11.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.69%</b>	<b>9.54%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>54.45</b>			<b>54.45</b>	<b>0.00</b>	<b>0.00%</b>	<b>44.17%</b>	<b>43.49%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>54.07</b>			<b>54.07</b>	<b>0.00</b>	<b>0.00%</b>	<b>43.86%</b>	<b>43.19%</b>
Wholesale Market Service Rate (WMS) - not including CBR	807	0.0030	2.42	807	0.0030	2.42	0.00	0.00%	1.96%	1.93%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	807	0.0004	0.32	807	0.0004	0.32	0.00	0.00%	0.26%	0.26%
Rural Rate Protection Charge	807	0.0005	0.40	807	0.0005	0.40	0.00	0.00%	0.33%	0.32%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.20%
<b>Sub-Total: Regulatory</b>			<b>3.40</b>			<b>3.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.76%</b>	<b>2.71%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>117.39</b>			<b>117.39</b>	<b>0.00</b>	<b>0.00%</b>	<b>95.24%</b>	
HST		0.13	15.26		0.13	15.26	0.00	0.00%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>132.66</b>			<b>132.66</b>	<b>0.00</b>	<b>0.00%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-9.39		-0.08	-9.39	0.00	0.00%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>123.26</b>			<b>123.26</b>	<b>0.00</b>	<b>0.00%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>119.23</b>			<b>119.23</b>	<b>0.00</b>	<b>0.00%</b>		<b>95.24%</b>
HST		0.13	15.50		0.13	15.50	0.00	0.00%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>134.73</b>			<b>134.73</b>	<b>0.00</b>	<b>0.00%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-9.54		-0.08	-9.54	0.00	0.00%		-7.62%
<b>Total Amount on TOU</b>			<b>125.19</b>			<b>125.19</b>	<b>0.00</b>	<b>0.00%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - R1 (without DRP)**

Rate Class	R1 (without DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	31.55%	
Energy Second Tier	150	0.089	13.35	150	0.089	13.35	0.00	0.00%	9.12%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>59.55</b>			<b>59.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>40.66%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		21.36%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		8.08%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		12.19%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>42.17%</b>	<b>41.63%</b>
Service Charge	1	43.36	43.36	1	48.44	48.44	5.08	11.72%	33.08%	32.65%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	750	0.0181	13.58	750	0.0140	10.50	-3.08	-22.65%	7.17%	7.08%
Volumetric Foregone Revenue Charge	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>56.94</b>			<b>58.94</b>	<b>2.01</b>	<b>3.52%</b>	<b>40.25%</b>	<b>39.72%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.39%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.0890	5.07	57	0.0890	5.07	0.00	0.00%	3.46%	3.42%
Line Losses on Cost of Power (based on TOU prices)	57	0.0824	4.69	57	0.0824	4.69	0.00	0.00%	3.21%	3.16%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>62.58</b>			<b>64.58</b>	<b>2.01</b>	<b>3.20%</b>	<b>44.10%</b>	<b>43.53%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>62.20</b>			<b>64.20</b>	<b>2.00</b>	<b>3.22%</b>	<b>43.84%</b>	<b>43.27%</b>
Retail Transmission Rate – Network Service Rate	807	0.0078	6.29	807	0.0078	6.29	0.00	0.00%	4.30%	4.24%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.007	5.65	807	0.0070	5.65	0.00	0.00%	3.86%	3.81%
<b>Sub-Total: Retail Transmission</b>			<b>11.94</b>			<b>11.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.16%</b>	<b>8.05%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>74.52</b>			<b>76.53</b>	<b>2.01</b>	<b>2.69%</b>	<b>52.26%</b>	<b>51.58%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>74.14</b>			<b>76.15</b>	<b>2.01</b>	<b>2.70%</b>	<b>52.00%</b>	<b>51.32%</b>
Wholesale Market Service Rate (WMS) - not including CBR	807	0.0030	2.42	807	0.0030	2.42	0.00	0.00%	1.65%	1.63%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	807	0.0004	0.32	807	0.0004	0.32	0.00	0.00%	0.22%	0.22%
Rural Rate Protection Charge	807	0.0005	0.40	807	0.0005	0.40	0.00	0.00%	0.28%	0.27%
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%
<b>Sub-Total: Regulatory</b>			<b>3.40</b>			<b>3.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.32%</b>	<b>2.29%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>137.47</b>			<b>139.47</b>	<b>2.01</b>	<b>1.46%</b>	<b>95.24%</b>	
HST		0.13	17.87		0.13	18.13	0.26	1.46%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>155.34</b>			<b>157.61</b>	<b>2.27</b>	<b>1.46%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-11.00		-0.08	-11.16	-0.16	-1.46%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>144.34</b>			<b>146.45</b>	<b>2.11</b>	<b>1.46%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>139.30</b>			<b>141.31</b>	<b>2.01</b>	<b>1.44%</b>		<b>95.24%</b>
HST		0.13	18.11		0.13	18.37	0.26	1.44%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>157.41</b>			<b>159.68</b>	<b>2.27</b>	<b>1.44%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-11.14		-0.08	-11.30	-0.16	-1.44%		-7.62%
<b>Total Amount on TOU</b>			<b>146.27</b>			<b>148.37</b>	<b>2.11</b>	<b>1.44%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (High Consumption Level) - R1 (with DRP)**

Rate Class	R1 (with DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	18.40%	
Energy Second Tier	1,200	0.089	106.80	1,200	0.089	106.80	0.00	0.00%	42.55%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>153.00</b>			<b>153.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>60.95%</b>	
TOU-Off Peak	1,170	0.065	76.05	1,170	0.065	76.05	0.00	0.00%		31.03%
TOU-Mid Peak	306	0.094	28.76	306	0.094	28.76	0.00	0.00%		11.74%
TOU-On Peak	324	0.134	43.42	324	0.134	43.42	0.00	0.00%		17.72%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>148.23</b>			<b>148.23</b>	<b>0.00</b>	<b>0.00%</b>	<b>59.05%</b>	<b>60.49%</b>
Service Charge	1	43.36	43.36	1	48.44	48.44	5.08	11.72%	19.30%	19.77%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,800	0.0181	32.58	1,800	0.0140	25.20	-7.38	-22.65%	10.04%	10.28%
Volumetric Foregone Revenue Charge	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			-39.08			-36.78	2.30	5.89%	-14.65%	-15.01%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>14.68%</b>	<b>15.04%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.23%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.0890	12.18	137	0.0890	12.18	0.00	0.00%	4.85%	4.97%
Line Losses on Cost of Power (based on TOU prices)	137	0.0824	11.27	137	0.0824	11.27	0.00	0.00%	4.49%	4.60%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>49.61</b>			<b>49.61</b>	<b>0.00</b>	<b>0.00%</b>	<b>19.76%</b>	<b>20.24%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>48.70</b>			<b>48.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>19.40%</b>	<b>19.87%</b>
Retail Transmission Rate – Network Service Rate	1,937	0.0078	15.11	1,937	0.0078	15.11	0.00	0.00%	6.02%	6.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.007	13.56	1,937	0.0070	13.56	0.00	0.00%	5.40%	5.53%
<b>Sub-Total: Retail Transmission</b>			<b>28.66</b>			<b>28.66</b>	<b>0.00</b>	<b>0.00%</b>	<b>11.42%</b>	<b>11.70%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>78.27</b>			<b>78.27</b>	<b>0.00</b>	<b>0.00%</b>	<b>31.18%</b>	<b>31.94%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>77.36</b>			<b>77.36</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.82%</b>	<b>31.57%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,937	0.0030	5.81	1,937	0.0030	5.81	0.00	0.00%	2.31%	2.37%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,937	0.0004	0.77	1,937	0.0004	0.77	0.00	0.00%	0.31%	0.32%
Rural Rate Protection Charge	1,937	0.0005	0.97	1,937	0.0005	0.97	0.00	0.00%	0.39%	0.40%
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%
<b>Sub-Total: Regulatory</b>			<b>7.80</b>			<b>7.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.11%</b>	<b>3.18%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>239.07</b>			<b>239.07</b>	<b>0.00</b>	<b>0.00%</b>	<b>95.24%</b>	
HST		0.13	31.08		0.13	31.08	0.00	0.00%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>270.15</b>			<b>270.15</b>	<b>0.00</b>	<b>0.00%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-19.13		-0.08	-19.13	0.00	0.00%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>251.03</b>			<b>251.03</b>	<b>0.00</b>	<b>0.00%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>233.39</b>			<b>233.39</b>	<b>0.00</b>	<b>0.00%</b>		<b>95.24%</b>
HST		0.13	30.34		0.13	30.34	0.00	0.00%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>263.73</b>			<b>263.73</b>	<b>0.00</b>	<b>0.00%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-18.67		-0.08	-18.67	0.00	0.00%		-7.62%
<b>Total Amount on TOU</b>			<b>245.06</b>			<b>245.06</b>	<b>0.00</b>	<b>0.00%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (High Consumption Level) - R1**

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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	15.95%	
Energy Second Tier	1,200	0.089	106.80	1,200	0.089	106.80	0.00	0.00%	36.87%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>153.00</b>			<b>153.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>52.82%</b>	
TOU-Off Peak	1,170	0.065	76.05	1,170	0.065	76.05	0.00	0.00%		26.81%
TOU-Mid Peak	306	0.094	28.76	306	0.094	28.76	0.00	0.00%		10.14%
TOU-On Peak	324	0.134	43.42	324	0.134	43.42	0.00	0.00%		15.30%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>148.23</b>			<b>148.23</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.18%</b>	<b>52.25%</b>
Service Charge	1	43.36	43.36	1	48.44	48.44	5.08	11.72%	16.72%	17.08%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,800	0.0181	32.58	1,800	0.0140	25.20	-7.38	-22.65%	8.70%	8.88%
Volumetric Foregone Revenue Charge	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,800	0.0000	0.00	1,800	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>75.94</b>			<b>73.64</b>	<b>-2.30</b>	<b>-3.03%</b>	<b>25.42%</b>	<b>25.96%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.0890	12.18	137	0.0890	12.18	0.00	0.00%	4.20%	4.29%
Line Losses on Cost of Power (based on TOU prices)	137	0.0824	11.27	137	0.0824	11.27	0.00	0.00%	3.89%	3.97%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>88.69</b>			<b>86.39</b>	<b>-2.30</b>	<b>-2.59%</b>	<b>29.82%</b>	<b>30.45%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>87.78</b>			<b>85.48</b>	<b>-2.30</b>	<b>-2.62%</b>	<b>29.51%</b>	<b>30.13%</b>
Retail Transmission Rate – Network Service Rate	1,937	0.0078	15.11	1,937	0.0078	15.11	0.00	0.00%	5.22%	5.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.007	13.56	1,937	0.0070	13.56	0.00	0.00%	4.68%	4.78%
<b>Sub-Total: Retail Transmission</b>			<b>28.66</b>			<b>28.66</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.90%</b>	<b>10.10%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>117.35</b>			<b>115.05</b>	<b>-2.30</b>	<b>-1.96%</b>	<b>39.72%</b>	<b>40.56%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>116.44</b>			<b>114.14</b>	<b>-2.30</b>	<b>-1.98%</b>	<b>39.41%</b>	<b>40.24%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,937	0.0030	5.81	1,937	0.0030	5.81	0.00	0.00%	2.01%	2.05%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,937	0.0004	0.77	1,937	0.0004	0.77	0.00	0.00%	0.27%	0.27%
Rural Rate Protection Charge	1,937	0.0005	0.97	1,937	0.0005	0.97	0.00	0.00%	0.33%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
<b>Sub-Total: Regulatory</b>			<b>7.80</b>			<b>7.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.69%</b>	<b>2.75%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>278.15</b>			<b>275.85</b>	<b>-2.30</b>	<b>-0.83%</b>	<b>95.24%</b>	
HST		0.13	36.16		0.13	35.86	-0.30	-0.83%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>314.31</b>			<b>311.71</b>	<b>-2.60</b>	<b>-0.83%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-22.25		-0.08	-22.07	0.18	0.83%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>292.06</b>			<b>289.65</b>	<b>-2.42</b>	<b>-0.83%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>272.47</b>			<b>270.17</b>	<b>-2.30</b>	<b>-0.84%</b>		<b>95.24%</b>
HST		0.13	35.42		0.13	35.12	-0.30	-0.84%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>307.90</b>			<b>305.30</b>	<b>-2.60</b>	<b>-0.84%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-21.80		-0.08	-21.61	0.18	0.84%		-7.62%
<b>Total Amount on TOU</b>			<b>286.10</b>			<b>283.68</b>	<b>-2.42</b>	<b>-0.84%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Low Consumption Level) - R2 (with DRP)**

Rate Class	R2 (with DRP)
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	450	0.077	34.65	450	0.077	34.65	0.00	0.00%	38.91%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>34.65</b>			<b>34.65</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.91%</b>	
TOU-Off Peak	293	0.065	19.01	293	0.065	19.01	0.00	0.00%		20.70%
TOU-Mid Peak	77	0.094	7.19	77	0.094	7.19	0.00	0.00%		7.83%
TOU-On Peak	81	0.134	10.85	81	0.134	10.85	0.00	0.00%		11.82%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>37.06</b>			<b>37.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.61%</b>	<b>40.34%</b>
Service Charge	1	41.19	41.19	1	51.79	51.79	10.60	25.73%	58.15%	56.38%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	450	0.0291	13.10	450	0.0224	10.08	-3.02	-23.02%	11.32%	10.97%
Volumetric Foregone Revenue Charge	450	0.0000	0.00	450	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	450	0.0000	0.00	450	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			-17.43			-25.01	-7.59	-43.53%	-28.08%	-27.23%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.39%</b>	<b>40.13%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.64%	0.62%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.0770	3.64	47	0.0770	3.64	0.00	0.00%	4.09%	3.96%
Line Losses on Cost of Power (based on TOU prices)	47	0.0824	3.89	47	0.0824	3.89	0.00	0.00%	4.37%	4.24%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>41.07</b>			<b>41.07</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.11%</b>	<b>44.71%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>41.32</b>			<b>41.32</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.40%</b>	<b>44.99%</b>
Retail Transmission Rate – Network Service Rate	497	0.0073	3.63	497	0.0073	3.63	0.00	0.00%	4.08%	3.95%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0066	3.28	497	0.0066	3.28	0.00	0.00%	3.68%	3.57%
<b>Sub-Total: Retail Transmission</b>			<b>6.91</b>			<b>6.91</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.76%</b>	<b>7.52%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>47.98</b>			<b>47.98</b>	<b>0.00</b>	<b>0.00%</b>	<b>53.87%</b>	<b>52.24%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>48.23</b>			<b>48.23</b>	<b>0.00</b>	<b>0.00%</b>	<b>54.16%</b>	<b>52.51%</b>
Wholesale Market Service Rate (WMS) - not including CBR	497	0.0030	1.49	497	0.0030	1.49	0.00	0.00%	1.67%	1.62%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	497	0.0004	0.20	497	0.0004	0.20	0.00	0.00%	0.22%	0.22%
Rural Rate Protection Charge	497	0.0005	0.25	497	0.0005	0.25	0.00	0.00%	0.28%	0.27%
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%
<b>Sub-Total: Regulatory</b>			<b>2.19</b>			<b>2.19</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.46%</b>	<b>2.38%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>84.82</b>			<b>84.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>95.24%</b>	
HST		0.13	11.03		0.13	11.03	0.00	0.00%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>95.85</b>			<b>95.85</b>	<b>0.00</b>	<b>0.00%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-6.79		-0.08	-6.79	0.00	0.00%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>89.06</b>			<b>89.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>87.48</b>			<b>87.48</b>	<b>0.00</b>	<b>0.00%</b>		<b>95.24%</b>
HST		0.13	11.37		0.13	11.37	0.00	0.00%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>98.85</b>			<b>98.85</b>	<b>0.00</b>	<b>0.00%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-7.00		-0.08	-7.00	0.00	0.00%		-7.62%
<b>Total Amount on TOU</b>			<b>91.85</b>			<b>91.85</b>	<b>0.00</b>	<b>0.00%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (Low Consumption Level) - R2 (without DRP)**

Rate Class	R2 (without DRP)
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	450	0.077	34.65	450	0.077	34.65	0.00	0.00%	30.05%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>34.65</b>			<b>34.65</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.05%</b>	
TOU-Off Peak	293	0.065	19.01	293	0.065	19.01	0.00	0.00%		16.10%
TOU-Mid Peak	77	0.094	7.19	77	0.094	7.19	0.00	0.00%		6.09%
TOU-On Peak	81	0.134	10.85	81	0.134	10.85	0.00	0.00%		9.19%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>37.06</b>			<b>37.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>32.13%</b>	<b>31.37%</b>
Service Charge	1	41.19	41.19	1	51.79	51.79	10.60	25.73%	44.91%	43.85%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	450	0.0291	13.10	450	0.0224	10.08	-3.02	-23.02%	8.74%	8.53%
Volumetric Foregone Revenue Charge	450	0.0000	0.00	450	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	450	0.0000	0.00	450	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>54.29</b>			<b>61.87</b>	<b>7.59</b>	<b>13.97%</b>	<b>53.65%</b>	<b>52.38%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.49%	0.48%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.0770	3.64	47	0.0770	3.64	0.00	0.00%	3.15%	3.08%
Line Losses on Cost of Power (based on TOU prices)	47	0.0824	3.89	47	0.0824	3.89	0.00	0.00%	3.37%	3.29%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>58.49</b>			<b>66.08</b>	<b>7.59</b>	<b>12.97%</b>	<b>57.30%</b>	<b>55.94%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>58.75</b>			<b>66.33</b>	<b>7.59</b>	<b>12.91%</b>	<b>57.52%</b>	<b>56.16%</b>
Retail Transmission Rate – Network Service Rate	497	0.0073	3.63	497	0.0073	3.63	0.00	0.00%	3.15%	3.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0066	3.28	497	0.0066	3.28	0.00	0.00%	2.85%	2.78%
<b>Sub-Total: Retail Transmission</b>			<b>6.91</b>			<b>6.91</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.99%</b>	<b>5.85%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>65.41</b>			<b>72.99</b>	<b>7.59</b>	<b>11.60%</b>	<b>63.29%</b>	<b>61.80%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>65.66</b>			<b>73.24</b>	<b>7.59</b>	<b>11.55%</b>	<b>63.51%</b>	<b>62.01%</b>
Wholesale Market Service Rate (WMS) - not including CBR	497	0.0030	1.49	497	0.0030	1.49	0.00	0.00%	1.29%	1.26%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	497	0.0004	0.20	497	0.0004	0.20	0.00	0.00%	0.17%	0.17%
Rural Rate Protection Charge	497	0.0005	0.25	497	0.0005	0.25	0.00	0.00%	0.22%	0.21%
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%
<b>Sub-Total: Regulatory</b>			<b>2.19</b>			<b>2.19</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.90%</b>	<b>1.85%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>102.24</b>			<b>109.83</b>	<b>7.59</b>	<b>7.42%</b>	<b>95.24%</b>	
HST		0.13	13.29		0.13	14.28	0.99	7.42%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>115.54</b>			<b>124.11</b>	<b>8.57</b>	<b>7.42%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-8.18		-0.08	-8.79	-0.61	-7.42%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>107.36</b>			<b>115.32</b>	<b>7.96</b>	<b>7.42%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>104.90</b>			<b>112.49</b>	<b>7.59</b>	<b>7.23%</b>		<b>95.24%</b>
HST		0.13	13.64		0.13	14.62	0.99	7.23%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>118.54</b>			<b>127.11</b>	<b>8.57</b>	<b>7.23%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-8.39		-0.08	-9.00	-0.61	-7.23%		-7.62%
<b>Total Amount on TOU</b>			<b>110.15</b>			<b>118.11</b>	<b>7.96</b>	<b>7.23%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (Typical Consumption Level) - R2 (with DRP)**

Rate Class	R2 (with DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	36.98%	
Energy Second Tier	150	0.089	13.35	150	0.089	13.35	0.00	0.00%	10.69%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>59.55</b>			<b>59.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>47.66%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		25.01%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		9.46%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		14.28%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>49.43%</b>	<b>48.74%</b>
Service Charge	1	41.19	41.19	1	51.79	51.79	10.60	25.73%	41.45%	40.87%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	750	0.0291	21.83	750	0.0224	16.80	-5.03	-23.02%	13.45%	13.26%
Volumetric Foregone Revenue Charge	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			-26.16			-31.73	-5.58	-21.32%	-25.40%	-25.04%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>29.50%</b>	<b>29.09%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.46%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.0890	7.01	79	0.0890	7.01	0.00	0.00%	5.61%	5.53%
Line Losses on Cost of Power (based on TOU prices)	79	0.0824	6.49	79	0.0824	6.49	0.00	0.00%	5.19%	5.12%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>44.44</b>			<b>44.44</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.57%</b>	<b>35.07%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>43.92</b>			<b>43.92</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.15%</b>	<b>34.66%</b>
Retail Transmission Rate – Network Service Rate	829	0.0073	6.05	829	0.0073	6.05	0.00	0.00%	4.84%	4.77%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0066	5.47	829	0.0066	5.47	0.00	0.00%	4.38%	4.32%
<b>Sub-Total: Retail Transmission</b>			<b>11.52</b>			<b>11.52</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.22%</b>	<b>9.09%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>55.96</b>			<b>55.96</b>	<b>0.00</b>	<b>0.00%</b>	<b>44.79%</b>	<b>44.16%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>55.43</b>			<b>55.43</b>	<b>0.00</b>	<b>0.00%</b>	<b>44.37%</b>	<b>43.75%</b>
Wholesale Market Service Rate (WMS) - not including CBR	829	0.0030	2.49	829	0.0030	2.49	0.00	0.00%	1.99%	1.96%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	829	0.0004	0.33	829	0.0004	0.33	0.00	0.00%	0.27%	0.26%
Rural Rate Protection Charge	829	0.0005	0.41	829	0.0005	0.41	0.00	0.00%	0.33%	0.33%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.20%
<b>Sub-Total: Regulatory</b>			<b>3.48</b>			<b>3.48</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.79%</b>	<b>2.75%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>118.99</b>			<b>118.99</b>	<b>0.00</b>	<b>0.00%</b>	<b>95.24%</b>	
HST		0.13	15.47		0.13	15.47	0.00	0.00%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>134.46</b>			<b>134.46</b>	<b>0.00</b>	<b>0.00%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-9.52		-0.08	-9.52	0.00	0.00%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>124.94</b>			<b>124.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>120.68</b>			<b>120.68</b>	<b>0.00</b>	<b>0.00%</b>		<b>95.24%</b>
HST		0.13	15.69		0.13	15.69	0.00	0.00%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>136.37</b>			<b>136.37</b>	<b>0.00</b>	<b>0.00%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-9.65		-0.08	-9.65	0.00	0.00%		-7.62%
<b>Total Amount on TOU</b>			<b>126.71</b>			<b>126.71</b>	<b>0.00</b>	<b>0.00%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - R2 (without DRP)**

Rate Class	R2 (without DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	29.19%	
Energy Second Tier	150	0.089	13.35	150	0.089	13.35	0.00	0.00%	8.44%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>59.55</b>			<b>59.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.63%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		19.80%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		7.49%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		11.30%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>39.03%</b>	<b>38.59%</b>
Service Charge	1	41.19	41.19	1	51.79	51.79	10.60	25.73%	32.73%	32.36%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	750	0.0291	21.83	750	0.0224	16.80	-5.03	-23.02%	10.62%	10.50%
Volumetric Foregone Revenue Charge	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	750	0.0000	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>63.02</b>			<b>68.59</b>	<b>5.58</b>	<b>8.85%</b>	<b>43.34%</b>	<b>42.86%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.36%	0.36%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.0890	7.01	79	0.0890	7.01	0.00	0.00%	4.43%	4.38%
Line Losses on Cost of Power (based on TOU prices)	79	0.0824	6.49	79	0.0824	6.49	0.00	0.00%	4.10%	4.05%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>70.59</b>			<b>76.17</b>	<b>5.58</b>	<b>7.90%</b>	<b>48.13%</b>	<b>47.60%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>70.07</b>			<b>75.65</b>	<b>5.57</b>	<b>7.96%</b>	<b>47.80%</b>	<b>47.27%</b>
Retail Transmission Rate – Network Service Rate	829	0.0073	6.05	829	0.0073	6.05	0.00	0.00%	3.82%	3.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0066	5.47	829	0.0066	5.47	0.00	0.00%	3.46%	3.42%
<b>Sub-Total: Retail Transmission</b>			<b>11.52</b>			<b>11.52</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.28%</b>	<b>7.20%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>82.11</b>			<b>87.69</b>	<b>5.58</b>	<b>6.79%</b>	<b>55.41%</b>	<b>54.80%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>81.59</b>			<b>87.16</b>	<b>5.57</b>	<b>6.83%</b>	<b>55.08%</b>	<b>54.47%</b>
Wholesale Market Service Rate (WMS) - not including CBR	829	0.0030	2.49	829	0.0030	2.49	0.00	0.00%	1.57%	1.55%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	829	0.0004	0.33	829	0.0004	0.33	0.00	0.00%	0.21%	0.21%
Rural Rate Protection Charge	829	0.0005	0.41	829	0.0005	0.41	0.00	0.00%	0.26%	0.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.16%	0.16%
<b>Sub-Total: Regulatory</b>			<b>3.48</b>			<b>3.48</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.20%</b>	<b>2.18%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>145.15</b>			<b>150.72</b>	<b>5.58</b>	<b>3.84%</b>	<b>95.24%</b>	
HST		0.13	18.87		0.13	19.59	0.72	3.84%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>164.01</b>			<b>170.31</b>	<b>6.30</b>	<b>3.84%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-11.61		-0.08	-12.06	-0.45	-3.84%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>152.40</b>			<b>158.26</b>	<b>5.85</b>	<b>3.84%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>146.83</b>			<b>152.41</b>	<b>5.58</b>	<b>3.80%</b>		<b>95.24%</b>
HST		0.13	19.09		0.13	19.81	0.72	3.80%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>165.92</b>			<b>172.22</b>	<b>6.30</b>	<b>3.80%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-11.75		-0.08	-12.19	-0.45	-3.80%		-7.62%
<b>Total Amount on TOU</b>			<b>154.18</b>			<b>160.03</b>	<b>5.85</b>	<b>3.80%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (High Consumption Level) - R2 (with DRP)**

Rate Class	R2 (with DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	14.57%	
Energy Second Tier	1,700	0.089	151.30	1,700	0.089	151.30	0.00	0.00%	47.73%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>197.50</b>			<b>197.50</b>	<b>0.00</b>	<b>0.00%</b>	<b>62.30%</b>	
TOU-Off Peak	1,495	0.065	97.18	1,495	0.065	97.18	0.00	0.00%		31.67%
TOU-Mid Peak	391	0.094	36.75	391	0.094	36.75	0.00	0.00%		11.98%
TOU-On Peak	414	0.134	55.48	414	0.134	55.48	0.00	0.00%		18.08%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>189.41</b>			<b>189.41</b>	<b>0.00</b>	<b>0.00%</b>	<b>59.75%</b>	<b>61.73%</b>
Service Charge	1	41.19	41.19	1	51.79	51.79	10.60	25.73%	16.34%	16.88%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	2,300	0.0291	66.93	2,300	0.0224	51.52	-15.41	-23.02%	16.25%	16.79%
Volumetric Foregone Revenue Charge	2,300	0.0000	0.00	2,300	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	2,300	0.0000	0.00	2,300	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			-71.26			-66.45	4.81	6.75%	-20.96%	-21.66%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>11.63%</b>	<b>12.01%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.0890	21.49	242	0.0890	21.49	0.00	0.00%	6.78%	7.01%
Line Losses on Cost of Power (based on TOU prices)	242	0.0824	19.89	242	0.0824	19.89	0.00	0.00%	6.27%	6.48%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>58.92</b>			<b>58.92</b>	<b>0.00</b>	<b>0.00%</b>	<b>18.59%</b>	<b>19.20%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>57.32</b>			<b>57.32</b>	<b>0.00</b>	<b>0.00%</b>	<b>18.08%</b>	<b>18.68%</b>
Retail Transmission Rate – Network Service Rate	2,542	0.0073	18.55	2,542	0.0073	18.55	0.00	0.00%	5.85%	6.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0066	16.77	2,542	0.0066	16.77	0.00	0.00%	5.29%	5.47%
<b>Sub-Total: Retail Transmission</b>			<b>35.33</b>			<b>35.33</b>	<b>0.00</b>	<b>0.00%</b>	<b>11.14%</b>	<b>11.51%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>94.25</b>			<b>94.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>29.73%</b>	<b>30.72%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>92.64</b>			<b>92.64</b>	<b>0.00</b>	<b>0.00%</b>	<b>29.22%</b>	<b>30.19%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,542	0.0030	7.62	2,542	0.0030	7.62	0.00	0.00%	2.41%	2.48%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,542	0.0004	1.02	2,542	0.0004	1.02	0.00	0.00%	0.32%	0.33%
Rural Rate Protection Charge	2,542	0.0005	1.27	2,542	0.0005	1.27	0.00	0.00%	0.40%	0.41%
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%
<b>Sub-Total: Regulatory</b>			<b>10.16</b>			<b>10.16</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.21%</b>	<b>3.31%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>301.91</b>			<b>301.91</b>	<b>0.00</b>	<b>0.00%</b>	<b>95.24%</b>	
HST		0.13	39.25		0.13	39.25	0.00	0.00%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>341.16</b>			<b>341.16</b>	<b>0.00</b>	<b>0.00%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-24.15		-0.08	-24.15	0.00	0.00%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>317.01</b>			<b>317.01</b>	<b>0.00</b>	<b>0.00%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>292.21</b>			<b>292.21</b>	<b>0.00</b>	<b>0.00%</b>		<b>95.24%</b>
HST		0.13	37.99		0.13	37.99	0.00	0.00%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>330.20</b>			<b>330.20</b>	<b>0.00</b>	<b>0.00%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-23.38		-0.08	-23.38	0.00	0.00%		-7.62%
<b>Total Amount on TOU</b>			<b>306.82</b>			<b>306.82</b>	<b>0.00</b>	<b>0.00%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (High Consumption Level) - R2 (without DRP)**

Rate Class	R2 (without DRP)
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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	11.94%	
Energy Second Tier	1,700	0.089	151.30	1,700	0.089	151.30	0.00	0.00%	39.12%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>197.50</b>			<b>197.50</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.06%</b>	
TOU-Off Peak	1,495	0.065	97.18	1,495	0.065	97.18	0.00	0.00%		25.80%
TOU-Mid Peak	391	0.094	36.75	391	0.094	36.75	0.00	0.00%		9.76%
TOU-On Peak	414	0.134	55.48	414	0.134	55.48	0.00	0.00%		14.73%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>189.41</b>			<b>189.41</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.97%</b>	<b>50.29%</b>
Service Charge	1	41.19	41.19	1	51.79	51.79	10.60	25.73%	13.39%	13.75%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	2,300	0.0291	66.93	2,300	0.0224	51.52	-15.41	-23.02%	13.32%	13.68%
Volumetric Foregone Revenue Charge	2,300	0.0000	0.00	2,300	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	2,300	0.0000	0.00	2,300	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>108.12</b>			<b>103.31</b>	<b>-4.81</b>	<b>-4.45%</b>	<b>26.71%</b>	<b>27.43%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.15%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.0890	21.49	242	0.0890	21.49	0.00	0.00%	5.56%	5.71%
Line Losses on Cost of Power (based on TOU prices)	242	0.0824	19.89	242	0.0824	19.89	0.00	0.00%	5.14%	5.28%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>130.18</b>			<b>125.37</b>	<b>-4.81</b>	<b>-3.69%</b>	<b>32.41%</b>	<b>33.29%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>128.58</b>			<b>123.77</b>	<b>-4.81</b>	<b>-3.74%</b>	<b>32.00%</b>	<b>32.86%</b>
Retail Transmission Rate – Network Service Rate	2,542	0.0073	18.55	2,542	0.0073	18.55	0.00	0.00%	4.80%	4.93%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0066	16.77	2,542	0.0066	16.77	0.00	0.00%	4.34%	4.45%
<b>Sub-Total: Retail Transmission</b>			<b>35.33</b>			<b>35.33</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.13%</b>	<b>9.38%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>165.51</b>			<b>160.70</b>	<b>-4.81</b>	<b>-2.91%</b>	<b>41.55%</b>	<b>42.67%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>163.90</b>			<b>159.09</b>	<b>-4.81</b>	<b>-2.93%</b>	<b>41.13%</b>	<b>42.25%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,542	0.0030	7.62	2,542	0.0030	7.62	0.00	0.00%	1.97%	2.02%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,542	0.0004	1.02	2,542	0.0004	1.02	0.00	0.00%	0.26%	0.27%
Rural Rate Protection Charge	2,542	0.0005	1.27	2,542	0.0005	1.27	0.00	0.00%	0.33%	0.34%
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%
<b>Sub-Total: Regulatory</b>			<b>10.16</b>			<b>10.16</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.63%</b>	<b>2.70%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>373.17</b>			<b>368.36</b>	<b>-4.81</b>	<b>-1.29%</b>	<b>95.24%</b>	
HST		0.13	48.51		0.13	47.89	-0.63	-1.29%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>421.68</b>			<b>416.25</b>	<b>-5.44</b>	<b>-1.29%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-29.85		-0.08	-29.47	0.38	1.29%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>391.83</b>			<b>386.78</b>	<b>-5.05</b>	<b>-1.29%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>363.47</b>			<b>358.66</b>	<b>-4.81</b>	<b>-1.32%</b>		<b>95.24%</b>
HST		0.13	47.25		0.13	46.63	-0.63	-1.32%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>410.72</b>			<b>405.29</b>	<b>-5.44</b>	<b>-1.32%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-29.08		-0.08	-28.69	0.38	1.32%		-7.62%
<b>Total Amount on TOU</b>			<b>381.64</b>			<b>376.59</b>	<b>-5.05</b>	<b>-1.32%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Low Consumption Level) - Seasonal**

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	50	0.077	3.85	50	0.077	3.85	0.00	0.00%	6.30%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>3.85</b>			<b>3.85</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.30%</b>	
TOU-Off Peak	33	0.065	2.11	33	0.065	2.11	0.00	0.00%		3.44%
TOU-Mid Peak	9	0.094	0.80	9	0.094	0.80	0.00	0.00%		1.30%
TOU-On Peak	9	0.134	1.21	9	0.134	1.21	0.00	0.00%		1.96%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>4.12</b>			<b>4.12</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.74%</b>	<b>6.70%</b>
Service Charge	1	44.39	44.39	1	50.10	50.10	5.71	12.86%	81.95%	81.54%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	50	0.0565	2.83	50	0.0435	2.18	-0.65	-23.01%	3.56%	3.54%
Volumetric Foregone Revenue Charge	50	0.0000	0.00	50	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	50	0.0000	0.00	50	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>47.22</b>			<b>52.28</b>	<b>5.06</b>	<b>10.72%</b>	<b>85.51%</b>	<b>85.08%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.93%	0.93%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.0770	0.40	5	0.0770	0.40	0.00	0.00%	0.65%	0.65%
Line Losses on Cost of Power (based on TOU prices)	5	0.0824	0.43	5	0.0824	0.43	0.00	0.00%	0.70%	0.70%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>48.19</b>			<b>53.25</b>	<b>5.06</b>	<b>10.50%</b>	<b>87.10%</b>	<b>86.66%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>48.21</b>			<b>53.27</b>	<b>5.06</b>	<b>10.50%</b>	<b>87.14%</b>	<b>86.70%</b>
Retail Transmission Rate – Network Service Rate	55	0.0061	0.34	55	0.0061	0.34	0.00	0.00%	0.55%	0.55%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0059	0.33	55	0.0059	0.33	0.00	0.00%	0.53%	0.53%
<b>Sub-Total: Retail Transmission</b>			<b>0.66</b>			<b>0.66</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.08%</b>	<b>1.08%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>48.85</b>			<b>53.91</b>	<b>5.06</b>	<b>10.36%</b>	<b>88.18%</b>	<b>87.73%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>48.88</b>			<b>53.94</b>	<b>5.06</b>	<b>10.35%</b>	<b>88.22%</b>	<b>87.78%</b>
Wholesale Market Service Rate (WMS) - not including CBR	55	0.0030	0.17	55	0.0030	0.17	0.00	0.00%	0.27%	0.27%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	55	0.0004	0.02	55	0.0004	0.02	0.00	0.00%	0.04%	0.04%
Rural Rate Protection Charge	55	0.0005	0.03	55	0.0005	0.03	0.00	0.00%	0.05%	0.04%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.41%	0.41%
<b>Sub-Total: Regulatory</b>			<b>0.47</b>			<b>0.47</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.76%</b>	<b>0.76%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>53.16</b>			<b>58.22</b>	<b>5.06</b>	<b>9.52%</b>	<b>95.24%</b>	
HST		0.13	6.91		0.13	7.57	0.66	9.52%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>60.07</b>			<b>65.79</b>	<b>5.72</b>	<b>9.52%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-4.25		-0.08	-4.66	-0.40	-9.52%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>55.82</b>			<b>61.13</b>	<b>5.31</b>	<b>9.52%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>53.46</b>			<b>58.52</b>	<b>5.06</b>	<b>9.47%</b>		<b>95.24%</b>
HST		0.13	6.95		0.13	7.61	0.66	9.47%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>60.41</b>			<b>66.13</b>	<b>5.72</b>	<b>9.47%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-4.28		-0.08	-4.68	-0.40	-9.47%		-7.62%
<b>Total Amount on TOU</b>			<b>56.13</b>			<b>61.44</b>	<b>5.31</b>	<b>9.47%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - Seasonal**

Rate Class	Seasonal
Monthly Consumption (kWh)	0
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	0
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	0	0.077	0.00	0	0.077	0.00	0.00	N/A	0.00%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	
TOU-Off Peak	0	0.065	0.00	0	0.065	0.00	0.00	N/A		0.00%
TOU-Mid Peak	0	0.094	0.00	0	0.094	0.00	0.00	N/A		0.00%
TOU-On Peak	0	0.134	0.00	0	0.134	0.00	0.00	N/A		0.00%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
Service Charge	1	44.39	44.39	1	50.10	50.10	5.71	12.86%	93.70%	93.70%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	0	0.0565	0.00	0	0.0435	0.00	0.00	N/A	0.00%	0.00%
Volumetric Foregone Revenue Charge	0	0.0000	0.00	0	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	0	0.0000	0.00	0	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>44.39</b>			<b>50.10</b>	<b>5.71</b>	<b>12.86%</b>	<b>93.70%</b>	<b>93.70%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	1.07%	1.07%
Line Losses on Cost of Power (based on two-tier RPP prices)	0	0.0770	0.00	0	0.0770	0.00	0.00	N/A	0.00%	0.00%
Line Losses on Cost of Power (based on TOU prices)	0	0.0824	0.00	0	0.0824	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>44.96</b>			<b>50.67</b>	<b>5.71</b>	<b>12.70%</b>	<b>94.77%</b>	<b>94.77%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>44.96</b>			<b>50.67</b>	<b>5.71</b>	<b>12.70%</b>	<b>94.77%</b>	<b>94.77%</b>
Retail Transmission Rate – Network Service Rate	0	0.0061	0.00	0	0.0061	0.00	0.00	N/A	0.00%	0.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0	0.0059	0.00	0	0.0059	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Retail Transmission</b>			<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>44.96</b>			<b>50.67</b>	<b>5.71</b>	<b>12.70%</b>	<b>94.77%</b>	<b>94.77%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>44.96</b>			<b>50.67</b>	<b>5.71</b>	<b>12.70%</b>	<b>94.77%</b>	<b>94.77%</b>
Wholesale Market Service Rate (WMS) - not including CBR	0	0.0030	0.00	0	0.0030	0.00	0.00	N/A	0.00%	0.00%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	0	0.0004	0.00	0	0.0004	0.00	0.00	N/A	0.00%	0.00%
Rural Rate Protection Charge	0	0.0005	0.00	0	0.0005	0.00	0.00	N/A	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.47%	0.47%
<b>Sub-Total: Regulatory</b>			<b>0.25</b>			<b>0.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.47%</b>	<b>0.47%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>45.21</b>			<b>50.92</b>	<b>5.71</b>	<b>12.63%</b>	<b>95.24%</b>	
HST		0.13	5.88		0.13	6.62	0.74	12.63%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>51.09</b>			<b>57.54</b>	<b>6.45</b>	<b>12.63%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-3.62		-0.08	-4.07	-0.46	-12.63%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>47.47</b>			<b>53.47</b>	<b>6.00</b>	<b>12.63%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>45.21</b>			<b>50.92</b>	<b>5.71</b>	<b>12.63%</b>		<b>95.24%</b>
HST		0.13	5.88		0.13	6.62	0.74	12.63%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>51.09</b>			<b>57.54</b>	<b>6.45</b>	<b>12.63%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-3.62		-0.08	-4.07	-0.46	-12.63%		-7.62%
<b>Total Amount on TOU</b>			<b>47.47</b>			<b>53.47</b>	<b>6.00</b>	<b>12.63%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Average Consumption Level) - Seasonal**

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	350	0.077	26.95	350	0.077	26.95	0.00	0.00%	25.15%	
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>26.95</b>			<b>26.95</b>	<b>0.00</b>	<b>0.00%</b>	<b>25.15%</b>	
TOU-Off Peak	228	0.065	14.79	228	0.065	14.79	0.00	0.00%		13.53%
TOU-Mid Peak	60	0.094	5.59	60	0.094	5.59	0.00	0.00%		5.12%
TOU-On Peak	63	0.134	8.44	63	0.134	8.44	0.00	0.00%		7.72%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>28.82</b>			<b>28.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>26.90%</b>	<b>26.37%</b>
Service Charge	1	44.39	44.39	1	50.10	50.10	5.71	12.86%	46.76%	45.83%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	350	0.0565	19.78	350	0.0435	15.23	-4.55	-23.01%	14.21%	13.93%
Volumetric Foregone Revenue Charge	350	0.0000	0.00	350	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	350	0.0000	0.00	350	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>64.17</b>			<b>65.33</b>	<b>1.16</b>	<b>1.81%</b>	<b>60.97%</b>	<b>59.76%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.53%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.0770	2.80	36	0.0770	2.80	0.00	0.00%	2.62%	2.56%
Line Losses on Cost of Power (based on TOU prices)	36	0.0824	3.00	36	0.0824	3.00	0.00	0.00%	2.80%	2.74%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>67.54</b>			<b>68.70</b>	<b>1.16</b>	<b>1.72%</b>	<b>64.12%</b>	<b>62.84%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>67.73</b>			<b>68.89</b>	<b>1.16</b>	<b>1.71%</b>	<b>64.30%</b>	<b>63.02%</b>
Retail Transmission Rate – Network Service Rate	386	0.0061	2.36	386	0.0061	2.36	0.00	0.00%	2.20%	2.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	386	0.0059	2.28	386	0.0059	2.28	0.00	0.00%	2.13%	2.09%
<b>Sub-Total: Retail Transmission</b>			<b>4.64</b>			<b>4.64</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.33%</b>	<b>4.24%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>72.17</b>			<b>73.33</b>	<b>1.16</b>	<b>1.61%</b>	<b>68.45%</b>	<b>67.09%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>72.37</b>			<b>73.53</b>	<b>1.16</b>	<b>1.60%</b>	<b>68.63%</b>	<b>67.26%</b>
Wholesale Market Service Rate (WMS) - not including CBR	386	0.0030	1.16	386	0.0030	1.16	0.00	0.00%	1.08%	1.06%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	386	0.0004	0.15	386	0.0004	0.15	0.00	0.00%	0.14%	0.14%
Rural Rate Protection Charge	386	0.0005	0.19	386	0.0005	0.19	0.00	0.00%	0.18%	0.18%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.23%	0.23%
<b>Sub-Total: Regulatory</b>			<b>1.76</b>			<b>1.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.64%</b>	<b>1.61%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>100.88</b>			<b>102.04</b>	<b>1.16</b>	<b>1.15%</b>	<b>95.24%</b>	
HST		0.13	13.11		0.13	13.27	0.15	1.15%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>114.00</b>			<b>115.31</b>	<b>1.31</b>	<b>1.15%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-8.07		-0.08	-8.16	-0.09	-1.15%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>105.93</b>			<b>107.14</b>	<b>1.22</b>	<b>1.15%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>102.95</b>			<b>104.11</b>	<b>1.16</b>	<b>1.13%</b>		<b>95.24%</b>
HST		0.13	13.38		0.13	13.53	0.15	1.13%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>116.33</b>			<b>117.64</b>	<b>1.31</b>	<b>1.13%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-8.24		-0.08	-8.33	-0.09	-1.13%		-7.62%
<b>Total Amount on TOU</b>			<b>108.10</b>			<b>109.31</b>	<b>1.22</b>	<b>1.13%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (High Consumption Level) - Seasonal**

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	600	0.077	46.20	600	0.077	46.20	0.00	0.00%	21.67%	
Energy Second Tier	400	0.089	35.60	400	0.089	35.60	0.00	0.00%	16.70%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>81.80</b>			<b>81.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.37%</b>	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		19.83%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		7.50%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		11.32%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>82.35</b>			<b>82.35</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.63%</b>	<b>38.66%</b>
Service Charge	1	44.39	44.39	1	50.10	50.10	5.71	12.86%	23.50%	23.52%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,000	0.0565	56.50	1,000	0.0435	43.50	-13.00	-23.01%	20.41%	20.42%
Volumetric Foregone Revenue Charge	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>100.89</b>			<b>93.60</b>	<b>-7.29</b>	<b>-7.23%</b>	<b>43.91%</b>	<b>43.94%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.27%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.0890	9.26	104	0.0890	9.26	0.00	0.00%	4.34%	4.34%
Line Losses on Cost of Power (based on TOU prices)	104	0.0824	8.56	104	0.0824	8.56	0.00	0.00%	4.02%	4.02%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>110.72</b>			<b>103.43</b>	<b>-7.29</b>	<b>-6.58%</b>	<b>48.52%</b>	<b>48.55%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>110.02</b>			<b>102.73</b>	<b>-7.29</b>	<b>-6.63%</b>	<b>48.19%</b>	<b>48.22%</b>
Retail Transmission Rate – Network Service Rate	1,104	0.0061	6.73	1,104	0.0061	6.73	0.00	0.00%	3.16%	3.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0059	6.51	1,104	0.0059	6.51	0.00	0.00%	3.06%	3.06%
<b>Sub-Total: Retail Transmission</b>			<b>13.25</b>			<b>13.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.21%</b>	<b>6.22%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>123.96</b>			<b>116.67</b>	<b>-7.29</b>	<b>-5.88%</b>	<b>54.73%</b>	<b>54.77%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>123.27</b>			<b>115.98</b>	<b>-7.29</b>	<b>-5.91%</b>	<b>54.41%</b>	<b>54.44%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,104	0.0030	3.31	1,104	0.0030	3.31	0.00	0.00%	1.55%	1.55%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,104	0.0004	0.44	1,104	0.0004	0.44	0.00	0.00%	0.21%	0.21%
Rural Rate Protection Charge	1,104	0.0005	0.55	1,104	0.0005	0.55	0.00	0.00%	0.26%	0.26%
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%
<b>Sub-Total: Regulatory</b>			<b>4.56</b>			<b>4.56</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.14%</b>	<b>2.14%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>210.32</b>			<b>203.03</b>	<b>-7.29</b>	<b>-3.47%</b>	<b>95.24%</b>	
HST		0.13	27.34		0.13	26.39	-0.95	-3.47%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>237.66</b>			<b>229.42</b>	<b>-8.24</b>	<b>-3.47%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-16.83		-0.08	-16.24	0.58	3.47%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>220.84</b>			<b>213.18</b>	<b>-7.65</b>	<b>-3.47%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>210.18</b>			<b>202.89</b>	<b>-7.29</b>	<b>-3.47%</b>		<b>95.24%</b>
HST		0.13	27.32		0.13	26.38	-0.95	-3.47%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>237.50</b>			<b>229.26</b>	<b>-8.24</b>	<b>-3.47%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-16.81		-0.08	-16.23	0.58	3.47%		-7.62%
<b>Total Amount on TOU</b>			<b>220.69</b>			<b>213.03</b>	<b>-7.65</b>	<b>-3.47%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (Low Consumption Level) - GSe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	27.27%	
Energy Second Tier	250	0.089	22.25	250	0.089	22.25	0.00	0.00%	10.50%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>80.00</b>			<b>80.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.77%</b>	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		19.78%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		7.48%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		11.29%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>82.35</b>			<b>82.35</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.88%</b>	<b>38.55%</b>
Service Charge	1	31.51	31.51	1	32.08	32.08	0.57	1.81%	15.15%	15.02%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,000	0.0616	61.60	1,000	0.0634	63.40	1.80	2.92%	29.93%	29.68%
Volumetric Foregone Revenue Charge	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>93.11</b>			<b>95.48</b>	<b>2.37</b>	<b>2.55%</b>	<b>45.08%</b>	<b>44.70%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.27%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.0890	8.54	96	0.0890	8.54	0.00	0.00%	4.03%	4.00%
Line Losses on Cost of Power (based on TOU prices)	96	0.0824	7.91	96	0.0824	7.91	0.00	0.00%	3.73%	3.70%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>102.22</b>			<b>104.59</b>	<b>2.37</b>	<b>2.32%</b>	<b>49.38%</b>	<b>48.97%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>101.59</b>			<b>103.96</b>	<b>2.37</b>	<b>2.33%</b>	<b>49.08%</b>	<b>48.67%</b>
Retail Transmission Rate – Network Service Rate	1,096	0.0061	6.69	1,096	0.0061	6.69	0.00	0.00%	3.16%	3.13%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0054	5.92	1,096	0.0054	5.92	0.00	0.00%	2.79%	2.77%
<b>Sub-Total: Retail Transmission</b>			<b>12.60</b>			<b>12.60</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.95%</b>	<b>5.90%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>114.83</b>			<b>117.20</b>	<b>2.37</b>	<b>2.06%</b>	<b>55.33%</b>	<b>54.87%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>114.19</b>			<b>116.56</b>	<b>2.37</b>	<b>2.08%</b>	<b>55.03%</b>	<b>54.57%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,096	0.0030	3.29	1,096	0.0030	3.29	0.00	0.00%	1.55%	1.54%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,096	0.0004	0.44	1,096	0.0004	0.44	0.00	0.00%	0.21%	0.21%
Rural Rate Protection Charge	1,096	0.0005	0.55	1,096	0.0005	0.55	0.00	0.00%	0.26%	0.26%
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%
<b>Sub-Total: Regulatory</b>			<b>4.52</b>			<b>4.52</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.14%</b>	<b>2.12%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>199.35</b>			<b>201.72</b>	<b>2.37</b>	<b>1.19%</b>	<b>95.24%</b>	
HST		0.13	25.92		0.13	26.22	0.31	1.19%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>225.27</b>			<b>227.95</b>	<b>2.68</b>	<b>1.19%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-15.95		-0.08	-16.14	-0.19	-1.19%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>209.32</b>			<b>211.81</b>	<b>2.49</b>	<b>1.19%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>201.06</b>			<b>203.43</b>	<b>2.37</b>	<b>1.18%</b>		<b>95.24%</b>
HST		0.13	26.14		0.13	26.45	0.31	1.18%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>227.20</b>			<b>229.88</b>	<b>2.68</b>	<b>1.18%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-16.09		-0.08	-16.27	-0.19	-1.18%		-7.62%
<b>Total Amount on TOU</b>			<b>211.12</b>			<b>213.61</b>	<b>2.49</b>	<b>1.18%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - GSe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	14.49%	
Energy Second Tier	1,250	0.089	111.25	1,250	0.089	111.25	0.00	0.00%	27.92%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>169.00</b>			<b>169.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>42.41%</b>	
TOU-Off Peak	1,300	0.065	84.50	1,300	0.065	84.50	0.00	0.00%		21.52%
TOU-Mid Peak	340	0.094	31.96	340	0.094	31.96	0.00	0.00%		8.14%
TOU-On Peak	360	0.134	48.24	360	0.134	48.24	0.00	0.00%		12.29%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>164.70</b>			<b>164.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.33%</b>	<b>41.94%</b>
Service Charge	1	31.51	31.51	1	32.08	32.08	0.57	1.81%	8.05%	8.17%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	2,000	0.0616	123.20	2,000	0.0634	126.80	3.60	2.92%	31.82%	32.29%
Volumetric Foregone Revenue Charge	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>154.71</b>			<b>158.88</b>	<b>4.17</b>	<b>2.70%</b>	<b>39.87%</b>	<b>40.46%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.14%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.0890	17.09	192	0.0890	17.09	0.00	0.00%	4.29%	4.35%
Line Losses on Cost of Power (based on TOU prices)	192	0.0824	15.81	192	0.0824	15.81	0.00	0.00%	3.97%	4.03%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>172.37</b>			<b>176.54</b>	<b>4.17</b>	<b>2.42%</b>	<b>44.30%</b>	<b>44.96%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>171.09</b>			<b>175.26</b>	<b>4.17</b>	<b>2.44%</b>	<b>43.98%</b>	<b>44.63%</b>
Retail Transmission Rate – Network Service Rate	2,192	0.0061	13.37	2,192	0.0061	13.37	0.00	0.00%	3.36%	3.41%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0054	11.84	2,192	0.0054	11.84	0.00	0.00%	2.97%	3.01%
<b>Sub-Total: Retail Transmission</b>			<b>25.21</b>			<b>25.21</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.33%</b>	<b>6.42%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>197.58</b>			<b>201.75</b>	<b>4.17</b>	<b>2.11%</b>	<b>50.62%</b>	<b>51.38%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>196.30</b>			<b>200.47</b>	<b>4.17</b>	<b>2.12%</b>	<b>50.30%</b>	<b>51.05%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,192	0.0030	6.58	2,192	0.0030	6.58	0.00	0.00%	1.65%	1.67%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,192	0.0004	0.88	2,192	0.0004	0.88	0.00	0.00%	0.22%	0.22%
Rural Rate Protection Charge	2,192	0.0005	1.10	2,192	0.0005	1.10	0.00	0.00%	0.28%	0.28%
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%
<b>Sub-Total: Regulatory</b>			<b>8.80</b>			<b>8.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.21%</b>	<b>2.24%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>375.37</b>			<b>379.54</b>	<b>4.17</b>	<b>1.11%</b>	<b>95.24%</b>	
HST		0.13	48.80		0.13	49.34	0.54	1.11%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>424.17</b>			<b>428.89</b>	<b>4.71</b>	<b>1.11%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-30.03		-0.08	-30.36	-0.33	-1.11%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>394.14</b>			<b>398.52</b>	<b>4.38</b>	<b>1.11%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>369.80</b>			<b>373.97</b>	<b>4.17</b>	<b>1.13%</b>		<b>95.24%</b>
HST		0.13	48.07		0.13	48.62	0.54	1.13%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>417.87</b>			<b>422.58</b>	<b>4.71</b>	<b>1.13%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-29.58		-0.08	-29.92	-0.33	-1.13%		-7.62%
<b>Total Amount on TOU</b>			<b>388.29</b>			<b>392.67</b>	<b>4.38</b>	<b>1.13%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Average Consumption Level) - GSe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	14.61%	
Energy Second Tier	1,232	0.089	109.65	1,232	0.089	109.65	0.00	0.00%	27.75%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>167.40</b>			<b>167.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>42.36%</b>	
TOU-Off Peak	1,288	0.065	83.74	1,288	0.065	83.74	0.00	0.00%		21.50%
TOU-Mid Peak	337	0.094	31.67	337	0.094	31.67	0.00	0.00%		8.13%
TOU-On Peak	357	0.134	47.81	357	0.134	47.81	0.00	0.00%		12.28%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>163.22</b>			<b>163.22</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.30%</b>	<b>41.91%</b>
Service Charge	1	31.51	31.51	1	32.08	32.08	0.57	1.81%	8.12%	8.24%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,982	0.0616	122.09	1,982	0.0634	125.66	3.57	2.92%	31.80%	32.27%
Volumetric Foregone Revenue Charge	1,982	0.0000	0.00	1,982	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,982	0.0000	0.00	1,982	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>153.60</b>			<b>157.74</b>	<b>4.14</b>	<b>2.69%</b>	<b>39.92%</b>	<b>40.50%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.14%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	190	0.0890	16.93	190	0.0890	16.93	0.00	0.00%	4.29%	4.35%
Line Losses on Cost of Power (based on TOU prices)	190	0.0824	15.67	190	0.0824	15.67	0.00	0.00%	3.97%	4.02%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>171.11</b>			<b>175.24</b>	<b>4.14</b>	<b>2.42%</b>	<b>44.35%</b>	<b>45.00%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>169.84</b>			<b>173.98</b>	<b>4.14</b>	<b>2.44%</b>	<b>44.03%</b>	<b>44.67%</b>
Retail Transmission Rate – Network Service Rate	2,172	0.0061	13.25	2,172	0.0061	13.25	0.00	0.00%	3.35%	3.40%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,172	0.0054	11.73	2,172	0.0054	11.73	0.00	0.00%	2.97%	3.01%
<b>Sub-Total: Retail Transmission</b>			<b>24.98</b>			<b>24.98</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.32%</b>	<b>6.41%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>196.09</b>			<b>200.22</b>	<b>4.14</b>	<b>2.11%</b>	<b>50.67%</b>	<b>51.41%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>194.82</b>			<b>198.96</b>	<b>4.14</b>	<b>2.12%</b>	<b>50.35%</b>	<b>51.09%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,172	0.0030	6.52	2,172	0.0030	6.52	0.00	0.00%	1.65%	1.67%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,172	0.0004	0.87	2,172	0.0004	0.87	0.00	0.00%	0.22%	0.22%
Rural Rate Protection Charge	2,172	0.0005	1.09	2,172	0.0005	1.09	0.00	0.00%	0.27%	0.28%
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%
<b>Sub-Total: Regulatory</b>			<b>8.72</b>			<b>8.72</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.21%</b>	<b>2.24%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>372.21</b>			<b>376.34</b>	<b>4.14</b>	<b>1.11%</b>	<b>95.24%</b>	
HST		0.13	48.39		0.13	48.92	0.54	1.11%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>420.59</b>			<b>425.27</b>	<b>4.68</b>	<b>1.11%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-29.78		-0.08	-30.11	-0.33	-1.11%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>390.82</b>			<b>395.16</b>	<b>4.34</b>	<b>1.11%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>366.76</b>			<b>370.90</b>	<b>4.14</b>	<b>1.13%</b>		<b>95.24%</b>
HST		0.13	47.68		0.13	48.22	0.54	1.13%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>414.44</b>			<b>419.12</b>	<b>4.68</b>	<b>1.13%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-29.34		-0.08	-29.67	-0.33	-1.13%		-7.62%
<b>Total Amount on TOU</b>			<b>385.10</b>			<b>389.44</b>	<b>4.34</b>	<b>1.13%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (High Consumption Level) - GSe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	2.04%	
Energy Second Tier	14,250	0.089	1,268.25	14,250	0.089	1,268.25	0.00	0.00%	44.88%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>1,326.00</b>			<b>1,326.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.92%</b>	
TOU-Off Peak	9,750	0.065	633.75	9,750	0.065	633.75	0.00	0.00%		23.30%
TOU-Mid Peak	2,550	0.094	239.70	2,550	0.094	239.70	0.00	0.00%		8.81%
TOU-On Peak	2,700	0.134	361.80	2,700	0.134	361.80	0.00	0.00%		13.30%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>1,235.25</b>			<b>1,235.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>43.71%</b>	<b>45.41%</b>
Service Charge	1	31.51	31.51	1	32.08	32.08	0.57	1.81%	1.14%	1.18%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	15,000	0.0616	924.00	15,000	0.0634	951.00	27.00	2.92%	33.65%	34.96%
Volumetric Foregone Revenue Charge	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>955.51</b>			<b>983.08</b>	<b>27.57</b>	<b>2.89%</b>	<b>34.79%</b>	<b>36.14%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.0890	128.16	1,440	0.0890	128.16	0.00	0.00%	4.54%	4.71%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.0824	118.58	1,440	0.0824	118.58	0.00	0.00%	4.20%	4.36%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>1,084.24</b>			<b>1,111.81</b>	<b>27.57</b>	<b>2.54%</b>	<b>39.34%</b>	<b>40.87%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>1,074.66</b>			<b>1,102.23</b>	<b>27.57</b>	<b>2.57%</b>	<b>39.01%</b>	<b>40.52%</b>
Retail Transmission Rate – Network Service Rate	16,440	0.0061	100.28	16,440	0.0061	100.28	0.00	0.00%	3.55%	3.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0054	88.78	16,440	0.0054	88.78	0.00	0.00%	3.14%	3.26%
<b>Sub-Total: Retail Transmission</b>			<b>189.06</b>			<b>189.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.69%</b>	<b>6.95%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>1,273.30</b>			<b>1,300.87</b>	<b>27.57</b>	<b>2.17%</b>	<b>46.04%</b>	<b>47.82%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>1,263.72</b>			<b>1,291.29</b>	<b>27.57</b>	<b>2.18%</b>	<b>45.70%</b>	<b>47.47%</b>
Wholesale Market Service Rate (WMS) - not including CBR	16,440	0.0030	49.32	16,440	0.0030	49.32	0.00	0.00%	1.75%	1.81%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	16,440	0.0004	6.58	16,440	0.0004	6.58	0.00	0.00%	0.23%	0.24%
Rural Rate Protection Charge	16,440	0.0005	8.22	16,440	0.0005	8.22	0.00	0.00%	0.29%	0.30%
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%
<b>Sub-Total: Regulatory</b>			<b>64.37</b>			<b>64.37</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.28%</b>	<b>2.37%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>2,663.67</b>			<b>2,691.24</b>	<b>27.57</b>	<b>1.04%</b>	<b>95.24%</b>	
HST		0.13	346.28		0.13	349.86	3.58	1.04%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>3,009.94</b>			<b>3,041.10</b>	<b>31.15</b>	<b>1.04%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-213.09		-0.08	-215.30	-2.21	-1.04%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>2,796.85</b>			<b>2,825.80</b>	<b>28.95</b>	<b>1.04%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>2,563.34</b>			<b>2,590.91</b>	<b>27.57</b>	<b>1.08%</b>		<b>95.24%</b>
HST		0.13	333.23		0.13	336.82	3.58	1.08%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>2,896.57</b>			<b>2,927.73</b>	<b>31.15</b>	<b>1.08%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-205.07		-0.08	-207.27	-2.21	-1.08%		-7.62%
<b>Total Amount on TOU</b>			<b>2,691.51</b>			<b>2,720.46</b>	<b>28.95</b>	<b>1.08%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Low Consumption Level) - UGe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	34.52%	
Energy Second Tier	250	0.089	22.25	250	0.089	22.25	0.00	0.00%	13.30%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>80.00</b>			<b>80.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>47.82%</b>	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		24.96%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		9.44%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		14.25%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>82.35</b>			<b>82.35</b>	<b>0.00</b>	<b>0.00%</b>	<b>49.22%</b>	<b>48.64%</b>
Service Charge	1	24.76	24.76	1	25.28	25.28	0.52	2.10%	15.11%	14.93%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	1,000	0.0293	29.30	1,000	0.0302	30.20	0.90	3.07%	18.05%	17.84%
Volumetric Foregone Revenue Charge	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>54.06</b>			<b>55.48</b>	<b>1.42</b>	<b>2.63%</b>	<b>33.16%</b>	<b>32.77%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.34%	0.34%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.0890	5.96	67	0.0890	5.96	0.00	0.00%	3.56%	3.52%
Line Losses on Cost of Power (based on TOU prices)	67	0.0824	5.52	67	0.0824	5.52	0.00	0.00%	3.30%	3.26%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>60.59</b>			<b>62.01</b>	<b>1.42</b>	<b>2.34%</b>	<b>37.07%</b>	<b>36.63%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>60.15</b>			<b>61.57</b>	<b>1.42</b>	<b>2.36%</b>	<b>36.80%</b>	<b>36.37%</b>
Retail Transmission Rate – Network Service Rate	1,067	0.0066	7.04	1,067	0.0066	7.04	0.00	0.00%	4.21%	4.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0055	5.87	1,067	0.0055	5.87	0.00	0.00%	3.51%	3.47%
<b>Sub-Total: Retail Transmission</b>			<b>12.91</b>			<b>12.91</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.72%</b>	<b>7.63%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>73.50</b>			<b>74.92</b>	<b>1.42</b>	<b>1.93%</b>	<b>44.78%</b>	<b>44.25%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>73.06</b>			<b>74.48</b>	<b>1.42</b>	<b>1.94%</b>	<b>44.52%</b>	<b>43.99%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,067	0.0030	3.20	1,067	0.0030	3.20	0.00	0.00%	1.91%	1.89%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,067	0.0004	0.43	1,067	0.0004	0.43	0.00	0.00%	0.26%	0.25%
Rural Rate Protection Charge	1,067	0.0005	0.53	1,067	0.0005	0.53	0.00	0.00%	0.32%	0.32%
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%
<b>Sub-Total: Regulatory</b>			<b>4.41</b>			<b>4.41</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.64%</b>	<b>2.61%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>157.92</b>			<b>159.34</b>	<b>1.42</b>	<b>0.90%</b>	<b>95.24%</b>	
HST		0.13	20.53		0.13	20.71	0.18	0.90%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>178.44</b>			<b>180.05</b>	<b>1.60</b>	<b>0.90%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-12.63		-0.08	-12.75	-0.11	-0.90%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>165.81</b>			<b>167.30</b>	<b>1.49</b>	<b>0.90%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>159.82</b>			<b>161.24</b>	<b>1.42</b>	<b>0.89%</b>		<b>95.24%</b>
HST		0.13	20.78		0.13	20.96	0.18	0.89%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>180.60</b>			<b>182.20</b>	<b>1.60</b>	<b>0.89%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-12.79		-0.08	-12.90	-0.11	-0.89%		-7.62%
<b>Total Amount on TOU</b>			<b>167.81</b>			<b>169.30</b>	<b>1.49</b>	<b>0.89%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Typical Consumption Level) - UGe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	18.24%	
Energy Second Tier	1,250	0.089	111.25	1,250	0.089	111.25	0.00	0.00%	35.13%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>169.00</b>			<b>169.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>53.37%</b>	
TOU-Off Peak	1,300	0.065	84.50	1,300	0.065	84.50	0.00	0.00%		27.15%
TOU-Mid Peak	340	0.094	31.96	340	0.094	31.96	0.00	0.00%		10.27%
TOU-On Peak	360	0.134	48.24	360	0.134	48.24	0.00	0.00%		15.50%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>164.70</b>			<b>164.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>52.01%</b>	<b>52.92%</b>
Service Charge	1	24.76	24.76	1	25.28	25.28	0.52	2.10%	7.98%	8.12%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	2,000	0.0293	58.60	2,000	0.0302	60.40	1.80	3.07%	19.07%	19.41%
Volumetric Foregone Revenue Charge	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>83.36</b>			<b>85.68</b>	<b>2.32</b>	<b>2.78%</b>	<b>27.06%</b>	<b>27.53%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.18%	0.18%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.0890	11.93	134	0.0890	11.93	0.00	0.00%	3.77%	3.83%
Line Losses on Cost of Power (based on TOU prices)	134	0.0824	11.03	134	0.0824	11.03	0.00	0.00%	3.48%	3.55%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>95.86</b>			<b>98.18</b>	<b>2.32</b>	<b>2.42%</b>	<b>31.00%</b>	<b>31.55%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>94.96</b>			<b>97.28</b>	<b>2.32</b>	<b>2.44%</b>	<b>30.72%</b>	<b>31.26%</b>
Retail Transmission Rate – Network Service Rate	2,134	0.0066	14.08	2,134	0.0066	14.08	0.00	0.00%	4.45%	4.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0055	11.74	2,134	0.0055	11.74	0.00	0.00%	3.71%	3.77%
<b>Sub-Total: Retail Transmission</b>			<b>25.82</b>			<b>25.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.15%</b>	<b>8.30%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>121.68</b>			<b>124.00</b>	<b>2.32</b>	<b>1.91%</b>	<b>39.16%</b>	<b>39.85%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>120.79</b>			<b>123.11</b>	<b>2.32</b>	<b>1.92%</b>	<b>38.88%</b>	<b>39.56%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,134	0.0030	6.40	2,134	0.0030	6.40	0.00	0.00%	2.02%	2.06%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,134	0.0004	0.85	2,134	0.0004	0.85	0.00	0.00%	0.27%	0.27%
Rural Rate Protection Charge	2,134	0.0005	1.07	2,134	0.0005	1.07	0.00	0.00%	0.34%	0.34%
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%
<b>Sub-Total: Regulatory</b>			<b>8.57</b>			<b>8.57</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.71%</b>	<b>2.75%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>299.25</b>			<b>301.57</b>	<b>2.32</b>	<b>0.78%</b>	<b>95.24%</b>	
HST		0.13	38.90		0.13	39.20	0.30	0.78%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>338.15</b>			<b>340.77</b>	<b>2.62</b>	<b>0.78%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-23.94		-0.08	-24.13	-0.19	-0.78%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>314.21</b>			<b>316.65</b>	<b>2.44</b>	<b>0.78%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>294.06</b>			<b>296.38</b>	<b>2.32</b>	<b>0.79%</b>		<b>95.24%</b>
HST		0.13	38.23		0.13	38.53	0.30	0.79%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>332.29</b>			<b>334.91</b>	<b>2.62</b>	<b>0.79%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-23.52		-0.08	-23.71	-0.19	-0.79%		-7.62%
<b>Total Amount on TOU</b>			<b>308.76</b>			<b>311.20</b>	<b>2.44</b>	<b>0.79%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers

**2021 Bill Impacts (Average Consumption Level) - UGe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	13.43%	
Energy Second Tier	2,009	0.089	178.80	2,009	0.089	178.80	0.00	0.00%	41.58%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>236.55</b>			<b>236.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>55.01%</b>	
TOU-Off Peak	1,793	0.065	116.57	1,793	0.065	116.57	0.00	0.00%		27.83%
TOU-Mid Peak	469	0.094	44.09	469	0.094	44.09	0.00	0.00%		10.52%
TOU-On Peak	497	0.134	66.55	497	0.134	66.55	0.00	0.00%		15.89%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>227.20</b>			<b>227.20</b>	<b>0.00</b>	<b>0.00%</b>	<b>52.84%</b>	<b>54.24%</b>
Service Charge	1	24.76	24.76	1	25.28	25.28	0.52	2.10%	5.88%	6.03%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	2,759	0.0293	80.84	2,759	0.0302	83.32	2.48	3.07%	19.38%	19.89%
Volumetric Foregone Revenue Charge	2,759	0.0000	0.00	2,759	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	2,759	0.0000	0.00	2,759	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>105.60</b>			<b>108.60</b>	<b>3.00</b>	<b>2.84%</b>	<b>25.26%</b>	<b>25.93%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.13%	0.14%
Line Losses on Cost of Power (based on two-tier RPP prices)	185	0.0890	16.45	185	0.0890	16.45	0.00	0.00%	3.83%	3.93%
Line Losses on Cost of Power (based on TOU prices)	185	0.0824	15.22	185	0.0824	15.22	0.00	0.00%	3.54%	3.63%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>122.62</b>			<b>125.62</b>	<b>3.00</b>	<b>2.45%</b>	<b>29.21%</b>	<b>29.99%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>121.39</b>			<b>124.39</b>	<b>3.00</b>	<b>2.47%</b>	<b>28.93%</b>	<b>29.70%</b>
Retail Transmission Rate – Network Service Rate	2,944	0.0066	19.43	2,944	0.0066	19.43	0.00	0.00%	4.52%	4.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,944	0.0055	16.19	2,944	0.0055	16.19	0.00	0.00%	3.77%	3.87%
<b>Sub-Total: Retail Transmission</b>			<b>35.62</b>			<b>35.62</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.28%</b>	<b>8.50%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>158.24</b>			<b>161.24</b>	<b>3.00</b>	<b>1.90%</b>	<b>37.50%</b>	<b>38.49%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>157.01</b>			<b>160.02</b>	<b>3.00</b>	<b>1.91%</b>	<b>37.21%</b>	<b>38.20%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,944	0.0030	8.83	2,944	0.0030	8.83	0.00	0.00%	2.05%	2.11%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,944	0.0004	1.18	2,944	0.0004	1.18	0.00	0.00%	0.27%	0.28%
Rural Rate Protection Charge	2,944	0.0005	1.47	2,944	0.0005	1.47	0.00	0.00%	0.34%	0.35%
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%
<b>Sub-Total: Regulatory</b>			<b>11.73</b>			<b>11.73</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.73%</b>	<b>2.80%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>406.52</b>			<b>409.53</b>	<b>3.00</b>	<b>0.74%</b>	<b>95.24%</b>	
HST		0.13	52.85		0.13	53.24	0.39	0.74%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>459.37</b>			<b>462.76</b>	<b>3.39</b>	<b>0.74%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-32.52		-0.08	-32.76	-0.24	-0.74%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>426.85</b>			<b>430.00</b>	<b>3.15</b>	<b>0.74%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>395.95</b>			<b>398.95</b>	<b>3.00</b>	<b>0.76%</b>		<b>95.24%</b>
HST		0.13	51.47		0.13	51.86	0.39	0.76%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>447.42</b>			<b>450.81</b>	<b>3.39</b>	<b>0.76%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-31.68		-0.08	-31.92	-0.24	-0.76%		-7.62%
<b>Total Amount on TOU</b>			<b>415.74</b>			<b>418.90</b>	<b>3.15</b>	<b>0.76%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (High Consumption Level) - UGe**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	2.56%	
Energy Second Tier	14,250	0.089	1,268.25	14,250	0.089	1,268.25	0.00	0.00%	56.16%	
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>1,326.00</b>			<b>1,326.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>58.72%</b>	
TOU-Off Peak	9,750	0.065	633.75	9,750	0.065	633.75	0.00	0.00%		29.40%
TOU-Mid Peak	2,550	0.094	239.70	2,550	0.094	239.70	0.00	0.00%		11.12%
TOU-On Peak	2,700	0.134	361.80	2,700	0.134	361.80	0.00	0.00%		16.78%
<b>Sub-Total: Energy (RPP TOU)</b>			<b>1,235.25</b>			<b>1,235.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>54.70%</b>	<b>57.30%</b>
Service Charge	1	24.76	24.76	1	25.28	25.28	0.52	2.10%	1.12%	1.17%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Charge	15,000	0.0293	439.50	15,000	0.0302	453.00	13.50	3.07%	20.06%	21.01%
Volumetric Foregone Revenue Charge	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (General)	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
Fair Hydro Plan - Distribution Rate Protection Savings*			0.00			0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>464.26</b>			<b>478.28</b>	<b>14.02</b>	<b>3.02%</b>	<b>21.18%</b>	<b>22.19%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.0890	89.45	1,005	0.0890	89.45	0.00	0.00%	3.96%	4.15%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.0824	82.76	1,005	0.0824	82.76	0.00	0.00%	3.67%	3.84%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>554.28</b>			<b>568.30</b>	<b>14.02</b>	<b>2.53%</b>	<b>25.17%</b>	<b>26.36%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>547.59</b>			<b>561.61</b>	<b>14.02</b>	<b>2.56%</b>	<b>24.87%</b>	<b>26.05%</b>
Retail Transmission Rate – Network Service Rate	16,005	0.0066	105.63	16,005	0.0066	105.63	0.00	0.00%	4.68%	4.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0055	88.03	16,005	0.0055	88.03	0.00	0.00%	3.90%	4.08%
<b>Sub-Total: Retail Transmission</b>			<b>193.66</b>			<b>193.66</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.58%</b>	<b>8.98%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>747.94</b>			<b>761.96</b>	<b>14.02</b>	<b>1.87%</b>	<b>33.74%</b>	<b>35.34%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>741.25</b>			<b>755.27</b>	<b>14.02</b>	<b>1.89%</b>	<b>33.45%</b>	<b>35.03%</b>
Wholesale Market Service Rate (WMS) - not including CBR	16,005	0.0030	48.02	16,005	0.0030	48.02	0.00	0.00%	2.13%	2.23%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	16,005	0.0004	6.40	16,005	0.0004	6.40	0.00	0.00%	0.28%	0.30%
Rural Rate Protection Charge	16,005	0.0005	8.00	16,005	0.0005	8.00	0.00	0.00%	0.35%	0.37%
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%
<b>Sub-Total: Regulatory</b>			<b>62.67</b>			<b>62.67</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.78%</b>	<b>2.91%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>2,136.61</b>			<b>2,150.63</b>	<b>14.02</b>	<b>0.66%</b>	<b>95.24%</b>	
HST		0.13	277.76		0.13	279.58	1.82	0.66%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>2,414.36</b>			<b>2,430.21</b>	<b>15.84</b>	<b>0.66%</b>	<b>107.62%</b>	
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-170.93		-0.08	-172.05	-1.12	-0.66%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>2,243.44</b>			<b>2,258.16</b>	<b>14.72</b>	<b>0.66%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>2,039.17</b>			<b>2,053.19</b>	<b>14.02</b>	<b>0.69%</b>		<b>95.24%</b>
HST		0.13	265.09		0.13	266.91	1.82	0.69%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>2,304.26</b>			<b>2,320.11</b>	<b>15.84</b>	<b>0.69%</b>		<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-163.13		-0.08	-164.26	-1.12	-0.69%		-7.62%
<b>Total Amount on TOU</b>			<b>2,141.13</b>			<b>2,155.85</b>	<b>14.72</b>	<b>0.69%</b>		<b>100.00%</b>

\* Distribution rate protection applies to R1 and R2 customers



**2021 Bill Impacts (Low Consumption Level) - GSd**

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	15,915	0.116	<b>1,838.18</b>	15,915	0.116	<b>1,838.18</b>	<b>0.00</b>	<b>0.00%</b>	<b>49.15%</b>
Service Charge	1	105.21	105.21	1	106.97	106.97	1.76	1.67%	2.86%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	60	17.6289	1,057.73	60	18.1276	1,087.66	29.92	2.83%	29.08%
Volumetric Foregone Revenue Charge	60	0	0.00	60	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	60	0.0000	0.00	60	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,162.94</b>			<b>1,194.63</b>	<b>31.68</b>	<b>2.72%</b>	<b>31.94%</b>
Retail Transmission Rate – Network Service Rate	60	1.9327	115.96	60	1.9327	115.96	0.00	0.00%	3.10%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.6437	98.62	60	1.6437	98.62	0.00	0.00%	2.64%
<b>Sub-Total: Retail Transmission</b>			<b>214.58</b>			<b>214.58</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.74%</b>
<b>Sub-Total: Delivery</b>			<b>1,377.53</b>			<b>1,409.21</b>	<b>31.68</b>	<b>2.30%</b>	<b>37.68%</b>
Wholesale Market Service Rate (WMS) - not including CBR	15,915	0.0030	47.75	15,915	0.0030	47.75	0.00	0.00%	1.28%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	15,915	0.0004	6.37	15,915	0.0004	6.37	0.00	0.00%	0.17%
Rural Rate Protection Charge	15,915	0.0005	7.96	15,915	0.0005	7.96	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%	0.01%
<b>Sub-Total: Regulatory</b>			<b>62.32</b>			<b>62.32</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.67%</b>
<b>Total Electricity Charge (before HST)</b>			<b>3,278.03</b>			<b>3,309.71</b>	<b>31.68</b>	<b>0.97%</b>	<b>88.50%</b>
HST		0.13	426.14		0.13	430.26	4.12	0.97%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>3,704.17</b>			<b>3,739.97</b>	<b>35.80</b>	<b>0.97%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>3,704.17</b>			<b>3,739.97</b>	<b>35.80</b>	<b>0.97%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (Average Consumption Level) - GSD**

Rate Class	GSD
Monthly Consumption (kWh)	36,104
Peak (kW)	124
Loss factor	1.061
Load factor	40%
Monthly Consumption (kWh) - Uplifted	38,306
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	38,306	0.116	<b>4,424.38</b>	38,306	0.116	<b>4,424.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>53.11%</b>
Service Charge	1	105.21	105.21	1	106.97	106.97	1.76	1.67%	1.28%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	124	17.6289	2,185.98	124	18.1276	2,247.82	61.84	2.83%	26.98%
Volumetric Foregone Revenue Charge	124	0	0.00	124	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	124	0.0000	0.00	124	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	36,104	0.0000	0.00	36,104	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>2,291.19</b>			<b>2,354.79</b>	<b>63.60</b>	<b>2.78%</b>	<b>28.27%</b>
Retail Transmission Rate – Network Service Rate	124	1.9327	239.65	124	1.9327	239.65	0.00	0.00%	2.88%
Retail Transmission Rate – Line and Transformation Connection Service Rate	124	1.6437	203.82	124	1.6437	203.82	0.00	0.00%	2.45%
<b>Sub-Total: Retail Transmission</b>			<b>443.47</b>			<b>443.47</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.32%</b>
<b>Sub-Total: Delivery</b>			<b>2,734.67</b>			<b>2,798.27</b>	<b>63.60</b>	<b>2.33%</b>	<b>33.59%</b>
Wholesale Market Service Rate (WMS) - not including CBR	38,306	0.0030	114.92	38,306	0.0030	114.92	0.00	0.00%	1.38%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	38,306	0.0004	15.32	38,306	0.0004	15.32	0.00	0.00%	0.18%
Rural Rate Protection Charge	38,306	0.0005	19.15	38,306	0.0005	19.15	0.00	0.00%	0.23%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>149.64</b>			<b>149.64</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.80%</b>
<b>Total Electricity Charge (before HST)</b>			<b>7,308.69</b>			<b>7,372.29</b>	<b>63.60</b>	<b>0.87%</b>	<b>88.50%</b>
HST		0.13	950.13		0.13	958.40	8.27	0.87%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>8,258.82</b>			<b>8,330.69</b>	<b>71.87</b>	<b>0.87%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>8,258.82</b>			<b>8,330.69</b>	<b>71.87</b>	<b>0.87%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (High Consumption Level) - GSd**

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	185,675	0.116	<b>21,445.46</b>	185,675	0.116	<b>21,445.46</b>	<b>0.00</b>	<b>0.00%</b>	<b>57.29%</b>
Service Charge	1	105.21	105.21	1	106.97	106.97	1.76	1.67%	0.29%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	500	17.6289	8,814.45	500	18.1276	9,063.80	249.35	2.83%	24.21%
Volumetric Foregone Revenue Charge	500	0	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	500	0.0000	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	175,000	0.0000	0.00	175,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>8,919.66</b>			<b>9,170.77</b>	<b>251.11</b>	<b>2.82%</b>	<b>24.50%</b>
Retail Transmission Rate – Network Service Rate	500	1.9327	966.35	500	1.9327	966.35	0.00	0.00%	2.58%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.6437	821.85	500	1.6437	821.85	0.00	0.00%	2.20%
<b>Sub-Total: Retail Transmission</b>			<b>1,788.20</b>			<b>1,788.20</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.78%</b>
<b>Sub-Total: Delivery</b>			<b>10,707.86</b>			<b>10,958.97</b>	<b>251.11</b>	<b>2.35%</b>	<b>29.27%</b>
Wholesale Market Service Rate (WMS) - not including CBR	185,675	0.0030	557.03	185,675	0.0030	557.03	0.00	0.00%	1.49%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	185,675	0.0004	74.27	185,675	0.0004	74.27	0.00	0.00%	0.20%
Rural Rate Protection Charge	185,675	0.0005	92.84	185,675	0.0005	92.84	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%	0.00%
<b>Sub-Total: Regulatory</b>			<b>724.38</b>			<b>724.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.94%</b>
<b>Total Electricity Charge (before HST)</b>			<b>32,877.71</b>			<b>33,128.82</b>	<b>251.11</b>	<b>0.76%</b>	<b>88.50%</b>
HST		0.13	4,274.10		0.13	4,306.75	32.64	0.76%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>37,151.81</b>			<b>37,435.56</b>	<b>283.75</b>	<b>0.76%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>37,151.81</b>			<b>37,435.56</b>	<b>283.75</b>	<b>0.76%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (Low Consumption Level) - UGd**

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	15,750	0.116	<b>1,819.13</b>	15,750	0.116	<b>1,819.13</b>	<b>0.00</b>	<b>0.00%</b>	<b>55.88%</b>
Service Charge	1	97.68	97.68	1	98.98	98.98	1.30	1.33%	3.04%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	60	10.1512	609.07	60	10.4516	627.10	18.02	2.96%	19.26%
Volumetric Foregone Revenue Charge	60	0	0.00	60	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	60	0.0000	0.00	60	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	15,000	0.0000	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>706.75</b>			<b>726.08</b>	<b>19.32</b>	<b>2.73%</b>	<b>22.30%</b>
Retail Transmission Rate – Network Service Rate	60	2.4771	148.63	60	2.4771	148.63	0.00	0.00%	4.57%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	2.0887	125.32	60	2.0887	125.32	0.00	0.00%	3.85%
<b>Sub-Total: Retail Transmission</b>			<b>273.95</b>			<b>273.95</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.42%</b>
<b>Sub-Total: Delivery</b>			<b>980.70</b>			<b>1,000.02</b>	<b>19.32</b>	<b>1.97%</b>	<b>30.72%</b>
Wholesale Market Service Rate (WMS) - not including CBR	15,750	0.0030	47.25	15,750	0.0030	47.25	0.00	0.00%	1.45%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	15,750	0.0004	6.30	15,750	0.0004	6.30	0.00	0.00%	0.19%
Rural Rate Protection Charge	15,750	0.0005	7.88	15,750	0.0005	7.88	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%
<b>Sub-Total: Regulatory</b>			<b>61.68</b>			<b>61.68</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.89%</b>
<b>Total Electricity Charge (before HST)</b>			<b>2,861.50</b>			<b>2,880.82</b>	<b>19.32</b>	<b>0.68%</b>	<b>88.50%</b>
HST		0.13	372.00		0.13	374.51	2.51	0.68%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>3,233.50</b>			<b>3,255.33</b>	<b>21.84</b>	<b>0.68%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>3,233.50</b>			<b>3,255.33</b>	<b>21.84</b>	<b>0.68%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (Average Consumption Level) - UGd**

Rate Class	UGd
Monthly Consumption (kWh)	50,525
Peak (kW)	135
Loss factor	1.050
Load factor	51%
Monthly Consumption (kWh) - Uplifted	53,051
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	53,051	0.116	<b>6,127.42</b>	53,051	0.116	<b>6,127.42</b>	<b>0.00</b>	<b>0.00%</b>	<b>64.09%</b>
Service Charge	1	97.68	97.68	1	98.98	98.98	1.30	1.33%	1.04%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	135	10.1512	1,370.41	135	10.4516	1,410.97	40.55	2.96%	14.76%
Volumetric Foregone Revenue Charge	135	0	0.00	135	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	135	0.0000	0.00	135	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	50,525	0.0000	0.00	50,525	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,468.09</b>			<b>1,509.95</b>	<b>41.85</b>	<b>2.85%</b>	<b>15.79%</b>
Retail Transmission Rate – Network Service Rate	135	2.4771	334.41	135	2.4771	334.41	0.00	0.00%	3.50%
Retail Transmission Rate – Line and Transformation Connection Service Rate	135	2.0887	281.97	135	2.0887	281.97	0.00	0.00%	2.95%
<b>Sub-Total: Retail Transmission</b>			<b>616.38</b>			<b>616.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.45%</b>
<b>Sub-Total: Delivery</b>			<b>2,084.48</b>			<b>2,126.33</b>	<b>41.85</b>	<b>2.01%</b>	<b>22.24%</b>
Wholesale Market Service Rate (WMS) - not including CBR	53,051	0.0030	159.15	53,051	0.0030	159.15	0.00	0.00%	1.66%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	53,051	0.0004	21.22	53,051	0.0004	21.22	0.00	0.00%	0.22%
Rural Rate Protection Charge	53,051	0.0005	26.53	53,051	0.0005	26.53	0.00	0.00%	0.28%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>207.15</b>			<b>207.15</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.17%</b>
<b>Total Electricity Charge (before HST)</b>			<b>8,419.04</b>			<b>8,460.90</b>	<b>41.85</b>	<b>0.50%</b>	<b>88.50%</b>
HST		0.13	1,094.48		0.13	1,099.92	5.44	0.50%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>9,513.52</b>			<b>9,560.82</b>	<b>47.30</b>	<b>0.50%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>9,513.52</b>			<b>9,560.82</b>	<b>47.30</b>	<b>0.50%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (High Consumption Level) - UGd**

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	183,750	0.116	<b>21,223.13</b>	183,750	0.116	<b>21,223.13</b>	<b>0.00</b>	<b>0.00%</b>	<b>63.56%</b>
Service Charge	1	97.68	97.68	1	98.98	98.98	1.30	1.33%	0.30%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	500	10.1512	5,075.60	500	10.4516	5,225.80	150.20	2.96%	15.65%
Volumetric Foregone Revenue Charge	500	0	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	500	0.0000	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	175,000	0.0000	0.00	175,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>5,173.28</b>			<b>5,324.78</b>	<b>151.50</b>	<b>2.93%</b>	<b>15.95%</b>
Retail Transmission Rate – Network Service Rate	500	2.4771	1,238.55	500	2.4771	1,238.55	0.00	0.00%	3.71%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.0887	1,044.35	500	2.0887	1,044.35	0.00	0.00%	3.13%
<b>Sub-Total: Retail Transmission</b>			<b>2,282.90</b>			<b>2,282.90</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.84%</b>
<b>Sub-Total: Delivery</b>			<b>7,456.18</b>			<b>7,607.68</b>	<b>151.50</b>	<b>2.03%</b>	<b>22.79%</b>
Wholesale Market Service Rate (WMS) - not including CBR	183,750	0.0030	551.25	183,750	0.0030	551.25	0.00	0.00%	1.65%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	183,750	0.0004	73.50	183,750	0.0004	73.50	0.00	0.00%	0.22%
Rural Rate Protection Charge	183,750	0.0005	91.88	183,750	0.0005	91.88	0.00	0.00%	0.28%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>716.88</b>			<b>716.88</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.15%</b>
<b>Total Electricity Charge (before HST)</b>			<b>29,396.18</b>			<b>29,547.68</b>	<b>151.50</b>	<b>0.52%</b>	<b>88.50%</b>
HST		0.13	3,821.50		0.13	3,841.20	19.70	0.52%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>33,217.68</b>			<b>33,388.88</b>	<b>171.20</b>	<b>0.52%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>33,217.68</b>			<b>33,388.88</b>	<b>171.20</b>	<b>0.52%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (Low Consumption Level) - St Lgt**

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	100	0.077	7.70	100	0.077	7.70	0.00	0.00%	30.48%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>7.70</b>			<b>7.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.48%</b>
Service Charge	1	3.38	3.38	1	3.46	3.46	0.08	2.37%	13.69%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	100	0.1030	10.30	100	0.1058	10.58	0.28	2.72%	41.87%
Volumetric Foregone Revenue Charge	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>13.68</b>			<b>14.04</b>	<b>0.36</b>	<b>2.63%</b>	<b>55.57%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	9	0.0770	0.71	9	0.0770	0.71	0.00	0.00%	2.80%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>14.39</b>			<b>14.75</b>	<b>0.36</b>	<b>2.50%</b>	<b>58.37%</b>
Retail Transmission Rate – Network Service Rate	109	0.0051	0.56	109	0.0051	0.56	0.00	0.00%	2.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0035	0.38	109	0.0035	0.38	0.00	0.00%	1.51%
<b>Sub-Total: Retail Transmission</b>			<b>0.94</b>			<b>0.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.72%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>15.33</b>			<b>15.69</b>	<b>0.36</b>	<b>2.35%</b>	<b>62.09%</b>
Wholesale Market Service Rate (WMS) - not including CBR	109	0.0030	0.33	109	0.0030	0.33	0.00	0.00%	1.30%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	109	0.0004	0.04	109	0.0004	0.04	0.00	0.00%	0.17%
Rural Rate Protection Charge	109	0.0005	0.05	109	0.0005	0.05	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%	0.99%
<b>Sub-Total: Regulatory</b>			<b>0.68</b>			<b>0.68</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.67%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>23.70</b>			<b>24.06</b>	<b>0.36</b>	<b>1.52%</b>	<b>95.24%</b>
HST		0.13	3.08		0.13	3.13	0.05	1.52%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>26.78</b>			<b>27.19</b>	<b>0.41</b>	<b>1.52%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-1.90		-0.08	-1.93	-0.03	-1.52%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>24.89</b>			<b>25.27</b>	<b>0.38</b>	<b>1.52%</b>	<b>100.00%</b>

**2021 Bill Impacts (Average Consumption Level) - St Lgt**

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	517	0.077	39.81	517	0.077	39.81	0.00	0.00%	34.80%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>39.81</b>			<b>39.81</b>	<b>0.00</b>	<b>0.00%</b>	<b>34.80%</b>
Service Charge	1	3.38	3.38	1	3.46	3.46	0.08	2.37%	3.02%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	517	0.1030	53.25	517	0.1058	54.70	1.45	2.72%	47.82%
Volumetric Foregone Revenue Charge	517	0.0000	0.00	517	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	517	0.0000	0.00	517	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	517	0.0000	0.00	517	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>56.63</b>			<b>58.16</b>	<b>1.53</b>	<b>2.70%</b>	<b>50.85%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	48	0.0770	3.66	48	0.0770	3.66	0.00	0.00%	3.20%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>60.29</b>			<b>61.82</b>	<b>1.53</b>	<b>2.53%</b>	<b>54.05%</b>
Retail Transmission Rate – Network Service Rate	565	0.0051	2.88	565	0.0051	2.88	0.00	0.00%	2.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	565	0.0035	1.98	565	0.0035	1.98	0.00	0.00%	1.73%
<b>Sub-Total: Retail Transmission</b>			<b>4.86</b>			<b>4.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.24%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>65.15</b>			<b>66.68</b>	<b>1.53</b>	<b>2.34%</b>	<b>58.29%</b>
Wholesale Market Service Rate (WMS) - not including CBR	565	0.0030	1.69	565	0.0030	1.69	0.00	0.00%	1.48%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	565	0.0004	0.23	565	0.0004	0.23	0.00	0.00%	0.20%
Rural Rate Protection Charge	565	0.0005	0.28	565	0.0005	0.28	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%	0.22%
<b>Sub-Total: Regulatory</b>			<b>2.45</b>			<b>2.45</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.14%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>107.41</b>			<b>108.94</b>	<b>1.53</b>	<b>1.42%</b>	<b>95.24%</b>
HST		0.13	13.96		0.13	14.16	0.20	1.42%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>121.37</b>			<b>123.10</b>	<b>1.73</b>	<b>1.42%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-8.59		-0.08	-8.71	-0.12	-1.42%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>112.78</b>			<b>114.38</b>	<b>1.60</b>	<b>1.42%</b>	<b>100.00%</b>



**2021 Bill Impacts (High Consumption Level) - St Lgt**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	12.85%
Energy Second Tier	1,250	0.089	111.25	1,250	0.089	111.25	0.00	0.00%	24.76%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>169.00</b>			<b>169.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.61%</b>
Service Charge	1	3.38	3.38	1	3.46	3.46	0.08	2.37%	0.77%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	2,000	0.1030	206.00	2,000	0.1058	211.60	5.60	2.72%	47.09%
Volumetric Foregone Revenue Charge	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>209.38</b>			<b>215.06</b>	<b>5.68</b>	<b>2.71%</b>	<b>47.86%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	184	0.0890	16.38	184	0.0890	16.38	0.00	0.00%	3.64%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>225.76</b>			<b>231.44</b>	<b>5.68</b>	<b>2.52%</b>	<b>51.50%</b>
Retail Transmission Rate – Network Service Rate	2,184	0.0051	11.14	2,184	0.0051	11.14	0.00	0.00%	2.48%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,184	0.0035	7.64	2,184	0.0035	7.64	0.00	0.00%	1.70%
<b>Sub-Total: Retail Transmission</b>			<b>18.78</b>			<b>18.78</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.18%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>244.54</b>			<b>250.22</b>	<b>5.68</b>	<b>2.32%</b>	<b>55.68%</b>
Wholesale Market Service Rate (WMS) - not including CBR	2,184	0.0030	6.55	2,184	0.0030	6.55	0.00	0.00%	1.46%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	2,184	0.0004	0.87	2,184	0.0004	0.87	0.00	0.00%	0.19%
Rural Rate Protection Charge	2,184	0.0005	1.09	2,184	0.0005	1.09	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%	0.06%
<b>Sub-Total: Regulatory</b>			<b>8.77</b>			<b>8.77</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.95%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>422.31</b>			<b>427.99</b>	<b>5.68</b>	<b>1.34%</b>	<b>95.24%</b>
HST		0.13	54.90		0.13	55.64	0.74	1.34%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>477.21</b>			<b>483.62</b>	<b>6.42</b>	<b>1.34%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-33.78		-0.08	-34.24	-0.45	-1.34%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>443.42</b>			<b>449.39</b>	<b>5.96</b>	<b>1.34%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - Sen Lgt**

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	20	0.077	1.54	20	0.077	1.54	0.00	0.00%	18.26%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>1.54</b>			<b>1.54</b>	<b>0.00</b>	<b>0.00%</b>	<b>18.26%</b>
Service Charge	1	2.64	2.64	1	2.79	2.79	0.15	5.68%	33.08%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	20	0.1435	2.87	20	0.1518	3.04	0.17	5.78%	35.99%
Volumetric Foregone Revenue Charge	20	0.0000	0.00	20	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	20	0.0000	0.00	20	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	20	0.0000	0.00	20	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>5.51</b>			<b>5.83</b>	<b>0.32</b>	<b>5.74%</b>	<b>69.07%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	2	0.0770	0.14	2	0.0770	0.14	0.00	0.00%	1.68%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>5.65</b>			<b>5.97</b>	<b>0.32</b>	<b>5.59%</b>	<b>70.75%</b>
Retail Transmission Rate – Network Service Rate	22	0.0051	0.11	22	0.0051	0.11	0.00	0.00%	1.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.93%
<b>Sub-Total: Retail Transmission</b>			<b>0.19</b>			<b>0.19</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.25%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>5.84</b>			<b>6.16</b>	<b>0.32</b>	<b>5.41%</b>	<b>73.01%</b>
Wholesale Market Service Rate (WMS) - not including CBR	22	0.0030	0.07	22	0.0030	0.07	0.00	0.00%	0.78%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	22	0.0004	0.01	22	0.0004	0.01	0.00	0.00%	0.10%
Rural Rate Protection Charge	22	0.0005	0.01	22	0.0005	0.01	0.00	0.00%	0.13%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.96%
<b>Sub-Total: Regulatory</b>			<b>0.34</b>			<b>0.34</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.97%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>7.72</b>			<b>8.03</b>	<b>0.32</b>	<b>4.09%</b>	<b>95.24%</b>
HST		0.13	1.00		0.13	1.04	0.04	4.09%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>8.72</b>			<b>9.08</b>	<b>0.36</b>	<b>4.09%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-0.62		-0.08	-0.64	-0.03	-4.09%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>8.10</b>			<b>8.43</b>	<b>0.33</b>	<b>4.09%</b>	<b>100.00%</b>

**2021 Bill Impacts (Average Consumption Level) - Sen Lgt**

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	71	0.077	5.47	71	0.077	5.47	0.00	0.00%	25.07%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>5.47</b>			<b>5.47</b>	<b>0.00</b>	<b>0.00%</b>	<b>25.07%</b>
Service Charge	1	2.64	2.64	1	2.79	2.79	0.15	5.68%	12.80%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	71	0.1435	10.19	71	0.1518	10.78	0.59	5.78%	49.43%
Volumetric Foregone Revenue Charge	71	0.0000	0.00	71	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	71	0.0000	0.00	71	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	71	0.0000	0.00	71	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>12.83</b>			<b>13.57</b>	<b>0.74</b>	<b>5.76%</b>	<b>62.23%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	7	0.0770	0.50	7	0.0770	0.50	0.00	0.00%	2.31%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>13.33</b>			<b>14.07</b>	<b>0.74</b>	<b>5.55%</b>	<b>64.54%</b>
Retail Transmission Rate – Network Service Rate	78	0.0051	0.40	78	0.0051	0.40	0.00	0.00%	1.81%
Retail Transmission Rate – Line and Transformation Connection Service Rate	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.28%
<b>Sub-Total: Retail Transmission</b>			<b>0.67</b>			<b>0.67</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.09%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>14.01</b>			<b>14.75</b>	<b>0.74</b>	<b>5.28%</b>	<b>67.63%</b>
Wholesale Market Service Rate (WMS) - not including CBR	78	0.0030	0.23	78	0.0030	0.23	0.00	0.00%	1.07%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	78	0.0004	0.03	78	0.0004	0.03	0.00	0.00%	0.14%
Rural Rate Protection Charge	78	0.0005	0.04	78	0.0005	0.04	0.00	0.00%	0.18%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.15%
<b>Sub-Total: Regulatory</b>			<b>0.55</b>			<b>0.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.53%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>20.03</b>			<b>20.76</b>	<b>0.74</b>	<b>3.69%</b>	<b>95.24%</b>
HST		0.13	2.60		0.13	2.70	0.10	3.69%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>22.63</b>			<b>23.46</b>	<b>0.84</b>	<b>3.69%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-1.60		-0.08	-1.66	-0.06	-3.69%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>21.03</b>			<b>21.80</b>	<b>0.78</b>	<b>3.69%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - Sen Lgt**

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	200	0.077	15.40	200	0.077	15.40	0.00	0.00%	27.69%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>15.40</b>			<b>15.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>27.69%</b>
Service Charge	1	2.64	2.64	1	2.79	2.79	0.15	5.68%	5.02%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	200	0.1435	28.70	200	0.1518	30.36	1.66	5.78%	54.59%
Volumetric Foregone Revenue Charge	200	0.0000	0.00	200	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	200	0.0000	0.00	200	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	200	0.0000	0.00	200	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>31.34</b>			<b>33.15</b>	<b>1.81</b>	<b>5.78%</b>	<b>59.60%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	18	0.0770	1.42	18	0.0770	1.42	0.00	0.00%	2.55%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>32.76</b>			<b>34.57</b>	<b>1.81</b>	<b>5.53%</b>	<b>62.15%</b>
Retail Transmission Rate – Network Service Rate	218	0.0051	1.11	218	0.0051	1.11	0.00	0.00%	2.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.41%
<b>Sub-Total: Retail Transmission</b>			<b>1.90</b>			<b>1.90</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.42%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>34.66</b>			<b>36.47</b>	<b>1.81</b>	<b>5.22%</b>	<b>65.57%</b>
Wholesale Market Service Rate (WMS) - not including CBR	218	0.0030	0.66	218	0.0030	0.66	0.00	0.00%	1.18%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	218	0.0004	0.09	218	0.0004	0.09	0.00	0.00%	0.16%
Rural Rate Protection Charge	218	0.0005	0.11	218	0.0005	0.11	0.00	0.00%	0.20%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%
<b>Sub-Total: Regulatory</b>			<b>1.10</b>			<b>1.10</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.98%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>51.16</b>			<b>52.97</b>	<b>1.81</b>	<b>3.54%</b>	<b>95.24%</b>
HST		0.13	6.65		0.13	6.89	0.24	3.54%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>57.81</b>			<b>59.85</b>	<b>2.05</b>	<b>3.54%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-4.09		-0.08	-4.24	-0.14	-3.54%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>53.72</b>			<b>55.62</b>	<b>1.90</b>	<b>3.54%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - USL**

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	100	0.077	7.70	100	0.077	7.70	0.00	0.00%	14.75%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>7.70</b>			<b>7.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>14.75%</b>
Service Charge	1	36.15	36.15	1	37.13	37.13	0.98	2.71%	71.11%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	100	0.0241	2.41	100	0.0248	2.48	0.07	2.90%	4.75%
Volumetric Foregone Revenue Charge	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>38.56</b>			<b>39.61</b>	<b>1.05</b>	<b>2.72%</b>	<b>75.85%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	9	0.0770	0.71	9	0.0770	0.71	0.00	0.00%	1.36%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>39.27</b>			<b>40.32</b>	<b>1.05</b>	<b>2.67%</b>	<b>77.21%</b>
Retail Transmission Rate – Network Service Rate	109	0.0051	0.56	109	0.0051	0.56	0.00	0.00%	1.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.92%
<b>Sub-Total: Retail Transmission</b>			<b>1.04</b>			<b>1.04</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.99%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>40.31</b>			<b>41.36</b>	<b>1.05</b>	<b>2.61%</b>	<b>79.20%</b>
Wholesale Market Service Rate (WMS) - not including CBR	109	0.0030	0.33	109	0.0030	0.33	0.00	0.00%	0.63%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	109	0.0004	0.04	109	0.0004	0.04	0.00	0.00%	0.08%
Rural Rate Protection Charge	109	0.0005	0.05	109	0.0005	0.05	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%	0.48%
<b>Sub-Total: Regulatory</b>			<b>0.68</b>			<b>0.68</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.29%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>48.68</b>			<b>49.73</b>	<b>1.05</b>	<b>2.16%</b>	<b>95.24%</b>
HST		0.13	6.33		0.13	6.47	0.14	2.16%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>55.01</b>			<b>56.20</b>	<b>1.19</b>	<b>2.16%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-3.89		-0.08	-3.98	-0.08	-2.16%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>51.12</b>			<b>52.22</b>	<b>1.10</b>	<b>2.16%</b>	<b>100.00%</b>

**2021 Bill Impacts (Average Consumption Level) - USL**

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	364	0.077	28.03	364	0.077	28.03	0.00	0.00%	32.42%
Energy Second Tier	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>28.03</b>			<b>28.03</b>	<b>0.00</b>	<b>0.00%</b>	<b>32.42%</b>
Service Charge	1	36.15	36.15	1	37.13	37.13	0.98	2.71%	42.95%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	364	0.0241	8.77	364	0.0248	9.03	0.25	2.90%	10.44%
Volumetric Foregone Revenue Charge	364	0.0000	0.00	364	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	364	0.0000	0.00	364	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	364	0.0000	0.00	364	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>44.92</b>			<b>46.16</b>	<b>1.23</b>	<b>2.75%</b>	<b>53.39%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	33	0.0770	2.58	33	0.0770	2.58	0.00	0.00%	2.98%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>47.50</b>			<b>48.74</b>	<b>1.23</b>	<b>2.60%</b>	<b>56.37%</b>
Retail Transmission Rate – Network Service Rate	397	0.0051	2.03	397	0.0051	2.03	0.00	0.00%	2.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	397	0.0044	1.75	397	0.0044	1.75	0.00	0.00%	2.02%
<b>Sub-Total: Retail Transmission</b>			<b>3.78</b>			<b>3.78</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.37%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>51.28</b>			<b>52.51</b>	<b>1.23</b>	<b>2.41%</b>	<b>60.74%</b>
Wholesale Market Service Rate (WMS) - not including CBR	397	0.0030	1.19	397	0.0030	1.19	0.00	0.00%	1.38%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	397	0.0004	0.16	397	0.0004	0.16	0.00	0.00%	0.18%
Rural Rate Protection Charge	397	0.0005	0.20	397	0.0005	0.20	0.00	0.00%	0.23%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.29%
<b>Sub-Total: Regulatory</b>			<b>1.80</b>			<b>1.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.08%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>81.11</b>			<b>82.34</b>	<b>1.23</b>	<b>1.52%</b>	<b>95.24%</b>
HST		0.13	10.54		0.13	10.70	0.16	1.52%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>91.65</b>			<b>93.04</b>	<b>1.40</b>	<b>1.52%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-6.49		-0.08	-6.59	-0.10	-1.52%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>85.16</b>			<b>86.46</b>	<b>1.30</b>	<b>1.52%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - USL**

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	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	33.33%
Energy Second Tier	250	0.089	22.25	250	0.089	22.25	0.00	0.00%	12.84%
<b>Sub-Total: Energy (RPP Tiered)</b>			<b>80.00</b>			<b>80.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.18%</b>
Service Charge	1	36.15	36.15	1	37.13	37.13	0.98	2.71%	21.43%
Fixed Foregone Revenue Charge	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	1,000	0.0241	24.10	1,000	0.0248	24.80	0.70	2.90%	14.31%
Volumetric Foregone Revenue Charge	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>60.25</b>			<b>61.93</b>	<b>1.68</b>	<b>2.79%</b>	<b>35.75%</b>
Line Losses on Cost of Power (based on two-tier RPP prices)	92	0.0890	8.19	92	0.0890	8.19	0.00	0.00%	4.73%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>68.44</b>			<b>70.12</b>	<b>1.68</b>	<b>2.45%</b>	<b>40.47%</b>
Retail Transmission Rate – Network Service Rate	1,092	0.0051	5.57	1,092	0.0051	5.57	0.00	0.00%	3.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.77%
<b>Sub-Total: Retail Transmission</b>			<b>10.37</b>			<b>10.37</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.99%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>78.81</b>			<b>80.49</b>	<b>1.68</b>	<b>2.13%</b>	<b>46.46%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,092	0.0030	3.28	1,092	0.0030	3.28	0.00	0.00%	1.89%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,092	0.0004	0.44	1,092	0.0004	0.44	0.00	0.00%	0.25%
Rural Rate Protection Charge	1,092	0.0005	0.55	1,092	0.0005	0.55	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%	0.14%
<b>Sub-Total: Regulatory</b>			<b>4.51</b>			<b>4.51</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.60%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>163.32</b>			<b>165.00</b>	<b>1.68</b>	<b>1.03%</b>	<b>95.24%</b>
HST		0.13	21.23		0.13	21.45	0.22	1.03%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>184.55</b>			<b>186.45</b>	<b>1.90</b>	<b>1.03%</b>	<b>107.62%</b>
Ontario Rebate for Electricity Consumers (OREC)		-0.08	-13.07		-0.08	-13.20	-0.13	-1.03%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>171.49</b>			<b>173.25</b>	<b>1.76</b>	<b>1.03%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - Dgen**

Rate Class	Dgen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	318	0.116	<b>36.76</b>	318	0.116	<b>36.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.37%</b>
Service Charge	1	192.28	192.28	1	193.98	193.98	1.70	0.88%	49.44%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	10	9.2057	92.06	10	9.7569	97.57	5.51	5.99%	24.87%
Volumetric Foregone Revenue Charge	10	0	0.00	10	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	10	0.0000	0.00	10	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	300	0.0000	0.00	300	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>284.34</b>			<b>291.55</b>	<b>7.21</b>	<b>2.54%</b>	<b>74.31%</b>
Retail Transmission Rate – Network Service Rate	10	0.9395	9.40	10	0.9395	9.40	0.00	0.00%	2.39%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.8007	8.01	10	0.8007	8.01	0.00	0.00%	2.04%
<b>Sub-Total: Retail Transmission</b>			<b>17.40</b>			<b>17.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.44%</b>
<b>Sub-Total: Delivery</b>			<b>301.74</b>			<b>308.95</b>	<b>7.21</b>	<b>2.39%</b>	<b>78.75%</b>
Wholesale Market Service Rate (WMS) - not including CBR	318	0.0030	0.95	318	0.0030	0.95	0.00	0.00%	0.24%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	318	0.0004	0.13	318	0.0004	0.13	0.00	0.00%	0.03%
Rural Rate Protection Charge	318	0.0005	0.16	318	0.0005	0.16	0.00	0.00%	0.04%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
<b>Sub-Total: Regulatory</b>			<b>1.49</b>			<b>1.49</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.38%</b>
<b>Total Electricity Charge (before HST)</b>			<b>339.99</b>			<b>347.21</b>	<b>7.21</b>	<b>2.12%</b>	<b>88.50%</b>
HST		0.13	44.20		0.13	45.14	0.94	2.12%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>384.19</b>			<b>392.34</b>	<b>8.15</b>	<b>2.12%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>384.19</b>			<b>392.34</b>	<b>8.15</b>	<b>2.12%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)



**2021 Bill Impacts (Average Consumption Level) - Dgen**

Rate Class	Dgen
Monthly Consumption (kWh)	1,328
Peak (kW)	13
Loss factor	1.061
Load factor	14%
Monthly Consumption (kWh) - Uplifted	1,409
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	1,409	0.116	<b>162.74</b>	1,409	0.116	<b>162.74</b>	<b>0.00</b>	<b>0.00%</b>	<b>28.13%</b>
Service Charge	1	192.28	192.28	1	193.98	193.98	1.70	0.88%	33.53%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	13	9.2057	119.67	13	9.7569	126.84	7.17	5.99%	21.93%
Volumetric Foregone Revenue Charge	13	0	0.00	13	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	13	0.0000	0.00	13	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	1,328	0.0000	0.00	1,328	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>311.95</b>			<b>320.82</b>	<b>8.87</b>	<b>2.84%</b>	<b>55.46%</b>
Retail Transmission Rate – Network Service Rate	13	0.9395	12.21	13	0.9395	12.21	0.00	0.00%	2.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	13	0.8007	10.41	13	0.8007	10.41	0.00	0.00%	1.80%
<b>Sub-Total: Retail Transmission</b>			<b>22.62</b>			<b>22.62</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.91%</b>
<b>Sub-Total: Delivery</b>			<b>334.58</b>			<b>343.44</b>	<b>8.87</b>	<b>2.65%</b>	<b>59.37%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,409	0.0030	4.23	1,409	0.0030	4.23	0.00	0.00%	0.73%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,409	0.0004	0.56	1,409	0.0004	0.56	0.00	0.00%	0.10%
Rural Rate Protection Charge	1,409	0.0005	0.70	1,409	0.0005	0.70	0.00	0.00%	0.12%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
<b>Sub-Total: Regulatory</b>			<b>5.75</b>			<b>5.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.99%</b>
<b>Total Electricity Charge (before HST)</b>			<b>503.06</b>			<b>511.93</b>	<b>8.87</b>	<b>1.76%</b>	<b>88.50%</b>
HST		0.13	65.40		0.13	66.55	1.15	1.76%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>568.46</b>			<b>578.48</b>	<b>10.02</b>	<b>1.76%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>568.46</b>			<b>578.48</b>	<b>10.02</b>	<b>1.76%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (High Consumption Level) - Dgen**

Rate Class	Dgen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	5,305	0.116	<b>612.73</b>	5,305	0.116	<b>612.73</b>	<b>0.00</b>	<b>0.00%</b>	<b>27.42%</b>
Service Charge	1	192.28	192.28	1	193.98	193.98	1.70	0.88%	8.68%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	100	9.2057	920.57	100	9.7569	975.69	55.12	5.99%	43.67%
Volumetric Foregone Revenue Charge	100	0	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	5,000	0.0000	0.00	5,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,112.85</b>			<b>1,169.67</b>	<b>56.82</b>	<b>5.11%</b>	<b>52.35%</b>
Retail Transmission Rate – Network Service Rate	100	0.9395	93.95	100	0.9395	93.95	0.00	0.00%	4.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.8007	80.07	100	0.8007	80.07	0.00	0.00%	3.58%
<b>Sub-Total: Retail Transmission</b>			<b>174.02</b>			<b>174.02</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.79%</b>
<b>Sub-Total: Delivery</b>			<b>1,286.87</b>			<b>1,343.69</b>	<b>56.82</b>	<b>4.42%</b>	<b>60.14%</b>
Wholesale Market Service Rate (WMS) - not including CBR	5,305	0.0030	15.92	5,305	0.0030	15.92	0.00	0.00%	0.71%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	5,305	0.0004	2.12	5,305	0.0004	2.12	0.00	0.00%	0.09%
Rural Rate Protection Charge	5,305	0.0005	2.65	5,305	0.0005	2.65	0.00	0.00%	0.12%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
<b>Sub-Total: Regulatory</b>			<b>20.94</b>			<b>20.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.94%</b>
<b>Total Electricity Charge (before HST)</b>			<b>1,920.54</b>			<b>1,977.36</b>	<b>56.82</b>	<b>2.96%</b>	<b>88.50%</b>
HST		0.13	249.67		0.13	257.06	7.39	2.96%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>2,170.21</b>			<b>2,234.41</b>	<b>64.21</b>	<b>2.96%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>2,170.21</b>			<b>2,234.41</b>	<b>64.21</b>	<b>2.96%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (Low Consumption Level) - ST**

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
<b>Energy (Non-RPP)*</b>	206,800	0.116	<b>23,885.40</b>	206,800	0.116	<b>23,885.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>70.75%</b>
Service Charge	1	1206.73	1,206.73	1	1296.44	1,296.44	89.71	7.43%	3.84%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	500	1.3873	693.65	500	1.5158	757.90	64.25	9.26%	2.24%
Volumetric Foregone Revenue Charge	500	0	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	500	0.0000	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	200,000	0.0000	0.00	200,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,900.38</b>			<b>2,054.34</b>	<b>153.96</b>	<b>8.10%</b>	<b>6.08%</b>
Retail Transmission Rate – Network Service Rate	500	3.4034	1,701.70	500	3.4034	1,701.70	0.00	0.00%	5.04%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.8571	1,428.55	500	2.8571	1,428.55	0.00	0.00%	4.23%
<b>Sub-Total: Retail Transmission</b>			<b>3,130.25</b>			<b>3,130.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.27%</b>
<b>Sub-Total: Delivery</b>			<b>5,030.63</b>			<b>5,184.59</b>	<b>153.96</b>	<b>3.06%</b>	<b>15.36%</b>
Wholesale Market Service Rate (WMS) - not including CBR	206,800	0.0030	620.40	206,800	0.0030	620.40	0.00	0.00%	1.84%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	206,800	0.0004	82.72	206,800	0.0004	82.72	0.00	0.00%	0.25%
Rural Rate Protection Charge	206,800	0.0005	103.40	206,800	0.0005	103.40	0.00	0.00%	0.31%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>806.77</b>			<b>806.77</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.39%</b>
<b>Total Electricity Charge (before HST)</b>			<b>29,722.80</b>			<b>29,876.76</b>	<b>153.96</b>	<b>0.52%</b>	<b>88.50%</b>
HST		0.13	3,863.96		0.13	3,883.98	20.01	0.52%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>33,586.76</b>			<b>33,760.74</b>	<b>173.97</b>	<b>0.52%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>33,586.76</b>			<b>33,760.74</b>	<b>173.97</b>	<b>0.52%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (Average Consumption Level) - ST**

Rate Class	ST
Monthly Consumption (kWh)	1,601,036
Peak (kW)	3,091
Loss factor	1.034
Load factor	71%
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
<b>Energy (Non-RPP)*</b>	1,655,471	0.116	<b>191,206.93</b>	1,655,471	0.116	<b>191,206.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>75.88%</b>
Service Charge	1	1206.73	1,206.73	1	1296.44	1,296.44	89.71	7.43%	0.51%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	3,091	1.3873	4,288.14	3,091	1.5158	4,685.34	397.19	9.26%	1.86%
Volumetric Foregone Revenue Charge	3,091	0	0.00	3,091	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	3,091	0.0000	0.00	3,091	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	1,601,036	0.0000	0.00	1,601,036	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>5,494.87</b>			<b>5,981.78</b>	<b>486.90</b>	<b>8.86%</b>	<b>2.37%</b>
Retail Transmission Rate – Network Service Rate	3,091	3.4034	10,519.91	3,091	3.4034	10,519.91	0.00	0.00%	4.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,091	2.8571	8,831.30	3,091	2.8571	8,831.30	0.00	0.00%	3.50%
<b>Sub-Total: Retail Transmission</b>			<b>19,351.21</b>			<b>19,351.21</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.68%</b>
<b>Sub-Total: Delivery</b>			<b>24,846.08</b>			<b>25,332.98</b>	<b>486.90</b>	<b>1.96%</b>	<b>10.05%</b>
Wholesale Market Service Rate (WMS) - not including CBR	1,655,471	0.0030	4,966.41	1,655,471	0.0030	4,966.41	0.00	0.00%	1.97%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	1,655,471	0.0004	662.19	1,655,471	0.0004	662.19	0.00	0.00%	0.26%
Rural Rate Protection Charge	1,655,471	0.0005	827.74	1,655,471	0.0005	827.74	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%	0.00%
<b>Sub-Total: Regulatory</b>			<b>6,456.59</b>			<b>6,456.59</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.56%</b>
<b>Total Electricity Charge (before HST)</b>			<b>222,509.59</b>			<b>222,996.50</b>	<b>486.90</b>	<b>0.22%</b>	<b>88.50%</b>
HST		0.13	28,926.25		0.13	28,989.54	63.30	0.22%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>251,435.84</b>			<b>251,986.04</b>	<b>550.20</b>	<b>0.22%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>251,435.84</b>			<b>251,986.04</b>	<b>550.20</b>	<b>0.22%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

**2021 Bill Impacts (High Consumption Level) - ST**

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
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
<b>Energy (Non-RPP)*</b>	4,136,000	0.116	<b>477,708.00</b>	4,136,000	0.116	<b>477,708.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>73.79%</b>
Service Charge	1	1206.73	1,206.73	1	1296.44	1,296.44	89.71	7.43%	0.20%
Fixed Foregone Revenue Charge	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider (General)	1	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Charge	10,000	1.3873	13,873.00	10,000	1.5158	15,158.00	1,285.00	9.26%	2.34%
Volumetric Foregone Revenue Charge	10,000	0	0.00	10,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (General)	10,000	0.0000	0.00	10,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Deferral/Variance Account Rider (Sub-Account Global Adjustment)	4,000,000	0.0000	0.00	4,000,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>15,079.73</b>			<b>16,454.44</b>	<b>1,374.71</b>	<b>9.12%</b>	<b>2.54%</b>
Retail Transmission Rate – Network Service Rate	10,000	3.4034	34,034.00	10,000	3.4034	34,034.00	0.00	0.00%	5.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.8571	28,571.00	10,000	2.8571	28,571.00	0.00	0.00%	4.41%
<b>Sub-Total: Retail Transmission</b>			<b>62,605.00</b>			<b>62,605.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.67%</b>
<b>Sub-Total: Delivery</b>			<b>77,684.73</b>			<b>79,059.44</b>	<b>1,374.71</b>	<b>1.77%</b>	<b>12.21%</b>
Wholesale Market Service Rate (WMS) - not including CBR	4,136,000	0.0030	12,408.00	4,136,000	0.0030	12,408.00	0.00	0.00%	1.92%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	4,136,000	0.0004	1,654.40	4,136,000	0.0004	1,654.40	0.00	0.00%	0.26%
Rural Rate Protection Charge	4,136,000	0.0005	2,068.00	4,136,000	0.0005	2,068.00	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%	0.00%
<b>Sub-Total: Regulatory</b>			<b>16,130.65</b>			<b>16,130.65</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.49%</b>
<b>Total Electricity Charge (before HST)</b>			<b>571,523.38</b>			<b>572,898.09</b>	<b>1,374.71</b>	<b>0.24%</b>	<b>88.50%</b>
HST		0.13	74,298.04		0.13	74,476.75	178.71	0.24%	11.50%
<b>Total Electricity Charge (including HST)</b>			<b>645,821.42</b>			<b>647,374.84</b>	<b>1,553.42</b>	<b>0.24%</b>	<b>100.00%</b>
Ontario Rebate for Electricity Consumers (OREC)		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount</b>			<b>645,821.42</b>			<b>647,374.84</b>	<b>1,553.42</b>	<b>0.24%</b>	<b>100.00%</b>

\*Average HOEP plus average GA used to approximate Non-RPP Energy Charges (IESO Monthly Market Report December 2017)

Appendix G:

2021 Bill Impact Sheets for Seasonal Eliminated Scenario

**2021 Bill Impacts (Low Consumption Level) - UR**

Filed: 2019-07-19  
 EB-2016-0315  
 HONI Elimination of Seasonal Class Update  
 Appendix G  
 Page 1 of 51

Rate Class	UR
Monthly Consumption (kWh)	350
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
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	0.077	26.95	350	0.077	26.95	0.00	0.00%	35.88%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>26.95</b>			<b>26.95</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.88%</b>	
TOU-Off Peak	228	0.065	14.79	228	0.065	14.79	0.00	0.00%		19.16%
TOU-Mid Peak	60	0.094	5.59	60	0.094	5.59	0.00	0.00%		7.25%
TOU-On Peak	63	0.134	8.44	63	0.134	8.44	0.00	0.00%		10.94%
<b>Sub-Total: Energy (TOU)</b>			<b>28.82</b>			<b>28.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.37%</b>	<b>37.34%</b>
Service Charge	1	31.91	31.91	1	34.94	34.94	3.03	9.50%	46.52%	45.27%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	350	0	0.00	350	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	350	0.0038	1.33	350	0.0000	0.00	-1.33	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	350	0	0.00	350	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>33.24</b>			<b>34.94</b>	<b>1.70</b>	<b>5.11%</b>	<b>46.52%</b>	<b>45.27%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.76%	0.74%
Line Losses on Cost of Power (based on two-tier RPP prices)	20	0.0770	1.54	20	0.0770	1.54	0.00	0.00%	2.05%	1.99%
Line Losses on Cost of Power (based on TOU prices)	20	0.0824	1.64	20	0.0824	1.64	0.00	0.00%	2.19%	2.13%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>35.35</b>			<b>37.05</b>	<b>1.70</b>	<b>4.81%</b>	<b>49.32%</b>	<b>47.99%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>35.45</b>			<b>37.15</b>	<b>1.70</b>	<b>4.80%</b>	<b>49.46%</b>	<b>48.13%</b>
Retail Transmission Rate – Network Service Rate	370	0.0084	3.11	370	0.0084	3.11	0.00	0.00%	4.14%	4.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	370	0.0074	2.74	370	0.0074	2.74	0.00	0.00%	3.64%	3.55%
<b>Sub-Total: Retail Transmission</b>			<b>5.85</b>			<b>5.85</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.78%</b>	<b>7.57%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>41.19</b>			<b>42.89</b>	<b>1.70</b>	<b>4.13%</b>	<b>57.10%</b>	<b>55.57%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>41.30</b>			<b>43.00</b>	<b>1.70</b>	<b>4.12%</b>	<b>57.25%</b>	<b>55.70%</b>
Wholesale Market Service Rate	370	0.0034	1.26	370	0.0034	1.26	0.00	0.00%	1.67%	1.63%
Rural Rate Protection Charge	370	0.0005	0.18	370	0.0005	0.18	0.00	0.00%	0.25%	0.24%
Ontario Electricity Support Program Charge	370	0.0000	0.00	370	0.0000	0.00	0.00	N/A	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.33%	0.32%
<b>Sub-Total: Regulatory</b>			<b>1.69</b>			<b>1.69</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.25%</b>	<b>2.19%</b>
<b>Debt Retirement Charge (DRC)</b>	350	0.000	<b>0.00</b>	350	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>69.83</b>			<b>71.53</b>	<b>1.70</b>	<b>2.43%</b>	<b>95.24%</b>	
HST		0.13	9.08		0.13	9.30	0.22	2.43%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>78.91</b>			<b>80.83</b>	<b>1.92</b>	<b>2.43%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-5.59		-0.08	-5.72	-0.14	-2.43%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>73.33</b>			<b>75.11</b>	<b>1.79</b>	<b>2.43%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>71.81</b>			<b>73.51</b>	<b>1.70</b>	<b>2.37%</b>		<b>95.24%</b>
HST		0.13	9.34		0.13	9.56	0.22	2.37%	12.38%	
<b>Total Electricity Charge on TOU (including HST)</b>			<b>81.15</b>			<b>83.07</b>	<b>1.92</b>	<b>2.37%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-5.75		-0.08	-5.88	-0.14	-2.37%		-7.62%
<b>Total Amount on TOU</b>			<b>75.40</b>			<b>77.19</b>	<b>1.78</b>	<b>2.37%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - UR**

Rate Class	UR
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	48.92%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>57.75</b>			<b>57.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.92%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		25.87%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		9.78%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		14.77%
<b>Sub-Total: Energy (TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>52.32%</b>	<b>50.42%</b>
Service Charge	1	31.91	31.91	1	34.94	34.94	3.03	9.50%	29.60%	28.52%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	750	0	0.00	750	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	750	0.0038	2.85	750	0.0000	0.00	-2.85	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>34.76</b>			<b>34.94</b>	<b>0.18</b>	<b>0.52%</b>	<b>29.60%</b>	<b>28.52%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.48%	0.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	43	0.0770	3.29	43	0.0770	3.29	0.00	0.00%	2.79%	2.69%
Line Losses on Cost of Power (based on TOU prices)	43	0.0824	3.52	43	0.0824	3.52	0.00	0.00%	2.98%	2.87%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>38.62</b>			<b>38.80</b>	<b>0.18</b>	<b>0.47%</b>	<b>32.87%</b>	<b>31.68%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>38.85</b>			<b>39.03</b>	<b>0.18</b>	<b>0.46%</b>	<b>33.07%</b>	<b>31.86%</b>
Retail Transmission Rate – Network Service Rate	793	0.0084	6.66	793	0.0084	6.66	0.00	0.00%	5.64%	5.44%
Retail Transmission Rate – Line and Transformation Connection Service Rate	793	0.0074	5.87	793	0.0074	5.87	0.00	0.00%	4.97%	4.79%
<b>Sub-Total: Retail Transmission</b>			<b>12.53</b>			<b>12.53</b>	<b>0.00</b>	<b>0.00%</b>	<b>10.61%</b>	<b>10.23%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>51.15</b>			<b>51.33</b>	<b>0.18</b>	<b>0.35%</b>	<b>43.48%</b>	<b>41.90%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>51.38</b>			<b>51.56</b>	<b>0.18</b>	<b>0.35%</b>	<b>43.68%</b>	<b>42.09%</b>
Wholesale Market Service Rate	793	0.0034	2.70	793	0.0034	2.70	0.00	0.00%	2.28%	2.20%
Rural Rate Protection Charge	793	0.0005	0.40	793	0.0005	0.40	0.00	0.00%	0.34%	0.32%
Ontario Electricity Support Program Charge	793	0.0000	0.00	793	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>3.34</b>			<b>3.34</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.83%</b>	<b>2.73%</b>
<b>Debt Retirement Charge (DRC)</b>	750	0.000	<b>0.00</b>	750	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>112.24</b>			<b>112.42</b>	<b>0.18</b>	<b>0.16%</b>	<b>95.24%</b>	
HST		0.13	14.59		0.13	14.61	0.02	0.16%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>126.83</b>			<b>127.03</b>	<b>0.20</b>	<b>0.16%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.98		-0.08	-8.99	-0.01	-0.16%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>117.85</b>			<b>118.04</b>	<b>0.19</b>	<b>0.16%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>116.48</b>			<b>116.66</b>	<b>0.18</b>	<b>0.15%</b>		<b>95.24%</b>
HST		0.13	15.14		0.13	15.17	0.02	0.15%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>131.62</b>			<b>131.83</b>	<b>0.20</b>	<b>0.15%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.32		-0.08	-9.33	-0.01	-0.15%		-7.62%
<b>Total Amount on TOU</b>			<b>122.30</b>			<b>122.49</b>	<b>0.19</b>	<b>0.15%</b>		<b>100.00%</b>



**2021 Bill Impacts (Avg Consumption Level) - UR**

Rate Class	UR
Monthly Consumption (kWh)	1400
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	29.32%	
Energy Second Tier (kWh)	650	0.089	57.85	650	0.089	57.85	0.00	0.00%	29.37%	
<b>Sub-Total: Energy (RPP)</b>			<b>115.60</b>			<b>115.60</b>	<b>0.00</b>	<b>0.00%</b>	<b>58.68%</b>	
TOU-Off Peak	910	0.065	59.15	910	0.065	59.15	0.00	0.00%		30.16%
TOU-Mid Peak	238	0.094	22.37	238	0.094	22.37	0.00	0.00%		11.41%
TOU-On Peak	252	0.134	33.77	252	0.134	33.77	0.00	0.00%		17.22%
<b>Sub-Total: Energy (TOU)</b>			<b>115.29</b>			<b>115.29</b>	<b>0.00</b>	<b>0.00%</b>	<b>58.52%</b>	<b>58.79%</b>
Service Charge	1	31.91	31.91	1	34.94	34.94	3.03	9.50%	17.74%	17.82%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	1,400	0	0.00	1,400	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	1,400	0.0038	5.32	1,400	0.0000	0.00	-5.32	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,400	0	0.00	1,400	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>37.23</b>			<b>34.94</b>	<b>-2.29</b>	<b>-6.15%</b>	<b>17.74%</b>	<b>17.82%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.29%	0.29%
Line Losses on Cost of Power (based on two-tier RPP prices)	80	0.0890	7.10	80	0.0890	7.10	0.00	0.00%	3.61%	3.62%
Line Losses on Cost of Power (based on TOU prices)	80	0.0824	6.57	80	0.0824	6.57	0.00	0.00%	3.34%	3.35%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>44.90</b>			<b>42.61</b>	<b>-2.29</b>	<b>-5.10%</b>	<b>21.63%</b>	<b>21.73%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>44.37</b>			<b>42.08</b>	<b>-2.29</b>	<b>-5.16%</b>	<b>21.36%</b>	<b>21.46%</b>
Retail Transmission Rate – Network Service Rate	1,480	0.0084	12.43	1,480	0.0084	12.43	0.00	0.00%	6.31%	6.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,480	0.0074	10.95	1,480	0.0074	10.95	0.00	0.00%	5.56%	5.58%
<b>Sub-Total: Retail Transmission</b>			<b>23.38</b>			<b>23.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>11.87%</b>	<b>11.92%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>68.28</b>			<b>65.99</b>	<b>-2.29</b>	<b>-3.35%</b>	<b>33.50%</b>	<b>33.65%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>67.75</b>			<b>65.46</b>	<b>-2.29</b>	<b>-3.38%</b>	<b>33.23%</b>	<b>33.38%</b>
Wholesale Market Service Rate	1,480	0.0034	5.03	1,480	0.0034	5.03	0.00	0.00%	2.55%	2.57%
Rural Rate Protection Charge	1,480	0.0005	0.74	1,480	0.0005	0.74	0.00	0.00%	0.38%	0.38%
Ontario Electricity Support Program Charge	1,480	0.0000	0.00	1,480	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>6.02</b>			<b>6.02</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.06%</b>	<b>3.07%</b>
<b>Debt Retirement Charge (DRC)</b>	1,400	0.000	<b>0.00</b>	1,400	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>189.90</b>			<b>187.61</b>	<b>-2.29</b>	<b>-1.21%</b>	<b>95.24%</b>	
HST		0.13	24.69		0.13	24.39	-0.30	-1.21%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>214.59</b>			<b>212.00</b>	<b>-2.59</b>	<b>-1.21%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.19		-0.08	-15.01	0.18	1.21%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>199.40</b>			<b>196.99</b>	<b>-2.40</b>	<b>-1.21%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>189.06</b>			<b>186.77</b>	<b>-2.29</b>	<b>-1.21%</b>		<b>95.24%</b>
HST		0.13	24.58		0.13	24.28	-0.30	-1.21%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>213.64</b>			<b>211.05</b>	<b>-2.59</b>	<b>-1.21%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.13		-0.08	-14.94	0.18	1.21%		-7.62%
<b>Total Amount on TOU</b>			<b>198.52</b>			<b>196.11</b>	<b>-2.40</b>	<b>-1.21%</b>		<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - R1 (with DRP)**

Rate Class	R1 - with DRP
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	430.4
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)	400	0.077	30.80	400	0.077	30.80	0.00	0.00%	37.21%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>30.80</b>			<b>30.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.21%</b>	
TOU-Off Peak	260	0.065	16.90	260	0.065	16.90	0.00	0.00%		19.84%
TOU-Mid Peak	68	0.094	6.39	68	0.094	6.39	0.00	0.00%		7.50%
TOU-On Peak	72	0.134	9.65	72	0.134	9.65	0.00	0.00%		11.33%
<b>Sub-Total: Energy (TOU)</b>			<b>32.94</b>			<b>32.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>39.80%</b>	<b>38.67%</b>
Service Charge	1	43.36	43.36	1	46.21	46.21	2.85	6.57%	55.83%	54.25%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	400	0	0.00	400	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	400	0.0181	7.24	400	0.0146	5.84	-1.40	-19.34%	7.06%	6.86%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	400	0	0.00	400	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			-13.74			-15.19				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>44.53%</b>	<b>43.27%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.69%	0.67%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.0770	2.34	30	0.0770	2.34	0.00	0.00%	2.83%	2.75%
Line Losses on Cost of Power (based on TOU prices)	30	0.0824	2.50	30	0.0824	2.50	0.00	0.00%	3.02%	2.94%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>39.77</b>			<b>39.77</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.05%</b>	<b>46.69%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>39.93</b>			<b>39.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>48.25%</b>	<b>46.88%</b>
Retail Transmission Rate – Network Service Rate	430	0.0078	3.36	430	0.0077	3.31	-0.04	-1.28%	4.00%	3.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.007	3.01	430	0.0070	3.01	0.00	0.00%	3.64%	3.54%
<b>Sub-Total: Retail Transmission</b>			<b>6.37</b>			<b>6.33</b>	<b>-0.04</b>	<b>-0.68%</b>	<b>7.64%</b>	<b>7.43%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>46.14</b>			<b>46.10</b>	<b>-0.04</b>	<b>-0.09%</b>	<b>55.70%</b>	<b>54.11%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>46.30</b>			<b>46.26</b>	<b>-0.04</b>	<b>-0.09%</b>	<b>55.89%</b>	<b>54.31%</b>
Wholesale Market Service Rate	430	0.0034	1.46	430	0.0034	1.46	0.00	0.00%	1.77%	1.72%
Rural Rate Protection Charge	430	0.0005	0.22	430	0.0005	0.22	0.00	0.00%	0.26%	0.25%
Ontario Electricity Support Program Charge	430	0.0000	0.00	430	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>1.93</b>			<b>1.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.33%</b>	<b>2.26%</b>
<b>Debt Retirement Charge (DRC)</b>	400	0.000	<b>0.00</b>	400	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>78.87</b>			<b>78.83</b>	<b>-0.04</b>	<b>-0.05%</b>	<b>95.24%</b>	
HST		0.13	10.25		0.13	10.25	-0.01	-0.05%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>89.12</b>			<b>89.07</b>	<b>-0.05</b>	<b>-0.05%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.31		-0.08	-6.31	0.00	0.05%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>82.81</b>			<b>82.77</b>	<b>-0.05</b>	<b>-0.05%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>81.17</b>			<b>81.13</b>	<b>-0.04</b>	<b>-0.05%</b>		<b>95.24%</b>
HST		0.13	10.55		0.13	10.55	-0.01	-0.05%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>91.72</b>			<b>91.68</b>	<b>-0.05</b>	<b>-0.05%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.49		-0.08	-6.49	0.00	0.05%		-7.62%
<b>Total Amount on TOU</b>			<b>85.23</b>			<b>85.19</b>	<b>-0.05</b>	<b>-0.05%</b>		<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - R1 (without DRP)**

Rate Class	R1 - without DRP
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	430.4
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)	400	0.077	30.80	400	0.077	30.80	0.00	0.00%	31.20%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>30.80</b>			<b>30.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>31.20%</b>	
TOU-Off Peak	260	0.065	16.90	260	0.065	16.90	0.00	0.00%		16.71%
TOU-Mid Peak	68	0.094	6.39	68	0.094	6.39	0.00	0.00%		6.32%
TOU-On Peak	72	0.134	9.65	72	0.134	9.65	0.00	0.00%		9.54%
<b>Sub-Total: Energy (TOU)</b>			<b>32.94</b>			<b>32.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>33.37%</b>	<b>32.57%</b>
Service Charge	1	43.36	43.36	1	46.21	46.21	2.85	6.57%	46.81%	45.69%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	400	0	0.00	400	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	400	0.0181	7.24	400	0.0146	5.84	-1.40	-19.34%	5.92%	5.77%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	400	0	0.00	400	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			0.00			0.00				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>50.60</b>			<b>52.05</b>	<b>1.45</b>	<b>2.87%</b>	<b>52.73%</b>	<b>51.47%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.58%	0.56%
Line Losses on Cost of Power (based on two-tier RPP prices)	30	0.0770	2.34	30	0.0770	2.34	0.00	0.00%	2.37%	2.31%
Line Losses on Cost of Power (based on TOU prices)	30	0.0824	2.50	30	0.0824	2.50	0.00	0.00%	2.54%	2.48%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>53.51</b>			<b>54.96</b>	<b>1.45</b>	<b>2.71%</b>	<b>55.68%</b>	<b>54.34%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>53.67</b>			<b>55.12</b>	<b>1.45</b>	<b>2.70%</b>	<b>55.84%</b>	<b>54.50%</b>
Retail Transmission Rate – Network Service Rate	430	0.0078	3.36	430	0.0077	3.31	-0.04	-1.28%	3.36%	3.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	430	0.007	3.01	430	0.0070	3.01	0.00	0.00%	3.05%	2.98%
<b>Sub-Total: Retail Transmission</b>			<b>6.37</b>			<b>6.33</b>	<b>-0.04</b>	<b>-0.68%</b>	<b>6.41%</b>	<b>6.26%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>59.88</b>			<b>61.29</b>	<b>1.41</b>	<b>2.35%</b>	<b>62.08%</b>	<b>60.60%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>60.04</b>			<b>61.45</b>	<b>1.41</b>	<b>2.34%</b>	<b>62.25%</b>	<b>60.76%</b>
Wholesale Market Service Rate	430	0.0034	1.46	430	0.0034	1.46	0.00	0.00%	1.48%	1.45%
Rural Rate Protection Charge	430	0.0005	0.22	430	0.0005	0.22	0.00	0.00%	0.22%	0.21%
Ontario Electricity Support Program Charge	430	0.0000	0.00	430	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>1.93</b>			<b>1.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.95%</b>	<b>1.91%</b>
<b>Debt Retirement Charge (DRC)</b>	400	0.000	<b>0.00</b>	400	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>92.61</b>			<b>94.02</b>	<b>1.41</b>	<b>1.52%</b>	<b>95.24%</b>	
HST		0.13	12.04		0.13	12.22	0.18	1.52%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>104.65</b>			<b>106.24</b>	<b>1.59</b>	<b>1.52%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.41		-0.08	-7.52	-0.11	-1.52%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>97.24</b>			<b>98.72</b>	<b>1.48</b>	<b>1.52%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>94.91</b>			<b>96.32</b>	<b>1.41</b>	<b>1.48%</b>		<b>95.24%</b>
HST		0.13	12.34		0.13	12.52	0.18	1.48%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>107.25</b>			<b>108.84</b>	<b>1.59</b>	<b>1.48%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.59		-0.08	-7.71	-0.11	-1.48%		-7.62%
<b>Total Amount on TOU</b>			<b>99.66</b>			<b>101.13</b>	<b>1.48</b>	<b>1.48%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - R1 (with DRP)**

Rate Class	R1 - with DRP
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	47.90%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>57.75</b>			<b>57.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>47.90%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		25.33%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		9.58%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		14.46%
<b>Sub-Total: Energy (TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.23%</b>	<b>49.37%</b>
Service Charge	1	43.36	43.36	1	46.21	46.21	2.85	6.57%	38.33%	36.94%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	750	0	0.00	750	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	750	0.0181	13.58	750	0.0146	10.95	-2.63	-19.34%	9.08%	8.75%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			-20.08			-20.30				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.57%</b>	<b>29.46%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.47%	0.46%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.0770	4.39	57	0.0770	4.39	0.00	0.00%	3.64%	3.51%
Line Losses on Cost of Power (based on TOU prices)	57	0.0824	4.69	57	0.0824	4.69	0.00	0.00%	3.89%	3.75%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>41.82</b>			<b>41.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>34.68%</b>	<b>33.43%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>42.12</b>			<b>42.12</b>	<b>0.00</b>	<b>0.00%</b>	<b>34.94%</b>	<b>33.67%</b>
Retail Transmission Rate – Network Service Rate	807	0.0078	6.29	807	0.0077	6.21	-0.08	-1.28%	5.15%	4.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.007	5.65	807	0.0070	5.65	0.00	0.00%	4.69%	4.52%
<b>Sub-Total: Retail Transmission</b>			<b>11.94</b>			<b>11.86</b>	<b>-0.08</b>	<b>-0.68%</b>	<b>9.84%</b>	<b>9.48%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>53.76</b>			<b>53.68</b>	<b>-0.08</b>	<b>-0.15%</b>	<b>44.52%</b>	<b>42.91%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>54.07</b>			<b>53.99</b>	<b>-0.08</b>	<b>-0.15%</b>	<b>44.78%</b>	<b>43.15%</b>
Wholesale Market Service Rate	807	0.0034	2.74	807	0.0034	2.74	0.00	0.00%	2.28%	2.19%
Rural Rate Protection Charge	807	0.0005	0.40	807	0.0005	0.40	0.00	0.00%	0.33%	0.32%
Ontario Electricity Support Program Charge	807	0.0000	0.00	807	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>3.40</b>			<b>3.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.82%</b>	<b>2.72%</b>
<b>Debt Retirement Charge (DRC)</b>	750	0.000	<b>0.00</b>	750	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>114.91</b>			<b>114.83</b>	<b>-0.08</b>	<b>-0.07%</b>	<b>95.24%</b>	
HST		0.13	14.94		0.13	14.93	-0.01	-0.07%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>129.85</b>			<b>129.76</b>	<b>-0.09</b>	<b>-0.07%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.19		-0.08	-9.19	0.01	0.07%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>120.66</b>			<b>120.57</b>	<b>-0.08</b>	<b>-0.07%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>119.23</b>			<b>119.15</b>	<b>-0.08</b>	<b>-0.07%</b>		<b>95.24%</b>
HST		0.13	15.50		0.13	15.49	-0.01	-0.07%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>134.73</b>			<b>134.64</b>	<b>-0.09</b>	<b>-0.07%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.54		-0.08	-9.53	0.01	0.07%		-7.62%
<b>Total Amount on TOU</b>			<b>125.19</b>			<b>125.10</b>	<b>-0.08</b>	<b>-0.07%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - R1 (without DRP)**

Rate Class	R1 - without DRP)
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	40.70%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>57.75</b>			<b>57.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>40.70%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		21.64%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		8.19%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		12.35%
<b>Sub-Total: Energy (TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>43.53%</b>	<b>42.18%</b>
Service Charge	1	43.36	43.36	1	46.21	46.21	2.85	6.57%	32.57%	31.56%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	750	0	0.00	750	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	750	0.0181	13.58	750	0.0146	10.95	-2.63	-19.34%	7.72%	7.48%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			0.00			0.00				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>56.94</b>			<b>57.16</b>	<b>0.22</b>	<b>0.40%</b>	<b>40.29%</b>	<b>39.04%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.40%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	57	0.0770	4.39	57	0.0770	4.39	0.00	0.00%	3.09%	3.00%
Line Losses on Cost of Power (based on TOU prices)	57	0.0824	4.69	57	0.0824	4.69	0.00	0.00%	3.31%	3.21%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>61.89</b>			<b>62.12</b>	<b>0.22</b>	<b>0.36%</b>	<b>43.78%</b>	<b>42.43%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>62.20</b>			<b>62.42</b>	<b>0.22</b>	<b>0.36%</b>	<b>44.00%</b>	<b>42.63%</b>
Retail Transmission Rate – Network Service Rate	807	0.0078	6.29	807	0.0077	6.21	-0.08	-1.28%	4.38%	4.24%
Retail Transmission Rate – Line and Transformation Connection Service Rate	807	0.007	5.65	807	0.0070	5.65	0.00	0.00%	3.98%	3.86%
<b>Sub-Total: Retail Transmission</b>			<b>11.94</b>			<b>11.86</b>	<b>-0.08</b>	<b>-0.68%</b>	<b>8.36%</b>	<b>8.10%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>73.84</b>			<b>73.98</b>	<b>0.14</b>	<b>0.20%</b>	<b>52.14%</b>	<b>50.53%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>74.14</b>			<b>74.29</b>	<b>0.14</b>	<b>0.19%</b>	<b>52.36%</b>	<b>50.74%</b>
Wholesale Market Service Rate	807	0.0034	2.74	807	0.0034	2.74	0.00	0.00%	1.93%	1.87%
Rural Rate Protection Charge	807	0.0005	0.40	807	0.0005	0.40	0.00	0.00%	0.28%	0.28%
Ontario Electricity Support Program Charge	807	0.0000	0.00	807	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>3.40</b>			<b>3.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.39%</b>	<b>2.32%</b>
<b>Debt Retirement Charge (DRC)</b>	750	0.000	<b>0.00</b>	750	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>134.98</b>			<b>135.13</b>	<b>0.14</b>	<b>0.11%</b>	<b>95.24%</b>	
HST		0.13	17.55		0.13	17.57	0.02	0.11%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>152.53</b>			<b>152.70</b>	<b>0.16</b>	<b>0.11%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-10.80		-0.08	-10.81	-0.01	-0.11%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>141.73</b>			<b>141.89</b>	<b>0.15</b>	<b>0.11%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>139.30</b>			<b>139.45</b>	<b>0.14</b>	<b>0.10%</b>		<b>95.24%</b>
HST		0.13	18.11		0.13	18.13	0.02	0.10%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>157.41</b>			<b>157.57</b>	<b>0.16</b>	<b>0.10%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.14		-0.08	-11.16	-0.01	-0.10%		-7.62%
<b>Total Amount on TOU</b>			<b>146.27</b>			<b>146.42</b>	<b>0.15</b>	<b>0.10%</b>		<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - R1 (with DRP)**

Rate Class	R1 - with DRP
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1936.8
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	23.20%	
Energy Second Tier (kWh)	1,050	0.089	93.45	1,050	0.089	93.45	0.00	0.00%	37.54%	
<b>Sub-Total: Energy (RPP)</b>			<b>151.20</b>			<b>151.20</b>	<b>0.00</b>	<b>0.00%</b>	<b>60.74%</b>	
TOU-Off Peak	1,170	0.065	76.05	1,170	0.065	76.05	0.00	0.00%		31.06%
TOU-Mid Peak	306	0.094	28.76	306	0.094	28.76	0.00	0.00%		11.75%
TOU-On Peak	324	0.134	43.42	324	0.134	43.42	0.00	0.00%		17.73%
<b>Sub-Total: Energy (TOU)</b>			<b>148.23</b>			<b>148.23</b>	<b>0.00</b>	<b>0.00%</b>	<b>59.55%</b>	<b>60.54%</b>
Service Charge	1	43.36	43.36	1	46.21	46.21	2.85	6.57%	18.56%	18.87%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	1,800	0	0.00	1,800	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0181	32.58	1,800	0.0146	26.28	-6.30	-19.34%	10.56%	10.73%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,800	0	0.00	1,800	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			-39.08			-35.63				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>14.81%</b>	<b>15.05%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.23%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.0890	12.18	137	0.0890	12.18	0.00	0.00%	4.89%	4.97%
Line Losses on Cost of Power (based on TOU prices)	137	0.0824	11.27	137	0.0824	11.27	0.00	0.00%	4.53%	4.60%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>49.61</b>			<b>49.61</b>	<b>0.00</b>	<b>0.00%</b>	<b>19.93%</b>	<b>20.26%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>48.70</b>			<b>48.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>19.56%</b>	<b>19.89%</b>
Retail Transmission Rate – Network Service Rate	1,937	0.0078	15.11	1,937	0.0077	14.91	-0.19	-1.28%	5.99%	6.09%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.007	13.56	1,937	0.0070	13.56	0.00	0.00%	5.45%	5.54%
<b>Sub-Total: Retail Transmission</b>			<b>28.66</b>			<b>28.47</b>	<b>-0.19</b>	<b>-0.68%</b>	<b>11.44%</b>	<b>11.63%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>78.27</b>			<b>78.08</b>	<b>-0.19</b>	<b>-0.25%</b>	<b>31.36%</b>	<b>31.89%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>77.36</b>			<b>77.17</b>	<b>-0.19</b>	<b>-0.25%</b>	<b>31.00%</b>	<b>31.51%</b>
Wholesale Market Service Rate	1,937	0.0034	6.59	1,937	0.0034	6.59	0.00	0.00%	2.65%	2.69%
Rural Rate Protection Charge	1,937	0.0005	0.97	1,937	0.0005	0.97	0.00	0.00%	0.39%	0.40%
Ontario Electricity Support Program Charge	1,937	0.0000	0.00	1,937	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>7.80</b>			<b>7.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.13%</b>	<b>3.19%</b>
<b>Debt Retirement Charge (DRC)</b>	1,800	0.000	<b>0.00</b>	1,800	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>237.27</b>			<b>237.08</b>	<b>-0.19</b>	<b>-0.08%</b>	<b>95.24%</b>	
HST		0.13	30.85		0.13	30.82	-0.03	-0.08%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>268.12</b>			<b>267.90</b>	<b>-0.22</b>	<b>-0.08%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.98		-0.08	-18.97	0.02	0.08%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>249.14</b>			<b>248.93</b>	<b>-0.20</b>	<b>-0.08%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>233.39</b>			<b>233.20</b>	<b>-0.19</b>	<b>-0.08%</b>		<b>95.24%</b>
HST		0.13	30.34		0.13	30.32	-0.03	-0.08%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>263.73</b>			<b>263.52</b>	<b>-0.22</b>	<b>-0.08%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-18.67		-0.08	-18.66	0.02	0.08%		-7.62%
<b>Total Amount on TOU</b>			<b>245.06</b>			<b>244.86</b>	<b>-0.20</b>	<b>-0.08%</b>		<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - R1 (without DRP)**

Rate Class	R1 - without DRP
Monthly Consumption (kWh)	1800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1936.8
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	20.17%	
Energy Second Tier (kWh)	1,050	0.089	93.45	1,050	0.089	93.45	0.00	0.00%	32.64%	
<b>Sub-Total: Energy (RPP)</b>			<b>151.20</b>			<b>151.20</b>	<b>0.00</b>	<b>0.00%</b>	<b>52.80%</b>	
TOU-Off Peak	1,170	0.065	76.05	1,170	0.065	76.05	0.00	0.00%		26.94%
TOU-Mid Peak	306	0.094	28.76	306	0.094	28.76	0.00	0.00%		10.19%
TOU-On Peak	324	0.134	43.42	324	0.134	43.42	0.00	0.00%		15.38%
<b>Sub-Total: Energy (TOU)</b>			<b>148.23</b>			<b>148.23</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.77%</b>	<b>52.51%</b>
Service Charge	1	43.36	43.36	1	46.21	46.21	2.85	6.57%	16.14%	16.37%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	1,800	0	0.00	1,800	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	1,800	0.0181	32.58	1,800	0.0146	26.28	-6.30	-19.34%	9.18%	9.31%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,800	0	0.00	1,800	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			0.00			0.00				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>75.94</b>			<b>72.49</b>	<b>-3.45</b>	<b>-4.54%</b>	<b>25.32%</b>	<b>25.68%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	137	0.0890	12.18	137	0.0890	12.18	0.00	0.00%	4.25%	4.31%
Line Losses on Cost of Power (based on TOU prices)	137	0.0824	11.27	137	0.0824	11.27	0.00	0.00%	3.93%	3.99%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>88.69</b>			<b>85.24</b>	<b>-3.45</b>	<b>-3.89%</b>	<b>29.77%</b>	<b>30.20%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>87.78</b>			<b>84.33</b>	<b>-3.45</b>	<b>-3.93%</b>	<b>29.45%</b>	<b>29.87%</b>
Retail Transmission Rate – Network Service Rate	1,937	0.0078	15.11	1,937	0.0077	14.91	-0.19	-1.28%	5.21%	5.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,937	0.007	13.56	1,937	0.0070	13.56	0.00	0.00%	4.73%	4.80%
<b>Sub-Total: Retail Transmission</b>			<b>28.66</b>			<b>28.47</b>	<b>-0.19</b>	<b>-0.68%</b>	<b>9.94%</b>	<b>10.09%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>117.35</b>			<b>113.71</b>	<b>-3.64</b>	<b>-3.10%</b>	<b>39.71%</b>	<b>40.28%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>116.44</b>			<b>112.80</b>	<b>-3.64</b>	<b>-3.13%</b>	<b>39.39%</b>	<b>39.96%</b>
Wholesale Market Service Rate	1,937	0.0034	6.59	1,937	0.0034	6.59	0.00	0.00%	2.30%	2.33%
Rural Rate Protection Charge	1,937	0.0005	0.97	1,937	0.0005	0.97	0.00	0.00%	0.34%	0.34%
Ontario Electricity Support Program Charge	1,937	0.0000	0.00	1,937	0.0000	0.00	0.00	N/A	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
<b>Sub-Total: Regulatory</b>			<b>7.80</b>			<b>7.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.73%</b>	<b>2.76%</b>
<b>Debt Retirement Charge (DRC)</b>	1,800	0.000	<b>0.00</b>	1,800	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>276.35</b>			<b>272.71</b>	<b>-3.64</b>	<b>-1.32%</b>	<b>95.24%</b>	
HST		0.13	35.93		0.13	35.45	-0.47	-1.32%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>312.28</b>			<b>308.16</b>	<b>-4.12</b>	<b>-1.32%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-22.11		-0.08	-21.82	0.29	1.32%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>290.17</b>			<b>286.35</b>	<b>-3.83</b>	<b>-1.32%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>272.47</b>			<b>268.83</b>	<b>-3.64</b>	<b>-1.34%</b>		<b>95.24%</b>
HST		0.13	35.42		0.13	34.95	-0.47	-1.34%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>307.90</b>			<b>303.78</b>	<b>-4.12</b>	<b>-1.34%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-21.80		-0.08	-21.51	0.29	1.34%		-7.62%
<b>Total Amount on TOU</b>			<b>286.10</b>			<b>282.27</b>	<b>-3.83</b>	<b>-1.34%</b>		<b>100.00%</b>



**2021 Bill Impacts (Low Consumption Level) - R2 (with DRP)**

Rate Class	R2 - with DRP
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	750
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	0.077	34.65	450	0.077	34.65	0.00	0.00%	38.95%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>34.65</b>			<b>34.65</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.95%</b>	
TOU-Off Peak	293	0.065	19.01	293	0.065	19.01	0.00	0.00%		20.72%
TOU-Mid Peak	77	0.094	7.19	77	0.094	7.19	0.00	0.00%		7.84%
TOU-On Peak	81	0.134	10.85	81	0.134	10.85	0.00	0.00%		11.83%
<b>Sub-Total: Energy (TOU)</b>			<b>37.06</b>			<b>37.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.66%</b>	<b>40.39%</b>
Service Charge	1	41.19	41.19	1	45.20	45.20	4.01	9.74%	50.81%	49.26%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	450	0	0.00	450	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	450	0.0291	13.10	450	0.0243	10.94	-2.16	-16.49%	12.29%	11.92%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	450	0	0.00	450	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			-17.43			-19.28				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.44%</b>	<b>40.17%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.64%	0.62%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.0770	3.64	47	0.0770	3.64	0.00	0.00%	4.09%	3.97%
Line Losses on Cost of Power (based on TOU prices)	47	0.0824	3.89	47	0.0824	3.89	0.00	0.00%	4.37%	4.24%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>41.07</b>			<b>41.07</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.17%</b>	<b>44.76%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>41.32</b>			<b>41.32</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.45%</b>	<b>45.04%</b>
Retail Transmission Rate – Network Service Rate	497	0.0073	3.63	497	0.0072	3.58	-0.05	-1.37%	4.02%	3.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0066	3.28	497	0.0065	3.23	-0.05	-1.52%	3.63%	3.52%
<b>Sub-Total: Retail Transmission</b>			<b>6.91</b>			<b>6.81</b>	<b>-0.10</b>	<b>-1.44%</b>	<b>7.66%</b>	<b>7.42%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>47.98</b>			<b>47.88</b>	<b>-0.10</b>	<b>-0.21%</b>	<b>53.83%</b>	<b>52.19%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>48.23</b>			<b>48.13</b>	<b>-0.10</b>	<b>-0.21%</b>	<b>54.11%</b>	<b>52.46%</b>
Wholesale Market Service Rate	497	0.0034	1.69	497	0.0034	1.69	0.00	0.00%	1.90%	1.84%
Rural Rate Protection Charge	497	0.0005	0.25	497	0.0005	0.25	0.00	0.00%	0.28%	0.27%
Ontario Electricity Support Program Charge	497	0.0000	0.00	497	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>2.19</b>			<b>2.19</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.46%</b>	<b>2.39%</b>
<b>Debt Retirement Charge (DRC)</b>	450	0.000	<b>0.00</b>	450	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>84.82</b>			<b>84.72</b>	<b>-0.10</b>	<b>-0.12%</b>	<b>95.24%</b>	
HST		0.13	11.03		0.13	11.01	-0.01	-0.12%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>95.85</b>			<b>95.73</b>	<b>-0.11</b>	<b>-0.12%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-6.79		-0.08	-6.78	0.01	0.12%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>89.06</b>			<b>88.96</b>	<b>-0.10</b>	<b>-0.12%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>87.48</b>			<b>87.38</b>	<b>-0.10</b>	<b>-0.11%</b>		<b>95.24%</b>
HST		0.13	11.37		0.13	11.36	-0.01	-0.11%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>98.85</b>			<b>98.74</b>	<b>-0.11</b>	<b>-0.11%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-7.00		-0.08	-6.99	0.01	0.11%	-7.62%	
<b>Total Amount on TOU</b>			<b>91.85</b>			<b>91.75</b>	<b>-0.10</b>	<b>-0.11%</b>		<b>100.00%</b>



**2021 Bill Impacts (Low Consumption Level) - R2 (without DRP)**

Rate Class	R2 - without DRP
Monthly Consumption (kWh)	450
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	750
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	0.077	34.65	450	0.077	34.65	0.00	0.00%	31.73%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>34.65</b>			<b>34.65</b>	<b>0.00</b>	<b>0.00%</b>	<b>31.73%</b>	
TOU-Off Peak	293	0.065	19.01	293	0.065	19.01	0.00	0.00%		16.98%
TOU-Mid Peak	77	0.094	7.19	77	0.094	7.19	0.00	0.00%		6.42%
TOU-On Peak	81	0.134	10.85	81	0.134	10.85	0.00	0.00%		9.69%
<b>Sub-Total: Energy (TOU)</b>			<b>37.06</b>			<b>37.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>33.94%</b>	<b>33.09%</b>
Service Charge	1	41.19	41.19	1	45.20	45.20	4.01	9.74%	41.39%	40.36%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	450	0	0.00	450	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	450	0.0291	13.10	450	0.0243	10.94	-2.16	-16.49%	10.01%	9.76%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	450	0	0.00	450	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			0.00			0.00				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>54.29</b>			<b>56.14</b>	<b>1.85</b>	<b>3.41%</b>	<b>51.41%</b>	<b>50.13%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.52%	0.51%
Line Losses on Cost of Power (based on two-tier RPP prices)	47	0.0770	3.64	47	0.0770	3.64	0.00	0.00%	3.33%	3.25%
Line Losses on Cost of Power (based on TOU prices)	47	0.0824	3.89	47	0.0824	3.89	0.00	0.00%	3.56%	3.47%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>58.49</b>			<b>60.34</b>	<b>1.85</b>	<b>3.16%</b>	<b>55.26%</b>	<b>53.88%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>58.75</b>			<b>60.60</b>	<b>1.85</b>	<b>3.15%</b>	<b>55.49%</b>	<b>54.11%</b>
Retail Transmission Rate – Network Service Rate	497	0.0073	3.63	497	0.0072	3.58	-0.05	-1.37%	3.28%	3.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	497	0.0066	3.28	497	0.0065	3.23	-0.05	-1.52%	2.96%	2.89%
<b>Sub-Total: Retail Transmission</b>			<b>6.91</b>			<b>6.81</b>	<b>-0.10</b>	<b>-1.44%</b>	<b>6.24%</b>	<b>6.08%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>65.41</b>			<b>67.16</b>	<b>1.75</b>	<b>2.68%</b>	<b>61.50%</b>	<b>59.97%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>65.66</b>			<b>67.41</b>	<b>1.75</b>	<b>2.67%</b>	<b>61.73%</b>	<b>60.19%</b>
Wholesale Market Service Rate	497	0.0034	1.69	497	0.0034	1.69	0.00	0.00%	1.55%	1.51%
Rural Rate Protection Charge	497	0.0005	0.25	497	0.0005	0.25	0.00	0.00%	0.23%	0.22%
Ontario Electricity Support Program Charge	497	0.0000	0.00	497	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>2.19</b>			<b>2.19</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.00%</b>	<b>1.95%</b>
<b>Debt Retirement Charge (DRC)</b>	450	0.000	<b>0.00</b>	450	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>102.24</b>			<b>103.99</b>	<b>1.75</b>	<b>1.71%</b>	<b>95.24%</b>	
HST		0.13	13.29		0.13	13.52	0.23	1.71%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>115.54</b>			<b>117.51</b>	<b>1.98</b>	<b>1.71%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.18		-0.08	-8.32	-0.14	-1.71%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>107.36</b>			<b>109.19</b>	<b>1.84</b>	<b>1.71%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>104.90</b>			<b>106.66</b>	<b>1.75</b>	<b>1.67%</b>		<b>95.24%</b>
HST		0.13	13.64		0.13	13.87	0.23	1.67%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>118.54</b>			<b>120.52</b>	<b>1.98</b>	<b>1.67%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.39		-0.08	-8.53	-0.14	-1.67%		-7.62%
<b>Total Amount on TOU</b>			<b>110.15</b>			<b>111.99</b>	<b>1.84</b>	<b>1.67%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - R2 (with DRP)**

Rate Class	R2 - with DRP
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	47.38%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>57.75</b>			<b>57.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>47.38%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		25.04%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		9.47%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		14.30%
<b>Sub-Total: Energy (TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>50.67%</b>	<b>48.81%</b>
Service Charge	1	41.19	41.19	1	45.20	45.20	4.01	9.74%	37.08%	35.72%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	750	0	0.00	750	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	750	0.0291	21.83	750	0.0243	18.23	-3.60	-16.49%	14.95%	14.40%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			-26.16			-26.57				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.24%</b>	<b>29.13%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.47%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.0770	6.06	79	0.0770	6.06	0.00	0.00%	4.98%	4.79%
Line Losses on Cost of Power (based on TOU prices)	79	0.0824	6.49	79	0.0824	6.49	0.00	0.00%	5.32%	5.12%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>43.49</b>			<b>43.49</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.68%</b>	<b>34.37%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>43.92</b>			<b>43.92</b>	<b>0.00</b>	<b>0.00%</b>	<b>36.03%</b>	<b>34.70%</b>
Retail Transmission Rate – Network Service Rate	829	0.0073	6.05	829	0.0072	5.97	-0.08	-1.37%	4.90%	4.72%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0066	5.47	829	0.0065	5.39	-0.08	-1.52%	4.42%	4.26%
<b>Sub-Total: Retail Transmission</b>			<b>11.52</b>			<b>11.35</b>	<b>-0.17</b>	<b>-1.44%</b>	<b>9.32%</b>	<b>8.97%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>55.01</b>			<b>54.85</b>	<b>-0.17</b>	<b>-0.30%</b>	<b>45.00%</b>	<b>43.34%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>55.43</b>			<b>55.27</b>	<b>-0.17</b>	<b>-0.30%</b>	<b>45.35%</b>	<b>43.68%</b>
Wholesale Market Service Rate	829	0.0034	2.82	829	0.0034	2.82	0.00	0.00%	2.31%	2.23%
Rural Rate Protection Charge	829	0.0005	0.41	829	0.0005	0.41	0.00	0.00%	0.34%	0.33%
Ontario Electricity Support Program Charge	829	0.0000	0.00	829	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>3.48</b>			<b>3.48</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.86%</b>	<b>2.75%</b>
<b>Debt Retirement Charge (DRC)</b>	750	0.000	<b>0.00</b>	750	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>116.25</b>			<b>116.08</b>	<b>-0.17</b>	<b>-0.14%</b>	<b>95.24%</b>	
HST		0.13	15.11		0.13	15.09	-0.02	-0.14%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>131.36</b>			<b>131.17</b>	<b>-0.19</b>	<b>-0.14%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.30		-0.08	-9.29	0.01	0.14%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>122.06</b>			<b>121.88</b>	<b>-0.17</b>	<b>-0.14%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>120.68</b>			<b>120.51</b>	<b>-0.17</b>	<b>-0.14%</b>		<b>95.24%</b>
HST		0.13	15.69		0.13	15.67	-0.02	-0.14%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>136.37</b>			<b>136.18</b>	<b>-0.19</b>	<b>-0.14%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-9.65		-0.08	-9.64	0.01	0.14%		-7.62%
<b>Total Amount on TOU</b>			<b>126.71</b>			<b>126.54</b>	<b>-0.17</b>	<b>-0.14%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - R2 (without DRP)**

Rate Class	R2 - without DRP
Monthly Consumption (kWh)	750
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	38.56%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>57.75</b>			<b>57.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>38.56%</b>	
TOU-Off Peak	488	0.065	31.69	488	0.065	31.69	0.00	0.00%		20.52%
TOU-Mid Peak	128	0.094	11.99	128	0.094	11.99	0.00	0.00%		7.76%
TOU-On Peak	135	0.134	18.09	135	0.134	18.09	0.00	0.00%		11.71%
<b>Sub-Total: Energy (TOU)</b>			<b>61.76</b>			<b>61.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>41.24%</b>	<b>39.99%</b>
Service Charge	1	41.19	41.19	1	45.20	45.20	4.01	9.74%	30.18%	29.27%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	750	0	0.00	750	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	750	0.0291	21.83	750	0.0243	18.23	-3.60	-16.49%	12.17%	11.80%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	750	0	0.00	750	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			0.00			0.00				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>63.02</b>			<b>63.43</b>	<b>0.41</b>	<b>0.65%</b>	<b>42.35%</b>	<b>41.07%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.38%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	79	0.0770	6.06	79	0.0770	6.06	0.00	0.00%	4.05%	3.93%
Line Losses on Cost of Power (based on TOU prices)	79	0.0824	6.49	79	0.0824	6.49	0.00	0.00%	4.33%	4.20%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>69.65</b>			<b>70.06</b>	<b>0.41</b>	<b>0.59%</b>	<b>46.78%</b>	<b>45.37%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>70.07</b>			<b>70.48</b>	<b>0.41</b>	<b>0.59%</b>	<b>47.06%</b>	<b>45.64%</b>
Retail Transmission Rate – Network Service Rate	829	0.0073	6.05	829	0.0072	5.97	-0.08	-1.37%	3.98%	3.86%
Retail Transmission Rate – Line and Transformation Connection Service Rate	829	0.0066	5.47	829	0.0065	5.39	-0.08	-1.52%	3.60%	3.49%
<b>Sub-Total: Retail Transmission</b>			<b>11.52</b>			<b>11.35</b>	<b>-0.17</b>	<b>-1.44%</b>	<b>7.58%</b>	<b>7.35%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>81.17</b>			<b>81.41</b>	<b>0.24</b>	<b>0.30%</b>	<b>54.36%</b>	<b>52.72%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>81.59</b>			<b>81.83</b>	<b>0.24</b>	<b>0.30%</b>	<b>54.64%</b>	<b>52.99%</b>
Wholesale Market Service Rate	829	0.0034	2.82	829	0.0034	2.82	0.00	0.00%	1.88%	1.82%
Rural Rate Protection Charge	829	0.0005	0.41	829	0.0005	0.41	0.00	0.00%	0.28%	0.27%
Ontario Electricity Support Program Charge	829	0.0000	0.00	829	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>3.48</b>			<b>3.48</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.32%</b>	<b>2.25%</b>
<b>Debt Retirement Charge (DRC)</b>	750	0.000	<b>0.00</b>	750	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>142.40</b>			<b>142.64</b>	<b>0.24</b>	<b>0.17%</b>	<b>95.24%</b>	
HST		0.13	18.51		0.13	18.54	0.03	0.17%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>160.91</b>			<b>161.19</b>	<b>0.28</b>	<b>0.17%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.39		-0.08	-11.41	-0.02	-0.17%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>149.52</b>			<b>149.78</b>	<b>0.26</b>	<b>0.17%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>146.83</b>			<b>147.08</b>	<b>0.24</b>	<b>0.17%</b>		<b>95.24%</b>
HST		0.13	19.09		0.13	19.12	0.03	0.17%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>165.92</b>			<b>166.20</b>	<b>0.28</b>	<b>0.17%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-11.75		-0.08	-11.77	-0.02	-0.17%		-7.62%
<b>Total Amount on TOU</b>			<b>154.18</b>			<b>154.43</b>	<b>0.26</b>	<b>0.17%</b>		<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - R2 (with DRP)**

Rate Class	R2 - with DRP
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	18.36%	
Energy Second Tier (kWh)	1,550	0.089	137.95	1,550	0.089	137.95	0.00	0.00%	43.85%	
<b>Sub-Total: Energy (RPP)</b>			<b>195.70</b>			<b>195.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>62.21%</b>	
TOU-Off Peak	1,495	0.065	97.18	1,495	0.065	97.18	0.00	0.00%		31.73%
TOU-Mid Peak	391	0.094	36.75	391	0.094	36.75	0.00	0.00%		12.00%
TOU-On Peak	414	0.134	55.48	414	0.134	55.48	0.00	0.00%		18.11%
<b>Sub-Total: Energy (TOU)</b>			<b>189.41</b>			<b>189.41</b>	<b>0.00</b>	<b>0.00%</b>	<b>60.21%</b>	<b>61.84%</b>
Service Charge	1	41.19	41.19	1	45.20	45.20	4.01	9.74%	14.37%	14.76%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	2,300	0	0.00	2,300	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.0291	66.93	2,300	0.0243	55.89	-11.04	-16.49%	17.77%	18.25%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,300	0	0.00	2,300	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			-71.26			-64.23				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>36.86</b>			<b>36.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>11.72%</b>	<b>12.03%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.0890	21.49	242	0.0890	21.49	0.00	0.00%	6.83%	7.02%
Line Losses on Cost of Power (based on TOU prices)	242	0.0824	19.89	242	0.0824	19.89	0.00	0.00%	6.32%	6.49%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>58.92</b>			<b>58.92</b>	<b>0.00</b>	<b>0.00%</b>	<b>18.73%</b>	<b>19.24%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>57.32</b>			<b>57.32</b>	<b>0.00</b>	<b>0.00%</b>	<b>18.22%</b>	<b>18.71%</b>
Retail Transmission Rate – Network Service Rate	2,542	0.0073	18.55	2,542	0.0072	18.30	-0.25	-1.37%	5.82%	5.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0066	16.77	2,542	0.0065	16.52	-0.25	-1.52%	5.25%	5.39%
<b>Sub-Total: Retail Transmission</b>			<b>35.33</b>			<b>34.82</b>	<b>-0.51</b>	<b>-1.44%</b>	<b>11.07%</b>	<b>11.37%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>94.25</b>			<b>93.74</b>	<b>-0.51</b>	<b>-0.54%</b>	<b>29.80%</b>	<b>30.61%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>92.64</b>			<b>92.14</b>	<b>-0.51</b>	<b>-0.55%</b>	<b>29.29%</b>	<b>30.08%</b>
Wholesale Market Service Rate	2,542	0.0034	8.64	2,542	0.0034	8.64	0.00	0.00%	2.75%	2.82%
Rural Rate Protection Charge	2,542	0.0005	1.27	2,542	0.0005	1.27	0.00	0.00%	0.40%	0.41%
Ontario Electricity Support Program Charge	2,542	0.0000	0.00	2,542	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>10.16</b>			<b>10.16</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.23%</b>	<b>3.32%</b>
<b>Debt Retirement Charge (DRC)</b>	2,300	0.000	<b>0.00</b>	2,300	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>300.11</b>			<b>299.60</b>	<b>-0.51</b>	<b>-0.17%</b>	<b>95.24%</b>	
HST		0.13	39.01		0.13	38.95	-0.07	-0.17%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>339.13</b>			<b>338.55</b>	<b>-0.57</b>	<b>-0.17%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-24.01		-0.08	-23.97	0.04	0.17%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>315.12</b>			<b>314.58</b>	<b>-0.53</b>	<b>-0.17%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>292.21</b>			<b>291.70</b>	<b>-0.51</b>	<b>-0.17%</b>		<b>95.24%</b>
HST		0.13	37.99		0.13	37.92	-0.07	-0.17%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>330.20</b>			<b>329.62</b>	<b>-0.57</b>	<b>-0.17%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-23.38		-0.08	-23.34	0.04	0.17%		-7.62%
<b>Total Amount on TOU</b>			<b>306.82</b>			<b>306.29</b>	<b>-0.53</b>	<b>-0.17%</b>		<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - R2 (without DRP)**

Rate Class	R2 - without DRP
Monthly Consumption (kWh)	2300
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	750
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)	750	0.077	57.75	750	0.077	57.75	0.00	0.00%	15.12%	
Energy Second Tier (kWh)	1,550	0.089	137.95	1,550	0.089	137.95	0.00	0.00%	36.11%	
<b>Sub-Total: Energy (RPP)</b>			<b>195.70</b>			<b>195.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.23%</b>	
TOU-Off Peak	1,495	0.065	97.18	1,495	0.065	97.18	0.00	0.00%		26.00%
TOU-Mid Peak	391	0.094	36.75	391	0.094	36.75	0.00	0.00%		9.83%
TOU-On Peak	414	0.134	55.48	414	0.134	55.48	0.00	0.00%		14.84%
<b>Sub-Total: Energy (TOU)</b>			<b>189.41</b>			<b>189.41</b>	<b>0.00</b>	<b>0.00%</b>	<b>49.58%</b>	<b>50.68%</b>
Service Charge	1	41.19	41.19	1	45.20	45.20	4.01	9.74%	11.83%	12.09%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	2,300	0	0.00	2,300	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	2,300	0.0291	66.93	2,300	0.0243	55.89	-11.04	-16.49%	14.63%	14.95%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,300	0	0.00	2,300	0.0000	0.00	0.00	N/A	0.00%	0.00%
FHP-Distribution Rate Protection			0.00			0.00				
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>108.12</b>			<b>101.09</b>	<b>-7.03</b>	<b>-6.50%</b>	<b>26.46%</b>	<b>27.05%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.15%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	242	0.0890	21.49	242	0.0890	21.49	0.00	0.00%	5.63%	5.75%
Line Losses on Cost of Power (based on TOU prices)	242	0.0824	19.89	242	0.0824	19.89	0.00	0.00%	5.21%	5.32%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>130.18</b>			<b>123.15</b>	<b>-7.03</b>	<b>-5.40%</b>	<b>32.24%</b>	<b>32.95%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>128.58</b>			<b>121.55</b>	<b>-7.03</b>	<b>-5.47%</b>	<b>31.82%</b>	<b>32.52%</b>
Retail Transmission Rate – Network Service Rate	2,542	0.0073	18.55	2,542	0.0072	18.30	-0.25	-1.37%	4.79%	4.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,542	0.0066	16.77	2,542	0.0065	16.52	-0.25	-1.52%	4.32%	4.42%
<b>Sub-Total: Retail Transmission</b>			<b>35.33</b>			<b>34.82</b>	<b>-0.51</b>	<b>-1.44%</b>	<b>9.11%</b>	<b>9.32%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>165.51</b>			<b>157.97</b>	<b>-7.54</b>	<b>-4.55%</b>	<b>41.35%</b>	<b>42.27%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>163.90</b>			<b>156.37</b>	<b>-7.54</b>	<b>-4.60%</b>	<b>40.93%</b>	<b>41.84%</b>
Wholesale Market Service Rate	2,542	0.0034	8.64	2,542	0.0034	8.64	0.00	0.00%	2.26%	2.31%
Rural Rate Protection Charge	2,542	0.0005	1.27	2,542	0.0005	1.27	0.00	0.00%	0.33%	0.34%
Ontario Electricity Support Program Charge	2,542	0.0000	0.00	2,542	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>10.16</b>			<b>10.16</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.66%</b>	<b>2.72%</b>
<b>Debt Retirement Charge (DRC)</b>	2,300	0.000	<b>0.00</b>	2,300	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>371.37</b>			<b>363.83</b>	<b>-7.54</b>	<b>-2.03%</b>	<b>95.24%</b>	
HST		0.13	48.28		0.13	47.30	-0.98	-2.03%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>419.65</b>			<b>411.13</b>	<b>-8.52</b>	<b>-2.03%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.71		-0.08	-29.11	0.60	2.03%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>389.94</b>			<b>382.03</b>	<b>-7.92</b>	<b>-2.03%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>363.47</b>			<b>355.93</b>	<b>-7.54</b>	<b>-2.07%</b>		<b>95.24%</b>
HST		0.13	47.25		0.13	46.27	-0.98	-2.07%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>410.72</b>			<b>402.20</b>	<b>-8.52</b>	<b>-2.07%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.08		-0.08	-28.47	0.60	2.07%		-7.62%
<b>Total Amount on TOU</b>			<b>381.64</b>			<b>373.73</b>	<b>-7.92</b>	<b>-2.07%</b>		<b>100.00%</b>

2021 Bill Impacts (Low Consumption Level) - Seasonal										
Rate Class	SeasonalUR	UR								
Monthly Consumption (kWh)	50									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.057									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	55									
Monthly Consumption (kWh) - Uplifted - UR	53									
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	0.077	3.85	50	0.077	3.85	0.00	0.00%	8.97%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.85			3.85	0.00	0.00%	8.97%	
TOU-Off Peak	33	0.065	2.11	33	0.065	2.11	0.00	0.00%		4.89%
TOU-Mid Peak	9	0.094	0.80	9	0.094	0.80	0.00	0.00%		1.85%
TOU-On Peak	9	0.134	1.21	9	0.134	1.21	0.00	0.00%		2.79%
Sub-Total: Energy (TOU)			4.12			4.12	0.00	0.00%	9.59%	9.53%
Service Charge	1	44.39	44.39	1	34.94	34.94	-9.45	-21.29%	81.42%	80.86%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	50	0.0565	2.83	50	0	0.00	-2.83	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider	50	0	0.00	50	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			47.22			34.94	-12.28	-26.00%	81.42%	80.86%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	1.33%	1.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.0770	0.40	3	0.0770	0.22	-0.18	-45.19%	0.51%	0.51%
Line Losses on Cost of Power (based on TOU prices)	5	0.0824	0.43	3	0.0824	0.23	-0.19	-45.19%	0.55%	0.54%
Sub-Total: Distribution (based on two-tier RPP prices)			48.19			35.729	-12.46	-25.85%	83.26%	82.69%
Sub-Total: Distribution (based on TOU prices)			48.21			35.745	-12.47	-25.86%	83.29%	82.72%
Retail Transmission Rate – Network Service Rate	55	0.0061	0.34	53	0.0084	0.4439	0.11	31.84%	1.03%	1.03%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0059	0.33	53	0.0074	0.3911	0.07	20.08%	0.91%	0.91%
Sub-Total: Retail Transmission			0.66			0.835	0.17	26.06%	1.95%	1.93%
Sub-Total: Delivery (based on two-tier RPP prices)			48.85			36.56	-12.28	-25.15%	85.20%	84.62%
Sub-Total: Delivery (based on TOU prices)			48.88			36.58	-12.30	-25.16%	85.24%	84.65%
Wholesale Market Service Rate	55	0.0034	0.19	53	0.0034	0.18	-0.01	-4.26%	0.42%	0.42%
Rural Rate Protection Charge	55	0.0005	0.03	53	0.0005	0.03	0.00	-4.26%	0.06%	0.06%
Ontario Electricity Support Program	55	0.0000	0.00	53	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.58%	0.58%
Sub-Total: Regulatory			0.47			0.46	-0.01	-1.97%	1.06%	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 Bill on Two-Ttier RPP (before Taxes)			53.16			40.87	-12.29	-23.12%	95.24%	
HST		0.13	6.91		0.13	5.31	-1.60	-23.12%	12.38%	
Total Bill (including HST)			60.07			46.18	-13.89	-23.12%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.25		-0.08	-3.27	0.98	-23.12%	-7.62%	
Total Bill on Two-Tier RPP			55.82			42.91	-12.91	-23.12%	100.00%	
Total Bill on TOU (before Taxes)			53.46			41.15	-12.31	-23.02%		95.24%
HST		0.13	6.95		0.13	5.35	-1.60	-23.02%		12.38%
Total Bill (including HST)			60.41			46.50	-13.90	-23.02%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.28		-0.08	-3.29	0.98	-23.02%		-7.62%
Total Bill on TOU			56.13			43.21	-12.92	-23.02%		100.00%



2021 Bill Impacts (Typical Consumption Level) -Seasonal										
Rate Class	SeasonalUR	UR								
Monthly Consumption (kWh)	350									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.057									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	386									
Monthly Consumption (kWh) - Uplifted - UR	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	0.077	26.95	350	0.077	26.95	0.00	0.00%	35.88%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			26.95			26.95	0.00	0.00%	35.88%	
TOU-Off Peak	228	0.065	14.79	228	0.065	14.79	0.00	0.00%		19.16%
TOU-Mid Peak	60	0.094	5.59	60	0.094	5.59	0.00	0.00%		7.25%
TOU-On Peak	63	0.134	8.44	63	0.134	8.44	0.00	0.00%		10.94%
Sub-Total: Energy (TOU)			28.82			28.82	0.00	0.00%	38.37%	37.34%
Service Charge	1	44.39	44.39	1	34.94	34.94	-9.45	-21.29%	46.52%	45.27%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	0.0565	19.78	350	0	0.00	-19.78	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider	350	0	0.00	350	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			64.17			34.94	-29.23	-45.55%	46.52%	45.27%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.76%	0.74%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.0770	2.80	20	0.0770	1.54	-1.27	-45.19%	2.05%	1.99%
Line Losses on Cost of Power (based on TOU prices)	36	0.0824	3.00	20	0.0824	1.64	-1.35	-45.19%	2.19%	2.13%
Sub-Total: Distribution (based on two-tier RPP prices)			67.54			37.05	-30.49	-45.15%	49.32%	47.99%
Sub-Total: Distribution (based on TOU prices)			67.73			37.15	-30.58	-45.15%	49.46%	48.13%
Retail Transmission Rate – Network Service Rate	386	0.0061	2.36	370	0.0084	3.11	0.75	31.84%	4.14%	4.03%
Retail Transmission Rate – Line and Transformation Connection S	386	0.0059	2.28	370	0.0074	2.74	0.46	20.08%	3.64%	3.55%
Sub-Total: Retail Transmission			4.64			5.85	1.21	26.06%	7.78%	7.57%
Sub-Total: Delivery (based on two-tier RPP prices)			72.17			42.89	-29.28	-40.57%	57.10%	55.57%
Sub-Total: Delivery (based on TOU prices)			72.37			43.00	-29.37	-40.59%	57.25%	55.70%
Wholesale Market Service Rate	386	0.0034	1.31	370	0.0034	1.26	-0.06	-4.26%	1.67%	1.63%
Rural Rate Protection Charge	386	0.0005	0.19	370	0.0005	0.18	-0.01	-4.26%	0.25%	0.24%
Ontario Electricity Support Program	386	0.0000	0.00	370	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.33%	0.32%
Sub-Total: Regulatory			1.76			1.69	-0.06	-3.65%	2.25%	2.19%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on Two-Ttier RPP (before Taxes)			100.88			71.53	-29.35	-29.09%	95.24%	
HST		0.13	13.11		0.13	9.30	-3.82	-29.09%	12.38%	
Total Bill (including HST)			114.00			80.83	-33.16	-29.09%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.07		-0.08	-5.72	2.35	-29.09%	-7.62%	
Total Bill on Two-Tier RPP			105.93			75.11	-30.81	-29.09%	100.00%	
Total Bill on TOU (before Taxes)			102.95			73.51	-29.44	-28.59%		95.24%
HST		0.13	13.38		0.13	9.56	-3.83	-28.59%		12.38%
Total Bill (including HST)			116.33			83.07	-33.26	-28.59%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.24		-0.08	-5.88	2.35	-28.59%		-7.62%
Total Bill on TOU			108.10			77.19	-30.91	-28.59%		100.00%

2021 Bill Impacts (High Consumption Level) - Seasonal										
Rate Class	Seasonal	UR								
Monthly Consumption (kWh)	1000									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.057									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	1104									
Monthly Consumption (kWh) - Uplifted - UR	1057									
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	0.077	46.20	600	0.077	46.20	0.00	0.00%	30.67%	
Energy Second Tier (kWh)	400	0.089	35.60	400	0.089	35.60	0.00	0.00%	23.63%	
Sub-Total: Energy (RPP)			81.80			81.80	0.00	0.00%	54.31%	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		28.02%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		10.60%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		15.99%
Sub-Total: Energy (TOU)			82.35			82.35	0.00	0.00%	54.67%	54.61%
Service Charge	1	44.39	44.39	1	34.94	34.94	-9.45	-21.29%	23.20%	23.17%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	1,000	0.0565	56.50	1,000	0	0.00	-56.50	-100.00%	0.00%	0.00%
Volumetric Deferral/Variance Account Rider	1,000	0	0.00	1,000	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			100.89			34.94	-65.95	-65.37%	23.20%	23.17%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.38%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.0890	9.26	57	0.0890	5.07	-4.18	-45.19%	3.37%	3.36%
Line Losses on Cost of Power (based on TOU prices)	104	0.0824	8.56	57	0.0824	4.69	-3.87	-45.19%	3.12%	3.11%
Sub-Total: Distribution (based on two-tier RPP prices)			110.72			40.58	-70.13	-63.34%	26.94%	26.91%
Sub-Total: Distribution (based on TOU prices)			110.02			40.20	-69.82	-63.46%	26.69%	26.66%
Retail Transmission Rate – Network Service Rate	1,104	0.0061	6.73	1,057	0.0084	8.88	2.14	31.84%	5.89%	5.89%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0059	6.51	1,057	0.0074	7.82	1.31	20.08%	5.19%	5.19%
Sub-Total: Retail Transmission			13.25			16.70	3.45	26.06%	11.09%	11.07%
Sub-Total: Delivery (based on two-tier RPP prices)			123.96			57.28	-66.68	-53.79%	38.03%	37.98%
Sub-Total: Delivery (based on TOU prices)			123.27			56.90	-66.37	-53.84%	37.78%	37.73%
Wholesale Market Service Rate	1,104	0.0034	3.75	1,057	0.0034	3.59	-0.16	-4.26%	2.39%	2.38%
Rural Rate Protection Charge	1,104	0.0005	0.55	1,057	0.0005	0.53	-0.02	-4.26%	0.35%	0.35%
Ontario Electricity Support Program	1,104	0.0000	0.00	1,057	0.0000	0.00	0.00	0.00%	0.00%	0.00%
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			4.56			4.37	-0.18	-4.02%	2.90%	2.90%
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 Bill on Two-Ttier RPP (before Taxes)			210.32			143.46	-66.86	-31.79%	95.24%	
HST		0.13	27.34		0.13	18.65	-8.69	-31.79%	12.38%	
Total Bill (including HST)			237.66			162.11	-75.56	-31.79%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.83		-0.08	-11.48	5.35	-31.79%	-7.62%	
Total Bill on Two-Tier RPP			220.84			150.63	-70.21	-31.79%	100.00%	
Total Bill on TOU (before Taxes)			210.18			143.63	-66.55	-31.66%		95.24%
HST		0.13	27.32		0.13	18.67	-8.65	-31.66%		12.38%
Total Bill (including HST)			237.50			162.30	-75.20	-31.66%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.81		-0.08	-11.49	5.32	-31.66%		-7.62%
Total Bill on TOU			220.69			150.81	-69.88	-31.66%		100.00%



2021 Bill Impacts (Low Consumption Level) - Seasonal										
Rate Class	SeasonalR1	R1								
Monthly Consumption (kWh)	50									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.076									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	55									
Monthly Consumption (kWh) - Uplifted - UR	54									
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	0.077	3.85	50	0.077	3.85	0.00	0.00%	6.93%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.85			3.85	0.00	0.00%	6.93%	
TOU-Off Peak	33	0.065	2.11	33	0.065	2.11	0.00	0.00%		3.78%
TOU-Mid Peak	9	0.094	0.80	9	0.094	0.80	0.00	0.00%		1.43%
TOU-On Peak	9	0.134	1.21	9	0.134	1.21	0.00	0.00%		2.16%
Sub-Total: Energy (TOU)			4.12			4.12	0.00	0.00%	7.41%	7.37%
Service Charge	1	44.39	44.39	1	46.21	46.21	1.82	4.10%	83.19%	82.74%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	50	0.0565	2.83	50	0.0146	0.73	-2.10	-74.16%	1.31%	1.31%
Volumetric Deferral/Variance Account Rider	50	0	0.00	50	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			47.22			46.94	-0.28	-0.58%	84.50%	84.05%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	1.03%	1.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.0770	0.40	4	0.0770	0.29	-0.11	-26.92%	0.53%	0.52%
Line Losses on Cost of Power (based on TOU prices)	5	0.0824	0.43	4	0.0824	0.31	-0.12	-26.92%	0.56%	0.56%
Sub-Total: Distribution (based on two-tier RPP prices)			48.19			47.80	-0.38	-0.79%	86.06%	85.59%
Sub-Total: Distribution (based on TOU prices)			48.21			47.82	-0.39	-0.81%	86.09%	85.63%
Retail Transmission Rate – Network Service Rate	55	0.0061	0.34	54	0.0077	0.41	0.08	23.03%	0.75%	0.74%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0059	0.33	54	0.0070	0.38	0.05	15.63%	0.68%	0.67%
Sub-Total: Retail Transmission			0.66			0.79	0.13	19.39%	1.42%	1.42%
Sub-Total: Delivery (based on two-tier RPP prices)			48.85			48.59	-0.25	-0.52%	87.48%	87.01%
Sub-Total: Delivery (based on TOU prices)			48.88			48.61	-0.26	-0.54%	87.52%	87.04%
Wholesale Market Service Rate	55	0.0034	0.19	54	0.0034	0.18	0.00	-2.54%	0.33%	0.33%
Rural Rate Protection Charge	55	0.0005	0.03	54	0.0005	0.03	0.00	-2.54%	0.05%	0.05%
Ontario Electricity Support Program	55	0.0000	0.00	54	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%	0.45%
Sub-Total: Regulatory			0.47			0.46	-0.01	-1.17%	0.83%	0.82%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on Two-Ttier RPP (before Taxes)			53.16			52.90	-0.26	-0.49%	95.24%	
HST		0.13	6.91		0.13	6.88	-0.03	-0.49%	12.38%	
Total Bill (including HST)			60.07			59.78	-0.29	-0.49%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.25		-0.08	-4.23	0.02	-0.49%	-7.62%	
Total Bill on Two-Tier RPP			55.82			55.55	-0.27	-0.49%	100.00%	
Total Bill on TOU (before Taxes)			53.46			53.19	-0.27	-0.50%		95.24%
HST		0.13	6.95		0.13	6.91	-0.03	-0.50%		12.38%
Total Bill (including HST)			60.41			60.11	-0.30	-0.50%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.28		-0.08	-4.26	0.02	-0.50%		-7.62%
Total Bill on TOU			56.13			55.85	-0.28	-0.50%		100.00%

2021 Bill Impacts (Typical Consumption Level) - Seasonal										
Rate Class	Seasonal	R1								
Monthly Consumption (kWh)	350									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.076									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	386									
Monthly Consumption (kWh) - Uplifted - UR	377									
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	0.077	26.95	350	0.077	26.95	0.00	0.00%	29.12%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			26.95			26.95	0.00	0.00%	29.12%	
TOU-Off Peak	228	0.065	14.79	228	0.065	14.79	0.00	0.00%		15.62%
TOU-Mid Peak	60	0.094	5.59	60	0.094	5.59	0.00	0.00%		5.91%
TOU-On Peak	63	0.134	8.44	63	0.134	8.44	0.00	0.00%		8.92%
Sub-Total: Energy (TOU)			28.82			28.82	0.00	0.00%	31.14%	30.45%
Service Charge	1	44.39	44.39	1	46.21	46.21	1.82	4.10%	49.93%	48.81%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	0.0565	19.78	350	0.0146	5.11	-14.67	-74.16%	5.52%	5.40%
Volumetric Deferral/Variance Account Rider	350	0	0.00	350	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			64.17			51.32	-12.85	-20.02%	55.45%	54.21%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.62%	0.60%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.0770	2.80	27	0.0770	2.05	-0.75	-26.92%	2.21%	2.16%
Line Losses on Cost of Power (based on TOU prices)	36	0.0824	3.00	27	0.0824	2.19	-0.81	-26.92%	2.37%	2.31%
Sub-Total: Distribution (based on two-tier RPP prices)			67.54			53.94	-13.60	-20.14%	58.28%	56.98%
Sub-Total: Distribution (based on TOU prices)			67.73			54.08	-13.65	-20.16%	58.43%	57.13%
Retail Transmission Rate – Network Service Rate	386	0.0061	2.36	377	0.0077	2.90	0.54	23.03%	3.13%	3.06%
Retail Transmission Rate – Line and Transformation Connection S	386	0.0059	2.28	377	0.0070	2.64	0.36	15.63%	2.85%	2.78%
Sub-Total: Retail Transmission			4.64			5.54	0.90	19.39%	5.98%	5.85%
Sub-Total: Delivery (based on two-tier RPP prices)			72.17			59.47	-12.70	-17.60%	64.26%	62.83%
Sub-Total: Delivery (based on TOU prices)			72.37			59.62	-12.75	-17.62%	64.42%	62.98%
Wholesale Market Service Rate	386	0.0034	1.31	377	0.0034	1.28	-0.03	-2.54%	1.38%	1.35%
Rural Rate Protection Charge	386	0.0005	0.19	377	0.0005	0.19	0.00	-2.54%	0.20%	0.20%
Ontario Electricity Support Program	386	0.0000	0.00	377	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.27%	0.26%
Sub-Total: Regulatory			1.76			1.72	-0.04	-2.18%	1.86%	1.82%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on Two-Ttier RPP (before Taxes)			100.88			88.14	-12.74	-12.63%	95.24%	
HST		0.13	13.11		0.13	11.46	-1.66	-12.63%	12.38%	
Total Bill (including HST)			114.00			99.60	-14.39	-12.63%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.07		-0.08	-7.05	1.02	-12.63%	-7.62%	
Total Bill on Two-Tier RPP			105.93			92.55	-13.38	-12.63%	100.00%	
Total Bill on TOU (before Taxes)			102.95			90.16	-12.79	-12.42%		95.24%
HST		0.13	13.38		0.13	11.72	-1.66	-12.42%		12.38%
Total Bill (including HST)			116.33			101.88	-14.45	-12.42%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.24		-0.08	-7.21	1.02	-12.42%		-7.62%
Total Bill on TOU			108.10			94.67	-13.43	-12.42%		100.00%

2021 Bill Impacts (High Consumption Level) - Seasonal										
Rate Class	Seasonal	R1								
Monthly Consumption (kWh)	1000									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.076									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	1104									
Monthly Consumption (kWh) - Uplifted - UR	1076									
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	0.077	46.20	600	0.077	46.20	0.00	0.00%	25.85%	
Energy Second Tier (kWh)	400	0.089	35.60	400	0.089	35.60	0.00	0.00%	19.92%	
Sub-Total: Energy (RPP)			81.80			81.80	0.00	0.00%	45.77%	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		23.63%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		8.94%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		13.49%
Sub-Total: Energy (TOU)			82.35			82.35	0.00	0.00%	46.08%	46.07%
Service Charge	1	44.39	44.39	1	46.21	46.21	1.82	4.10%	25.86%	25.85%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	1,000	0.0565	56.50	1,000	0.0146	14.60	-41.90	-74.16%	8.17%	8.17%
Volumetric Deferral/Variance Account Rider	1,000	0	0.00	1,000	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			100.89			60.81	-40.08	-39.73%	34.03%	34.02%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.0890	9.26	76	0.0890	6.76	-2.49	-26.92%	3.78%	3.78%
Line Losses on Cost of Power (based on TOU prices)	104	0.0824	8.56	76	0.0824	6.26	-2.31	-26.92%	3.50%	3.50%
Sub-Total: Distribution (based on two-tier RPP prices)			110.72			68.14	-42.57	-38.45%	38.13%	38.12%
Sub-Total: Distribution (based on TOU prices)			110.02			67.64	-42.39	-38.52%	37.85%	37.84%
Retail Transmission Rate – Network Service Rate	1,104	0.0061	6.73	1,076	0.0077	8.29	1.55	23.03%	4.64%	4.63%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0059	6.51	1,076	0.0070	7.53	1.02	15.63%	4.21%	4.21%
Sub-Total: Retail Transmission			13.25			15.82	2.57	19.39%	8.85%	8.85%
Sub-Total: Delivery (based on two-tier RPP prices)			123.96			83.96	-40.00	-32.27%	46.98%	46.97%
Sub-Total: Delivery (based on TOU prices)			123.27			83.46	-39.82	-32.30%	46.70%	46.68%
Wholesale Market Service Rate	1,104	0.0034	3.75	1,076	0.0034	3.66	-0.10	-2.54%	2.05%	2.05%
Rural Rate Protection Charge	1,104	0.0005	0.55	1,076	0.0005	0.54	-0.01	-2.54%	0.30%	0.30%
Ontario Electricity Support Program	1,104	0.0000	0.00	1,076	0.0000	0.00	0.00	0.00%	0.00%	0.00%
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			4.56			4.45	-0.11	-2.40%	2.49%	2.49%
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 Bill on Two-Ttier RPP (before Taxes)			210.32			170.21	-40.11	-19.07%	95.24%	
HST		0.13	27.34		0.13	22.13	-5.21	-19.07%	12.38%	
Total Bill (including HST)			237.66			192.33	-45.33	-19.07%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.83		-0.08	-13.62	3.21	-19.07%	-7.62%	
Total Bill on Two-Tier RPP			220.84			178.72	-42.12	-19.07%	100.00%	
Total Bill on TOU (before Taxes)			210.18			170.25	-39.93	-19.00%		95.24%
HST		0.13	27.32		0.13	22.13	-5.19	-19.00%		12.38%
Total Bill (including HST)			237.50			192.38	-45.12	-19.00%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.81		-0.08	-13.62	3.19	-19.00%		-7.62%
Total Bill on TOU			220.69			178.76	-41.92	-19.00%		100.00%

2021 Bill Impacts (Low Consumption Level) - Seasonal										
Rate Class	SeasonalR2	R2								
Monthly Consumption (kWh)	50									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.105									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	55									
Monthly Consumption (kWh) - Uplifted - UR	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	0.077	3.85	50	0.077	3.85	0.00	0.00%	3.25%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.85			3.85	0.00	0.00%	3.25%	
TOU-Off Peak	33	0.065	2.11	33	0.065	2.11	0.00	0.00%		1.78%
TOU-Mid Peak	9	0.094	0.80	9	0.094	0.80	0.00	0.00%		0.67%
TOU-On Peak	9	0.134	1.21	9	0.134	1.21	0.00	0.00%		1.01%
Sub-Total: Energy (TOU)			4.12			4.12	0.00	0.00%	3.47%	3.46%
Service Charge	1	44.39	44.39	1	105.7	105.70	61.31	138.12%	89.12%	88.88%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	50	0.0565	2.83	50	0.0243	1.22	-1.61	-56.99%	1.02%	1.02%
Volumetric Deferral/Variance Account Rider	50	0	0.00	50	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			47.22			106.92	59.70	126.44%	90.14%	89.90%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.48%	0.48%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.0770	0.40	5	0.0770	0.40	0.00	0.96%	0.34%	0.34%
Line Losses on Cost of Power (based on TOU prices)	5	0.0824	0.43	5	0.0824	0.43	0.00	0.96%	0.36%	0.36%
Sub-Total: Distribution (based on two-tier RPP prices)			48.19			107.89	59.70	123.90%	90.96%	90.72%
Sub-Total: Distribution (based on TOU prices)			48.21			107.92	59.70	123.83%	90.99%	90.75%
Retail Transmission Rate – Network Service Rate	55	0.0061	0.34	55	0.0072	0.40	0.06	18.14%	0.34%	0.33%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0059	0.33	55	0.0065	0.36	0.03	10.27%	0.30%	0.30%
Sub-Total: Retail Transmission			0.66			0.76	0.09	14.27%	0.64%	0.64%
Sub-Total: Delivery (based on two-tier RPP prices)			48.85			108.65	59.80	122.42%	91.60%	91.36%
Sub-Total: Delivery (based on TOU prices)			48.88			108.67	59.80	122.35%	91.62%	91.38%
Wholesale Market Service Rate	55	0.0034	0.19	55	0.0034	0.19	0.00	0.09%	0.16%	0.16%
Rural Rate Protection Charge	55	0.0005	0.03	55	0.0005	0.03	0.00	0.09%	0.02%	0.02%
Ontario Electricity Support Program	55	0.0000	0.00	55	0.0000	0.00	0.00	0.00%	0.00%	0.00%
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			0.47			0.47	0.00	0.04%	0.39%	0.39%
Debt Retirement Charge (DRC)	50	0.000	0.00	50	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on Two-Ttier RPP (before Taxes)			53.16			112.96	59.80	112.48%	95.24%	
HST		0.13	6.91		0.13	14.69	7.77	112.48%	12.38%	
Total Bill (including HST)			60.07			127.65	67.57	112.48%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.25		-0.08	-9.04	-4.78	112.48%	-7.62%	
Total Bill on Two-Tier RPP			55.82			118.61	62.79	112.48%	100.00%	
Total Bill on TOU (before Taxes)			53.46			113.26	59.80	111.86%		95.24%
HST		0.13	6.95		0.13	14.72	7.77	111.86%		12.38%
Total Bill (including HST)			60.41			127.98	67.57	111.86%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-4.28		-0.08	-9.06	-4.78	111.86%		-7.62%
Total Bill on TOU			56.13			118.92	62.79	111.86%		100.00%



2021 Bill Impacts (Typical Consumption Level) - Seasonal										
Rate Class		SeasonalR2	R2							
Monthly Consumption (kWh)		350								
Peak (kW)		0								
Loss factor - Seasonal		1.104								
Loss factor - UR		1.105								
Commodity Threshold		600								
Monthly Consumption (kWh) - Uplifted - Seasonal		386								
Monthly Consumption (kWh) - Uplifted - UR		387								
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	0.077	26.95	350	0.077	26.95	0.00	0.00%	16.93%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			26.95			26.95	0.00	0.00%	16.93%	
TOU-Off Peak	228	0.065	14.79	228	0.065	14.79	0.00	0.00%		9.16%
TOU-Mid Peak	60	0.094	5.59	60	0.094	5.59	0.00	0.00%		3.47%
TOU-On Peak	63	0.134	8.44	63	0.134	8.44	0.00	0.00%		5.23%
Sub-Total: Energy (TOU)			28.82			28.82	0.00	0.00%	18.11%	17.86%
Service Charge	1	44.39	44.39	1	105.7	105.70	61.31	138.12%	66.40%	65.50%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	0.0565	19.78	350	0.0243	8.51	-11.27	-56.99%	5.34%	5.27%
Volumetric Deferral/Variance Account Rider	350	0	0.00	350	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			64.17			114.21	50.04	77.99%	71.74%	70.77%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.36%	0.35%
Line Losses on Cost of Power (based on two-tier RPP prices)	36	0.0770	2.80	37	0.0770	2.83	0.03	0.96%	1.78%	1.75%
Line Losses on Cost of Power (based on TOU prices)	36	0.0824	3.00	37	0.0824	3.03	0.03	0.96%	1.90%	1.88%
Sub-Total: Distribution (based on two-tier RPP prices)			67.54			117.60	50.07	74.13%	73.88%	72.88%
Sub-Total: Distribution (based on TOU prices)			67.73			117.80	50.07	73.92%	74.00%	73.00%
Retail Transmission Rate – Network Service Rate	386	0.0061	2.36	387	0.0072	2.78	0.43	18.14%	1.75%	1.73%
Retail Transmission Rate – Line and Transformation Connection S	386	0.0059	2.28	387	0.0065	2.51	0.23	10.27%	1.58%	1.56%
Sub-Total: Retail Transmission			4.64			5.30	0.66	14.27%	3.33%	3.28%
Sub-Total: Delivery (based on two-tier RPP prices)			72.17			122.90	50.73	70.29%	77.20%	76.16%
Sub-Total: Delivery (based on TOU prices)			72.37			123.10	50.73	70.10%	77.33%	76.29%
Wholesale Market Service Rate	386	0.0034	1.31	387	0.0034	1.31	0.00	0.09%	0.83%	0.81%
Rural Rate Protection Charge	386	0.0005	0.19	387	0.0005	0.19	0.00	0.09%	0.12%	0.12%
Ontario Electricity Support Program	386	0.0000	0.00	387	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.16%	0.15%
Sub-Total: Regulatory			1.76			1.76	0.00	0.08%	1.10%	1.09%
Debt Retirement Charge (DRC)	350	0.000	0.00	350	0.000	0.00	0.00	0.00%	0.00%	0.00%
Total Bill on Two-Ttier RPP (before Taxes)			100.88			151.61	50.73	50.29%	95.24%	
HST		0.13	13.11		0.13	19.71	6.59	50.29%	12.38%	
Total Bill (including HST)			114.00			171.32	57.32	50.29%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.07		-0.08	-12.13	-4.06	50.29%	-7.62%	
Total Bill on Two-Tier RPP			105.93			159.19	53.27	50.29%	100.00%	
Total Bill on TOU (before Taxes)			102.95			153.68	50.73	49.28%		95.24%
HST		0.13	13.38		0.13	19.98	6.60	49.28%		12.38%
Total Bill (including HST)			116.33			173.66	57.33	49.28%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-8.24		-0.08	-12.29	-4.06	49.28%		-7.62%
Total Bill on TOU			108.10			161.36	53.27	49.28%		100.00%

2021 Bill Impacts (High Consumption Level) - Seasonal										
Rate Class	Seasonal	R2								
Monthly Consumption (kWh)	1000									
Peak (kW)	0									
Loss factor - Seasonal	1.104									
Loss factor - UR	1.105									
Commodity Threshold	600									
Monthly Consumption (kWh) - Uplifted - Seasonal	1104									
Monthly Consumption (kWh) - Uplifted - UR	1105									
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	0.077	46.20	600	0.077	46.20	0.00	0.00%	18.23%	
Energy Second Tier (kWh)	400	0.089	35.60	400	0.089	35.60	0.00	0.00%	14.04%	
Sub-Total: Energy (RPP)			81.80			81.80	0.00	0.00%	32.27%	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		16.68%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		6.31%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		9.52%
Sub-Total: Energy (TOU)			82.35			82.35	0.00	0.00%	32.49%	32.51%
Service Charge	1	44.39	44.39	1	105.7	105.70	61.31	138.12%	41.70%	41.72%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
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	1,000	0.0565	56.50	1,000	0.0243	24.30	-32.20	-56.99%	9.59%	9.59%
Volumetric Deferral/Variance Account Rider	1,000	0	0.00	1,000	0	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			100.89			130.00	29.11	28.85%	51.29%	51.32%
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.0890	9.26	105	0.0890	9.35	0.09	0.96%	3.69%	3.69%
Line Losses on Cost of Power (based on TOU prices)	104	0.0824	8.56	105	0.0824	8.65	0.08	0.96%	3.41%	3.41%
Sub-Total: Distribution (based on two-tier RPP prices)			110.72			139.92	29.20	26.37%	55.20%	55.23%
Sub-Total: Distribution (based on TOU prices)			110.02			139.22	29.19	26.53%	54.92%	54.96%
Retail Transmission Rate – Network Service Rate	1,104	0.0061	6.73	1,105	0.0072	7.96	1.22	18.14%	3.14%	3.14%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0059	6.51	1,105	0.0065	7.18	0.67	10.27%	2.83%	2.84%
Sub-Total: Retail Transmission			13.25			15.14	1.89	14.27%	5.97%	5.98%
Sub-Total: Delivery (based on two-tier RPP prices)			123.96			155.05	31.09	25.08%	61.17%	61.21%
Sub-Total: Delivery (based on TOU prices)			123.27			154.36	31.08	25.21%	60.89%	60.93%
Wholesale Market Service Rate	1,104	0.0034	3.75	1,105	0.0034	3.76	0.00	0.09%	1.48%	1.48%
Rural Rate Protection Charge	1,104	0.0005	0.55	1,105	0.0005	0.55	0.00	0.09%	0.22%	0.22%
Ontario Electricity Support Program	1,104	0.0000	0.00	1,105	0.0000	0.00	0.00	0.00%	0.00%	0.00%
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			4.56			4.56	0.00	0.09%	1.80%	1.80%
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 Bill on Two-Ttier RPP (before Taxes)			210.32			241.41	31.09	14.78%	95.24%	
HST		0.13	27.34		0.13	31.38	4.04	14.78%	12.38%	
Total Bill (including HST)			237.66			272.80	35.14	14.78%	107.62%	
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.83		-0.08	-19.31	-2.49	14.78%	-7.62%	
Total Bill on Two-Tier RPP			220.84			253.48	32.65	14.78%	100.00%	
Total Bill on TOU (before Taxes)			210.18			241.26	31.09	14.79%		95.24%
HST		0.13	27.32		0.13	31.36	4.04	14.79%		12.38%
Total Bill (including HST)			237.50			272.63	35.13	14.79%		107.62%
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.81		-0.08	-19.30	-2.49	14.79%		-7.62%
Total Bill on TOU			220.69			253.33	32.64	14.79%		100.00%

**2021 Bill Impacts (Low Consumption Level) - Gse**

Rate Class	GSe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	2000
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)	1,000	0.077	77.00	1,000	0.077	77.00	0.00	0.00%	37.38%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>77.00</b>			<b>77.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.38%</b>	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		19.91%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		7.53%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		11.37%
<b>Sub-Total: Energy (TOU)</b>			<b>82.35</b>			<b>82.35</b>	<b>0.00</b>	<b>0.00%</b>	<b>39.97%</b>	<b>38.81%</b>
Service Charge	1	31.51	31.51	1	31.61	31.61	0.10	0.32%	15.34%	14.90%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	1,000	0	0.00	1,000	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0616	61.60	1,000	0.0625	62.50	0.90	1.46%	30.34%	29.46%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>93.11</b>			<b>94.11</b>	<b>1.00</b>	<b>1.07%</b>	<b>45.68%</b>	<b>44.36%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.28%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.0770	7.39	96	0.0770	7.39	0.00	0.00%	3.59%	3.48%
Line Losses on Cost of Power (based on TOU prices)	96	0.0824	7.91	96	0.0824	7.91	0.00	0.00%	3.84%	3.73%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>101.07</b>			<b>102.07</b>	<b>1.00</b>	<b>0.99%</b>	<b>49.55%</b>	<b>48.11%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>101.59</b>			<b>102.59</b>	<b>1.00</b>	<b>0.98%</b>	<b>49.80%</b>	<b>48.35%</b>
Retail Transmission Rate – Network Service Rate	1,096	0.0061	6.69	1,096	0.0061	6.69	0.00	0.00%	3.25%	3.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0054	5.92	1,096	0.0054	5.92	0.00	0.00%	2.87%	2.79%
<b>Sub-Total: Retail Transmission</b>			<b>12.60</b>			<b>12.60</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.12%</b>	<b>5.94%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>113.68</b>			<b>114.68</b>	<b>1.00</b>	<b>0.88%</b>	<b>55.67%</b>	<b>54.05%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>114.19</b>			<b>115.19</b>	<b>1.00</b>	<b>0.88%</b>	<b>55.91%</b>	<b>54.29%</b>
Wholesale Market Service Rate	1,096	0.0034	3.73	1,096	0.0034	3.73	0.00	0.00%	1.81%	1.76%
Rural Rate Protection Charge	1,096	0.0005	0.55	1,096	0.0005	0.55	0.00	0.00%	0.27%	0.26%
Ontario Electricity Support Program Charge	1,096	0.0000	0.00	1,096	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>4.52</b>			<b>4.52</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.20%</b>	<b>2.13%</b>
<b>Debt Retirement Charge (DRC)</b>	1,000	0.000	<b>0.00</b>	1,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>195.20</b>			<b>196.20</b>	<b>1.00</b>	<b>0.51%</b>	<b>95.24%</b>	
HST		0.13	25.38		0.13	25.51	0.13	0.51%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>220.58</b>			<b>221.71</b>	<b>1.13</b>	<b>0.51%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-15.62		-0.08	-15.70	-0.08	-0.51%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>204.96</b>			<b>206.01</b>	<b>1.05</b>	<b>0.51%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>201.06</b>			<b>202.06</b>	<b>1.00</b>	<b>0.50%</b>		<b>95.24%</b>
HST		0.13	26.14		0.13	26.27	0.13	0.50%	12.38%	
<b>Total Electricity Charge on TOU (including HST)</b>			<b>227.20</b>			<b>228.33</b>	<b>1.13</b>	<b>0.50%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-16.09		-0.08	-16.17	-0.08	-0.50%	-7.62%	
<b>Total Amount on TOU</b>			<b>211.12</b>			<b>212.17</b>	<b>1.05</b>	<b>0.50%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - Gse**

Rate Class	GSe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	2000
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)	2,000	0.077	154.00	2,000	0.077	154.00	0.00	0.00%	40.74%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>154.00</b>			<b>154.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>40.74%</b>	
TOU-Off Peak	1,300	0.065	84.50	1,300	0.065	84.50	0.00	0.00%		21.65%
TOU-Mid Peak	340	0.094	31.96	340	0.094	31.96	0.00	0.00%		8.19%
TOU-On Peak	360	0.134	48.24	360	0.134	48.24	0.00	0.00%		12.36%
<b>Sub-Total: Energy (TOU)</b>			<b>164.70</b>			<b>164.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>43.57%</b>	<b>42.20%</b>
Service Charge	1	31.51	31.51	1	31.61	31.61	0.10	0.32%	8.36%	8.10%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	2,000	0	0.00	2,000	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0616	123.20	2,000	0.0625	125.00	1.80	1.46%	33.07%	32.03%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,000	0	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>154.71</b>			<b>156.61</b>	<b>1.90</b>	<b>1.23%</b>	<b>41.43%</b>	<b>40.13%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.15%	0.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.0770	14.78	192	0.0770	14.78	0.00	0.00%	3.91%	3.79%
Line Losses on Cost of Power (based on TOU prices)	192	0.0824	15.81	192	0.0824	15.81	0.00	0.00%	4.18%	4.05%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>170.06</b>			<b>171.96</b>	<b>1.90</b>	<b>1.12%</b>	<b>45.50%</b>	<b>44.06%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>171.09</b>			<b>172.99</b>	<b>1.90</b>	<b>1.11%</b>	<b>45.77%</b>	<b>44.32%</b>
Retail Transmission Rate – Network Service Rate	2,192	0.0061	13.37	2,192	0.0061	13.37	0.00	0.00%	3.54%	3.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0054	11.84	2,192	0.0054	11.84	0.00	0.00%	3.13%	3.03%
<b>Sub-Total: Retail Transmission</b>			<b>25.21</b>			<b>25.21</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.67%</b>	<b>6.46%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>195.27</b>			<b>197.17</b>	<b>1.90</b>	<b>0.97%</b>	<b>52.17%</b>	<b>50.52%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>196.30</b>			<b>198.20</b>	<b>1.90</b>	<b>0.97%</b>	<b>52.44%</b>	<b>50.78%</b>
Wholesale Market Service Rate	2,192	0.0034	7.45	2,192	0.0034	7.45	0.00	0.00%	1.97%	1.91%
Rural Rate Protection Charge	2,192	0.0005	1.10	2,192	0.0005	1.10	0.00	0.00%	0.29%	0.28%
Ontario Electricity Support Program Charge	2,192	0.0000	0.00	2,192	0.0000	0.00	0.00	N/A	0.00%	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.06%
<b>Sub-Total: Regulatory</b>			<b>8.80</b>			<b>8.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.33%</b>	<b>2.25%</b>
<b>Debt Retirement Charge (DRC)</b>	2,000	0.000	<b>0.00</b>	2,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>358.07</b>			<b>359.97</b>	<b>1.90</b>	<b>0.53%</b>	<b>95.24%</b>	
HST		0.13	46.55		0.13	46.80	0.25	0.53%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>404.62</b>			<b>406.77</b>	<b>2.15</b>	<b>0.53%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-28.65		-0.08	-28.80	-0.15	-0.53%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>375.97</b>			<b>377.97</b>	<b>1.99</b>	<b>0.53%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>369.80</b>			<b>371.70</b>	<b>1.90</b>	<b>0.51%</b>		<b>95.24%</b>
HST		0.13	48.07		0.13	48.32	0.25	0.51%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>417.87</b>			<b>420.02</b>	<b>2.15</b>	<b>0.51%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-29.58		-0.08	-29.74	-0.15	-0.51%		-7.62%
<b>Total Amount on TOU</b>			<b>388.29</b>			<b>390.28</b>	<b>2.00</b>	<b>0.51%</b>		<b>100.00%</b>



**2021 Bill Impacts (Avg Consumption Level) - Gse**

Rate Class	GSe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	2000
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)	2,000	0.077	154.00	2,000	0.077	154.00	0.00	0.00%	5.51%	
Energy Second Tier (kWh)	13,000	0.089	1,157.00	13,000	0.089	1,157.00	0.00	0.00%	41.39%	
<b>Sub-Total: Energy (RPP)</b>			<b>1,311.00</b>			<b>1,311.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.90%</b>	
TOU-Off Peak	9,750	0.065	633.75	9,750	0.065	633.75	0.00	0.00%		23.42%
TOU-Mid Peak	2,550	0.094	239.70	2,550	0.094	239.70	0.00	0.00%		8.86%
TOU-On Peak	2,700	0.134	361.80	2,700	0.134	361.80	0.00	0.00%		13.37%
<b>Sub-Total: Energy (TOU)</b>			<b>1,235.25</b>			<b>1,235.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>44.19%</b>	<b>45.65%</b>
Service Charge	1	31.51	31.51	1	31.51	31.51	0.10	0.32%	1.13%	1.17%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	15,000	0	0.00	15,000	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0616	924.00	15,000	0.0625	937.50	13.50	1.46%	33.54%	34.65%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	15,000	0	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>955.51</b>			<b>969.11</b>	<b>13.60</b>	<b>1.42%</b>	<b>34.67%</b>	<b>35.82%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.0890	128.16	1,440	0.0890	128.16	0.00	0.00%	4.58%	4.74%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.0824	118.58	1,440	0.0824	118.58	0.00	0.00%	4.24%	4.38%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>1,084.24</b>			<b>1,097.84</b>	<b>13.60</b>	<b>1.25%</b>	<b>39.27%</b>	<b>40.57%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>1,074.66</b>			<b>1,088.26</b>	<b>13.60</b>	<b>1.27%</b>	<b>38.93%</b>	<b>40.22%</b>
Retail Transmission Rate – Network Service Rate	16,440	0.0061	100.28	16,440	0.0061	100.28	0.00	0.00%	3.59%	3.71%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0054	88.78	16,440	0.0054	88.78	0.00	0.00%	3.18%	3.28%
<b>Sub-Total: Retail Transmission</b>			<b>189.06</b>			<b>189.06</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.76%</b>	<b>6.99%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>1,273.30</b>			<b>1,286.90</b>	<b>13.60</b>	<b>1.07%</b>	<b>46.04%</b>	<b>47.56%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>1,263.72</b>			<b>1,277.32</b>	<b>13.60</b>	<b>1.08%</b>	<b>45.69%</b>	<b>47.21%</b>
Wholesale Market Service Rate	16,440	0.0034	55.90	16,440	0.0034	55.90	0.00	0.00%	2.00%	2.07%
Rural Rate Protection Charge	16,440	0.0005	8.22	16,440	0.0005	8.22	0.00	0.00%	0.29%	0.30%
Ontario Electricity Support Program Charge	16,440	0.0000	0.00	16,440	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>64.37</b>			<b>64.37</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.30%</b>	<b>2.38%</b>
<b>Debt Retirement Charge (DRC)</b>	15,000	0.000	<b>0.00</b>	15,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>2,648.67</b>			<b>2,662.27</b>	<b>13.60</b>	<b>0.51%</b>	<b>95.24%</b>	
HST		0.13	344.33		0.13	346.09	1.77	0.51%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>2,992.99</b>			<b>3,008.36</b>	<b>15.37</b>	<b>0.51%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-211.89		-0.08	-212.98	-1.09	-0.51%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>2,781.10</b>			<b>2,795.38</b>	<b>14.28</b>	<b>0.51%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>2,563.34</b>			<b>2,576.94</b>	<b>13.60</b>	<b>0.53%</b>		<b>95.24%</b>
HST		0.13	333.23		0.13	335.00	1.77	0.53%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>2,896.57</b>			<b>2,911.94</b>	<b>15.37</b>	<b>0.53%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-205.07		-0.08	-206.16	-1.09	-0.53%		-7.62%
<b>Total Amount on TOU</b>			<b>2,691.51</b>			<b>2,705.79</b>	<b>14.28</b>	<b>0.53%</b>		<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - Uge**

Rate Class	UGe
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	2000
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)	1,000	0.077	77.00	1,000	0.077	77.00	0.00	0.00%	47.38%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>77.00</b>			<b>77.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>47.38%</b>	
TOU-Off Peak	650	0.065	42.25	650	0.065	42.25	0.00	0.00%		25.08%
TOU-Mid Peak	170	0.094	15.98	170	0.094	15.98	0.00	0.00%		9.48%
TOU-On Peak	180	0.134	24.12	180	0.134	24.12	0.00	0.00%		14.32%
<b>Sub-Total: Energy (TOU)</b>			<b>82.35</b>			<b>82.35</b>	<b>0.00</b>	<b>0.00%</b>	<b>50.68%</b>	<b>48.87%</b>
Service Charge	1	24.76	24.76	1	24.91	24.91	0.15	0.61%	15.33%	14.78%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	1,000	0	0.00	1,000	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	1,000	0.0293	29.30	1,000	0.0298	29.80	0.50	1.71%	18.34%	17.69%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	1,000	0	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>54.06</b>			<b>54.71</b>	<b>0.65</b>	<b>1.20%</b>	<b>33.67%</b>	<b>32.47%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.35%	0.34%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.0770	5.16	67	0.0770	5.16	0.00	0.00%	3.17%	3.06%
Line Losses on Cost of Power (based on TOU prices)	67	0.0824	5.52	67	0.0824	5.52	0.00	0.00%	3.40%	3.27%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>59.79</b>			<b>60.44</b>	<b>0.65</b>	<b>1.09%</b>	<b>37.19%</b>	<b>35.87%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>60.15</b>			<b>60.80</b>	<b>0.65</b>	<b>1.08%</b>	<b>37.41%</b>	<b>36.08%</b>
Retail Transmission Rate – Network Service Rate	1,067	0.0066	7.04	1,067	0.0066	7.04	0.00	0.00%	4.33%	4.18%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0055	5.87	1,067	0.0055	5.87	0.00	0.00%	3.61%	3.48%
<b>Sub-Total: Retail Transmission</b>			<b>12.91</b>			<b>12.91</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.95%</b>	<b>7.66%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>72.70</b>			<b>73.35</b>	<b>0.65</b>	<b>0.89%</b>	<b>45.14%</b>	<b>43.53%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>73.06</b>			<b>73.71</b>	<b>0.65</b>	<b>0.89%</b>	<b>45.36%</b>	<b>43.75%</b>
Wholesale Market Service Rate	1,067	0.0034	3.63	1,067	0.0034	3.63	0.00	0.00%	2.23%	2.15%
Rural Rate Protection Charge	1,067	0.0005	0.53	1,067	0.0005	0.53	0.00	0.00%	0.33%	0.32%
Ontario Electricity Support Program Charge	1,067	0.0000	0.00	1,067	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>4.41</b>			<b>4.41</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.71%</b>	<b>2.62%</b>
<b>Debt Retirement Charge (DRC)</b>	1,000	0.000	<b>0.00</b>	1,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>154.11</b>			<b>154.76</b>	<b>0.65</b>	<b>0.42%</b>	<b>95.24%</b>	
HST		0.13	20.03		0.13	20.12	0.08	0.42%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>174.15</b>			<b>174.88</b>	<b>0.73</b>	<b>0.42%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.33		-0.08	-12.38	-0.05	-0.42%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>161.82</b>			<b>162.50</b>	<b>0.68</b>	<b>0.42%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>159.82</b>			<b>160.47</b>	<b>0.65</b>	<b>0.41%</b>		<b>95.24%</b>
HST		0.13	20.78		0.13	20.86	0.08	0.41%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>180.60</b>			<b>181.33</b>	<b>0.73</b>	<b>0.41%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-12.79		-0.08	-12.84	-0.05	-0.41%		-7.62%
<b>Total Amount on TOU</b>			<b>167.81</b>			<b>168.49</b>	<b>0.68</b>	<b>0.41%</b>		<b>100.00%</b>

**2021 Bill Impacts (Typical Consumption Level) - Uge**

Rate Class	UGe
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	2000
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)	2,000	0.077	154.00	2,000	0.077	154.00	0.00	0.00%	51.68%	
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%	
<b>Sub-Total: Energy (RPP)</b>			<b>154.00</b>			<b>154.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>51.68%</b>	
TOU-Off Peak	1,300	0.065	84.50	1,300	0.065	84.50	0.00	0.00%		27.26%
TOU-Mid Peak	340	0.094	31.96	340	0.094	31.96	0.00	0.00%		10.31%
TOU-On Peak	360	0.134	48.24	360	0.134	48.24	0.00	0.00%		15.56%
<b>Sub-Total: Energy (TOU)</b>			<b>164.70</b>			<b>164.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>55.27%</b>	<b>53.13%</b>
Service Charge	1	24.76	24.76	1	24.91	24.91	0.15	0.61%	8.36%	8.04%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	2,000	0	0.00	2,000	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	2,000	0.0293	58.60	2,000	0.0298	59.60	1.00	1.71%	20.00%	19.23%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	2,000	0	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>83.36</b>			<b>84.51</b>	<b>1.15</b>	<b>1.38%</b>	<b>28.36%</b>	<b>27.26%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.19%	0.18%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.0770	10.32	134	0.0770	10.32	0.00	0.00%	3.46%	3.33%
Line Losses on Cost of Power (based on TOU prices)	134	0.0824	11.03	134	0.0824	11.03	0.00	0.00%	3.70%	3.56%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>94.25</b>			<b>95.40</b>	<b>1.15</b>	<b>1.22%</b>	<b>32.01%</b>	<b>30.78%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>94.96</b>			<b>96.11</b>	<b>1.15</b>	<b>1.21%</b>	<b>32.26%</b>	<b>31.01%</b>
Retail Transmission Rate – Network Service Rate	2,134	0.0066	14.08	2,134	0.0066	14.08	0.00	0.00%	4.73%	4.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0055	11.74	2,134	0.0055	11.74	0.00	0.00%	3.94%	3.79%
<b>Sub-Total: Retail Transmission</b>			<b>25.82</b>			<b>25.82</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.67%</b>	<b>8.33%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>120.07</b>			<b>121.22</b>	<b>1.15</b>	<b>0.96%</b>	<b>40.68%</b>	<b>39.11%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>120.79</b>			<b>121.94</b>	<b>1.15</b>	<b>0.95%</b>	<b>40.92%</b>	<b>39.34%</b>
Wholesale Market Service Rate	2,134	0.0034	7.26	2,134	0.0034	7.26	0.00	0.00%	2.43%	2.34%
Rural Rate Protection Charge	2,134	0.0005	1.07	2,134	0.0005	1.07	0.00	0.00%	0.36%	0.34%
Ontario Electricity Support Program Charge	2,134	0.0000	0.00	2,134	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>8.57</b>			<b>8.57</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.88%</b>	<b>2.77%</b>
<b>Debt Retirement Charge (DRC)</b>	2,000	0.000	<b>0.00</b>	2,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>282.64</b>			<b>283.79</b>	<b>1.15</b>	<b>0.41%</b>	<b>95.24%</b>	
HST		0.13	36.74		0.13	36.89	0.15	0.41%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>319.39</b>			<b>320.68</b>	<b>1.30</b>	<b>0.41%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-22.61		-0.08	-22.70	-0.09	-0.41%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>296.77</b>			<b>297.98</b>	<b>1.21</b>	<b>0.41%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>294.06</b>			<b>295.21</b>	<b>1.15</b>	<b>0.39%</b>		<b>95.24%</b>
HST		0.13	38.23		0.13	38.38	0.15	0.39%	12.38%	
<b>Total Electricity Charge on TOU (including HST)</b>			<b>332.29</b>			<b>333.59</b>	<b>1.30</b>	<b>0.39%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-23.52		-0.08	-23.62	-0.09	-0.39%	-7.62%	
<b>Total Amount on TOU</b>			<b>308.76</b>			<b>309.97</b>	<b>1.21</b>	<b>0.39%</b>		<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - Uge**

Rate Class	UGe
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	2000
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)	2,000	0.077	154.00	2,000	0.077	154.00	0.00	0.00%	6.89%	
Energy Second Tier (kWh)	13,000	0.089	1,157.00	13,000	0.089	1,157.00	0.00	0.00%	51.75%	
<b>Sub-Total: Energy (RPP)</b>			<b>1,311.00</b>			<b>1,311.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>58.64%</b>	
TOU-Off Peak	9,750	0.065	633.75	9,750	0.065	633.75	0.00	0.00%		29.49%
TOU-Mid Peak	2,550	0.094	239.70	2,550	0.094	239.70	0.00	0.00%		11.15%
TOU-On Peak	2,700	0.134	361.80	2,700	0.134	361.80	0.00	0.00%		16.83%
<b>Sub-Total: Energy (TOU)</b>			<b>1,235.25</b>			<b>1,235.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>55.25%</b>	<b>57.48%</b>
Service Charge	1	24.76	24.76	1	24.91	24.91	0.15	0.61%	1.11%	1.16%
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	0.00	0.00	1	0.00	0.00	0.00	N/A	0.00%	0.00%
Placeholder	15,000	0	0.00	15,000	0	0.00	0.00	N/A	0.00%	0.00%
Distribution Volumetric Rate	15,000	0.0293	439.50	15,000	0.0298	447.00	7.50	1.71%	19.99%	20.80%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	15,000	0	0.00	15,000	0.0000	0.00	0.00	N/A	0.00%	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>464.26</b>			<b>471.91</b>	<b>7.65</b>	<b>1.65%</b>	<b>21.11%</b>	<b>21.96%</b>
Smart Metering Entity Charge	1	0.57	0.57	1	0.57	0.57	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.0890	89.45	1,005	0.0890	89.45	0.00	0.00%	4.00%	4.16%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.0824	82.76	1,005	0.0824	82.76	0.00	0.00%	3.70%	3.85%
<b>Sub-Total: Distribution (based on two-tier RPP prices)</b>			<b>554.28</b>			<b>561.93</b>	<b>7.65</b>	<b>1.38%</b>	<b>25.13%</b>	<b>26.15%</b>
<b>Sub-Total: Distribution (based on TOU prices)</b>			<b>547.59</b>			<b>555.24</b>	<b>7.65</b>	<b>1.40%</b>	<b>24.84%</b>	<b>25.84%</b>
Retail Transmission Rate – Network Service Rate	16,005	0.0066	105.63	16,005	0.0066	105.63	0.00	0.00%	4.72%	4.92%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0055	88.03	16,005	0.0055	88.03	0.00	0.00%	3.94%	4.10%
<b>Sub-Total: Retail Transmission</b>			<b>193.66</b>			<b>193.66</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.66%</b>	<b>9.01%</b>
<b>Sub-Total: Delivery (based on two-tier RPP prices)</b>			<b>747.94</b>			<b>755.59</b>	<b>7.65</b>	<b>1.02%</b>	<b>33.80%</b>	<b>35.16%</b>
<b>Sub-Total: Delivery (based on TOU prices)</b>			<b>741.25</b>			<b>748.90</b>	<b>7.65</b>	<b>1.03%</b>	<b>33.50%</b>	<b>34.85%</b>
Wholesale Market Service Rate	16,005	0.0034	54.42	16,005	0.0034	54.42	0.00	0.00%	2.43%	2.53%
Rural Rate Protection Charge	16,005	0.0005	8.00	16,005	0.0005	8.00	0.00	0.00%	0.36%	0.37%
Ontario Electricity Support Program Charge	16,005	0.0000	0.00	16,005	0.0000	0.00	0.00	N/A	0.00%	0.00%
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%
<b>Sub-Total: Regulatory</b>			<b>62.67</b>			<b>62.67</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.80%</b>	<b>2.92%</b>
<b>Debt Retirement Charge (DRC)</b>	15,000	0.000	<b>0.00</b>	15,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP</b>			<b>2,121.61</b>			<b>2,129.26</b>	<b>7.65</b>	<b>0.36%</b>	<b>95.24%</b>	
HST		0.13	275.81		0.13	276.80	0.99	0.36%	12.38%	
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>2,397.41</b>			<b>2,406.06</b>	<b>8.64</b>	<b>0.36%</b>	<b>107.62%</b>	
Rebate equal to Ontario portion of HST (8%)		-0.08	-169.73		-0.08	-170.34	-0.61	-0.36%	-7.62%	
<b>Total Amount on Two-Tier RPP</b>			<b>2,227.69</b>			<b>2,235.72</b>	<b>8.03</b>	<b>0.36%</b>	<b>100.00%</b>	
<b>Total Electricity Charge on TOU (before HST)</b>			<b>2,039.17</b>			<b>2,046.82</b>	<b>7.65</b>	<b>0.38%</b>		<b>95.24%</b>
HST		0.13	265.09		0.13	266.09	0.99	0.38%		12.38%
<b>Total Electricity Charge on TOU (including HST)</b>			<b>2,304.26</b>			<b>2,312.91</b>	<b>8.64</b>	<b>0.38%</b>		<b>107.62%</b>
Rebate equal to Ontario portion of HST (8%)		-0.08	-163.13		-0.08	-163.75	-0.61	-0.38%		-7.62%
<b>Total Amount on TOU</b>			<b>2,141.13</b>			<b>2,149.16</b>	<b>8.03</b>	<b>0.38%</b>		<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - GSd**

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	0.116	1,838.18	15,915	0.116	1,838.18	0.00	0.00%	49.43%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>1,838.18</b>			<b>1,838.18</b>	<b>0.00</b>	<b>0.00%</b>	<b>49.43%</b>
Service Charge	1	105.21	105.21	1	105.26	105.26	0.05	0.05%	2.83%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	60	17.6289	1,057.73	60	17.8391	1,070.35	12.61	1.19%	28.78%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0	0.00	60	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	15,915	0.0000	0.00	15,915	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,162.94</b>			<b>1,175.61</b>	<b>12.66</b>	<b>1.09%</b>	<b>31.62%</b>
Retail Transmission Rate – Network Service Rate	60	1.9327	115.96	60	1.9327	115.96	0.00	0.00%	3.12%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.6437	98.62	60	1.6437	98.62	0.00	0.00%	2.65%
<b>Sub-Total: Retail Transmission</b>			<b>214.58</b>			<b>214.58</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.77%</b>
<b>Sub-Total: Delivery</b>			<b>1,377.53</b>			<b>1,390.19</b>	<b>12.66</b>	<b>0.92%</b>	<b>37.39%</b>
Wholesale Market Service Rate	15,915	0.0034	54.11	15,915	0.0034	54.11	0.00	0.00%	1.46%
Rural Rate Protection Charge	15,915	0.0005	7.96	15,915	0.0005	7.96	0.00	0.00%	0.21%
Ontario Electricity Support Program Charge	15,915	0.0000	0.00	15,915	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
<b>Sub-Total: Regulatory</b>			<b>62.32</b>			<b>62.32</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.68%</b>
<b>Debt Retirement Charge (DRC)</b>	15,000	0.000	<b>0.00</b>	15,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>3,278.03</b>			<b>3,290.69</b>	<b>12.66</b>	<b>0.39%</b>	<b>88.50%</b>
HST		0.13	426.14		0.13	427.79	1.65	0.39%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>3,704.17</b>			<b>3,718.48</b>	<b>14.31</b>	<b>0.39%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>3,704.17</b>			<b>3,718.48</b>	<b>14.31</b>	<b>0.39%</b>	<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - GSd**

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	0.116	4,424.38	38,306	0.116	4,424.38	0.00	0.00%	53.38%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>4,424.38</b>			<b>4,424.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>53.38%</b>
Service Charge	1	105.21	105.21	1	105.26	105.26	0.05	0.05%	1.27%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	124	17.6289	2,185.98	124	17.8391	2,212.05	26.06	1.19%	26.69%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	124	0	0.00	124	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	38,306	0.0000	0.00	38,306	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>2,291.19</b>			<b>2,317.31</b>	<b>26.11</b>	<b>1.14%</b>	<b>27.96%</b>
Retail Transmission Rate – Network Service Rate	124	1.9327	239.65	124	1.9327	239.65	0.00	0.00%	2.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	124	1.6437	203.82	124	1.6437	203.82	0.00	0.00%	2.46%
<b>Sub-Total: Retail Transmission</b>			<b>443.47</b>			<b>443.47</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.35%</b>
<b>Sub-Total: Delivery</b>			<b>2,734.67</b>			<b>2,760.78</b>	<b>26.11</b>	<b>0.95%</b>	<b>33.31%</b>
Wholesale Market Service Rate	38,306	0.0034	130.24	38,306	0.0034	130.24	0.00	0.00%	1.57%
Rural Rate Protection Charge	38,306	0.0005	19.15	38,306	0.0005	19.15	0.00	0.00%	0.23%
Ontario Electricity Support Program Charge	38,306	0.0000	0.00	38,306	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>149.64</b>			<b>149.64</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.81%</b>
<b>Debt Retirement Charge (DRC)</b>	36,104	0.000	<b>0.00</b>	36,104	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>7,308.69</b>			<b>7,334.81</b>	<b>26.11</b>	<b>0.36%</b>	<b>88.50%</b>
<b>HST</b>		0.13	950.13		0.13	953.53	3.39	0.36%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>8,258.82</b>			<b>8,288.33</b>	<b>29.51</b>	<b>0.36%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>8,258.82</b>			<b>8,288.33</b>	<b>29.51</b>	<b>0.36%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - GSd**

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	0.116	21,445.46	185,675	0.116	21,445.46	0.00	0.00%	57.54%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>21,445.46</b>			<b>21,445.46</b>	<b>0.00</b>	<b>0.00%</b>	<b>57.54%</b>
Service Charge	1	105.21	105.21	1	105.26	105.26	0.05	0.05%	0.28%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	500	17.6289	8,814.45	500	17.8391	8,919.55	105.10	1.19%	23.93%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	185,675	0.0000	0.00	185,675	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>8,919.66</b>			<b>9,024.81</b>	<b>105.15</b>	<b>1.18%</b>	<b>24.21%</b>
Retail Transmission Rate – Network Service Rate	500	1.9327	966.35	500	1.9327	966.35	0.00	0.00%	2.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.6437	821.85	500	1.6437	821.85	0.00	0.00%	2.21%
<b>Sub-Total: Retail Transmission</b>			<b>1,788.20</b>			<b>1,788.20</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.80%</b>
<b>Sub-Total: Delivery</b>			<b>10,707.86</b>			<b>10,813.01</b>	<b>105.15</b>	<b>0.98%</b>	<b>29.01%</b>
Wholesale Market Service Rate	185,675	0.0034	631.30	185,675	0.0034	631.30	0.00	0.00%	1.69%
Rural Rate Protection Charge	185,675	0.0005	92.84	185,675	0.0005	92.84	0.00	0.00%	0.25%
Ontario Electricity Support Program Charge	185,675	0.0000	0.00	185,675	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>724.38</b>			<b>724.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.94%</b>
<b>Debt Retirement Charge (DRC)</b>	175,000	0.000	<b>0.00</b>	175,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>32,877.71</b>			<b>32,982.86</b>	<b>105.15</b>	<b>0.32%</b>	<b>88.50%</b>
<b>HST</b>		0.13	4,274.10		0.13	4,287.77	13.67	0.32%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>37,151.81</b>			<b>37,270.63</b>	<b>118.82</b>	<b>0.32%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>37,151.81</b>			<b>37,270.63</b>	<b>118.82</b>	<b>0.32%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - UGd**

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	0.116	1,819.13	15,750	0.116	1,819.13	0.00	0.00%	56.09%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>1,819.13</b>			<b>1,819.13</b>	<b>0.00</b>	<b>0.00%</b>	<b>56.09%</b>
Service Charge	1	97.68	97.68	1	97.54	97.54	-0.14	-0.14%	3.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	60	10.1512	609.07	60	10.3002	618.01	8.94	1.47%	19.05%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	60	0	0.00	60	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	15,750	0.0000	0.00	15,750	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>706.75</b>			<b>715.55</b>	<b>8.80</b>	<b>1.25%</b>	<b>22.06%</b>
Retail Transmission Rate – Network Service Rate	60	2.4771	148.63	60	2.4771	148.63	0.00	0.00%	4.58%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	2.0887	125.32	60	2.0887	125.32	0.00	0.00%	3.86%
<b>Sub-Total: Retail Transmission</b>			<b>273.95</b>			<b>273.95</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.45%</b>
<b>Sub-Total: Delivery</b>			<b>980.70</b>			<b>989.50</b>	<b>8.80</b>	<b>0.90%</b>	<b>30.51%</b>
Wholesale Market Service Rate	15,750	0.0034	53.55	15,750	0.0034	53.55	0.00	0.00%	1.65%
Rural Rate Protection Charge	15,750	0.0005	7.88	15,750	0.0005	7.88	0.00	0.00%	0.24%
Ontario Electricity Support Program Charge	15,750	0.0000	0.00	15,750	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
<b>Sub-Total: Regulatory</b>			<b>61.68</b>			<b>61.68</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.90%</b>
<b>Debt Retirement Charge (DRC)</b>	15,000	0.000	<b>0.00</b>	15,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>2,861.50</b>			<b>2,870.30</b>	<b>8.80</b>	<b>0.31%</b>	<b>88.50%</b>
HST		0.13	372.00		0.13	373.14	1.14	0.31%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>3,233.50</b>			<b>3,243.44</b>	<b>9.94</b>	<b>0.31%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>3,233.50</b>			<b>3,243.44</b>	<b>9.94</b>	<b>0.31%</b>	<b>100.00%</b>



**2021 Bill Impacts (Avg Consumption Level) - UGd**

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	0.116	6,127.42	53,051	0.116	6,127.42	0.00	0.00%	64.26%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>6,127.42</b>			<b>6,127.42</b>	<b>0.00</b>	<b>0.00%</b>	<b>64.26%</b>
Service Charge	1	97.68	97.68	1	97.54	97.54	-0.14	-0.14%	1.02%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	135	10.1512	1,370.41	135	10.3002	1,390.53	20.12	1.47%	14.58%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	135	0	0.00	135	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	53,051	0.0000	0.00	53,051	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,468.09</b>			<b>1,488.07</b>	<b>19.98</b>	<b>1.36%</b>	<b>15.60%</b>
Retail Transmission Rate – Network Service Rate	135	2.4771	334.41	135	2.4771	334.41	0.00	0.00%	3.51%
Retail Transmission Rate – Line and Transformation Connection Service Rate	135	2.0887	281.97	135	2.0887	281.97	0.00	0.00%	2.96%
<b>Sub-Total: Retail Transmission</b>			<b>616.38</b>			<b>616.38</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.46%</b>
<b>Sub-Total: Delivery</b>			<b>2,084.48</b>			<b>2,104.45</b>	<b>19.97</b>	<b>0.96%</b>	<b>22.07%</b>
Wholesale Market Service Rate	53,051	0.0034	180.37	53,051	0.0034	180.37	0.00	0.00%	1.89%
Rural Rate Protection Charge	53,051	0.0005	26.53	53,051	0.0005	26.53	0.00	0.00%	0.28%
Ontario Electricity Support Program Charge	53,051	0.0000	0.00	53,051	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>207.15</b>			<b>207.15</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.17%</b>
<b>Debt Retirement Charge (DRC)</b>	50,525	0.000	<b>0.00</b>	50,525	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>8,419.04</b>			<b>8,439.02</b>	<b>19.98</b>	<b>0.24%</b>	<b>88.50%</b>
HST		0.13	1,094.48		0.13	1,097.07	2.60	0.24%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>9,513.52</b>			<b>9,536.09</b>	<b>22.57</b>	<b>0.24%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>9,513.52</b>			<b>9,536.09</b>	<b>22.57</b>	<b>0.24%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - UGd**

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	0.116	21,223.13	183,750	0.116	21,223.13	0.00	0.00%	63.73%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>21,223.13</b>			<b>21,223.13</b>	<b>0.00</b>	<b>0.00%</b>	<b>63.73%</b>
Service Charge	1	97.68	97.68	1	97.54	97.54	-0.14	-0.14%	0.29%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	500	10.1512	5,075.60	500	10.3002	5,150.10	74.50	1.47%	15.46%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	183,750	0.0000	0.00	183,750	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>5,173.28</b>			<b>5,247.64</b>	<b>74.36</b>	<b>1.44%</b>	<b>15.76%</b>
Retail Transmission Rate – Network Service Rate	500	2.4771	1,238.55	500	2.4771	1,238.55	0.00	0.00%	3.72%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.0887	1,044.35	500	2.0887	1,044.35	0.00	0.00%	3.14%
<b>Sub-Total: Retail Transmission</b>			<b>2,282.90</b>			<b>2,282.90</b>	<b>0.00</b>	<b>0.00%</b>	<b>6.86%</b>
<b>Sub-Total: Delivery</b>			<b>7,456.18</b>			<b>7,530.54</b>	<b>74.36</b>	<b>1.00%</b>	<b>22.61%</b>
Wholesale Market Service Rate	183,750	0.0034	624.75	183,750	0.0034	624.75	0.00	0.00%	1.88%
Rural Rate Protection Charge	183,750	0.0005	91.88	183,750	0.0005	91.88	0.00	0.00%	0.28%
Ontario Electricity Support Program Charge	183,750	0.0000	0.00	183,750	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>716.88</b>			<b>716.88</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.15%</b>
<b>Debt Retirement Charge (DRC)</b>	175,000	0.000	<b>0.00</b>	175,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>29,396.18</b>			<b>29,470.54</b>	<b>74.36</b>	<b>0.25%</b>	<b>88.50%</b>
HST		0.13	3,821.50		0.13	3,831.17	9.67	0.25%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>33,217.68</b>			<b>33,301.71</b>	<b>84.03</b>	<b>0.25%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>33,217.68</b>			<b>33,301.71</b>	<b>84.03</b>	<b>0.25%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - Street Light**

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	0.077	7.70	100	0.077	7.70	0.00	0.00%	30.73%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>7.70</b>			<b>7.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.73%</b>
Service Charge	1	3.38	3.38	1	3.41	3.41	0.03	0.89%	13.61%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	100	0.103	10.30	100	0.1043	10.43	0.13	1.26%	41.63%
Volumetric Deferral/Variance Account Rider (including CBR Class)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>13.68</b>			<b>13.84</b>	<b>0.16</b>	<b>1.17%</b>	<b>55.24%</b>
Line Losses on Cost of Power	9	0.0770	0.71	9	0.0770	0.71	0.00	0.00%	2.83%
<b>Sub-Total: Distribution</b>			<b>14.39</b>			<b>14.55</b>	<b>0.16</b>	<b>1.11%</b>	<b>58.06%</b>
Retail Transmission Rate – Network Service Rate	109	0.0051	0.56	109	0.0051	0.56	0.00	0.00%	2.22%
Retail Transmission Rate – Line and Transformation Connection	109	0.0035	0.38	109	0.0035	0.38	0.00	0.00%	1.53%
<b>Sub-Total: Retail Transmission</b>			<b>0.94</b>			<b>0.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.75%</b>
<b>Sub-Total: Delivery</b>			<b>15.33</b>			<b>15.49</b>	<b>0.16</b>	<b>1.04%</b>	<b>61.81%</b>
Wholesale Market Service Rate	109	0.0034	0.37	109	0.0034	0.37	0.00	0.00%	1.48%
Rural Rate Protection Charge	109	0.0005	0.05	109	0.0005	0.05	0.00	0.00%	0.22%
Ontario Electricity Support Program Charge	109	0.0000	0.00	109	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.00%
<b>Sub-Total: Regulatory</b>			<b>0.68</b>			<b>0.68</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.70%</b>
Debt Retirement Charge (DRC)	100	0.000	0.00	100	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>23.70</b>			<b>23.86</b>	<b>0.16</b>	<b>0.68%</b>	<b>95.24%</b>
<b>HST</b>			<b>0.13</b>		<b>0.13</b>	<b>3.10</b>	<b>0.02</b>	<b>0.68%</b>	<b>12.38%</b>
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>26.78</b>			<b>26.97</b>	<b>0.18</b>	<b>0.68%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>			<b>-0.08</b>		<b>-0.08</b>	<b>-1.91</b>	<b>-0.01</b>	<b>-0.68%</b>	<b>-7.62%</b>
<b>Total Amount on Two-Tier RPP</b>			<b>24.89</b>			<b>25.06</b>	<b>0.17</b>	<b>0.68%</b>	<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - Street Light**

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

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	517	0.077	39.81	517	0.077	39.81	0.00	0.00%	35.07%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>39.81</b>			<b>39.81</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.07%</b>
Service Charge	1	3.38	3.38	1	3.41	3.41	0.03	0.89%	3.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	517	0.103	53.25	517	0.1043	53.92	0.67	1.26%	47.50%
Volumetric Deferral/Variance Account Rider (including CBR Class)	517	0.0000	0.00	517	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>56.63</b>			<b>57.33</b>	<b>0.70</b>	<b>1.24%</b>	<b>50.51%</b>
Line Losses on Cost of Power	48	0.0770	3.66	48	0.0770	3.66	0.00	0.00%	3.23%
<b>Sub-Total: Distribution</b>			<b>60.29</b>			<b>61.00</b>	<b>0.70</b>	<b>1.16%</b>	<b>53.73%</b>
Retail Transmission Rate – Network Service Rate	565	0.0051	2.88	565	0.0051	2.88	0.00	0.00%	2.54%
Retail Transmission Rate – Line and Transformation Connection	565	0.0035	1.98	565	0.0035	1.98	0.00	0.00%	1.74%
<b>Sub-Total: Retail Transmission</b>			<b>4.86</b>			<b>4.86</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.28%</b>
<b>Sub-Total: Delivery</b>			<b>65.15</b>			<b>65.85</b>	<b>0.70</b>	<b>1.08%</b>	<b>58.01%</b>
Wholesale Market Service Rate	565	0.0034	1.92	565	0.0034	1.92	0.00	0.00%	1.69%
Rural Rate Protection Charge	565	0.0005	0.28	565	0.0005	0.28	0.00	0.00%	0.25%
Ontario Electricity Support Program Charge	565	0.0000	0.00	565	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%
<b>Sub-Total: Regulatory</b>			<b>2.45</b>			<b>2.45</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.16%</b>
Debt Retirement Charge (DRC)	517	0.000	0.00	517	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>107.41</b>			<b>108.11</b>	<b>0.70</b>	<b>0.65%</b>	<b>95.24%</b>
<b>HST</b>			0.13		0.13	14.05	0.09	0.65%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>121.37</b>			<b>122.17</b>	<b>0.79</b>	<b>0.65%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>			-0.08		-0.08	-8.65	-0.06	-0.65%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>112.78</b>			<b>113.52</b>	<b>0.74</b>	<b>0.65%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - Street Light**

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	0.077	57.75	750	0.077	57.75	0.00	0.00%	12.94%
Energy Second Tier (kWh)	1,250	0.089	111.25	1,250	0.089	111.25	0.00	0.00%	24.93%
<b>Sub-Total: Energy (RPP)</b>			<b>169.00</b>			<b>169.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>37.88%</b>
Service Charge	1	3.38	3.38	1	3.41	3.41	0.03	0.89%	0.76%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	2,000	0.103	206.00	2,000	0.1043	208.60	2.60	1.26%	46.75%
Volumetric Deferral/Variance Account Rider (including CBR Class)	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>209.38</b>			<b>212.01</b>	<b>2.63</b>	<b>1.26%</b>	<b>47.52%</b>
Line Losses on Cost of Power	184	0.0890	16.38	184	0.0890	16.38	0.00	0.00%	3.67%
<b>Sub-Total: Distribution</b>			<b>225.76</b>			<b>228.39</b>	<b>2.63</b>	<b>1.16%</b>	<b>51.19%</b>
Retail Transmission Rate – Network Service Rate	2,184	0.0051	11.14	2,184	0.0051	11.14	0.00	0.00%	2.50%
Retail Transmission Rate – Line and Transformation Connection	2,184	0.0035	7.64	2,184	0.0035	7.64	0.00	0.00%	1.71%
<b>Sub-Total: Retail Transmission</b>			<b>18.78</b>			<b>18.78</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.21%</b>
<b>Sub-Total: Delivery</b>			<b>244.54</b>			<b>247.17</b>	<b>2.63</b>	<b>1.08%</b>	<b>55.40%</b>
Wholesale Market Service Rate	2,184	0.0034	7.43	2,184	0.0034	7.43	0.00	0.00%	1.66%
Rural Rate Protection Charge	2,184	0.0005	1.09	2,184	0.0005	1.09	0.00	0.00%	0.24%
Ontario Electricity Support Program Charge	2,184	0.0000	0.00	2,184	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
<b>Sub-Total: Regulatory</b>			<b>8.77</b>			<b>8.77</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.97%</b>
Debt Retirement Charge (DRC)	2,000	0.000	0.00	2,000	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>422.31</b>			<b>424.94</b>	<b>2.63</b>	<b>0.62%</b>	<b>95.24%</b>
<b>HST</b>		0.13	54.90		0.13	55.24	0.34	0.62%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>477.21</b>			<b>480.18</b>	<b>2.97</b>	<b>0.62%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		-0.08	-33.78		-0.08	-33.99	-0.21	-0.62%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>443.42</b>			<b>446.18</b>	<b>2.76</b>	<b>0.62%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - Sentinel Light**

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	0.077	1.54	20	0.077	1.54	0.00	0.00%	18.03%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>1.54</b>			<b>1.54</b>	<b>0.00</b>	<b>0.00%</b>	<b>18.03%</b>
Service Charge	1	2.64	2.64	1	2.84	2.84	0.20	7.58%	33.26%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	20	0.1435	2.87	20	0.1543	3.09	0.22	7.53%	36.14%
Volumetric Deferral/Variance Account Rider (including CBR Class)	20	0.0000	0.00	20	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>5.51</b>			<b>5.93</b>	<b>0.42</b>	<b>7.55%</b>	<b>69.40%</b>
Line Losses on Cost of Power	2	0.0770	0.14	2	0.0770	0.14	0.00	0.00%	1.66%
<b>Sub-Total: Distribution</b>			<b>5.65</b>			<b>6.07</b>	<b>0.42</b>	<b>7.36%</b>	<b>71.05%</b>
Retail Transmission Rate – Network Service Rate	22	0.0051	0.11	22	0.0051	0.11	0.00	0.00%	1.30%
Retail Transmission Rate – Line and Transformation Connection	22	0.0036	0.08	22	0.0036	0.08	0.00	0.00%	0.92%
<b>Sub-Total: Retail Transmission</b>			<b>0.19</b>			<b>0.19</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.23%</b>
<b>Sub-Total: Delivery</b>			<b>5.84</b>			<b>6.26</b>	<b>0.42</b>	<b>7.12%</b>	<b>73.28%</b>
Wholesale Market Service Rate	22	0.0034	0.07	22	0.0034	0.07	0.00	0.00%	0.87%
Rural Rate Protection Charge	22	0.0005	0.01	22	0.0005	0.01	0.00	0.00%	0.13%
Ontario Electricity Support Program Charge	22	0.0000	0.00	22	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.93%
<b>Sub-Total: Regulatory</b>			<b>0.34</b>			<b>0.34</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.93%</b>
Debt Retirement Charge (DRC)	20	0.000	0.00	20	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>7.72</b>			<b>8.13</b>	<b>0.42</b>	<b>5.39%</b>	<b>95.24%</b>
<b>HST</b>			<b>0.13</b>		<b>0.13</b>	<b>1.06</b>	<b>0.05</b>	<b>5.39%</b>	<b>12.38%</b>
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>8.72</b>			<b>9.19</b>	<b>0.47</b>	<b>5.39%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>			<b>-0.08</b>		<b>-0.08</b>	<b>-0.65</b>	<b>-0.03</b>	<b>-5.39%</b>	<b>-7.62%</b>
<b>Total Amount on Two-Tier RPP</b>			<b>8.10</b>			<b>8.54</b>	<b>0.44</b>	<b>5.39%</b>	<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - Sentinel Light**

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

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	71	0.077	5.47	71	0.077	5.47	0.00	0.00%	24.80%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>5.47</b>			<b>5.47</b>	<b>0.00</b>	<b>0.00%</b>	<b>24.80%</b>
Service Charge	1	2.64	2.64	1	2.84	2.84	0.20	7.58%	12.88%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	71	0.1435	10.19	71	0.1543	10.96	0.77	7.53%	49.70%
Volumetric Deferral/Variance Account Rider (including CBR Class)	71	0.0000	0.00	71	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>12.83</b>			<b>13.80</b>	<b>0.97</b>	<b>7.54%</b>	<b>62.59%</b>
Line Losses on Cost of Power	7	0.0770	0.50	7	0.0770	0.50	0.00	0.00%	2.28%
<b>Sub-Total: Distribution</b>			<b>13.33</b>			<b>14.30</b>	<b>0.97</b>	<b>7.25%</b>	<b>64.87%</b>
Retail Transmission Rate – Network Service Rate	78	0.0051	0.40	78	0.0051	0.40	0.00	0.00%	1.79%
Retail Transmission Rate – Line and Transformation Connection	78	0.0036	0.28	78	0.0036	0.28	0.00	0.00%	1.27%
<b>Sub-Total: Retail Transmission</b>			<b>0.67</b>			<b>0.67</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.06%</b>
<b>Sub-Total: Delivery</b>			<b>14.01</b>			<b>14.97</b>	<b>0.97</b>	<b>6.90%</b>	<b>67.93%</b>
Wholesale Market Service Rate	78	0.0034	0.26	78	0.0034	0.26	0.00	0.00%	1.20%
Rural Rate Protection Charge	78	0.0005	0.04	78	0.0005	0.04	0.00	0.00%	0.18%
Ontario Electricity Support Program Charge	78	0.0000	0.00	78	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.13%
<b>Sub-Total: Regulatory</b>			<b>0.55</b>			<b>0.55</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.51%</b>
Debt Retirement Charge (DRC)	71	0.000	0.00	71	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>20.03</b>			<b>20.99</b>	<b>0.97</b>	<b>4.83%</b>	<b>95.24%</b>
<b>HST</b>			<b>0.13</b>		<b>0.13</b>	<b>2.73</b>	<b>0.13</b>	<b>4.83%</b>	<b>12.38%</b>
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>22.63</b>			<b>23.72</b>	<b>1.09</b>	<b>4.83%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>			<b>-0.08</b>		<b>-0.08</b>	<b>-1.68</b>	<b>-0.08</b>	<b>-4.83%</b>	<b>-7.62%</b>
<b>Total Amount on Two-Tier RPP</b>			<b>21.03</b>			<b>22.04</b>	<b>1.02</b>	<b>4.83%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - Sentinel Light**

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	0.077	15.40	200	0.077	15.40	0.00	0.00%	27.40%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>15.40</b>			<b>15.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>27.40%</b>
Service Charge	1	2.64	2.64	1	2.84	2.84	0.20	7.58%	5.05%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	200	0.1435	28.70	200	0.1543	30.86	2.16	7.53%	54.92%
Volumetric Deferral/Variance Account Rider (including CBR Class)	200	0.0000	0.00	200	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>31.34</b>			<b>33.70</b>	<b>2.36</b>	<b>7.53%</b>	<b>59.97%</b>
Line Losses on Cost of Power	18	0.0770	1.42	18	0.0770	1.42	0.00	0.00%	2.52%
<b>Sub-Total: Distribution</b>			<b>32.76</b>			<b>35.12</b>	<b>2.36</b>	<b>7.20%</b>	<b>62.49%</b>
Retail Transmission Rate – Network Service Rate	218	0.0051	1.11	218	0.0051	1.11	0.00	0.00%	1.98%
Retail Transmission Rate – Line and Transformation Connection	218	0.0036	0.79	218	0.0036	0.79	0.00	0.00%	1.40%
<b>Sub-Total: Retail Transmission</b>			<b>1.90</b>			<b>1.90</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.38%</b>
<b>Sub-Total: Delivery</b>			<b>34.66</b>			<b>37.02</b>	<b>2.36</b>	<b>6.81%</b>	<b>65.87%</b>
Wholesale Market Service Rate	218	0.0034	0.74	218	0.0034	0.74	0.00	0.00%	1.32%
Rural Rate Protection Charge	218	0.0005	0.11	218	0.0005	0.11	0.00	0.00%	0.19%
Ontario Electricity Support Program Charge	218	0.0000	0.00	218	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.44%
<b>Sub-Total: Regulatory</b>			<b>1.10</b>			<b>1.10</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.96%</b>
Debt Retirement Charge (DRC)	200	0.000	0.00	200	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>51.16</b>			<b>53.52</b>	<b>2.36</b>	<b>4.61%</b>	<b>95.24%</b>
<b>HST</b>		0.13	6.65		0.13	6.96	0.31	4.61%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>57.81</b>			<b>60.48</b>	<b>2.67</b>	<b>4.61%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		-0.08	-4.09		-0.08	-4.28	-0.19	-4.61%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>53.72</b>			<b>56.19</b>	<b>2.48</b>	<b>4.61%</b>	<b>100.00%</b>



**2021 Bill Impacts (Low Consumption Level) - USL**

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	0.077	7.70	100	0.077	7.70	0.00	0.00%	14.71%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>7.70</b>			<b>7.70</b>	<b>0.00</b>	<b>0.00%</b>	<b>14.71%</b>
Service Charge	1	36.15	36.15	1	37.25	37.25	1.10	3.04%	71.15%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	100	0.0241	2.41	100	0.0249	2.49	0.08	3.32%	4.76%
Volumetric Deferral/Variance Account Rider (including CBR Class)	100	0.0000	0.00	100	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>38.56</b>			<b>39.74</b>	<b>1.18</b>	<b>3.06%</b>	<b>75.91%</b>
Line Losses on Cost of Power	9	0.0770	0.71	9	0.0770	0.71	0.00	0.00%	1.35%
<b>Sub-Total: Distribution</b>			<b>39.27</b>			<b>40.45</b>	<b>1.18</b>	<b>3.00%</b>	<b>77.26%</b>
Retail Transmission Rate – Network Service Rate	109	0.0051	0.56	109	0.0051	0.56	0.00	0.00%	1.06%
Retail Transmission Rate – Line and Transformation Connection	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.92%
<b>Sub-Total: Retail Transmission</b>			<b>1.04</b>			<b>1.04</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.98%</b>
<b>Sub-Total: Delivery</b>			<b>40.31</b>			<b>41.49</b>	<b>1.18</b>	<b>2.93%</b>	<b>79.24%</b>
Wholesale Market Service Rate	109	0.0034	0.37	109	0.0034	0.37	0.00	0.00%	0.71%
Rural Rate Protection Charge	109	0.0005	0.05	109	0.0005	0.05	0.00	0.00%	0.10%
Ontario Electricity Support Program Charge	109	0.0000	0.00	109	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.48%
<b>Sub-Total: Regulatory</b>			<b>0.68</b>			<b>0.68</b>	<b>0.00</b>	<b>0.00%</b>	<b>1.29%</b>
Debt Retirement Charge (DRC)	100	0.000	0.00	100	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>48.68</b>			<b>49.86</b>	<b>1.18</b>	<b>2.42%</b>	<b>95.24%</b>
<b>HST</b>		0.13	6.33		0.13	6.48	0.15	2.42%	12.38%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>55.01</b>			<b>56.34</b>	<b>1.33</b>	<b>2.42%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		-0.08	-3.89		-0.08	-3.99	-0.09	-2.42%	-7.62%
<b>Total Amount on Two-Tier RPP</b>			<b>51.12</b>			<b>52.35</b>	<b>1.24</b>	<b>2.42%</b>	<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - USL**

Rate Class	USL
Monthly Consumption (kWh)	364
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	397.488
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	0.077	28.03	364	0.077	28.03	0.00	0.00%	32.36%
Energy Second Tier (kWh)	0	0.089	0.00	0	0.089	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>28.03</b>			<b>28.03</b>	<b>0.00</b>	<b>0.00%</b>	<b>32.36%</b>
Service Charge	1	36.15	36.15	1	37.25	37.25	1.10	3.04%	43.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	364	0.0241	8.77	364	0.0249	9.06	0.29	3.32%	10.46%
Volumetric Deferral/Variance Account Rider (including CBR Class)	364	0.0000	0.00	364	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>44.92</b>			<b>46.31</b>	<b>1.39</b>	<b>3.10%</b>	<b>53.47%</b>
Line Losses on Cost of Power	33	0.0770	2.58	33	0.0770	2.58	0.00	0.00%	2.98%
<b>Sub-Total: Distribution</b>			<b>47.50</b>			<b>48.89</b>	<b>1.39</b>	<b>2.93%</b>	<b>56.44%</b>
Retail Transmission Rate – Network Service Rate	397	0.0051	2.03	397	0.0051	2.03	0.00	0.00%	2.34%
Retail Transmission Rate – Line and Transformation Connection	397	0.0044	1.75	397	0.0044	1.75	0.00	0.00%	2.02%
<b>Sub-Total: Retail Transmission</b>			<b>3.78</b>			<b>3.78</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.36%</b>
<b>Sub-Total: Delivery</b>			<b>51.28</b>			<b>52.67</b>	<b>1.39</b>	<b>2.71%</b>	<b>60.80%</b>
Wholesale Market Service Rate	397	0.0034	1.35	397	0.0034	1.35	0.00	0.00%	1.56%
Rural Rate Protection Charge	397	0.0005	0.20	397	0.0005	0.20	0.00	0.00%	0.23%
Ontario Electricity Support Program Charge	397	0.0000	0.00	397	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.29%
<b>Sub-Total: Regulatory</b>			<b>1.80</b>			<b>1.80</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.08%</b>
Debt Retirement Charge (DRC)	364	0.000	0.00	364	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>81.11</b>			<b>82.50</b>	<b>1.39</b>	<b>1.72%</b>	<b>95.24%</b>
<b>HST</b>			<b>0.13</b>		<b>0.13</b>	<b>10.72</b>	<b>0.18</b>	<b>1.72%</b>	<b>12.38%</b>
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>91.65</b>			<b>93.22</b>	<b>1.57</b>	<b>1.72%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>			<b>-0.08</b>		<b>-0.08</b>	<b>-6.60</b>	<b>-0.11</b>	<b>-1.72%</b>	<b>-7.62%</b>
<b>Total Amount on Two-Tier RPP</b>			<b>85.16</b>			<b>86.62</b>	<b>1.46</b>	<b>1.72%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - USL**

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	0.077	57.75	750	0.077	57.75	0.00	0.00%	33.29%
Energy Second Tier (kWh)	250	0.089	22.25	250	0.089	22.25	0.00	0.00%	12.83%
<b>Sub-Total: Energy (RPP)</b>			<b>80.00</b>			<b>80.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>46.11%</b>
Service Charge	1	36.15	36.15	1	37.25	37.25	1.10	3.04%	21.47%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	1,000	0.0241	24.10	1,000	0.0249	24.90	0.80	3.32%	14.35%
Volumetric Deferral/Variance Account Rider (including CBR Class)	1,000	0.0000	0.00	1,000	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution (excluding pass through)</b>			<b>60.25</b>			<b>62.15</b>	<b>1.90</b>	<b>3.15%</b>	<b>35.83%</b>
Line Losses on Cost of Power	92	0.0890	8.19	92	0.0890	8.19	0.00	0.00%	4.72%
<b>Sub-Total: Distribution</b>			<b>68.44</b>			<b>70.34</b>	<b>1.90</b>	<b>2.78%</b>	<b>40.54%</b>
Retail Transmission Rate – Network Service Rate	1,092	0.0051	5.57	1,092	0.0051	5.57	0.00	0.00%	3.21%
Retail Transmission Rate – Line and Transformation Connection	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.77%
<b>Sub-Total: Retail Transmission</b>			<b>10.37</b>			<b>10.37</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.98%</b>
<b>Sub-Total: Delivery</b>			<b>78.81</b>			<b>80.71</b>	<b>1.90</b>	<b>2.41%</b>	<b>46.52%</b>
Wholesale Market Service Rate	1,092	0.0034	3.71	1,092	0.0034	3.71	0.00	0.00%	2.14%
Rural Rate Protection Charge	1,092	0.0005	0.55	1,092	0.0005	0.55	0.00	0.00%	0.31%
Ontario Electricity Support Program Charge	1,092	0.0000	0.00	1,092	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%
<b>Sub-Total: Regulatory</b>			<b>4.51</b>			<b>4.51</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.60%</b>
Debt Retirement Charge (DRC)	1,000	0.000	0.00	1,000	0.000	0.00	0.00	N/A	0.00%
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>163.32</b>			<b>165.22</b>	<b>1.90</b>	<b>1.16%</b>	<b>95.24%</b>
<b>HST</b>			<b>0.13</b>		<b>0.13</b>	<b>21.48</b>	<b>0.25</b>	<b>1.16%</b>	<b>12.38%</b>
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>184.55</b>			<b>186.70</b>	<b>2.15</b>	<b>1.16%</b>	<b>107.62%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>			<b>-0.08</b>		<b>-0.08</b>	<b>-13.22</b>	<b>-0.15</b>	<b>-1.16%</b>	<b>-7.62%</b>
<b>Total Amount on Two-Tier RPP</b>			<b>171.49</b>			<b>173.48</b>	<b>1.99</b>	<b>1.16%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - Dgen**

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	0.116	36.76	318	0.116	36.76	0.00	0.00%	9.17%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>36.76</b>			<b>36.76</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.17%</b>
Service Charge	1	192.28	192.28	1	198.96	198.96	6.68	3.47%	49.64%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	10	9.2057	92.06	10	10.0049	100.05	7.99	8.68%	24.96%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10	0	0.00	10	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	318	0.0000	0.00	318	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>284.34</b>			<b>299.01</b>	<b>14.67</b>	<b>5.16%</b>	<b>74.61%</b>
Retail Transmission Rate – Network Service Rate	10	0.9395	9.40	10	0.9395	9.40	0.00	0.00%	2.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.8007	8.01	10	0.8007	8.01	0.00	0.00%	2.00%
<b>Sub-Total: Retail Transmission</b>			<b>17.40</b>			<b>17.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.34%</b>
<b>Sub-Total: Delivery</b>			<b>301.74</b>			<b>316.41</b>	<b>14.67</b>	<b>4.86%</b>	<b>78.95%</b>
Wholesale Market Service Rate	318	0.0034	1.08	318	0.0034	1.08	0.00	0.00%	0.27%
Rural Rate Protection Charge	318	0.0005	0.16	318	0.0005	0.16	0.00	0.00%	0.04%
Ontario Electricity Support Program Charge	318	0.0000	0.00	318	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
<b>Sub-Total: Regulatory</b>			<b>1.49</b>			<b>1.49</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.37%</b>
<b>Debt Retirement Charge (DRC)</b>	300	0.000	<b>0.00</b>	300	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>339.99</b>			<b>354.67</b>	<b>14.67</b>	<b>4.32%</b>	<b>88.50%</b>
HST		0.13	44.20		0.13	46.11	1.91	4.32%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>384.19</b>			<b>400.77</b>	<b>16.58</b>	<b>4.32%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>384.19</b>			<b>400.77</b>	<b>16.58</b>	<b>4.32%</b>	<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - Dgen**

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	0.116	162.74	1,409	0.116	162.74	0.00	0.00%	27.69%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>162.74</b>			<b>162.74</b>	<b>0.00</b>	<b>0.00%</b>	<b>27.69%</b>
Service Charge	1	192.28	192.28	1	198.96	198.96	6.68	3.47%	33.85%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	13	9.2057	119.67	13	10.0049	130.06	10.39	8.68%	22.13%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	13	0	0.00	13	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	1,409	0.0000	0.00	1,409	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>311.95</b>			<b>329.02</b>	<b>17.07</b>	<b>5.47%</b>	<b>55.98%</b>
Retail Transmission Rate – Network Service Rate	13	0.9395	12.21	13	0.9395	12.21	0.00	0.00%	2.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	13	0.8007	10.41	13	0.8007	10.41	0.00	0.00%	1.77%
<b>Sub-Total: Retail Transmission</b>			<b>22.62</b>			<b>22.62</b>	<b>0.00</b>	<b>0.00%</b>	<b>3.85%</b>
<b>Sub-Total: Delivery</b>			<b>334.58</b>			<b>351.65</b>	<b>17.07</b>	<b>5.10%</b>	<b>59.83%</b>
Wholesale Market Service Rate	1,409	0.0034	4.79	1,409	0.0034	4.79	0.00	0.00%	0.82%
Rural Rate Protection Charge	1,409	0.0005	0.70	1,409	0.0005	0.70	0.00	0.00%	0.12%
Ontario Electricity Support Program Charge	1,409	0.0000	0.00	1,409	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
<b>Sub-Total: Regulatory</b>			<b>5.75</b>			<b>5.75</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.98%</b>
<b>Debt Retirement Charge (DRC)</b>	1,328	0.000	<b>0.00</b>	1,328	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>503.06</b>			<b>520.13</b>	<b>17.07</b>	<b>3.39%</b>	<b>88.50%</b>
HST		0.13	65.40		0.13	67.62	2.22	3.39%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>568.46</b>			<b>587.75</b>	<b>19.29</b>	<b>3.39%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>568.46</b>			<b>587.75</b>	<b>19.29</b>	<b>3.39%</b>	<b>100.00%</b>

**2021 Bill Impacts (High Consumption Level) - Dgen**

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	0.116	612.73	5,305	0.116	612.73	0.00	0.00%	27.02%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>612.73</b>			<b>612.73</b>	<b>0.00</b>	<b>0.00%</b>	<b>27.02%</b>
Service Charge	1	192.28	192.28	1	198.96	198.96	6.68	3.47%	8.77%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Smoothing Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	100	9.2057	920.57	100	10.0049	1,000.49	79.92	8.68%	44.11%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	100	0	0.00	100	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	5,305	0.0000	0.00	5,305	0.0000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,112.85</b>			<b>1,199.45</b>	<b>86.60</b>	<b>7.78%</b>	<b>52.88%</b>
Retail Transmission Rate – Network Service Rate	100	0.9395	93.95	100	0.9395	93.95	0.00	0.00%	4.14%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.8007	80.07	100	0.8007	80.07	0.00	0.00%	3.53%
<b>Sub-Total: Retail Transmission</b>			<b>174.02</b>			<b>174.02</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.67%</b>
<b>Sub-Total: Delivery</b>			<b>1,286.87</b>			<b>1,373.47</b>	<b>86.60</b>	<b>6.73%</b>	<b>60.56%</b>
Wholesale Market Service Rate	5,305	0.0034	18.04	5,305	0.0034	18.04	0.00	0.00%	0.80%
Rural Rate Protection Charge	5,305	0.0005	2.65	5,305	0.0005	2.65	0.00	0.00%	0.12%
Ontario Electricity Support Program Charge	5,305	0.0000	0.00	5,305	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
<b>Sub-Total: Regulatory</b>			<b>20.94</b>			<b>20.94</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.92%</b>
<b>Debt Retirement Charge (DRC)</b>	5,000	0.000	<b>0.00</b>	5,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>1,920.54</b>			<b>2,007.14</b>	<b>86.60</b>	<b>4.51%</b>	<b>88.50%</b>
HST		0.13	249.67		0.13	260.93	11.26	4.51%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>2,170.21</b>			<b>2,268.06</b>	<b>97.86</b>	<b>4.51%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>2,170.21</b>			<b>2,268.06</b>	<b>97.86</b>	<b>4.51%</b>	<b>100.00%</b>

**2021 Bill Impacts (Low Consumption Level) - ST**

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	0.116	23,885.40	206,800	0.116	23,885.40	0.00	0.00%	70.82%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>23,885.40</b>			<b>23,885.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>70.82%</b>
Service Charge	1	1206.73	1,206.73	1	1277.48	1,277.48	70.75	5.86%	3.79%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	500	1.3873	693.65	500	1.49100	745.50	51.85	7.47%	2.21%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	500	0	0.00	500	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	206,800	0.0000	0.00	206,800	0	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>1,900.38</b>			<b>2,022.98</b>	<b>122.60</b>	<b>6.45%</b>	<b>6.00%</b>
Retail Transmission Rate – Network Service Rate	500	3.4034	1,701.70	500	3.4034	1,701.70	0.00	0.00%	5.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.8571	1,428.55	500	2.8571	1,428.55	0.00	0.00%	4.24%
<b>Sub-Total: Retail Transmission</b>			<b>3,130.25</b>			<b>3,130.25</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.28%</b>
<b>Sub-Total: Delivery</b>			<b>5,030.63</b>			<b>5,153.23</b>	<b>122.60</b>	<b>2.44%</b>	<b>15.28%</b>
Wholesale Market Service Rate	206,800	0.0034	703.12	206,800	0.0034	703.12	0.00	0.00%	2.08%
Rural Rate Protection Charge	206,800	0.0005	103.40	206,800	0.0005	103.40	0.00	0.00%	0.31%
Ontario Electricity Support Program Charge	206,800	0.0000	0.00	206,800	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>806.77</b>			<b>806.77</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.39%</b>
<b>Debt Retirement Charge (DRC)</b>	200,000	0.000	<b>0.00</b>	200,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>29,722.80</b>			<b>29,845.40</b>	<b>122.60</b>	<b>0.41%</b>	<b>88.50%</b>
<b>HST</b>		0.13	3,863.96		0.13	3,879.90	15.94	0.41%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>33,586.76</b>			<b>33,725.30</b>	<b>138.54</b>	<b>0.41%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>33,586.76</b>			<b>33,725.30</b>	<b>138.54</b>	<b>0.41%</b>	<b>100.00%</b>

**2021 Bill Impacts (Avg Consumption Level) - ST**

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	0.116	191,206.93	1,655,471	0.116	191,206.93	0.00	0.00%	75.91%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>191,206.93</b>			<b>191,206.93</b>	<b>0.00</b>	<b>0.00%</b>	<b>75.91%</b>
Service Charge	1	1206.73	1,206.73	1	1277.48	1,277.48	70.75	5.86%	0.51%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	3,091	1.3873	4,288.14	3,091	1.4910	4,608.68	320.54	7.47%	1.83%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	3,091	0	0.00	3,091	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	1,655,471	0.0000	0.00	1,655,471	0	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>5,494.87</b>			<b>5,886.16</b>	<b>391.29</b>	<b>7.12%</b>	<b>2.34%</b>
Retail Transmission Rate – Network Service Rate	3,091	3.4034	10,519.91	3,091	3.4034	10,519.91	0.00	0.00%	4.18%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,091	2.8571	8,831.30	3,091	2.8571	8,831.30	0.00	0.00%	3.51%
<b>Sub-Total: Retail Transmission</b>			<b>19,351.21</b>			<b>19,351.21</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.68%</b>
<b>Sub-Total: Delivery</b>			<b>24,846.08</b>			<b>25,237.37</b>	<b>391.29</b>	<b>1.57%</b>	<b>10.02%</b>
Wholesale Market Service Rate	1,655,471	0.0034	5,628.60	1,655,471	0.0034	5,628.60	0.00	0.00%	2.23%
Rural Rate Protection Charge	1,655,471	0.0005	827.74	1,655,471	0.0005	827.74	0.00	0.00%	0.33%
Ontario Electricity Support Program Charge	1,655,471	0.0000	0.00	1,655,471	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>6,456.59</b>			<b>6,456.59</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.56%</b>
<b>Debt Retirement Charge (DRC)</b>	1,601,036	0.000	<b>0.00</b>	1,601,036	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>222,509.59</b>			<b>222,900.88</b>	<b>391.29</b>	<b>0.18%</b>	<b>88.50%</b>
HST		0.13	28,926.25		0.13	28,977.11	50.87	0.18%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>251,435.84</b>			<b>251,878.00</b>	<b>442.15</b>	<b>0.18%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>251,435.84</b>			<b>251,878.00</b>	<b>442.15</b>	<b>0.18%</b>	<b>100.00%</b>



**2021 Bill Impacts (High Consumption Level) - ST**

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	0.116	477,708.00	4,136,000	0.116	477,708.00	0.00	0.00%	73.83%
Energy Second Tier (kWh)	0	0.000	0.00	0	0.000	0.00	0.00	N/A	0.00%
<b>Sub-Total: Energy (RPP)</b>			<b>477,708.00</b>			<b>477,708.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>73.83%</b>
Service Charge	1	1206.73	1,206.73	1	1277.48	1,277.48	70.75	5.86%	0.20%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.00	0.00	0.00	N/A	0.00%
Distribution Volumetric Rate	10,000	1.3873	13,873.00	10,000	1.4910	14,910.00	1,037.00	7.47%	2.30%
Volumetric Deferral/Variance Account Rider (including CBR Class B rider)	10,000	0	0.00	10,000	0.0000	0.00	0.00	N/A	0.00%
Volumetric Global Adjustment Account Rider	4,136,000	0.0000	0.00	4,136,000	0	0.00	0.00	N/A	0.00%
<b>Sub-Total: Distribution</b>			<b>15,079.73</b>			<b>16,187.48</b>	<b>1,107.75</b>	<b>7.35%</b>	<b>2.50%</b>
Retail Transmission Rate – Network Service Rate	10,000	3.4034	34,034.00	10,000	3.4034	34,034.00	0.00	0.00%	5.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.8571	28,571.00	10,000	2.8571	28,571.00	0.00	0.00%	4.42%
<b>Sub-Total: Retail Transmission</b>			<b>62,605.00</b>			<b>62,605.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>9.68%</b>
<b>Sub-Total: Delivery</b>			<b>77,684.73</b>			<b>78,792.48</b>	<b>1,107.75</b>	<b>1.43%</b>	<b>12.18%</b>
Wholesale Market Service Rate	4,136,000	0.0034	14,062.40	4,136,000	0.0034	14,062.40	0.00	0.00%	2.17%
Rural Rate Protection Charge	4,136,000	0.0005	2,068.00	4,136,000	0.0005	2,068.00	0.00	0.00%	0.32%
Ontario Electricity Support Program Charge	4,136,000	0.0000	0.00	4,136,000	0.0000	0.00	0.00	N/A	0.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
<b>Sub-Total: Regulatory</b>			<b>16,130.65</b>			<b>16,130.65</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.49%</b>
<b>Debt Retirement Charge (DRC)</b>	4,000,000	0.000	<b>0.00</b>	4,000,000	0.000	<b>0.00</b>	<b>0.00</b>	<b>N/A</b>	<b>0.00%</b>
<b>Total Electricity Charge on Two-Tier RPP (before HST)</b>			<b>571,523.38</b>			<b>572,631.13</b>	<b>1,107.75</b>	<b>0.19%</b>	<b>88.50%</b>
HST		0.13	74,298.04		0.13	74,442.05	144.01	0.19%	11.50%
<b>Total Electricity Charge on Two-Tier RPP (including HST)</b>			<b>645,821.42</b>			<b>647,073.18</b>	<b>1,251.76</b>	<b>0.19%</b>	<b>100.00%</b>
<b>Rebate equal to Ontario portion of HST (8%)</b>		0.00	0.00		0.00	0.00	0.00	N/A	0.00%
<b>Total Amount on Two-Tier RPP</b>			<b>645,821.42</b>			<b>647,073.18</b>	<b>1,251.76</b>	<b>0.19%</b>	<b>100.00%</b>