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BY COURIER

August 4, 2015

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

Dear Ms. Walli,

**EB-2013-0416 – Hydro One Networks 2015, 2016 and 2017 Distribution Rate Application –
Report on Elimination of the Seasonal Class**

In its Decision dated March 12, 2015, the Ontario Energy Board (“OEB”) directed Hydro One Networks Inc. (“Hydro One”) to bring forward a plan for elimination of the Seasonal class by August 4, 2015.

The attached “Hydro One Report on Elimination of the Seasonal Class” provides a plan for eliminating the Seasonal class. The report assesses the impacts of eliminating the Seasonal class, including consideration of the OEB policy to move residential classes to all-fixed rates starting in 2016, which on its own addresses the key issue that drove the need to eliminate the Seasonal class. Where required, the report recommends a credit-based option to mitigate bill impacts for those seasonal customer impacted by more than 10% as a result of eliminating the Seasonal class, as well as proposing appropriate billing and meter reading frequencies for seasonal customers.

In addition to the potential elimination of the Seasonal class, there are a number of significant bill-related changes impacting customers also planned for a January 1, 2016 implementation (i.e. elimination of the Ontario Clean Energy Benefit, elimination of Debt Retirement Charges for residential customers, implementation of the Ontario Energy Support Program, and implementation of 2016 distribution rate changes). As such, Hydro One believes that it is more prudent to begin implementation of the Seasonal elimination at the end of Q1 2016.

The report reflects input received from stakeholders on a number of issues, and also identifies some opportunities for the OEB to consider the costs, benefits and timing of any steps to eliminate the Seasonal class.

Sincerely,

ORIGINAL SIGNED BY IAN MALPASS ON BEHALF OF ODED HUBERT

Oded Hubert

Encl.



Hydro One Report on Elimination of the Seasonal Class

EB-2013-0416

August 04, 2015

1. INTRODUCTION AND SUMMARY OF REPORT

Hydro One Networks Inc. (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.

In the Ontario Energy Board's (the Board's) Decision dated March 12, 2015 on Hydro One's distribution rates proceeding EB-2013-0416, the Board asked Hydro One to bring forward a plan for the elimination of the Seasonal class by August 4, 2015. The Board indicated that the 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. Hydro One was also asked to look at the issues of billing frequency, and meter reading frequency as part of the plan.

As summarized below, this report examines the issues associated with eliminating the Seasonal class and provides a plan for doing so.

Hydro One stakeholdered its proposals for eliminating the Seasonal class, as discussed in *Section 2*. Stakeholders had diverse viewpoints, but they actively participated in the stakeholder session and their input has been taken into consideration in the material and recommendations presented in this report.

Section 3 discusses the consumption patterns for seasonal customers and shows that the elimination of the Seasonal class will result in over 70,000 seasonal customers moving to the R1 class and close to 84,000 customers moving to the R2 class, a very large majority of whom are low-consumption customers.

Hydro One examines the impacts of eliminating the Seasonal class in *Section 4*. The Board's policy to move to an all-fixed rate for residential classes has a significant impact on the plans to eliminate the Seasonal class, as discussed in *Section 4.2*. Detailed analysis, not previously available to the Board, demonstrates that the move to all-fixed rates alone addresses the key concern of some seasonal customers that low consumption customers are not paying their fair share of costs, and also demonstrates that from a customer's perspective, very little incremental benefit is gained by the elimination of the Seasonal class. The elimination of the Seasonal class *combined* with the move to all-fixed distribution delivery residential rates results in only marginal benefits to the 70,000 seasonal customers moving to the R1 class at the expense of very large negative impacts on the 84,000 seasonal customers that would move to the R2 class. As a result, Hydro One respectfully recommends that the Board reconsider the need to eliminate the Seasonal class in light of the new information.

As detailed in *Section 4.3*, if the Seasonal class is to be eliminated, two options for mitigating the bill impacts were considered: 1) move seasonal customers to their target year-round residential class' rates in 2016 and apply a bill credit to mitigate impacts, and 2) phase-in the Seasonal fixed rate to the fixed rate of the target year-round residential class over a number of years to mitigate impacts. The bill credit option is recommended, as it offers a number of benefits, including that it is easier to communicate to customers; the impacts of eliminating Seasonal class will be clearly visible to customers; the credits are targeted to only those low-volume seasonal

customers that need them; it results in the shortest possible mitigation period; and the mitigation costs are shared among all customers.

Hydro One proposes to apply a fixed monthly credit amount based on the consumption range that individual seasonal customers fall within. The credits paid out will be tracked in a variance account for annual disposition across all rate classes via a fixed rider.

Hydro One's plan is not to provide the Rural and Remote Rate Protection (RRRP) credit to Seasonal class customers migrating to the R2 residential class, for the reasons discussed in *Section 5*.

Section 6 of the report presents and assesses options for billing and meter reading frequencies associated with seasonal rate reclassification. The recommended option involves adopting billing and meter reading frequencies based on logical customer usage level and patterns (low, medium, and high), meter reading method (automated vs. manual), and billing method (paper bills vs. electronic bills). The recommended option best balances the criteria of fairness, minimizing the cost of the reclassification, and minimizing overall billing and meter reading costs while meeting customer needs. Importantly, the proposal provides customer choice for those who desire more frequent billing and the greatest opportunity for savings through more environmentally friendly and convenient electronic-billing.

Section 7 identifies areas of Hydro One's Conditions of Service (CoS) that require revision to clarify that seasonal residential customers will continue to be responsible for paying their distribution charges even during extended periods of unoccupancy. There are also a number of administrative changes required in Section 3 of the CoS to split the residential rate classifications into two sub-categories: year round residential and seasonal residential.

As discussed in *Section 8*, there are a number of significant implementation and on-going administrative issues associated with eliminating the Seasonal class, including the need for extensive customer information system (CIS) changes, the need for annual monitoring of formerly Seasonal customer consumption, complexities associated with administering the mitigation credit and customer communication challenges.

A timely decision by the Board on the matters raised in this report is required in order to begin implementing the elimination of the Seasonal class. There are a number of significant bill-related changes impacting customers planned for a January 1, 2016 implementation (i.e. elimination of the Ontario Clean Energy Benefit, elimination of Debt Retirement Charges for residential customers, implementation of the Ontario Energy Support Program, and implementation of 2016 distribution rate changes). Therefore Hydro One recommends the elimination of Seasonal class be implemented at the end of Q1 2016.

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.

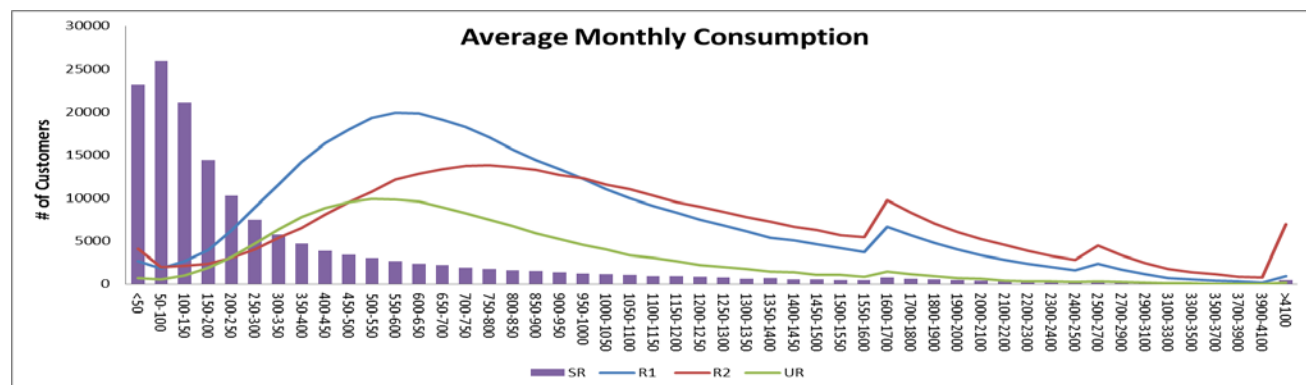
Stakeholders actively participated in the session and provided valuable feedback that has been considered in finalizing this report, including the following key points:

- 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 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

3. BACKGROUND ON THE SEASONAL CLASS

When considering the elimination of the Seasonal class, it is useful to understand the load consumption characteristics of seasonal customers. Figure 1 below provides information on the number of customers at various consumption levels for all of Hydro One's residential classes based on 2014 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 consumptions. In fact, about 46%, or 70,000 seasonal customers, consume less than 150 kWh per month on average across the year.

Figure 1. Average monthly consumption by class.



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

In order to eliminate the Seasonal class, it is necessary to determine into which year-round residential class each seasonal customer will be assigned. Seasonal customers were included as part of the work Hydro One carried out to review the density classifications to which all of its customers were 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.

Based on the density classification review results, Hydro One is able to determine how the approved 2016 forecast of 154,490 seasonal customers will be split between its year-round residential classes as shown in Table 1.

Table 1
Breakout of Seasonal Customers among Residential Classes

Target Class	R2	R1	UR	Total
# of seasonal customers	83,925	70,295	270	154,490

Using the 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
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	800-1200	>1200	Total
Seasonal to R1	9,323	11,398	9,681	6,604	13,430	6,523	4,152	4,810	4,374	70,295
Seasonal to R2	13,685	14,522	11,455	7,745	14,616	6,455	4,073	4,951	6,423	83,925

4. RATE IMPACTS OF ELIMINATING THE SEASONAL CLASS

4.1 COST ALLOCATION AND RATE DESIGN IMPACTS

To understand the impacts of eliminating the Seasonal class on cost allocation and rate design, Hydro One ran two scenarios for 2016.

The first scenario, “Seasonal Status Quo”, is based on a 2016 cost allocation model (CAM) run that incorporates all of the model changes previously approved for 2015 plus updates for all 2016 CAM inputs as approved by the Board (e.g. revenue requirement, fixed assets, load forecast). In this run the Seasonal class remains in place for 2016.

The second scenario, “Seasonal Eliminated”, is based on updating the 2016 Seasonal Status Quo CAM to reflect the elimination of the Seasonal class. 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 the class.

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. To calculate the 2016 CP and NCP inputs assuming no Seasonal class, the actual hourly loads for each consolidated residential class (R1, R2, and UR) for the year 2012 were determined by adding together the hourly loads of seasonal customers mapped to that class and the hourly loads of customers who were already in that class. The 2012 hourly load for each consolidated class was then used as the base to forecast hourly load over the 2016-2017 forecast period taking into account the load growth and weather sensitivity of each class, consistent with the process approved by the Board for establishing Hydro One’s load forecast in proceeding EB-2013-0416. 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.

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 CAM results for both scenarios is provided in Table 3.

Table 3
2016 CAM Results for Seasonal Status Quo and Seasonal Eliminated Scenarios

Rate Class	UR	R1	R2	Seas	GSe	GSd	UGe	UGd	StLg	SnLg	USL	DG	ST	Total
Seasonal Status Quo														
Revenue at current rates (\$M)	94.9	316.5	481.0	107.4	151.7	119.2	18.8	25.2	10.9	6.8	3.4	2.6	44.4	1,382.9
Escalated Revenue (\$M)	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	1,480.3
Cost (\$M)	80.5	285.0	557.4	110.8	160.1	148.4	22.6	31.1	13.2	7.7	2.9	6.6	54.0	1,480.3
R/C	1.26	1.19	0.92	1.04	1.01	0.86	0.89	0.87	0.88	0.90	1.23	0.43	0.88	1.00
Seasonal Eliminated														
Revenue at current rates (\$M)	95.0	348.9	565.5	-	151.8	119.2	18.8	25.2	10.9	6.8	3.4	2.6	44.4	1,392.5
Escalated Revenue (\$M)	100.9	370.8	601.3	-	161.4	126.8	20.0	26.8	11.6	7.0	3.6	2.8	47.2	1,480.3
Cost (\$M)	80.2	313.1	629.7	-	162.8	154.7	23.1	32.3	13.2	7.7	2.9	6.6	53.9	1,480.3
R/C	1.26	1.18	0.95	-	0.99	0.82	0.87	0.83	0.88	0.90	1.22	0.43	0.88	1.0

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 3, the elimination of the

Seasonal class results in an additional \$10M in total revenue being generated, which means that the uniform increase to the revenue to be collected for each class required to match the 2016 approved costs is only 6.5% under the Seasonal Eliminated scenario, as compared to 7.3% 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 reduction of 0.8% in the revenue to be collected from all other classes.

Table 3 also shows that the net impact on revenues and costs by class as a result of eliminating the Seasonal class has only a minor impact on the revenue-to-cost (R/C) ratio for most classes. The exceptions are the R2, GSd and UGd classes, which show somewhat larger impacts to the revenue-to-cost (R/C) ratio.

The increase in the R2 R/C is due to the additional revenues generated by the seasonal customers paying R2 rates, which more than make up for the costs allocated to those customers by the CAM. The decrease in the R/C ratio of the GSd and UGd classes is largely due to the minimum system and PLCC adjustment methodology in the CAM used 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 demand billed classes.¹

The outputs of the CAM provide the basis for rate design. Details of the rate design for both the Seasonal Status Quo and Seasonal Eliminated scenarios are provided in Appendix D. Under both scenarios the 2016 rate design makes adjustments to the R/C ratios for the UR, R1 and USL classes that are above the target value of 1.10 approved by the Board for Hydro One in proceeding EB-2013-0416. The 2016 R/C ratios for these three classes are uniformly phased-in so as to achieve the target value of 1.10 in 2017. The approach for balancing the revenue requirement shifted away from these three classes to Hydro One's other classes follows the approach approved by the Board for setting 2015 rates.

To better 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 4 shows that under the Seasonal Status Quo, the average revenue per customer for the Seasonal and R1 classes is essentially the same at about \$740 per customer. With the elimination of the Seasonal class, the average revenue per customer drops only slightly to \$702 for seasonal customers moving to the R1 class, but increases by 94% to \$1,446 for those seasonal customers moving to the R2 class.

¹ The PLCC adjustment impacts the 4&12 CP&NCP allocators, and particularly the Line Transformer 4 NCP (LTNCP4) allocator. The higher allocators for the GSd and UGd 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.

Table 4
Comparison of 2016 Annual Revenue Per Customer for Residential Classes

Rate class	Seasonal Status Quo			Seasonal Eliminated		
	Revenue to be collected (\$M)	# of Customers	Revenue per customer (\$)	Revenue to be collected (\$M)	# of Customers	Revenue per customer (\$)
UR	95.0	211,691	449	94.6	211,961	446
R1	326.1	439,437	742	357.9	509,732	702
R2	517.6	331,826	1,560	601.3	415,751	1,446
Seasonal	115.1	154,490	745	-	-	-

The fixed and variable rates resulting from the rate design process under both CAM scenarios are summarized in Table 5, which also includes the equivalent *all-fixed rate* applicable for each residential class for use later in this report.

Table 5
2016 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)	All-Fixed Rate (\$/month)	Fixed Rate (\$/month)	Variable Rate (\$/kWh or \$/kW)	All-Fixed Rate (\$/month)
UR	19.07	0.0208	35.62	19.07	0.0206	35.39
R1	26.03	0.0350	59.42	26.03	0.0347	56.19
R2	65.52	0.0500	125.87	65.52	0.0493	116.82
Seasonal	28.62	0.0878	60.28	-	-	-
GSe	28.33	0.0571		28.13	0.0566	
GSd	85.97	15.1661		87.58	15.4490	
UGe	22.51	0.0254		22.48	0.0254	
UGd	89.80	8.6626		91.26	8.8033	
St Lght	4.33	0.0933		4.23	0.0911	
Sen Lght	2.66	0.1165		2.53	0.1108	
USL	37.53	0.0309		37.38	0.0308	
Dgen	120.01	5.9510		120.07	5.9510	
ST	938.63	1.2992		916.72	1.2688	

Table 6 provides the 2016 total bill impacts (assuming no mitigation) on customers at low, typical and high consumption levels across all rate classes under the Seasonal Status Quo and Seasonal Eliminated scenarios. The calculation of bill impacts is based on the Board's bill impact calculation templates, which are provided in Appendix E and F for the two CAM scenarios.

Table 6 shows that the elimination of the Seasonal class provides a slight benefit for most classes, for the reason previously discussed. There is a slight negative impact on the total bill impacts for GSd and UGd classes as a result of the additional revenue that needs to be collected from these classes due to their lower R/C ratios.

The biggest impact of eliminating the Seasonal class is on the seasonal customers themselves. While there is a notable decrease in bill impacts for those seasonal customers moving to the R1 class (**seasonal-R1**), as well as those 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**).

Table 6
Bill Impacts Under Seasonal Status Quo and Seasonal Eliminated Scenarios

Rate Class	Monthly Consumption (kWh)	2015 Total Bill (\$)	2016 Seasonal Status Quo Change in Total Bill		2016 Seasonal Eliminated Change in Total Bill	
			(\$)	(%)	(\$)	(%)
UR	100	37.17	-0.37	-1.0	-0.40	-1.1
	800	146.99	-0.37	-0.2	-0.61	-0.4
	2,000	335.27	-0.37	-0.1	-0.99	-0.3
R1	100	45.82	-0.19	-0.4	-0.25	-0.6
	800	165.70	1.39	0.8	0.88	0.5
	2,000	371.22	4.10	1.1	2.84	0.8
R2	100	55.90	0.13	0.2	0.07	0.1
	800	184.47	5.85	3.2	5.29	2.9
	2,000	404.87	15.67	3.9	14.25	3.5
Seasonal-UR	50	42.22	0.17	0.4	-13.28	-31.4
	400	118.34	4.27	3.6	-34.59	-29.2
	1,000	248.83	11.31	4.5	-71.14	-28.6
Seasonal-R1	50	42.22	0.17	0.4	-5.30	-12.6
	400	118.34	4.27	3.6	-20.91	-17.7
	1,000	248.83	11.31	4.5	-47.67	-19.2
Seasonal-R2	50	42.22	0.17	0.4	36.23	85.8
	400	118.34	4.27	3.6	27.01	22.8
	1,000	248.83	11.31	4.5	11.19	4.5
GSe	1,000	221.19	5.49	2.5	4.89	2.2
	2,000	413.40	9.36	2.3	8.36	2.0
	15,000	3,168.38	64.75	2.0	58.10	1.8
UGe	1,000	180.42	4.82	2.7	4.89	2.7
	2,000	338.40	7.46	2.2	7.64	2.3
	15,000	2,602.82	45.26	1.7	47.08	1.8
GSd	15,000/60	3,068.46	161.27	5.3	184.80	6.0
	35,000/120	6,687.00	310.77	4.6	356.00	5.3
	175,000/500	31,303.62	1,257.60	4.0	1,440.28	4.6
UGd	15,000/60	2,712.78	97.76	3.6	111.09	4.1
	35,000/120	5,965.11	183.69	3.1	208.69	3.5
	175,000/500	28,245.90	727.91	2.6	826.85	2.9
St Lgt	100	25.56	1.34	5.2	1.00	3.9
	500	110.12	5.50	5.0	4.16	3.8
	2,000	450.58	20.70	4.6	16.00	3.6
Sen Lgt	20	7.51	0.40	5.4	0.15	2.0
	50	14.50	0.78	5.4	0.35	2.4
	200	49.41	2.67	5.4	1.35	2.7
USL	100	54.47	0.29	0.5	0.13	0.2
	500	117.56	0.38	0.3	0.22	0.2
	1,000	201.98	0.49	0.2	0.33	0.2
DGen	300/10	204.76	50.36	24.6	50.53	24.7
	2,000/20	499.32	50.90	10.2	51.18	10.2
	5,000/100	1,504.91	55.28	3.7	56.33	3.7
ST	200,000/500	30,487.30	33.29	0.1	93.46	0.3
	500,000/1,000	72,158.30	-16.26	0.0	63.63	0.1
	4,000,000/10,000	585,873.47	-908.17	-0.2	-473.35	-0.1

4.2 MOVING TO “ALL-FIXED” RATES FOR RESIDENTIAL CLASSES

The Board issued a new policy on April 2, 2015 under proceeding EB-2012-0410 requiring that all utilities move to an “all-fixed” distribution rate for residential classes starting in 2016. Implementation details of the policy have since been approved in a letter to all electricity distributors dated July 16, 2015.

Board direction is to move residential classes to an all-fixed rate over 4 years, which is intended to keep bill increases to less than \$4 per month in any given year. However, the Board will consider a utility’s request for exception to the 4-year transition period if it is necessary to limit customer bill impacts. In Hydro One’s case, it is likely that a period of at least 8 years will be required to maintain impacts at an acceptable level for the transition to an all-fixed rate for its R2 class.

The policy regarding the move to an all-fixed rate for residential customers came out after the Board’s Decision in Hydro One’s EB-2013-0416 proceeding. As such, the bill impact on customers moving to an all-fixed rate was 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 an all-fixed rate was not evaluated.

Information is provided below, for the Board’s consideration, on the impact to seasonal customers of implementing both the elimination of the Seasonal class and moving all residential customers to an all-fixed rate.

Table 7 provides a comparison between the unmitigated impacts on seasonal customers of moving to an all-fixed rate assuming the Seasonal class was not eliminated *versus* the unmitigated impacts on seasonal customers of both eliminating the Seasonal class *and* moving to all-fixed rates for the residential classes.

Table 7
Comparison Between Moving Seasonal Class to All-Fixed Rates versus
Eliminating Seasonal class and Moving to Residential Classes with All-Fixed Rates

Monthly kWh	2015 Seasonal Status Quo	2016 Seasonal Status Quo		2016 Seasonal Eliminated					
		All-Fixed Rate		R2 All-Fixed		R1 All-Fixed		UR All-Fixed	
	Total Bill (\$)	Total Bill (\$)	Change (%)	Total Bill (\$)	Change (%)	Total Bill (\$)	Change (%)	Total Bill (\$)	Change (%)
50	42.22	70.12	66	128.11	203	65.83	56	44.49	5
400	118.34	119.09	1	177.46	50	113.99	-4	94.14	-20
1,000	248.83	203.05	-18	262.06	5	196.55	-21	178.79	-28

Two key items are worth highlighting in the results shown in Table 7:

- Seasonal customers moving to all-fixed R1 rates will see little benefit from the elimination of the Seasonal class
 - Seasonal customers moving to an all-fixed Seasonal rate will see impacts comparable to those they would experience if they moved to the R1 class with an all-fixed rate.
 - Low consumption seasonal customers will see a 2016 monthly bill of \$70 if the Seasonal class is not eliminated as compared to a monthly bill of \$66 if they move to the R1 class with an all-fixed rate – only a \$4 difference.
 - High consumption seasonal customers will see a 2016 monthly bill of \$203 if the Seasonal class is not eliminated as compared to a monthly bill of \$197 if they move to the R1 class with an all-fixed rate – only a \$6 difference.
- Seasonal customers moving to all-fixed R2 rates will see large unfavourable impacts from the elimination of the Seasonal class
 - Seasonal customers moving to an all-fixed Seasonal rate will see much lower impacts as compared to the impacts they would experience if they are among the customers moving to the R2 class with an all-fixed rate.
 - Low consumption seasonal customers will see a 66% increase in total bill if the Seasonal class is not eliminated, while their bill impact increases to 203% if they move to the R2 class with an all-fixed rate. That means their 2015 monthly bill of \$42 will go to \$70 with the move to an all-fixed Seasonal rate, while it will jump to \$128 if the Seasonal class is eliminated.
 - High consumption seasonal customers moving to an all-fixed Seasonal rate will see a bill reduction of around 18% as compared to a bill increase of around 5% if the Seasonal class is eliminated.

From a customer perspective, the elimination of the Seasonal class *combined* with the move to all-fixed residential rates results in only marginal benefits to the 70,000 seasonal-R1 customers at the expense of very large unfavourable impacts to all of the 84,000 seasonal-R2 customers. During stakeholdering it was 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 and the possibility of customers choosing to disconnect from the grid. While there are notable benefits to seasonal customers that would move to the UR class with the elimination of the Seasonal class, this would benefit less than 270 of the 155,000 seasonal customers.

The reason that the elimination of the Seasonal class results in only marginal benefits to the seasonal-R1 customers is that currently, the average annual revenue per customer collected from the R1 class is very close to the revenue per customer collected from the Seasonal class (as shown in Table 4). The costs allocated to the Seasonal class are relatively low because the load consumption of all seasonal customers *as a group*, combined with the impact of the minimum system and PLCC adjustments built into the CAM, results in fewer costs being allocated to a stand-alone Seasonal class.

The Board noted on page 48 of its Decision in Hydro One's EB-2013-0146 proceeding that one of the key issues for intervenors was that low consumption seasonal customers are not paying the full costs of the service they receive. As shown in Table 7, the move to an all-fixed rate for the Seasonal class addresses this concern. Low consumption (50 kWh monthly) seasonal customers would see an increase in their bill of 66%, while high volume seasonal customers would see an 18% reduction in their total bill.

While there is some cross-subsidization of density-based costs within the Seasonal class, as there is within all customer classes, Hydro One notes that the density factors currently used in its CAM to allocate costs to the Seasonal class do take into account that seasonal customers are located in both low and medium density areas. Therefore, as a group, the Seasonal class pays its fair share of density-based costs.

The elimination of the Seasonal class will require significant time and resources related to the initial implementation of the rate class changes, the funding of mitigation credits, the ongoing monitoring required for administering mitigation credits and RRRP eligibility, and the need for further regulatory filings related to billing code compliance.

In summary, Hydro One urges the Board to reconsider the need to eliminate the Seasonal class in light of the following:

- The Board policy on moving to an all-fixed rate was not finalized at the time the Board made its Decision in Hydro One's proceeding (EB-2013-0416), and the impact of adopting this policy on seasonal customers was not explored during the proceeding;
- the Board policy to move to an all-fixed rate addresses the key issue raised by intervenors regarding the disparity in costs paid by low and high consumption seasonal customers;
- the existing Seasonal class pays its fair share of density-based costs;
- the existing Seasonal class has distinctly different load characteristics from year round residential customers;
- there are significant implementation and ongoing administrative issues associated with eliminating the Seasonal class, and most importantly;
- the elimination of the Seasonal class *combined* with the move to all-fixed residential rates, as compared to just moving to Seasonal all-fixed rates, results in only minimal benefits for 46% of seasonal customers while resulting in significant unfavourable impacts on 54% of seasonal customers.

4.3 MITIGATION OF BILL IMPACTS

The bill impacts shown in sections 4.1 and 4.2 clearly indicate that some form of mitigation is required for seasonal customers moving to the R2 class if the Seasonal class is eliminated. Two options are considered based on Hydro One's prior experience with mitigating large impacts as a result of customers moving between classes.

The 1st option considered is a credit-based approach for mitigating impacts. Under this option, seasonal customers will move to the full R2 class rates (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 2016 (e.g. approved 2016 revenue requirement and revenue-to-cost ratio adjustments) as well as the elimination of the Seasonal class. A credit-based approach is what the Board approved 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.

The 2nd 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 fixed charge as other R2 customers over a number of years to limit the bill impacts to 10%. 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.

4.3.1 Option 1: "Mitigating Impacts Via Credits"

Determining the Required Credits to Seasonal-R2 Customers

Under this option, the 2015 Seasonal class fixed and variable rates of \$28.62/month and \$0.0764/kWh, respectively, would move to the R2 class fixed and variable rates of \$65.52/month and \$0.0493/kWh, as calculated in the Seasonal Eliminated rate design sheet provided at Appendix E. A mitigation credit would then be applied to seasonal-R2 customers' bills to limit the impacts to a 10% increase over their average 2015 total bill. Per the Board Decision in Hydro One's EB-2013-0416 proceeding, as discussed in Section 5 of this report, seasonal-R2 customers would not receive the monthly RRRP credit of \$31.50 that applies to year-round residential customers in the R2 class.

Table 8 provides the total bill impacts and required bill credits at varying levels of consumption for seasonal-R2 customers.

Table 8
2016 Bill Impacts and Credits Required to Mitigate Seasonal-R2 Impacts

Monthly kWh	2015 Total Bill (\$)	2016 Total Bill (\$)	Change 2015 to 2016 (\$)	Change 2015 to 2016 (%)	2016 Mitigated Bill (2015 + 10%) (\$)	Bill Credit to Limit Impact to 10% (\$)
50	42.22	78.45	36.23	85.8	46.44	32.01
100	53.09	88.00	34.91	65.8	58.40	29.60
150	63.97	97.56	33.59	52.5	70.36	27.20
200	74.84	107.12	32.28	43.1	82.33	24.79
300	96.59	126.23	29.64	30.7	106.25	19.98
400	118.34	145.35	27.01	22.8	130.17	15.17
500	140.09	164.46	24.37	17.4	154.10	10.36
600	161.84	183.57	21.73	13.4	178.02	5.55
700	183.59	202.69	19.10	10.4	201.95	0.74
800	205.34	221.80	16.46	8.0	225.87	0.00

The results in Table 8 assume *only* the elimination of the Seasonal class. However, implementation of the Board's policy to migrate all residential classes to an all-fixed rate will also begin in 2016. Stakeholders identified the need to understand the combined impacts of both changes.

It will not be possible to implement the move to all-fixed rates for the R2 class within the 4 year time frame specified by the Board in its policy paper. For the purpose of this report, it is assumed that an 8-year phase-in of the move to all-fixed R2 rates will be necessary. Should the 8-year phase-in period change, the methodology proposed for Option 1 would remain the same although the magnitude and duration of the mitigation credits would change.

The phase-in to an all-fixed R2 rate would mean that the applicable 2016 R2 fixed rate would be \$71.93² and the variable rate required to fully recover the revenue requirement to be collected from the R2 class would be 0.0431 \$/kWh. The 2016 total bill impacts and mitigation credits required due to both eliminating the Seasonal class and moving to the first year of phased-in R2 rates are provided in Table 9.

Table 9
Impacts and Mitigation Credits Required if Elimination of Seasonal Class is Combined with Move to R2 All-Fixed Rate

Monthly kWh	2015 Total Bill (\$)	2016 Total Bill (\$)	Change 2015 to 2016 (\$)	Change 2015 to 2016 (%)	2016 Mitigated Bill (2015 + 10%) (\$)	Bill Credit to Limit Impact to 10% (\$)
50	42.22	84.65	42.43	100.5	46.44	38.21
100	53.09	93.89	40.80	76.8	58.40	35.49
150	63.97	103.13	39.17	61.2	70.36	32.77
200	74.84	112.38	37.53	50.2	82.33	30.05
300	96.59	130.86	34.27	35.5	106.25	24.61
400	118.34	149.34	31.00	26.2	130.17	19.17
500	140.09	167.82	27.74	19.8	154.10	13.73
600	161.84	186.31	24.47	15.1	178.02	8.29
700	183.59	204.79	21.20	11.6	201.95	2.85
800	205.34	223.27	17.94	8.7	225.87	0.00

A comparison of the results in Tables 8 and 9 shows that there would be a significant increase in the 2016 credit amounts required to mitigate the impact on seasonal-R2 customers as a result of moving to all-fixed R2 rates.

Table 10 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

² 1/8th of the way from the current \$65.52 fixed charge to an all-fixed charge of \$116.82

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 2021 and credits would be required until 2027. It is estimated that a total of \$185M in credits would be paid out over the full mitigation period.

Table 10
Estimated Credits Required to Limit Bill Impacts to 10% if Phasing-in Seasonal-R2 Rates to All-Fixed

Year	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 (\$)	
2016	39.57	36.85	34.13	31.41	27.33	21.89	16.45	11.01	5.57	-	26.2
2017	41.89	37.67	33.44	29.21	22.87	14.42	5.96	-	-	-	24.5
2018	43.81	37.95	32.09	26.23	17.45	5.73	-	-	-	-	23.0
2019	45.27	37.65	30.03	22.41	10.98	-	-	-	-	-	21.4
2020	46.26	36.73	27.21	17.69	3.40	-	-	-	-	-	19.8
2021	46.70	35.11	23.52	11.93	-	-	-	-	-	-	18.1
2022	46.55	32.72	18.89	5.07	-	-	-	-	-	-	16.4
2023	45.74	29.48	13.22	-	-	-	-	-	-	-	14.5
2024	37.86	19.27	0.68	-	-	-	-	-	-	-	9.7
2025	29.19	8.03	-	-	-	-	-	-	-	-	6.2
2026	19.65	-	-	-	-	-	-	-	-	-	3.2
2027	9.15	-	-	-	-	-	-	-	-	-	1.5
Total											184.5

The magnitude of the credits does not change substantially across small consumption ranges. As such, Hydro One proposes to apply a fixed credit amount for all seasonal customers within the consumption bands shown in Table 10. Hydro One proposes that 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. Use of the prior year's consumption is necessary to allow for implementation and 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.

Hydro One believes that an approach based on a pre-defined credit amount tied to a narrow consumption band will ensure customers receive an appropriate credit amount, will be easier to communicate to customers and will minimize the cost and complexities associated with administering the credits. A pre-defined credit approach is also 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.

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 approaches for disposing of the credit cost.

The first approach 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 their former class customers seeing more than 10% impacts as a result of the elimination of the Seasonal class.

The amount of the debit that would be applied to formerly seasonal customers is based on calculating the “maximum” debit that could be levied if they saw a 10% bill impact, and then uniformly scaling the “maximum” amount across all consumption ranges so that the debits would match the credits paid out. This approach would be complex to administer as it would involve establishing specific debit amounts for various consumption ranges.

Many participants at the June 10th stakeholder session 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 rationale for doing so is that all classes benefit from the reduction in the increase required to their revenue at current rates as a result of eliminating the Seasonal class, as discussed in Section 4.1.

Under this approach, Hydro One would propose that the amount of credits paid to seasonal-R2 customer be tracked in a variance account for disposition as part of the annual rates-setting process under either a Custom IR or an IRM application, beginning with the setting of 2017 rates.

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 11 shows the monthly fixed rider by rate class that would be required to clear the estimated 2016 credit variance account balance.

Table 11
Estimated Monthly Fixed Rider by Rate Class for 2016

Rate Class	Number of Customers	Rates Rev Requirement (\$M)	Credit Variance Account Share (\$M)	Fixed Rate Rider (\$/month)
UR	211,961	96.4	1.8	0.69
R1	509,732	356.9	6.5	1.07
R2	415,751	582.8	10.7	2.14
GSe	93,788	156.7	2.9	2.55
GSd	6,196	124.2	2.3	30.63
UGe	17,808	19.4	0.4	1.66
UGd	1,907	26.4	0.5	21.16
St Lgt	4,927	11.3	0.2	3.49
Sen Lgt	29,840	3.3	0.1	0.17
USL	5,691	3.5	0.1	0.94
DGen	1,289	2.7	0.0	3.18
ST	816	46.2	0.8	86.55
Total	1,299,705	1,429.6	26.2	

Pros and Cons of Option 1

There are a number of benefits associated with 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 impacts of eliminating the Seasonal class will be clearly visible to customers since they will see the increase in the delivery line of their bill as a result of eliminating the Seasonal class as well as the credit that is being applied to their bill to mitigate the impacts of higher delivery charges;
- the credits are targeted to *only* those seasonal-R2 customers that need them;
- it results in the shortest possible mitigation period by maintaining the 10% impacts until seasonal-R2 customer are paying their full R2 costs;
- the phase-in costs are shared among all customers, as recommended by stakeholders.

One drawback associated with this option is that there are some complexities with initial implementation and ongoing administration of the credits on customers' bills, including annual consumption monitoring.

4.3.2 Option 2: Phase-in of Rates Approach

Under this option, the current monthly fixed charge of \$28.62 that seasonal customers pay will be uniformly increased to the current R2 monthly fixed charge of \$65.52 over a number of years to limit the total bill impacts for low consumption seasonal customers to 10%. During the phase-in of the fixed charge, the variable rate for all customers in the new R2 class would be set to recover the balance of the revenue requirement attributable to the R2 class. 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 8 years will be required to phase-in the move from current seasonal rates to 2016 R2 rates, while limiting bill impacts to less than 10%. The rates payable by seasonal-R2 customers in 2016 will be a monthly fixed charge of \$33.23³ and a variable rate of \$0.0556/kWh. The resulting total bill impacts for Option 2 are provided in Table 12, which shows that the total bill impact on low consumption customers is limited to 8.8%.

Table 12
Impacts on Seasonal-R2 Customers Under Option 2

kWh	2015 Total Bill (\$)	2016 Total Bill (\$)	Change 15 to 16 (\$)	Change (%)
50	42.22	45.93	3.71	8.8
400	118.34	115.07	-3.27	-2.8
800	205.34	194.09	-11.25	-5.5

This option did not receive much support from stakeholders as it puts the burden associated with phasing-in the seasonal-R2 rates completely on the year-round residential R2 customers as a result of the increased variable rates. Table 12 also shows that limiting the impacts to 10% for low consumption customers under this option results in significantly reduced bill impacts for higher consumption customers (e.g. customers at 800 kWh would see a 5.5% bill reduction). While the reduced impact at higher consumption ranges may be desirable for some seasonal-R2 customers, it results in a longer phase-in period during which all other R2 customers continue to pay higher variable rates.

Given the lack of support among stakeholders for this option, Hydro One did not evaluate the combined impact of phasing-in the seasonal-R2 fixed charge, while at the same time phasing-in the R2 rates to an all-fixed charge. Directionally however, it is clear that having to move the Seasonal fixed charge of \$28.62 to an all-fixed R2 charge of \$116.82 (as opposed to \$65.52) would nearly double the phase-in period required under this option. The fact that this option would require the simultaneous phasing-in of two fixed rates (i.e. Seasonal to R2, and R2 to all-fixed R2) would increase the mitigation burden on the year-round residential R2 customers and also make it much more difficult to communicate to customers.

4.4 RECOMMENDATIONS

Section 4.2 of the report clearly shows that the Board policy of moving to an all-fixed rate for residential classes would *achieve similar benefits* for the 70,000 seasonal customers that would move to the R1 class as a result of eliminating the Seasonal class, while *avoiding the very large negative impacts* on the 84,000 seasonal customers that would move to the R2 class if the Seasonal class is eliminated.

³ 1/8th of the way from \$28.62 to \$65.52.

From a customer perspective, the concerns raised during Hydro One's EB-2013-0416 proceeding are largely addressed by the Board's policy of moving to an all-fixed rate. In light of the information provided in Section 4.2, Hydro One recommends the Board reconsider the need to eliminate the Seasonal class.

If the Seasonal class is to be eliminated, Hydro One recommends the following 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 2016 while providing a monthly credit to limit seasonal-R2 total bill impacts to 10% 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 using recovery from all classes.
- Allocate the credit variance account balance across all classes based on the class share of total revenue requirement for disposition via a monthly fixed charge rider for each class.

5. RRRP ELIGIBILITY

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 a rate 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, specifically, those customers who live at a residence that is not occupied continuously for at least eight months of the year.

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 its Distribution proceeding EB-2013-0416 Hydro One had proposed to move a subset of high-volume seasonal customers to the R1 and R2 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 the Board noted in its 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.”

Hydro One expects that any seasonal customer that met the year-round residential criteria would have already completed the required declaration form. As such, Hydro One believes that all customers currently in the Seasonal class are not eligible for the RRRP subsidy when they move to the R2 residential class.

As part of implementing the elimination of the Seasonal class, Hydro One proposes to identify all new entrants to the residential classes that do not meet the year-round residency criteria. By default, Hydro One will assume that existing seasonal customers do not qualify for the RRRP. However, Hydro One will also use the opportunity occasioned by the elimination of the Seasonal class to remind all seasonal customers of Hydro One’s 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 year-round residential, all of 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.

6. METER READING AND BILLING IMPACTS OF ELIMINATING SEASONAL CLASS

In the Board's EB-2013-0146 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 to address the Board's request and recommends a proposal that is fair, meets customer needs, and minimizes costs.

6.1 BACKGROUND

Meter reading

Historically, 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 May 2015, approximately 24% of seasonal meters were read manually and 76% 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 \$31/per read, and higher to perform an unscheduled manual reading.

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 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.

This issue has already been recognized by the Board through the granting of a TOU exemption for 170,000 customers which came into effect on March 26, 2015 and is in place until December 31, 2019.

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 \$2.00 per bill which includes paper stock, envelopes, handling, and postage. The cost of issuing an e-bill is significantly lower at approximately \$0.30 per bill and provides distinct advantages over paper-based bills including convenience (reducing household clutter through long term e-bill storage and retrieval) and reducing environmental impact (the elimination of paper, ink and delivery related vehicle emissions). Today, Hydro One employs Canada Post's "epost" for electronic billing, requiring customers to separately enroll with Canada Post for the service. Over the next two years, however, Hydro One is implementing its own e-billing service through the My Account web page. The new service will eliminate the need for customers to enroll with a separate vendor

(identified as a customer dissatisfier), and increase customer choice through the provision of several enhanced capabilities including bill notification and payment alerts, mobile e-bill presentation, and electronic bill inserts.

6.2 BILLING AND METER READING OPTIONS

Three billing and meter reading frequency options were identified and assessed based on the criteria of meeting the OEB direction, fairness, minimizing the costs of the reclassification, and minimizing the overall costs of billing and meter reading while meeting customer needs. These options are presented and assessed below.

Option A: Maintain Existing Seasonal Billing and Meter Reading Frequencies

Option A would involve maintaining the status quo for meter reading and for 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 13.

Table 13
Advantages and Disadvantages of Option A

Option A: Maintain Existing Seasonal Billing and Meter Reading Frequencies	
Change in Billing and Meter Reading Costs: \$0	
Advantages	Disadvantages
<ul style="list-style-type: none"> • Maintains current seasonal bill and meter reading frequencies which have not been identified as significant dissatisfiers by customers • Minimizes customer disruption of moving to different meter and billing frequencies • Maintains billing and meter reading costs at current levels • Provides customers with options where the estimates are an issue. 	<ul style="list-style-type: none"> • Seasonal customers with similar usage characteristics to year round residential customers are treated differently with respect to billing and meter reading frequencies • Difficult to rationalize and communicate different levels of meter reading and billing frequency to customers. • Would require an OEB-granted exemption from monthly billing and to use estimated reads, as these would no longer be “Seasonal class” customers.

Option B: Adopt Residential Billing and Meter Reading Frequencies

Option B would involve adopting 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 14.

Table 14
Advantages and Disadvantages of Option B

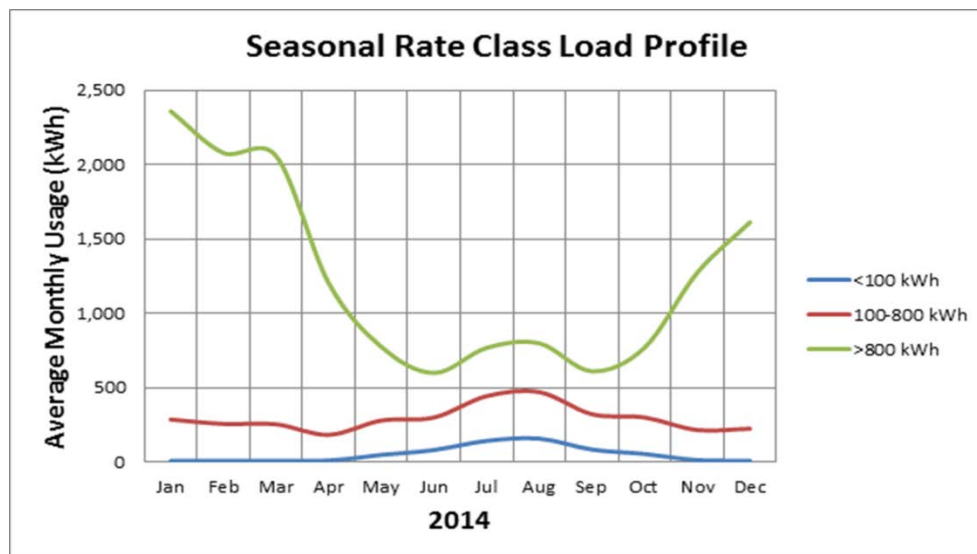
Option B: Adopt Residential Billing and Meter Reading Frequencies	
Change in Billing and Meter Reading Costs: \$ Increase ~ \$3.7M	
Advantages	Disadvantages
<ul style="list-style-type: none"> • High consumption seasonal customers likely to view increased billing and meter reading frequencies as a positive given alignment with their residential usage • All customers within the residential class (who pay the same delivery rates) are provided with the same level of billing and meter reading frequency. 	<ul style="list-style-type: none"> • 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. • Significant increase in unplanned estimated bills due to accessibility issues of many seasonal meters during the winter and early spring months • Billing and meter reading costs would increase significantly (billing costs by 150% and meter reading costs by 300%) • Increases in call and exception handling costs as bill volume is a key driver of exception handling

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

Option C would involve adopting 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 rate 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



Note: Top line is high usage, middle line is medium usage and bottom line is low usage sub-segments.

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)

There are approximately 18,000 customers in the high usage sub-segment representing approximately 12% of seasonal customers. Annual electricity consumption for these customers is the same as 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 2,000 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 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 \$200k and the savings associated with electronic billing, depending on uptake, is up to \$70k.

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

There are approximately 68,000 medium usage customers representing 45% of the seasonal rate class. 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 6,000 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 \$273K.

3) Seasonal Low Usage Segment Scenario

There are approximately 65,000 low usage customers representing approximately 43% of the seasonal rate class. In this sub-segment, 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 160 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 250 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 28,000 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:

- 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 attempts 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 \$112k and the incremental savings of electronic billing, depending on uptake, is up to approximately \$163k. The key advantages and disadvantages of Option C are summarized in Table 15.

Table 15
Advantages and Disadvantages of Option C

Option C: Usage Based Meter Reading and Billing Frequencies	
Change in Billing and Meter Reading Costs (Savings): (~\$500k) depending on e-billing Uptake	
Advantages	Disadvantages
<ul style="list-style-type: none"> • Enhances customer service by providing the opportunity for more frequent billing for both manually and automatically read customers • Increases meter reading frequency for manually read high use customers with load profiles similar to residential class, better aligning usage and billing. • Reduces overall billing and meter reading costs by up to approximately \$506K depending on electronic billing uptake. • Encourages use of more environmentally friendly and low cost electronic billing. • Maintains the status quo for billing and meter reading frequencies for most customers even without the move to electronic billing. • Recognizes the different wants and needs of sub-segments of the seasonal customer group. 	<ul style="list-style-type: none"> • Reduces paper-based billing frequency to low use customers. • Upon reclassification, provides different levels of billing and meter reading service between customers in the same class paying the same delivery rate. • Requires customer action (i.e., enrolling in e-billing) to increase billing frequency. • Would require an OEB-granted exemption from monthly billing and to use estimated reads, as these would no longer be “Seasonal class” customers.

6.3 SUMMARY OF BILLING AND METER READING FREQUENCY OPTIONS AND RECOMMENDATION

Table 16 presents a summary of the key characteristics of the three options identified and assessed.

Table 16
Summary of Meter Reading and Billing Frequency Options

	Meter Reading Frequency				Billing Frequency				Cost (Savings**)
	Automatic		Manual*		Automatic		Manual		(\$)
Option A: Adopt Seasonal Levels	4/yr		1/yr		4/yr		4/year		0
Option B: Adopt Residential Class Levels	12/yr		4/yr		12/yr		12/yr		~3.7M
Option C: Adopt Usage Based Levels	Paper	E-Bill	Paper	E-Bill	Paper	E-Bill	Paper	E-Bill	
High Usage	4/yr	12/yr	4/yr	4/yr	4/yr	12/yr	4/yr	12/yr	~70k
Medium Usage	4/yr	12/yr	1/yr	1/yr	4/yr	12/yr	4/yr	12/yr	(~270k)
Low Usage	4/yr	12/yr	1/yr	1/yr	4/yr	12/yr	2/yr	12/yr	(~160k)

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

** Savings estimates 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 the 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 \$3.7M. 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 greatest 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 remain at current levels, and customers always have the opportunity to increase meter readings through self-reads to minimize estimated bills.

Option C is recommended for meeting the OEB direction to eliminate the seasonal class and best balancing the criteria of fairness, minimizing costs, and minimizing overall billing and meter reading costs while meeting customer needs. It is also recommended that billing and meter frequency be reviewed in conjunction with Distribution rate applications to ensure that customer needs continue to be met. Selection of this option would, however, require Hydro One to seek from the OEB exemption to the Distribution System Code requirements for monthly billing and the use of estimated reads for these formerly “Seasonal class” customers.

7. CONDITIONS OF SERVICE CONSIDERATIONS

Elimination of the seasonal rate class will 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 rate class and the addition of a new billing frequency.

Section 1.6 E. No Charge Outage for Upgrade or Maintenance of Customer Equipment for Safety Reasons

Currently reads as follows:

“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.”

Proposed revision (*in italics*):

“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. *This service is not to be used for the purposes of disconnecting power to seasonally occupied properties during the entire period of unoccupancy.*”

Section 2.2 E. Liability for Disconnection

Currently reads as follows:

“Disconnection does not relieve the Customer of the liability for arrears or minimum bills for the balance of the term of the contract”.

Proposed revision (*in italics*):

“Disconnection does not relieve the Customer of the liability for arrears or minimum charges *including fixed monthly charges* for the balance of the term of the contract”. *This also applies to extended periods of disconnection for reasons such as vacancy of seasonal properties during certain times of the year.*”

Section 2.4.4 A. Billing Frequency

Currently reads as follows:

“Depending on Rate classification and service size, Customers are billed on a monthly, or quarterly frequency. Starting in 2010 and continuing through 2012, Hydro One is phasing out bi-monthly billing frequency as time-of-use pricing is implemented. Customers billed on a bi-monthly basis will be moved to monthly frequency.”

Proposed revision (*in italics*):

“Depending on Rate classification and service size, Customers are billed on a monthly, *quarterly or semi-annual* frequency. Starting in 2010 and continuing through 2016, Hydro One is phasing out bi-monthly billing frequency as time-of-use pricing is implemented. Customers billed on a bi-monthly basis will be moved to monthly frequency.”

Section 3.1 Residential

This section of the conditions of service covers the definitions of Hydro One’s rate classes consistent with the approved rate schedules. This section will be revised as necessary to reflect the elimination of the Seasonal class and to reflect that the residential rate classification will now consist of two sub-categories of residential service: year round and seasonal.

8. IMPLEMENTATION

Hydro One’s proposed plan for the elimination of the Seasonal Class entails a large number of billing, metering reading, communications, Customer Information System (CIS) and business process changes. It is estimated that the cost to implement the changes proposed for the elimination of the Seasonal class will be in the range of \$3M - \$4M.

There are also a number of change initiatives impacting the customer during this time period including the elimination of the Ontario Clean Energy Benefit (OCEB), elimination of Debt Retirement Charge (DRC) for residential customers, implementation of the Ontario Energy Savings Program (OESP) initiative, and the 2016 distribution rate changes (including move to all-fixed rates for residential classes). This slate of changes has a significant amount of complexity that will be a major challenge to communicate to customers and complex to properly implement from a systems and process perspective. The additional work driven by the Seasonal class elimination and associated bill impact mitigation would compound the complexity of the

implementation process and make it a virtually insurmountable challenge to effectively explain to customers, prepare our call centre staff and properly manage the magnitude of required system changes in time for implementing the elimination of the Seasonal class by January 1, 2016. A more feasible implementation timeline would be the end of Q1 2016. This modified timeline would recognize the time needed by the Board to review and decide on the proposed plan, and reduce the risks once Hydro One proceeds with the approved plan in tandem with these other customer bill-impactive changes.

Eliminating the Seasonal class and implementing the proposed mitigation plan will 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 R2, R1 and UR residential classes
- modifying CIS to identify the sub-categories of year round and seasonal residences within the UR, R1 and R2 rate classifications for mitigation and RRRP purposes
- annual monitoring to determine the prior year's consumption for all seasonal residential customers for the purposes of establishing credit eligibility and amounts, as well as establishing billing and meter reading frequencies
- administering the mitigation credit (e.g. identifying which customers get credit, 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

The significant cost associated with eliminating the Seasonal class and implementing the proposed mitigation plan was not included into Hydro One's 2015-2017 revenue requirement approved under EB-2013-0416. Hydro One will be requesting a variance account to track this cost for future disposition.

It is Hydro One's understanding the Board intends to initiate a process to review this report and provide timely direction with respect to its findings and recommendations.

Hydro One will incorporate the Board's direction with respect to the findings and recommendations in this report as part of its Draft Rate Order submission for establishing new 2016 distribution rates.

List of Appendices

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

Appendix B – Seasonal Status Quo CAM Inputs and Outputs

Appendix C – Seasonal Eliminated CAM Inputs and Outputs

Appendix D – Seasonal Status Quo and Seasonal Eliminated Rate Design

Appendix E – 2016 Bill Impact Sheets for Seasonal Status Quo Scenario

Appendix F – 2016 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 10th, 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 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.

This summary was shared in draft with participants for their review prior to being finalized.

Note that there are two appendices to this 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)*

<p>NOTE: This summary reflects what happened during the meeting and does not attempt to integrate the written feedback received after the meeting. Please see Appendix 2 for the additional feedback received.</p>

FEEDBACK SUMMARY – For Participant Review

Part 1 – Options for Eliminating the Seasonal Rate Class

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 4th 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

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 4th 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

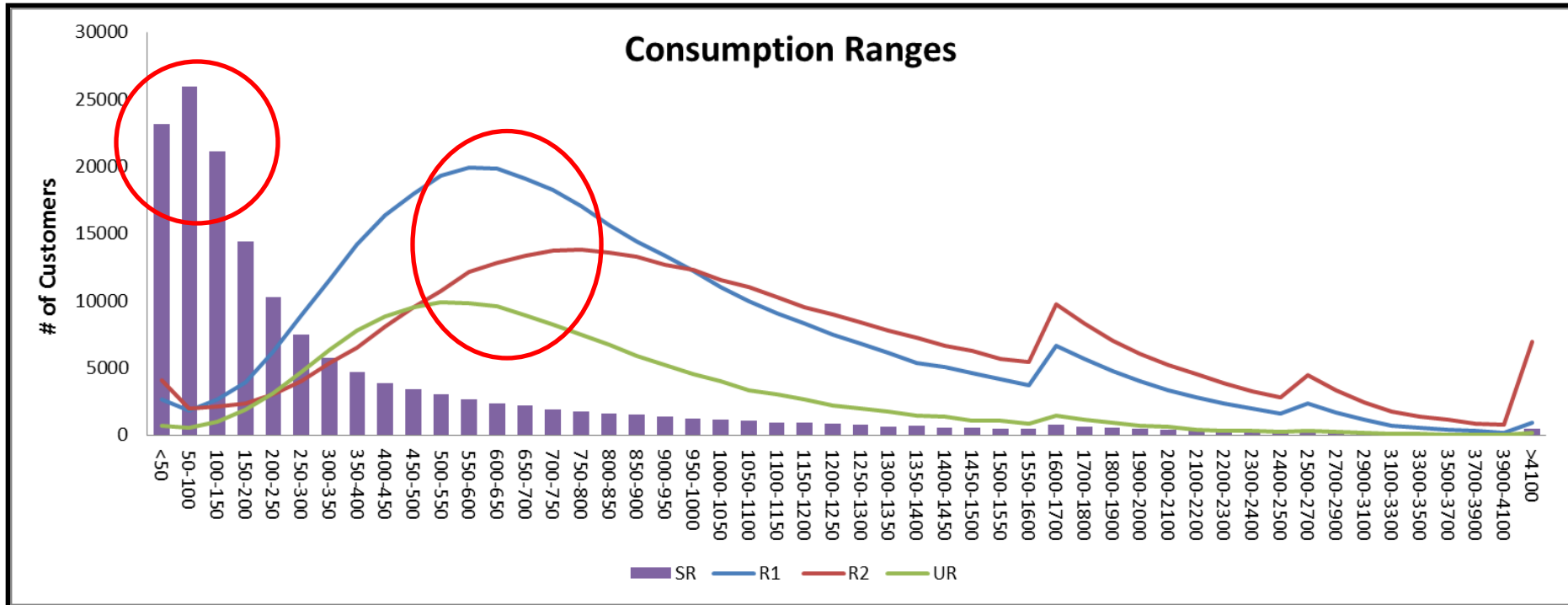
OPTIONS TO ELIMINATE SEASONAL RATES



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	0.92	1.04	1.02	0.86	0.89	0.87	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	0.95	-	1.00	0.82	0.87	0.83	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">• Impacts phased in over 4 years for majority of customers and 6 years for lowest consumption• Credits only applied where required to reduce bill impacts to 10%• Phase-in costs funded by all formerly seasonal customers• Full impacts of moving to year-round residential and required mitigation fully visible to customers
2. Phase-in fixed rates	<ul style="list-style-type: none">• Impacts phased in over 8 years• Reduced fixed charge provides phase-in benefits to all S R2 even if impacts are below 10%• Reduced fixed charges during phase-in funded via higher variable charges that impact all R2 customers
2a. Modified option 2.	<ul style="list-style-type: none">• Same as option 2 except phase-in costs recovered via debits from all formerly seasonal customers

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 4th 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 A	Retain Seasonal Billing and Meter Read Frequencies
Scenario B	Adopt Residential Billing and Meter Read Frequencies
Scenario C	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

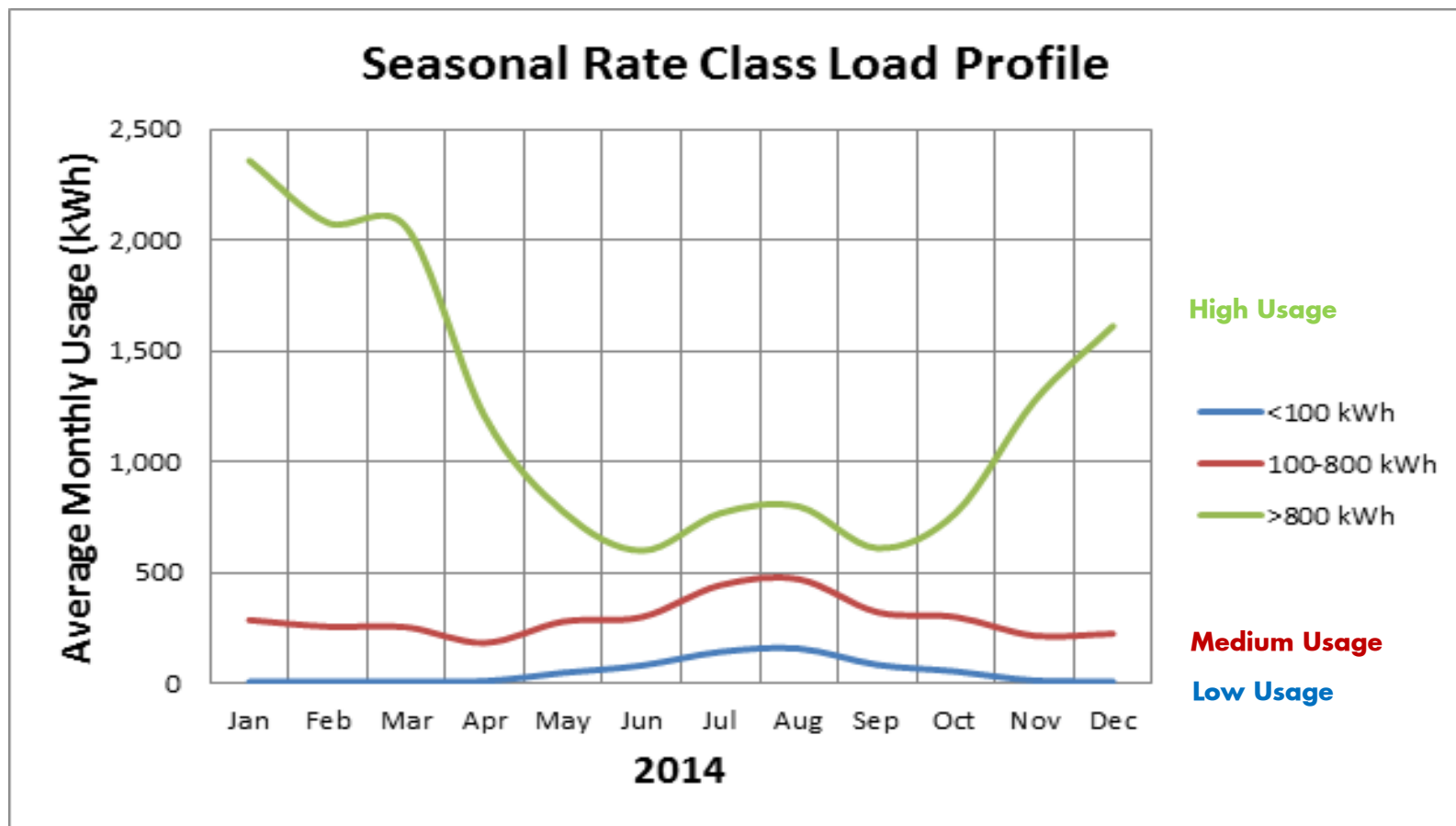
Pros	Cons
- High consumption seasonal customers likely to view increased bill/read frequencies positively	- Low consumption seasonal customers and those whose consumption is confined to a few consecutive months likely to view increased bill/read frequencies negatively
- All customers within the class 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">- Billing costs \cong 150%- Meter reading costs \cong 300%
	- 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

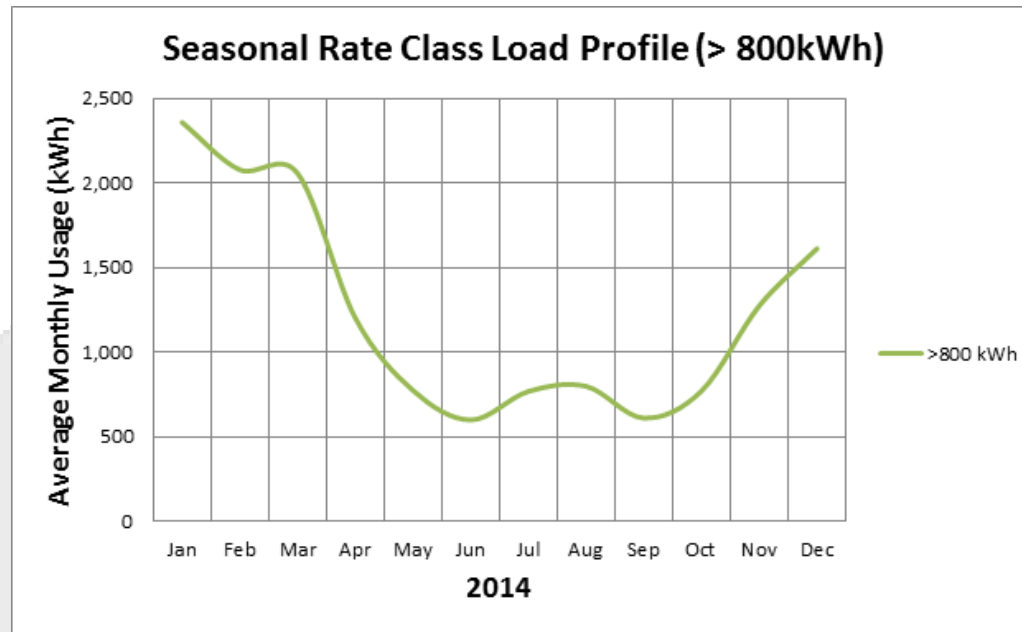
SCENARIO C – HYBRID

- 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

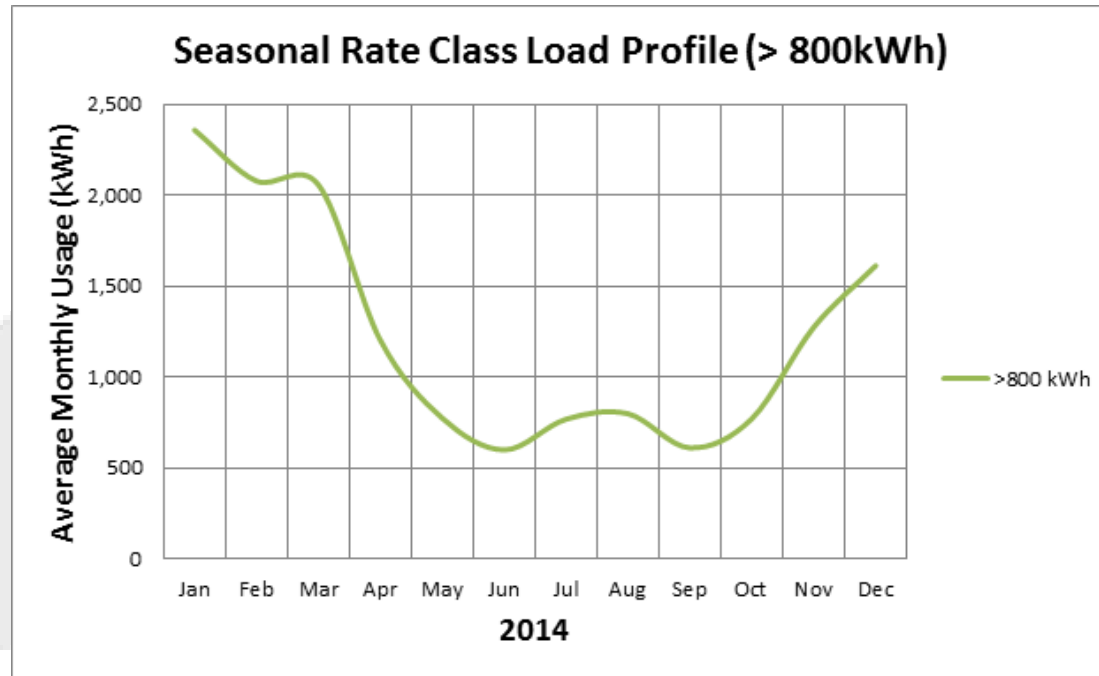
Scenarios Considered - C - Hybrid



Seasonal Load Profiles – High Usage

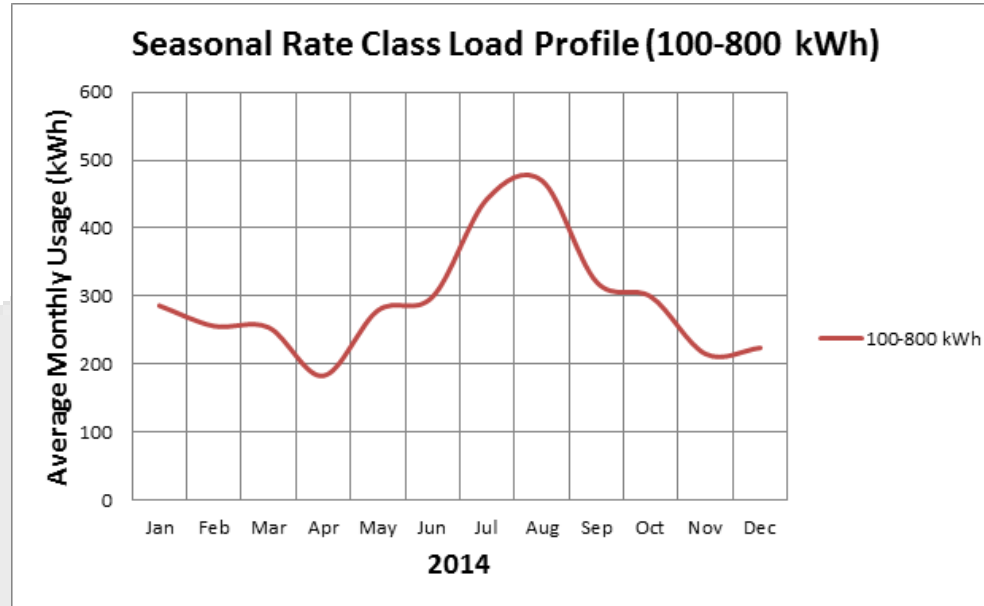


Seasonal Load Profiles – High Usage



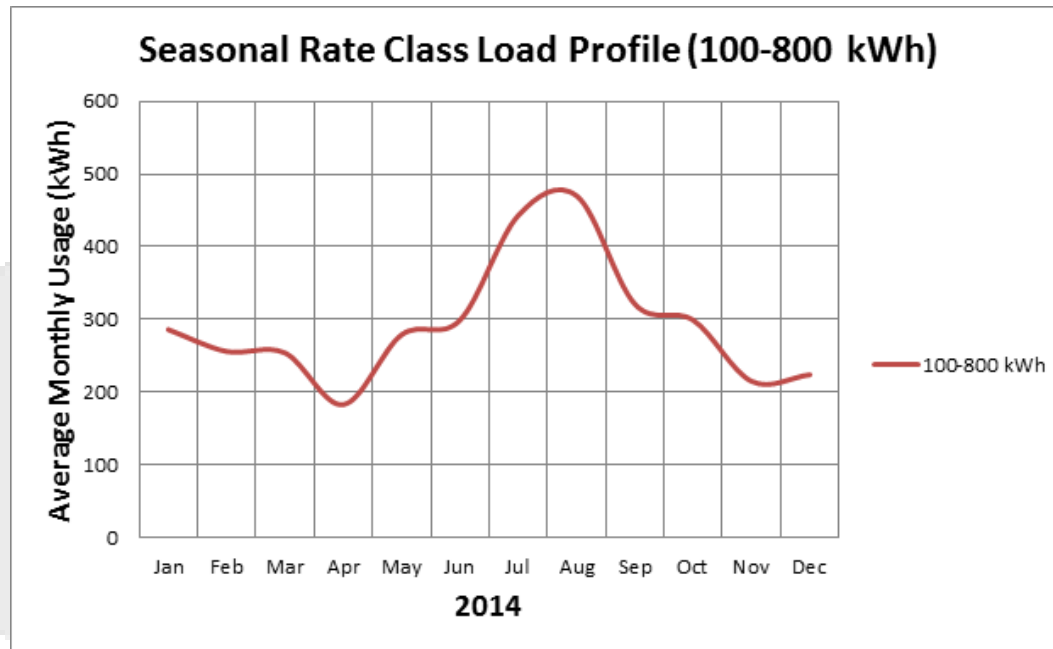
- Leave customers on existing seasonal billing frequency if paper based but move to residential billing frequency if on e-billing
- Increase manual meter read frequency to 4 times per year for TOU exempt customers
- Review eligibility for billing/meter read frequency on same frequency as Dx rate application

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

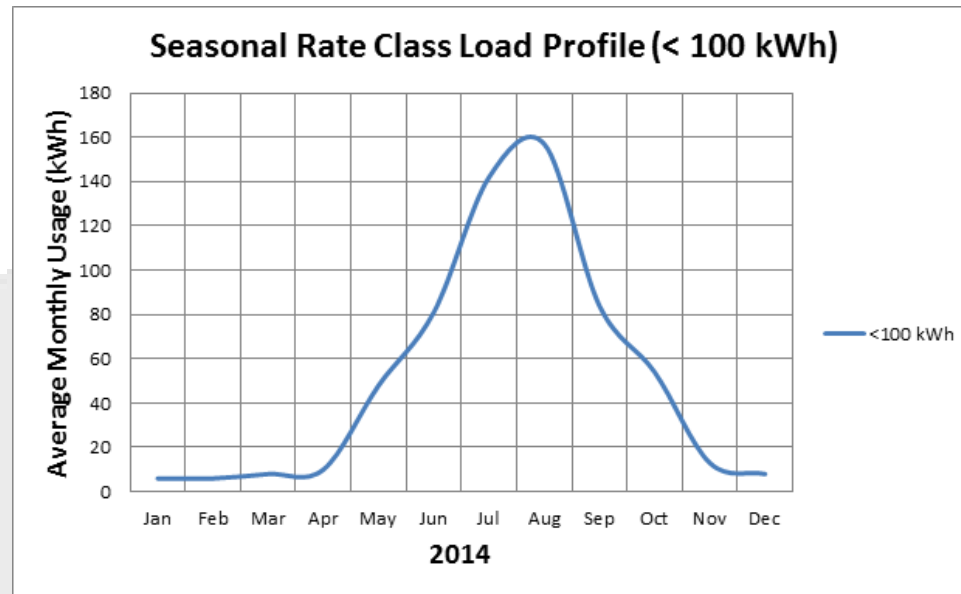
Seasonal Load Profiles – Medium Usage



Recommendation

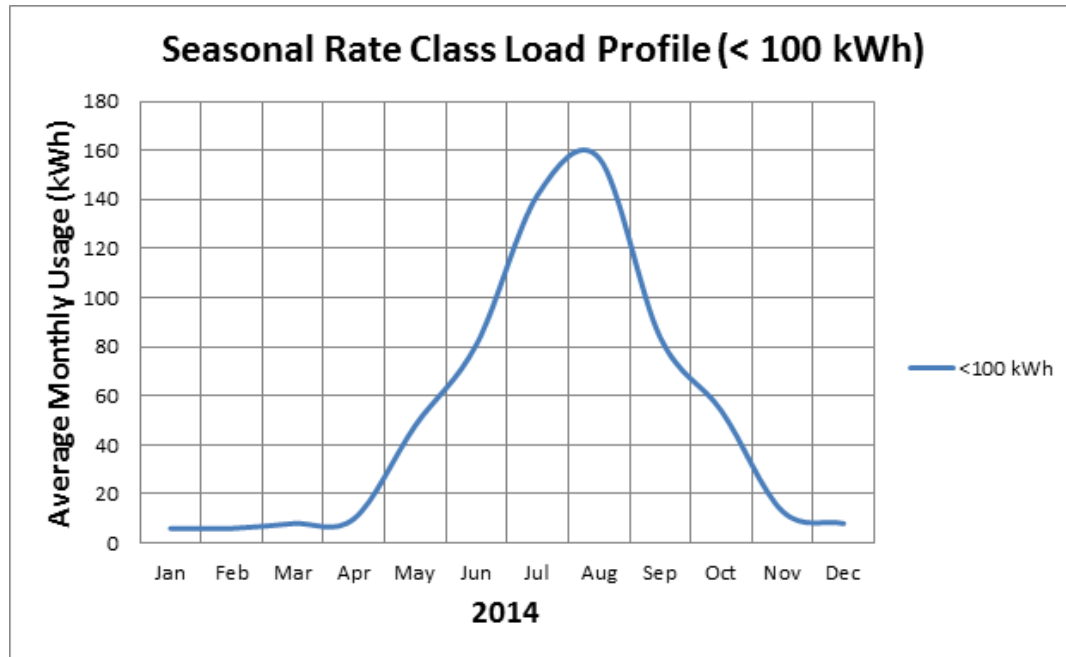
- Leave customers on existing seasonal billing and meter read frequency if paper based but move to residential billing frequency if on e-billing
- Review eligibility for billing/meter read frequency on same frequency as Dx rate application

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
TOTALS ⁻⁴⁰⁻	151K	151K	N/A	~\$200,000	~(\$112,000)	~(\$506,000)

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

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 4th 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

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 4th report to the OEB?**

Presentation #1: Elimination of the Seasonal Rate Class

Feedback and Discussion

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?

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 4th 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?

Presentation #2: Bill and Meter Reading Scenarios

Feedback and Discussion

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 4th 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 10th 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; Ian White, FOCA



2016 Cost Allocation Model

EB-2013-0416

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	Distribution Revenue at Existing Rates	\$1,332,255,381	\$90,379,910	\$303,757,003	\$464,610,085	\$104,146,571	\$147,038,925	\$116,555,454	\$18,170,642	\$24,778,174	\$10,559,642	\$3,110,821	\$3,271,539	\$2,520,392	\$43,356,223
mi	Miscellaneous Revenue (mi)	\$50,649,340	\$4,554,915	\$12,743,763	\$16,376,784	\$3,299,907	\$4,709,601	\$2,617,590	\$669,874	\$432,968	\$326,691	\$3,670,960	\$104,592	\$127,911	\$1,013,784
Miscellaneous Revenue Input equals Output															
Total Revenue at Existing Rates		\$1,382,904,721	\$94,934,824	\$316,500,766	\$480,986,869	\$107,446,478	\$151,748,526	\$119,173,044	\$18,840,516	\$25,211,142	\$10,886,333	\$6,781,781	\$3,376,131	\$2,648,303	\$44,370,007
Factor required to recover deficiency (1 + D)		1.0731													
Distribution Revenue at Status Quo Rates		\$1,429,601,736	\$96,983,865	\$325,952,175	\$498,558,605	\$111,756,440	\$157,782,889	\$125,072,025	\$19,498,350	\$26,588,687	\$11,331,223	\$3,338,125	\$3,510,586	\$2,704,554	\$46,524,212
Miscellaneous Revenue (mi)		\$50,649,340	\$4,554,915	\$12,743,763	\$16,376,784	\$3,299,907	\$4,709,601	\$2,617,590	\$669,874	\$432,968	\$326,691	\$3,670,960	\$104,592	\$127,911	\$1,013,784
Total Revenue at Status Quo Rates		\$1,480,251,076	\$101,538,780	\$338,695,938	\$514,935,389	\$115,056,347	\$162,492,490	\$127,689,615	\$20,168,224	\$27,021,654	\$11,657,914	\$7,009,085	\$3,615,179	\$2,832,465	\$47,537,996
Expenses															
di	Distribution Costs (di)	\$329,744,254	\$13,813,561	\$61,221,307	\$138,489,271	\$26,537,368	\$34,326,108	\$28,297,127	\$3,933,927	\$5,689,547	\$3,618,454	\$1,761,861	\$706,844	\$111,334	\$11,237,544
cu	Customer Related Costs (cu)	\$111,284,765	\$15,449,398	\$33,644,578	\$28,937,017	\$8,020,243	\$12,453,027	\$3,687,547	\$2,360,610	\$864,128	\$767,183	\$458,111	\$494,143	\$793,262	\$3,355,518
ad	General and Administration (ad)	\$137,094,654	\$8,808,379	\$28,823,667	\$51,444,651	\$10,573,450	\$14,451,405	\$10,592,932	\$1,956,514	\$2,211,052	\$1,335,514	\$672,964	\$359,649	\$905,058	\$4,959,420
dep	Depreciation and Amortization (dep)	\$374,931,648	\$18,944,668	\$68,866,733	\$139,918,714	\$27,609,231	\$41,684,643	\$43,398,515	\$6,265,089	\$9,191,603	\$2,998,454	\$1,708,317	\$542,050	\$510,090	\$13,293,541
INPUT	PILs (INPUT)	\$57,628,172	\$2,618,243	\$10,320,912	\$22,167,618	\$4,248,324	\$6,345,491	\$6,713,216	\$889,211	\$1,389,009	\$498,775	\$230,606	\$94,536	\$45,151	\$2,067,082
INT	Interest	\$192,983,266	\$8,767,883	\$34,562,319	\$74,234,166	\$14,226,642	\$21,249,563	\$22,480,989	\$2,977,761	\$4,651,465	\$1,670,280	\$772,244	\$316,579	\$151,200	\$6,922,175
Total Expenses		\$1,203,666,759	\$68,402,130	\$237,439,517	\$455,191,437	\$91,215,258	\$130,510,237	\$115,170,325	\$18,383,112	\$23,996,805	\$10,888,660	\$5,604,103	\$2,513,800	\$2,516,095	\$41,835,281
Direct Allocation		\$10,985,167	\$0	\$0	\$0	\$0	\$352,342	\$2,318,123	\$88,287	\$694,449	\$0	\$1,078,976	\$0	\$3,845,332	\$2,607,657
NI	Allocated Net Income (NI)	\$265,599,151	\$12,067,068	\$47,567,454	\$102,167,053	\$19,579,854	\$29,245,365	\$30,940,152	\$4,098,235	\$6,401,722	\$2,298,774	\$1,062,824	\$435,701	\$208,093	\$9,526,856
Revenue Requirement (includes NI)		\$1,480,251,076	\$80,469,198	\$285,006,971	\$557,358,490	\$110,795,112	\$160,107,944	\$148,428,600	\$22,569,634	\$31,092,976	\$13,187,435	\$7,745,903	\$2,949,501	\$6,569,520	\$53,969,794
Revenue Requirement Input equals Output															
Rate Base Calculation															
Net Assets															
dp	Distribution Plant - Gross	\$10,091,719,162	\$468,999,714	\$1,836,014,204	\$3,907,268,506	\$757,166,084	\$1,085,272,633	\$1,137,446,938	\$151,179,290	\$235,386,690	\$85,851,327	\$39,544,912	\$16,221,960	\$8,625,412	\$362,741,492
gp	General Plant - Gross	\$972,636,283	\$43,601,021	\$172,328,057	\$369,894,572	\$71,577,424	\$104,226,410	\$111,183,585	\$14,514,997	\$23,008,731	\$8,288,804	\$17,824,164	\$1,579,790	\$811,278	\$33,797,452
accum dep	Accumulated Depreciation	(\$3,865,882,306)	(\$185,549,877)	(\$715,711,075)	(\$1,502,587,258)	(\$291,841,899)	(\$407,697,693)	(\$414,643,466)	(\$56,817,428)	(\$85,807,140)	(\$31,965,884)	(\$20,932,955)	(\$5,951,763)	(\$3,351,304)	(\$143,024,565)
co	Capital Contribution	(\$748,839,901)	(\$34,322,837)	(\$138,516,474)	(\$295,833,580)	(\$61,554,810)	(\$72,998,526)	(\$83,699,799)	(\$9,590,694)	(\$17,347,057)	(\$6,417,267)	(\$3,583,245)	(\$1,278,114)	(\$1,010,896)	(\$22,686,603)
Total Net Plant		\$6,449,633,237	\$292,728,021	\$1,154,114,713	\$2,478,742,240	\$475,346,800	\$708,802,824	\$750,287,258	\$99,286,164	\$155,241,223	\$55,756,980	\$32,852,876	\$10,571,873	\$5,074,490	\$230,827,776
Directly Allocated Net Fixed Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP															
Cost of Power (COP)		\$2,831,313,402	\$237,652,275	\$592,902,963	\$566,330,716	\$78,820,828	\$260,079,212	\$287,383,710	\$71,789,132	\$126,973,454	\$14,728,760	\$2,599,193	\$2,905,344	\$2,709,695	\$586,438,120
OM&A Expenses		\$578,123,673	\$38,071,337	\$123,689,553	\$218,870,940	\$45,131,061	\$61,230,540	\$42,577,605	\$8,251,051	\$8,764,728	\$5,721,152	\$2,892,936	\$1,560,636	\$1,809,654	\$19,552,482
Directly Allocated Expenses		\$10,985,167	\$0	\$0	\$0	\$0	\$352,342	\$2,318,123	\$88,287	\$694,449	\$0	\$1,078,976	\$0	\$3,845,332	\$2,607,657
Subtotal		\$3,420,422,242	\$275,723,612	\$716,592,516	\$785,201,656	\$123,951,889	\$321,662,093	\$332,279,439	\$80,128,470	\$136,432,631	\$20,449,912	\$6,571,105	\$4,465,980	\$8,364,681	\$608,598,259
Working Capital		\$258,701,927	\$20,854,218	\$54,199,117	\$59,388,335	\$9,375,039	\$24,328,752	\$25,131,789	\$6,060,477	\$10,319,014	\$1,546,719	\$497,002	\$337,782	\$632,658	\$46,031,025
Total Rate Base		\$6,708,335,164	\$313,582,239	\$1,208,313,830	\$2,538,130,575	\$484,721,839	\$733,131,575	\$775,419,047	\$105,346,641	\$165,560,237	\$57,303,699	\$33,349,879	\$10,909,655	\$5,707,149	\$276,858,801
Equity Component of Rate Base		\$2,683,334,066	\$125,432,896	\$483,325,532	\$1,015,252,230	\$193,888,736	\$293,252,630	\$310,167,619	\$42,138,656	\$66,224,095	\$22,921,480	\$13,339,951	\$4,363,862	\$2,282,859	\$110,743,520
Net Income on Allocated Assets		\$265,599,151	\$33,136,649	\$101,256,421	\$59,743,952	\$23,841,089	\$31,629,911	\$10,201,167	\$1,696,825	\$2,330,400	\$769,253	\$326,006	\$1,101,379	(\$3,528,961)	\$3,095,058
Net Income on Direct Allocation Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Income		\$265,599,151	\$33,136,649	\$101,256,421	\$59,743,952	\$23,841,089	\$31,629,911	\$10,201,167	\$1,696,825	\$2,330,400	\$769,253	\$326,006	\$1,101,379	(\$3,528,961)	\$3,095,058
RATIOS ANALYSIS															
REVENUE TO EXPENSES STATUS QUO%		100.00%	1.26	1.19	0.92	1.04	1.01	0.86	0.89	0.87	0.88	0.90	1.23	0.43	0.88
EXISTING REVENUE MINUS ALLOCATED COSTS		(\$97,346,355)	\$14,465,626	\$31,493,795	(\$76,371,621)	(\$3,348,634)	(\$8,359,417)	(\$29,255,556)	(\$3,729,117)	(\$5,881,834)	(\$2,301,102)	(\$964,122)	\$426,630	(\$3,921,217)	(\$9,599,787)
Deficiency Input equals Output															
STATUS QUO REVENUE MINUS ALLOCATED COSTS		\$0	\$21,069,581	\$53,688,967	(\$42,423,101)	\$4,261,236	\$2,384,546	(\$20,738,984)	(\$2,401,410)	(\$4,071,321)	(\$1,529,521)	(\$736,818)	\$665,678	(\$3,737,055)	(\$6,431,798)
RETURN ON EQUITY COMPONENT OF RATE BASE		9.90%	26.42%	20.95%	5.88%	12.30%	10.79%	3.29%	4.03%	3.52%	3.36%	2.44%	25.24%	-154.59%	2.79%

Total Gross Plant including USoAs 1600s, 1700s and 2040	\$11,399,684,419
Total Accumulated Depreciation including USoAs 1600s, 1700s and 2040	(\$4,046,608,211)
Total Capital Contributions	(\$748,926,957)
Total Net Plant	\$6,604,149,251
Working Capital	\$258,701,927
Total Rate Base	\$6,862,851,178
Rate Base from I3 TB Data Sheet	\$6,862,851,178
Rate Base Input Equals Output	



2016 Cost Allocation Model

EB-2013-0416

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	35,674,072.033
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Total kW from Load Forecast	42,495,980
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Deficiency/sufficiency (RRWF 8, cell F51)	97,346,355
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Miscellaneous Revenue (RRWF 5, cell F48)	50,649,340
--	------------

			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
Billing Data															
Forecast kWh	CEN	35,674,072.033	2,016,183,097	5,030,042,034	4,804,609,666	668,696,400	2,206,447,679	2,438,092,291	609,041,231	1,077,211,367	124,955,158	22,050,910	24,648,223	22,988,381	16,629,105,596
Forecast kW	CDEM	42,495,980	-	-	-	-	-	8,493,971	-	3,045,878	-	-	-	232,370	30,723,761
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,929,209	-	-	-	-	-	1,275,048	-	458,558	-	-	-	195,603	-
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	24,020,162,340	2,016,183,097	5,030,042,034	4,804,609,666	668,696,400	2,206,447,679	2,438,092,291	609,041,231	1,077,211,367	124,955,158	22,050,910	24,648,223	22,988,381	4,975,195,903
Existing Monthly Charge			\$19.07	\$26.03	\$65.52	\$28.62	\$26.35	\$74.99	\$20.05	\$78.74	\$3.82	\$2.32	\$36.79	\$73.55	\$830.75
Existing Distribution kWh Rate			\$0.0208	\$0.0331	\$0.0424	\$0.0764	\$0.0532		\$0.0228		\$0.0827	\$0.1034	\$0.0308		
Existing Distribution kW Rate								\$13.0657		\$7.5435				\$5.9510	\$1.1465
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,332,255,381	\$90,379,910	\$303,757,003	\$464,610,085	\$104,146,571	\$147,038,925	\$116,555,454	\$18,170,642	\$24,778,174	10,559,642	\$3,110,821	\$3,271,539	\$2,520,392	\$43,356,223
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,332,255,381	\$90,379,910	\$303,757,003	\$464,610,085	\$104,146,571	\$147,038,925	\$116,555,454	\$18,170,642	\$24,778,174	\$10,559,642	\$3,110,821	\$3,271,539	\$2,520,392	\$43,356,223



2016 Cost Allocation Model

EB-2013-0416

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
Billing Data															
Bad Debt 3 Year Historical Average	BDHA	\$18,833,333	\$2,293,039	\$6,304,210	\$5,606,188	\$521,010	\$1,400,549	\$1,173,872	\$248,515	\$75,122	\$2,423	\$141,368	\$184	\$200	\$1,066,653
Late Payment 3 Year Historical Average	LPHA	\$12,486,523	1,330,607	3,877,231	4,383,248	713,763	1,137,824	622,415	148,082	47,362	20,748	24,678	43	3,751	176,770
Number of Bills	CNB	14,360,542	2,540,288	5,273,247	3,981,908	617,961	1,125,461	74,354	213,691	22,880	59,123	358,085	68,290	15,466	9,788
Number of Devices															
Number of Connections (Unmetered)	CCON	41,120	-	-	-	-	-	-	-	-	20,509	14,920	5,691	-	-
Total Number of Customers	CCA	1,300,367	211,691	439,437	331,826	154,490	93,788	6,196	17,808	1,907	20,509	14,920	5,691	1,289	816
Bulk Customer Base	CCB	1,300,367	211,691	439,437	331,826	154,490	93,788	6,196	17,808	1,907	20,509	14,920	5,691	1,289	816
Primary Customer Base	CCP	1,298,925	211,691	439,437	331,826	154,490	93,788	6,196	17,808	1,907	20,509	14,920	5,691	587	75
Line Transformer Customer Base	CCLT	1,298,850	211,691	439,437	331,826	154,490	93,788	6,196	17,808	1,907	20,509	14,920	5,691	587	-
Secondary Customer Base	CCS	1,290,160	211,691	439,437	331,826	154,490	93,788	-	17,808	-	20,509	14,920	5,691	-	-
Weighted - Services	CWCS	1,087,652	105,845	329,578	497,739	154,490	-	-	-	-	-	-	-	-	-
Weighted Meter Capital	CWMC	272,378,814	31,753,606	65,915,584	58,069,497	27,035,811	33,763,843	8,984,398	8,458,598	2,764,701	-	-	-	2,190,984	33,441,791
Weighted Meter Reading	CWMR	231,669	4,822	21,432	101,265	32,865	39,465	22,883	3,244	5,694	-	-	-	-	-
Weighted Bills	CWNB	16,413,139	2,540,288	5,273,247	3,981,908	617,961	2,250,923	520,475	427,382	160,162	118,246	7,162	136,579	231,987	146,818

Bad Debt Data

Historic Year:	2010	18,600,000	2,135,698	6,402,146	5,228,951	439,515	1,428,325	992,491	267,662	89,762	163	333,611	145	364	1,281,167
Historic Year:	2011	19,100,000	2,448,536	6,260,315	5,031,459	602,476	1,232,416	1,397,055	165,705	60,194	1,336	30,593	44	-	1,869,873
Historic Year:	2012	18,800,000	2,294,885	6,250,168	6,558,155	521,039	1,540,907	1,132,070	312,178	75,411	5,771	59,902	362	235	48,918
Three-year average		18,833,333	2,293,039	6,304,210	5,606,188	521,010	1,400,549	1,173,872	248,515	75,122	2,423	141,368	184	200	1,066,653



2016 Cost Allocation Model

EB-2013-0416

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	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	
CO-INCIDENT PEAK																
1 CP																
Transformation CP	TCP1		6,583,031	414,915	1,127,550	1,141,166	190,377	328,337	377,503	100,223	141,256	33,315	5,879	3,071	3,534	2,715,903
Bulk Delivery CP	BCP1		6,372,335	401,569	1,091,922	1,106,054	184,514	318,151	365,406	97,029	136,682	32,278	5,696	2,975	3,418	2,626,640
Total Sytem CP	DCP1	6,583,031	414,915	1,127,550	1,141,166	190,377	328,337	377,503	100,223	141,256	33,315	5,879	3,071	3,534	2,715,903	
4 CP																
Transformation CP	TCP4		25,267,181	1,719,189	4,368,404	4,240,549	658,312	1,403,378	1,410,189	390,238	576,566	92,489	16,322	12,314	12,778	10,366,455
Bulk Delivery CP	BCP4		24,458,361	1,663,889	4,230,369	4,110,071	638,038	1,359,843	1,364,999	377,803	557,896	89,609	15,813	11,930	12,359	10,025,743
Total Sytem CP	DCP4		25,267,181	1,719,189	4,368,404	4,240,549	658,312	1,403,378	1,410,189	390,238	576,566	92,489	16,322	12,314	12,778	10,366,455
12 CP																
Transformation CP	TCP12		68,396,655	4,517,306	11,448,885	10,854,626	1,392,112	3,866,509	3,995,140	1,063,293	1,725,223	200,970	35,465	36,810	35,843	29,224,475
Bulk Delivery CP	BCP12		66,204,806	4,372,000	11,087,117	10,520,637	1,349,239	3,746,562	3,867,115	1,029,411	1,669,358	194,712	34,361	35,664	34,668	28,263,961
Total Sytem CP	DCP12		68,396,655	4,517,306	11,448,885	10,854,626	1,392,112	3,866,509	3,995,140	1,063,293	1,725,223	200,970	35,465	36,810	35,843	29,224,475
NON CO-INCIDENT PEAK																
1 NCP																
Classification NCP from Load Data Provider	DNCP1		7,107,543	453,901	1,174,560	1,181,355	229,788	442,591	436,935	126,204	203,319	50,561	8,923	3,113	4,073	2,792,220
Primary NCP	PNCP1		4,159,771	434,811	1,115,870	1,109,670	215,929	417,206	411,814	120,366	193,638	47,736	8,424	2,939	393	80,975
Line Transformer NCP	LTNCP1	3,987,495	434,811	1,115,870	1,109,670	215,929	417,206	349,996	120,366	164,485	47,736	8,424	2,939	62	-	
Secondary NCP	SNCP1	3,377,689	429,424	1,091,598	1,069,099	208,142	403,824	-	118,279	-	46,301	8,171	2,850	-	-	
4 NCP																
Classification NCP from Load Data Provider	DNCP4		27,375,456	1,769,913	4,525,935	4,511,291	832,164	1,692,337	1,732,806	482,984	764,396	193,481	34,144	12,400	15,925	10,807,681
Primary NCP	PNCP4		15,973,445	1,695,475	4,299,787	4,237,544	781,973	1,595,271	1,633,182	460,640	727,996	182,673	32,236	11,708	1,536	313,424
Line Transformer NCP	LTNCP4		15,303,968	1,695,475	4,299,787	4,237,544	781,973	1,595,271	1,388,021	460,640	618,396	182,673	32,236	11,708	243	-
Secondary NCP	SNCP4	12,933,678	1,674,468	4,206,259	4,082,616	753,771	1,544,103	-	452,656	-	177,181	31,267	11,356	-	-	
12 NCP																
Classification NCP from Load Data Provider	DNCP12		73,374,637	4,826,713	11,828,758	11,293,684	1,796,228	4,681,913	4,939,963	1,334,263	2,132,676	457,130	80,670	36,983	45,052	29,920,604
Primary NCP	PNCP12		41,945,399	4,623,715	11,237,708	10,608,380	1,687,891	4,413,378	4,655,950	1,272,536	2,031,120	431,594	76,164	34,917	4,346	867,700
Line Transformer NCP	LTNCP12		40,069,341	4,623,715	11,237,708	10,608,380	1,687,891	4,413,378	3,957,035	1,272,536	1,725,335	431,594	76,164	34,917	688	-
Secondary NCP	SNCP12	33,455,900	4,566,427	10,993,270	10,220,529	1,627,018	4,271,819	-	1,250,480	-	418,617	73,874	33,867	-	-	



2016 Cost Allocation Model

EB-2013-0416

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 Assets		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	
crev mi	Distribution Revenue at Existing Rates	\$1,341,847,285	\$90,456,549	\$334,979,676	\$547,049,247	\$0	\$147,038,925	\$116,555,454	\$18,170,642	\$24,778,174	\$10,559,642	\$3,110,821	\$3,271,539	\$2,520,392	\$43,356,223	
	Miscellaneous Revenue (mi)	\$50,649,340	\$4,554,648	\$13,895,912	\$18,474,417	\$0	\$4,724,832	\$2,645,412	\$671,832	\$438,008	\$326,613	\$3,670,841	\$104,578	\$127,930	\$1,014,317	
	Miscellaneous Revenue Input equals Output															
	Total Revenue at Existing Rates	\$1,392,496,625	\$95,011,197	\$348,875,588	\$565,523,664	\$0	\$151,763,757	\$119,200,866	\$18,842,474	\$25,216,182	\$10,886,255	\$6,781,662	\$3,376,116	\$2,648,322	\$44,370,540	
	Factor required to recover deficiency (1 + D)	1.0654														
di cu ad dep INPUT INT	Distribution Revenue at Status Quo Rates	\$1,429,601,736	\$96,372,248	\$356,886,757	\$582,825,305	\$0	\$156,655,012	\$124,177,975	\$19,358,970	\$26,398,623	\$11,250,224	\$3,314,263	\$3,485,492	\$2,685,221	\$46,191,644	
	Miscellaneous Revenue (mi)	\$50,649,340	\$4,554,648	\$13,895,912	\$18,474,417	\$0	\$4,724,832	\$2,645,412	\$671,832	\$438,008	\$326,613	\$3,670,841	\$104,578	\$127,930	\$1,014,317	
	Total Revenue at Status Quo Rates	\$1,480,251,076	\$100,926,897	\$370,782,669	\$601,299,722	\$0	\$161,379,844	\$126,823,388	\$20,030,802	\$26,836,631	\$11,576,837	\$6,985,104	\$3,590,069	\$2,813,152	\$47,205,961	
	Expenses															
	Distribution Costs (di)	\$329,744,254	\$13,732,163	\$67,072,259	\$158,392,008	\$0	\$34,564,451	\$28,809,073	\$3,964,355	\$5,780,588	\$3,616,873	\$1,759,393	\$706,540	\$110,846	\$11,235,704	
NI	Customer Related Costs (cu)	\$111,284,765	\$15,481,248	\$37,035,691	\$33,399,979	\$0	\$12,520,819	\$3,724,240	\$2,368,474	\$871,735	\$767,183	\$458,111	\$494,143	\$794,145	\$3,368,999	
	General and Administration (ad)	\$137,094,654	\$8,791,901	\$31,633,099	\$58,849,219	\$0	\$14,560,964	\$10,803,624	\$1,971,656	\$2,249,965	\$1,334,967	\$672,191	\$359,554	\$905,189	\$4,962,326	
	Depreciation and Amortization (dep)	\$374,931,648	\$18,864,792	\$75,879,881	\$156,817,426	\$0	\$42,622,302	\$45,620,789	\$6,446,715	\$9,637,452	\$2,997,877	\$1,706,114	\$541,789	\$512,299	\$13,284,212	
	PILs (INPUT)	\$57,628,172	\$2,603,532	\$11,331,932	\$24,814,477	\$0	\$6,492,498	\$7,074,977	\$917,465	\$1,461,103	\$498,126	\$230,176	\$94,485	\$45,275	\$2,064,126	
	Interest	\$192,983,266	\$8,718,620	\$37,947,989	\$83,097,880	\$0	\$21,741,856	\$23,692,442	\$3,072,376	\$4,892,891	\$1,668,109	\$770,804	\$316,408	\$151,617	\$6,912,275	
dp gp accum dep co	Total Expenses	\$1,203,666,759	\$68,192,257	\$260,900,851	\$515,370,989	\$0	\$132,502,889	\$119,725,144	\$18,741,041	\$24,893,735	\$10,883,134	\$5,596,788	\$2,512,918	\$2,519,371	\$41,827,642	
	Direct Allocation	\$10,985,167	\$0	\$0	\$0	\$0	\$352,342	\$2,318,123	\$88,287	\$694,449	\$0	\$1,078,976	\$0	\$3,845,332	\$2,607,657	
	Allocated Net Income (NI)	\$265,599,151	\$11,999,269	\$52,227,087	\$114,366,011	\$0	\$29,922,897	\$32,607,451	\$4,228,452	\$6,733,992	\$2,295,786	\$1,060,843	\$435,466	\$208,667	\$9,513,231	
	Revenue Requirement (includes NI)	\$1,480,251,076	\$80,191,526	\$313,127,937	\$629,736,999	\$0	\$162,778,128	\$154,650,719	\$23,057,780	\$32,322,176	\$13,178,920	\$7,736,607	\$2,948,384	\$6,573,370	\$53,948,530	
	Revenue Requirement Input equals Output															
Net Assets	Rate Base Calculation															
	Distribution Plant - Gross	\$10,091,719,162	\$466,066,048	\$2,017,295,981	\$4,388,033,135	\$0	\$1,109,183,897	\$1,196,178,507	\$155,740,740	\$247,059,462	\$85,733,878	\$39,469,616	\$16,213,100	\$8,647,010	\$362,097,788	
	General Plant - Gross	\$972,636,283	\$43,338,177	\$189,353,745	\$414,604,349	\$0	\$106,678,671	\$117,228,662	\$14,986,907	\$24,214,274	\$8,278,512	\$17,817,157	\$1,578,960	\$813,015	\$33,743,853	
	Accumulated Depreciation	(\$3,865,882,306)	(\$184,324,952)	(\$786,309,005)	(\$1,692,694,033)	\$0	(\$415,666,076)	(\$434,076,045)	(\$58,310,995)	(\$89,642,684)	(\$31,915,349)	(\$20,903,208)	(\$5,948,292)	(\$3,361,606)	(\$142,729,306)	
	Capital Contribution	(\$748,839,901)	(\$34,003,917)	(\$153,106,255)	(\$334,991,913)	\$0	(\$74,955,188)	(\$88,588,570)	(\$9,970,993)	(\$18,327,260)	(\$6,412,339)	(\$3,578,690)	(\$1,277,597)	(\$1,010,151)	(\$22,617,029)	
COP	Total Net Plant	\$6,449,633,237	\$291,075,355	\$1,267,234,466	\$2,774,951,539	\$0	\$725,240,550	\$790,742,554	\$102,445,659	\$163,303,792	\$55,684,701	\$32,804,876	\$10,566,171	\$5,088,268	\$230,495,306	
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Cost of Power (COP)	\$2,831,313,402	\$237,735,929	\$625,897,552	\$612,073,301	\$0	\$260,079,212	\$287,383,710	\$71,789,132	\$126,973,454	\$14,728,760	\$2,599,193	\$2,905,344	\$2,709,695	\$586,438,120	
	OM&A Expenses	\$578,123,673	\$38,005,312	\$135,741,049	\$250,641,206	\$0	\$61,646,234	\$43,336,937	\$8,304,485	\$8,902,289	\$5,719,022	\$2,889,694	\$1,560,237	\$1,810,180	\$19,567,029	
	Directly Allocated Expenses	\$10,985,167	\$0	\$0	\$0	\$0	\$352,342	\$2,318,123	\$88,287	\$694,449	\$0	\$1,078,976	\$0	\$3,845,332	\$2,607,657	
Working Capital	Subtotal	\$3,420,422,242	\$275,741,241	\$761,638,601	\$862,714,506	\$0	\$322,077,788	\$333,038,771	\$80,181,903	\$136,570,192	\$20,447,783	\$6,567,863	\$4,465,581	\$8,365,207	\$608,612,806	
	Working Capital	\$258,701,927	\$20,855,551	\$57,606,155	\$65,250,981	\$0	\$24,360,193	\$25,189,221	\$6,064,518	\$10,329,418	\$1,546,558	\$496,757	\$337,752	\$632,698	\$46,032,125	
	Total Rate Base	\$6,708,335,164	\$311,930,906	\$1,324,840,621	\$2,840,202,520	\$0	\$749,600,743	\$815,931,775	\$108,510,177	\$173,633,211	\$57,231,259	\$33,301,633	\$10,903,923	\$5,720,966	\$276,527,432	
	Equity Component of Rate Base	\$2,683,334,066	\$124,772,363	\$529,936,249	\$1,136,081,008	\$0	\$299,840,297	\$326,372,710	\$43,404,071	\$69,453,284	\$22,892,503	\$13,320,653	\$4,361,569	\$2,288,386	\$110,610,973	
	Net Income on Allocated Assets	\$265,599,151	\$32,734,640	\$109,881,818	\$85,928,734	\$0	\$28,524,613	\$4,780,120	\$1,201,474	\$1,248,447	\$693,702	\$309,340	\$1,077,151	(\$3,551,551)	\$2,770,662	
RATIOS ANALYSIS	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$265,599,151	\$32,734,640	\$109,881,818	\$85,928,734	\$0	\$28,524,613	\$4,780,120	\$1,201,474	\$1,248,447	\$693,702	\$309,340	\$1,077,151	(\$3,551,551)	\$2,770,662	
	REVENUE TO EXPENSES STATUS QUO%	100.00%	1.26	1.18	0.95	0.00%	0.99	0.82	0.87	0.83	0.88	0.90	1.22	0.43	0.88	
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$87,754,451)	\$14,819,672	\$35,747,650	(\$64,213,335)	\$0	(\$11,014,371)	(\$35,449,853)	(\$4,215,306)	(\$7,105,994)	(\$2,292,665)	(\$954,945)	\$427,733	(\$3,925,048)	(\$9,577,990)	
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	Deficiency Input equals Output (\$0)	\$20,735,371	\$57,654,731	(\$28,437,277)	\$0	(\$1,398,284)	(\$27,827,331)	(\$3,026,978)	(\$5,485,545)	(\$1,602,083)	(\$751,502)	\$641,686	(\$3,760,219)	(\$6,742,569)	
RETURN ON EQUITY COMPONENT OF RATE BASE	9.90%	26.24%	20.73%	7.56%	0.00%	9.51%	1.46%	2.77%	1.80%	3.03%	2.32%	24.70%	-155.20%	2.50%		

Total Gross Plant including USoAs 1600s, 1700s and 2040	\$11,399,684,419
Total Accumulated Depreciation including USoAs 1600s, 1700s and 2040	(\$4,046,608,211)
Total Capital Contributions	(\$748,926,957)
Total Net Plant	\$6,604,149,251
Working Capital	\$258,701,927
Total Rate Base	\$6,862,851,178
Rate Base from I3 TB Data Sheet	\$6,862,851,178
	Rate Base Input Equals Output



2016 Cost Allocation Model

EB-2013-0416

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	35,674,072,033
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Total kWhs from Load Forecast	42,495,980
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Deficiency/sufficiency (RRWF 8, cell F51)	87,754,451
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Miscellaneous Revenue (RRWF 5, cell F48)	50,649,340
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			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
Billing Data															
Forecast kWh	CEN	35,674,072,033	2,016,892,798	5,309,959,964	5,192,678,435	-	2,206,447,679	2,438,092,291	609,041,231	1,077,211,367	124,955,158	22,050,910	24,648,223	22,988,381	16,629,105,596
Forecast kW	CDEM	42,495,980	-	-	-	-	-	8,493,971	-	3,045,878	-	-	-	232,370	30,723,761
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,929,209	-	-	-	-	-	1,275,048	-	458,558	-	-	-	195,603	-
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	24,020,162,340	2,016,892,798	5,309,959,964	5,192,678,435	-	2,206,447,679	2,438,092,291	609,041,231	1,077,211,367	124,955,158	22,050,910	24,648,223	22,988,381	4,975,195,903
Existing Monthly Charge			\$19.07	\$26.03	\$65.52	\$28.62	\$26.35	\$74.99	\$20.05	\$78.74	\$3.82	\$2.32	\$36.79	\$73.55	\$830.75
Existing Distribution kWh Rate			\$0.0208	\$0.0331	\$0.0424	\$0.0764	\$0.0532		\$0.0228		\$0.0827	\$0.1034	\$0.0308		
Existing Distribution kW Rate								\$13.0657		\$7.5435				\$5.9510	\$1.1465
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,341,847,285	\$90,456,549	\$334,979,676	\$547,049,247	\$0	\$147,038,925	\$116,555,454	\$18,170,642	\$24,778,174	\$10,559,642	\$3,110,821	\$3,271,539	\$2,520,392	\$43,356,223
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,341,847,285	\$90,456,549	\$334,979,676	\$547,049,247	\$0	\$147,038,925	\$116,555,454	\$18,170,642	\$24,778,174	\$10,559,642	\$3,110,821	\$3,271,539	\$2,520,392	\$43,356,223



2016 Cost Allocation Model

EB-2013-0416

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
Billing Data															
Bad Debt 3 Year Historical Average	BDHA	\$18,833,333	\$2,293,592	\$6,522,306	\$5,908,549	\$0	\$1,400,549	\$1,173,872	\$248,515	\$75,122	\$2,423	\$141,368	\$184	\$200	\$1,066,653
Late Payment 3 Year Historical Average	LPHA	\$12,486,523	1,331,365	4,176,015	4,797,470	-	1,137,824	622,415	148,082	47,362	20,748	24,678	43	3,751	176,770
Number of Bills	CNB	14,360,542	2,541,370	5,554,427	4,317,608	-	1,125,461	74,354	213,691	22,880	59,123	358,085	68,290	15,466	9,788
Number of Devices															
Number of Connections (Unmetered)	CCON	41,120	-	-	-	-	-	-	-	-	20,509	14,920	5,691	-	-
Total Number of Customers	CCA	1,300,367	211,961	509,732	415,751	-	93,788	6,196	17,808	1,907	20,509	14,920	5,691	1,289	816
Bulk Customer Base	CCB	1,300,367	211,961	509,732	415,751	-	93,788	6,196	17,808	1,907	20,509	14,920	5,691	1,289	816
Primary Customer Base	CCP	1,298,925	211,961	509,732	415,751	-	93,788	6,196	17,808	1,907	20,509	14,920	5,691	587	75
Line Transformer Customer Base	CCLT	1,298,850	211,961	509,732	415,751	-	93,788	6,196	17,808	1,907	20,509	14,920	5,691	587	-
Secondary Customer Base	CCS	1,290,160	211,961	509,732	415,751	-	93,788	-	17,808	-	20,509	14,920	5,691	-	-
Weighted - Services	CWCS	1,111,906	105,981	382,299	623,626	-	-	-	-	-	-	-	-	-	-
Weighted Meter Capital	CWMC	270,614,675	31,794,166	76,459,854	72,756,339	-	33,763,843	8,984,398	8,458,598	2,764,701	-	-	-	2,190,984	33,441,791
Weighted Meter Reading	CWMR	220,599	4,845	28,909	115,548	-	39,465	22,941	3,244	5,647	-	-	-	-	-
Weighted Bills	CWNB	16,413,139	2,541,370	5,554,427	4,317,608	-	2,250,923	520,475	427,382	160,162	118,246	7,162	136,579	231,987	146,818

Bad Debt Data

Historic Year:	2010	18,600,000	2,136,164	6,586,128	5,484,017	-	1,428,325	992,491	267,662	89,762	163	333,611	145	364	1,281,167
Historic Year:	2011	19,100,000	2,449,175	6,512,513	5,381,098	-	1,232,416	1,397,055	165,705	60,194	1,336	30,593	44	-	1,869,873
Historic Year:	2012	18,800,000	2,295,438	6,468,276	6,860,532	-	1,540,907	1,132,070	312,178	75,411	5,771	59,902	362	235	48,918
Three-year average		18,833,333	2,293,592	6,522,306	5,908,549	-	1,400,549	1,173,872	248,515	75,122	2,423	141,368	184	200	1,066,653



2016 Cost Allocation Model

EB-2013-0416

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	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
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,497,137	408,812	1,168,805	1,210,498	-	328,337	377,503	100,223	141,256	33,315	5,879	3,071	3,534	2,715,903
Bulk Delivery CP	BCP1	6,289,063	395,662	1,131,873	1,173,252	-	318,151	365,406	97,029	136,682	32,278	5,696	2,975	3,418	2,626,640
Total Sytem CP	DCP1	6,497,137	408,812	1,168,805	1,210,498	-	328,337	377,503	100,223	141,256	33,315	5,879	3,071	3,534	2,715,903
4 CP															
Transformation CP	TCP4	25,173,505	1,633,767	4,752,860	4,951,959	-	1,393,394	1,447,599	372,459	567,146	89,908	15,866	12,304	13,199	9,923,044
Bulk Delivery CP	BCP4	24,368,306	1,581,215	4,602,677	4,799,591	-	1,350,169	1,401,211	360,591	548,781	87,108	15,372	11,921	12,766	9,596,906
Total Sytem CP	DCP4	25,173,505	1,633,767	4,752,860	4,951,959	-	1,393,394	1,447,599	372,459	567,146	89,908	15,866	12,304	13,199	9,923,044
12 CP															
Transformation CP	TCP12	68,218,650	4,501,839	11,944,276	12,033,649	-	3,857,507	4,023,180	1,043,331	1,719,803	192,682	34,003	36,831	35,733	28,795,815
Bulk Delivery CP	BCP12	66,032,827	4,357,031	11,566,854	11,663,383	-	3,737,840	3,894,256	1,010,085	1,664,114	186,683	32,944	35,685	34,561	27,849,390
Total Sytem CP	DCP12	68,218,650	4,501,839	11,944,276	12,033,649	-	3,857,507	4,023,180	1,043,331	1,719,803	192,682	34,003	36,831	35,733	28,795,815
NON CO-INCIDENT PEAK															
1 NCP															
Classification NCP from															
Load Data Provider	DNCP1	7,138,527	446,758	1,294,720	1,329,110	-	442,591	436,935	126,204	203,319	50,561	8,923	3,113	4,073	2,792,220
Primary NCP	PNCP1	4,189,944	427,968	1,230,026	1,248,459	-	417,206	411,814	120,366	193,638	47,736	8,424	2,939	393	80,975
Line Transformer NCP	LTNCP1	4,017,668	427,968	1,230,026	1,248,459	-	417,206	349,996	120,366	164,485	47,736	8,424	2,939	62	-
Secondary NCP	SNCP1	3,408,177	422,666	1,203,271	1,202,815	-	403,824	-	118,279	-	46,301	8,171	2,850	-	-
4 NCP															
Classification NCP from															
Load Data Provider	DNCP4	27,247,024	1,739,701	4,812,893	4,958,275	-	1,692,337	1,732,806	482,984	764,396	193,481	34,144	12,400	15,925	10,807,681
Primary NCP	PNCP4	15,855,012	1,666,534	4,572,407	4,657,406	-	1,595,271	1,633,182	460,640	727,996	182,673	32,236	11,708	1,536	313,424
Line Transformer NCP	LTNCP4	15,185,535	1,666,534	4,572,407	4,657,406	-	1,595,271	1,388,021	460,640	618,396	182,673	32,236	11,708	243	-
Secondary NCP	SNCP4	12,822,524	1,645,885	4,472,949	4,487,127	-	1,544,103	-	452,656	-	177,181	31,267	11,356	-	-
12 NCP															
Classification NCP from															
Load Data Provider	DNCP12	73,161,426	4,841,585	12,373,476	12,317,112	-	4,681,913	4,939,963	1,334,263	2,132,676	457,130	80,670	36,983	45,052	29,920,604
Primary NCP	PNCP12	41,750,580	4,637,961	11,755,208	11,569,706	-	4,413,378	4,655,950	1,272,536	2,031,120	431,594	76,164	34,917	4,346	867,700
Line Transformer NCP	LTNCP12	39,874,522	4,637,961	11,755,208	11,569,706	-	4,413,378	3,957,035	1,272,536	1,725,335	431,594	76,164	34,917	688	-
Secondary NCP	SNCP12	33,275,375	4,580,497	11,499,513	11,146,708	-	4,271,819	-	1,250,480	-	418,617	73,874	33,867	-	-

		A		B		C		D=A-C		E		F=A/B		G		H=B*G		I=H-A		J=I/D		K		L=J-K-C	
	Number of Customers	GWh	kWs	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2015 R/C Ratio	R/C Ratio from the CAM	Target 2016 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Fixed Rev %	All Fixed Charge (\$/month)					
UR	211,691	2,016	-	101,538,780	80,469,198	4,554,915	96,983,865	1.23	1.26	1.18	95,027,449	(6,511,331)	-7%	\$ 19.07	\$ 48,451,994	\$ 42,020,541	0.0208		54%	35.62					
R1	439,437	5,030	-	338,695,938	295,006,971	12,743,763	325,952,175	1.18	1.19	1.14	326,101,803	(12,594,135)	-4%	\$ 26.62	\$ 137,242,103	\$ 176,115,565	0.0350		44%	59.42					
R2	331,826	4,805	-	514,935,389	557,358,490	16,376,784	498,558,605	0.93	0.92	0.93	517,560,694	2,625,305	1%	\$ 65.52	\$ 260,898,648	\$ 240,898,262	0.0500		52%	125.87					
Seasonal	154,490	669	-	115,056,347	110,795,112	3,299,907	111,756,440	1.03	1.04	1.04	115,056,347	-	0%	\$ 28.62	\$ 53,063,165	\$ 58,693,274	0.0878		47%	60.28					
GSe	93,788	2,206	-	162,492,490	160,107,944	4,709,601	157,782,889	1.01	1.01	1.01	162,492,490	-	0%	\$ 28.33	\$ 31,899,826	\$ 125,893,063	0.0571		20%						
GSd	6,196	2,438	8,493,971	127,689,615	148,428,600	2,617,590	125,072,025	0.88	0.86	0.93	137,830,159	10,140,543	8%	\$ 85.97	\$ 6,392,443	\$ 128,820,126		15.1661	5%						
UGe	17,808	609	-	20,168,224	22,569,634	669,874	19,498,350	0.88	0.89	0.93	20,958,065	789,841	4%	\$ 22.51	\$ 4,100,518	\$ 15,477,673	0.0254		24%						
UGd	1,907	1,077	3,045,878	27,021,654	31,092,976	432,968	26,588,687	0.88	0.87	0.93	28,872,803	1,851,149	7%	\$ 89.80	\$ 2,054,627	\$ 26,385,209		8.6626	7%						
St Lgt	4,927	125	-	11,657,914	13,187,435	326,691	11,331,223	0.88	0.88	0.93	12,245,795	587,882	5%	\$ 4.33	\$ 255,955	\$ 11,663,149	0.0933		2%						
Sen Lgt	29,840	22	-	7,009,085	7,745,903	3,670,960	3,338,125	0.92	0.90	0.93	7,129,812	183,727	6%	\$ 2.66	\$ 953,679	\$ 2,568,173	0.1165		27%						
USL	5,691	25	-	3,615,179	2,949,501	104,592	3,510,586	1.21	1.23	1.16	3,429,815	(185,364)	-5%	\$ 37.53	\$ 2,563,016	\$ 762,206	0.0309		77%						
DGen	1,289	23	232,370	2,832,465	6,569,520	127,911	2,704,554	0.55	0.43	0.51	3,366,726	534,260	20%	\$ 120.01	\$ 1,855,978	\$ 1,382,836		5.9510	66%						
ST	816	16,629	30,723,761	47,537,996	53,969,794	1,013,784	46,524,212	0.88	0.88	0.93	50,116,118	2,578,122	6%	\$ 938.63	\$ 9,187,157	\$ 39,915,177		1.2992	19%						
Total		1,299,705	35,674	42,495,980	\$ 1,480,251,076	\$ 1,480,251,076	\$ 50,649,340	\$ 1,429,601,736			1,480,251,076	\$ (0.00)			\$ 559,619,110	\$ 869,982,626									
																Total Rev	\$ 1,429,601,736								
																Misc Rev	\$ 50,649,340								
																Total Rev Req	\$ 1,480,251,076								
																2016 Revenue at 2015 rates	\$ 1,332,255,381								
																7									

2016 Rate Design (Seasonal Eliminated)

		A	B	C	D=A-C	E	F=A/B	G	H=B*G	I=H-A	J=I/D			K	L=J-K-C						
	Number of Customers	GWh	kWs	Revenue	Alloc Cost	Misc Rev	Revenue from Rates	2015 R/C Ratio	R/C Ratio from the CAM	Target 2016 R/C Ratio	Total rev to be collected	Shifted Rev	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Fixed Rev %	All Fixed Charge (\$/month)	
UR	211,961	2,017	-	100,926,897	80,191,526	4,554,648	96,372,248	1.23	1.26	1.18	94,568,787	(6,358,109)	-7%	\$ 19.07	\$ 48,513,882	\$ 41,500,257	0.0206		54%	35.39	
R1	509,732	5,310	-	370,782,669	313,127,937	13,895,912	356,886,757	1.18	1.18	1.14	357,611,700	(13,170,969)	-4%	\$ 26.03	\$ 159,196,212	\$ 184,519,576	0.0347		46%	56.19	
R2	415,751	5,193	-	601,299,722	629,736,999	18,474,417	582,825,305	0.93	0.95	0.95	601,299,722	-	0%	\$ 65.52	\$ 326,884,709	\$ 255,940,597	0.0493		56%	116.82	
Seasonal	-	-	-	-	-	-	-	1.03	0.00	0.00	-	-	-								
GSe	93,788	2,206	-	161,379,844	162,778,128	4,724,832	156,655,012	1.01	0.99	0.99	161,379,844	-	0%	\$ 28.13	\$ 31,661,869	\$ 124,993,143	0.0566		20%		
GSd	6,196	2,438	8,493,971	126,823,388	154,650,719	2,645,412	124,177,975	0.88	0.82	0.91	140,380,643	13,557,256	11%	\$ 87.58	\$ 6,511,707	\$ 131,223,524		15.4490	5%		
UGe	17,808	609	-	20,030,802	23,057,780	671,832	19,358,970	0.88	0.87	0.91	20,930,171	899,369	5%	\$ 22.48	\$ 4,803,440	\$ 15,454,899	0.0254		24%		
UGd	1,907	1,077	3,045,878	26,836,631	32,322,176	438,008	26,398,623	0.88	0.83	0.91	29,339,714	2,503,083	9%	\$ 91.26	\$ 2,087,994	\$ 26,813,712		8.8033	7%		
St Lgt	4,927	125	-	11,576,837	13,178,920	326,613	11,250,224	0.88	0.88	0.91	11,962,862	386,026	3%	\$ 4.23	\$ 249,881	\$ 11,386,369	0.0911		2%		
Sen Lgt	29,840	22	-	6,985,104	7,736,607	3,670,841	3,314,263	0.92	0.90	0.91	7,022,727	37,623	1%	\$ 2.53	\$ 907,654	\$ 2,444,232	0.1108		27%		
USL	5,691	25	-	3,590,069	2,948,384	104,578	3,485,492	1.21	1.22	1.16	3,416,646	(173,424)	-5%	\$ 37.38	\$ 2,552,877	\$ 759,191	0.0308		77%		
DGen	1,289	23	232,370	2,813,152	6,573,370	127,930	2,685,221	0.55	0.43	0.51	3,367,718	554,566	21%	\$ 120.07	\$ 1,856,951	\$ 1,382,836		5.9510	66%		
ST	816	16,629	30,723,761	47,205,961	53,948,530	1,014,317	46,191,644	0.88	0.88	0.91	48,970,541	1,764,580	4%	\$ 916.72	\$ 8,972,717	\$ 38,983,507		1.2688	19%		
Total	1,299,705	35,674	42,495,980	\$ 1,480,251,076	\$ 1,480,251,076	\$ 50,649,340	\$ 1,429,601,736				1,480,251,076	\$ (0.00)		\$ 594,199,894	\$ 835,401,842						
														Total Rev	\$ 1,429,601,736						
														Misc Rev	\$ 50,649,340						
														Total Rev Req	\$ 1,480,251,076						
														2016 Revenue at 2015 rates	\$ 1,341,847,285						
																6.5398%					

2016 Bill Impacts (Low Consumption Level)

Filed: 2015-08-04
HONI Elimination of Seasonal Class Report
Appendix E
Page 1 of 39

Rate Class	UR
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	105.7
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)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	26.16%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	26.16%	
TOU-Off Peak	64	0.080	5.12	64	0.080	5.12	0.00	0.00%		13.91%
TOU-Mid Peak	18	0.122	2.20	18	0.122	2.20	0.00	0.00%		5.97%
TOU-On Peak	18	0.161	2.90	18	0.161	2.90	0.00	0.00%		7.87%
Sub-Total: Energy (TOU)			10.21			10.21	0.00	0.00%	28.43%	27.75%
Service Charge	1	19.07	19.07	1	19.07	19.07	0.00	0.00%	53.08%	51.82%
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	1.01	1.01	1	0.65	0.65	-0.36	-35.64%	1.81%	1.77%
Distribution Volumetric Rate	100	0.0208	2.08	100	0.0208	2.08	0.00	0.00%	5.79%	5.65%
Volumetric Deferral/Variance Account Rider	100	-0.0002	-0.02	100	-0.0002	-0.02	0.00	0.00%	-0.06%	-0.05%
Sub-Total: Distribution (excluding pass through)			22.14			21.78	-0.36	-1.63%	60.62%	59.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.20%	2.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.09	0.54	6	0.09	0.54	0.00	0.00%	1.49%	1.46%
Line Losses on Cost of Power (based on TOU prices)	6	0.10	0.58	6	0.10	0.58	0.00	0.00%	1.62%	1.58%
Sub-Total: Distribution (based on two-tier RPP prices)			23.47			23.11	-0.36	-1.53%	64.31%	62.78%
Sub-Total: Distribution (based on TOU prices)			23.51			23.15	-0.36	-1.53%	64.44%	62.91%
Retail Transmission Rate – Network Service Rate	106	0.007	0.74	106	0.0069	0.73	-0.01	-1.43%	2.03%	1.98%
Retail Transmission Rate – Line and Transformation Connection Se	106	0.005	0.53	106	0.0051	0.54	0.01	2.00%	1.50%	1.46%
Sub-Total: Retail Transmission			1.27			1.27	0.00	0.00%	3.53%	3.45%
Sub-Total: Delivery (based on two-tier RPP prices)			24.73			24.37	-0.36	-1.46%	67.84%	66.23%
Sub-Total: Delivery (based on TOU prices)			24.78			24.42	-0.36	-1.45%	67.97%	66.36%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.29%	1.26%
Rural Rate Protection Charge	106	0.0013	0.14	106	0.0013	0.14	0.00	0.00%	0.38%	0.37%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.70%	0.68%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	2.37%	2.32%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.95%	1.90%
Total Bill on Two-Tier RPP (before Taxes)			35.69			35.33	-0.36	-1.01%	98.33%	
HST		0.13	4.64		0.13	4.59	-0.05	-1.01%	12.78%	
Total Bill (including HST)			40.33			39.92	-0.41	-1.01%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.03		-0.10	-3.99	0.04	-1.01%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			36.29			35.93	-0.37	-1.01%	100.00%	
Total Bill on TOU (before Taxes)			36.55			36.19	-0.36	-0.99%		98.33%
HST		0.13	4.75		0.13	4.70	-0.05	-0.99%		12.78%
Total Bill (including HST)			41.30			40.89	-0.41	-0.99%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.13		-0.10	-4.09	0.04	-0.99%		-11.11%
Total Bill on TOU (including OCEB)			37.17			36.80	-0.37	-0.99%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	845.6
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	39.27%	
Energy Second Tier (kWh)	200	0.110	22.00	200	0.110	22.00	0.00	0.00%	15.32%	
Sub-Total: Energy (RPP)			78.40			78.40	0.00	0.00%	54.59%	
TOU-Off Peak	512	0.080	40.96	512	0.080	40.96	0.00	0.00%		27.93%
TOU-Mid Peak	144	0.122	17.57	144	0.122	17.57	0.00	0.00%		11.98%
TOU-On Peak	144	0.161	23.18	144	0.161	23.18	0.00	0.00%		15.81%
Sub-Total: Energy (TOU)			81.71			81.71	0.00	0.00%	56.89%	55.73%
Service Charge	1	19.07	19.07	1	19.07	19.07	0.00	0.00%	13.28%	13.01%
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	1.01	1.01	1	0.65	0.65	-0.36	-35.64%	0.45%	0.44%
Distribution Volumetric Rate	800	0.0208	16.64	800	0.0208	16.64	0.00	0.00%	11.59%	11.35%
Volumetric Deferral/Variance Account Rider	800	-0.0002	-0.16	800	-0.0002	-0.16	0.00	0.00%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			36.56			36.20	-0.36	-0.98%	25.20%	24.69%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.55%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.11	5.02	46	0.11	5.02	0.00	0.00%	3.49%	3.42%
Line Losses on Cost of Power (based on TOU prices)	46	0.10	4.66	46	0.10	4.66	0.00	0.00%	3.24%	3.18%
Sub-Total: Distribution (based on two-tier RPP prices)			42.37			42.01	-0.36	-0.85%	29.25%	28.65%
Sub-Total: Distribution (based on TOU prices)			42.01			41.65	-0.36	-0.86%	29.00%	28.40%
Retail Transmission Rate – Network Service Rate	846	0.007	5.92	846	0.0069	5.83	-0.08	-1.43%	4.06%	3.98%
Retail Transmission Rate – Line and Transformation Connection \$	846	0.005	4.23	846	0.0051	4.31	0.08	2.00%	3.00%	2.94%
Sub-Total: Retail Transmission			10.15			10.15	0.00	0.00%	7.07%	6.92%
Sub-Total: Delivery (based on two-tier RPP prices)			52.51			52.15	-0.36	-0.69%	36.31%	35.57%
Sub-Total: Delivery (based on TOU prices)			52.15			51.79	-0.36	-0.69%	36.06%	35.32%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.59%	2.54%
Rural Rate Protection Charge	846	0.0013	1.10	846	0.0013	1.10	0.00	0.00%	0.77%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.07			5.07	0.00	0.00%	3.53%	3.46%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.90%	3.82%
Total Bill on Two-Tier RPP (before Taxes)			141.58			141.22	-0.36	-0.25%	98.33%	
HST		0.13	18.41		0.13	18.36	-0.05	-0.25%	12.78%	
Total Bill (including HST)			159.99			159.58	-0.41	-0.25%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.00		-0.10	-15.96	0.04	-0.25%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			143.99			143.62	-0.37	-0.25%	100.00%	
Total Bill on TOU (before Taxes)			144.54			144.18	-0.36	-0.25%		98.33%
HST		0.13	18.79		0.13	18.74	-0.05	-0.25%		12.78%
Total Bill (including HST)			163.33			162.92	-0.41	-0.25%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.33		-0.10	-16.29	0.04	-0.25%		-11.11%
Total Bill on TOU (including OCEB)			146.99			146.63	-0.37	-0.25%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2114
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	16.49%	
Energy Second Tier (kWh)	1,400	0.110	154.00	1,400	0.110	154.00	0.00	0.00%	45.02%	
Sub-Total: Energy (RPP)			210.40			210.40	0.00	0.00%	61.51%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		30.58%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		13.11%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		17.31%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	59.72%	61.00%
Service Charge	1	19.07	19.07	1	19.07	19.07	0.00	0.00%	5.58%	5.69%
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	1.01	1.01	1	0.65	0.65	-0.36	-35.64%	0.19%	0.19%
Distribution Volumetric Rate	2,000	0.0208	41.60	2,000	0.0208	41.60	0.00	0.00%	12.16%	12.42%
Volumetric Deferral/Variance Account Rider	2,000	-0.0002	-0.40	2,000	-0.0002	-0.40	0.00	0.00%	-0.12%	-0.12%
Sub-Total: Distribution (excluding pass through)			61.28			60.92	-0.36	-0.59%	17.81%	18.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.23%	0.24%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.11	12.54	114	0.11	12.54	0.00	0.00%	3.67%	3.74%
Line Losses on Cost of Power (based on TOU prices)	114	0.10	11.64	114	0.10	11.64	0.00	0.00%	3.40%	3.48%
Sub-Total: Distribution (based on two-tier RPP prices)			74.61			74.25	-0.36	-0.48%	21.71%	22.17%
Sub-Total: Distribution (based on TOU prices)			73.71			73.35	-0.36	-0.49%	21.45%	21.90%
Retail Transmission Rate – Network Service Rate	2,114	0.007	14.80	2,114	0.0069	14.59	-0.21	-1.43%	4.26%	4.36%
Retail Transmission Rate – Line and Transformation Connection \$	2,114	0.005	10.57	2,114	0.0051	10.78	0.21	2.00%	3.15%	3.22%
Sub-Total: Retail Transmission			25.37			25.37	0.00	0.00%	7.42%	7.57%
Sub-Total: Delivery (based on two-tier RPP prices)			99.98			99.62	-0.36	-0.36%	29.13%	29.75%
Sub-Total: Delivery (based on TOU prices)			99.08			98.72	-0.36	-0.36%	28.86%	29.48%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	2.72%	2.78%
Rural Rate Protection Charge	2,114	0.0013	2.75	2,114	0.0013	2.75	0.00	0.00%	0.80%	0.82%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.60%	3.67%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.09%	4.18%
Total Bill on Two-Tier RPP (before Taxes)			336.68			336.32	-0.36	-0.11%	98.33%	
HST		0.13	43.77		0.13	43.72	-0.05	-0.11%	12.78%	
Total Bill (including HST)			380.45			380.04	-0.41	-0.11%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.04		-0.10	-38.00	0.04	-0.11%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			342.40			342.04	-0.37	-0.11%	100.00%	
Total Bill on TOU (before Taxes)			329.66			329.30	-0.36	-0.11%		98.33%
HST		0.13	42.86		0.13	42.81	-0.05	-0.11%		12.78%
Total Bill (including HST)			372.52			372.11	-0.41	-0.11%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.25		-0.10	-37.21	0.04	-0.11%		-11.11%
Total Bill on TOU (including OCEB)			335.27			334.90	-0.37	-0.11%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	107.6
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)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	21.01%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	21.01%	
TOU-Off Peak	64	0.080	5.12	64	0.080	5.12	0.00	0.00%		11.22%
TOU-Mid Peak	18	0.122	2.20	18	0.122	2.20	0.00	0.00%		4.81%
TOU-On Peak	18	0.161	2.90	18	0.161	2.90	0.00	0.00%		6.35%
Sub-Total: Energy (TOU)			10.21			10.21	0.00	0.00%	22.83%	22.39%
Service Charge	1	26.03	26.03	1	26.03	26.03	0.00	0.00%	58.19%	57.05%
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	1.14	1.14	1	0.73	0.73	-0.41	-35.96%	1.63%	1.60%
Distribution Volumetric Rate	100	0.0331	3.31	100	0.035	3.50	0.19	5.74%	7.82%	7.67%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.48			30.26	-0.22	-0.72%	67.64%	66.32%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.77%	1.73%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.09	0.71	8	0.09	0.71	0.00	0.00%	1.60%	1.57%
Line Losses on Cost of Power (based on TOU prices)	8	0.10	0.78	8	0.10	0.78	0.00	0.00%	1.74%	1.70%
Sub-Total: Distribution (based on two-tier RPP prices)			31.98			31.76	-0.22	-0.69%	71.01%	69.62%
Sub-Total: Distribution (based on TOU prices)			32.05			31.83	-0.22	-0.69%	71.14%	69.76%
Retail Transmission Rate – Network Service Rate	108	0.0066	0.71	108	0.0068	0.73	0.02	3.03%	1.64%	1.60%
Retail Transmission Rate – Line and Transformation Connection \$	108	0.0048	0.52	108	0.0049	0.53	0.01	2.08%	1.18%	1.16%
Sub-Total: Retail Transmission			1.23			1.26	0.03	2.63%	2.81%	2.76%
Sub-Total: Delivery (based on two-tier RPP prices)			33.21			33.02	-0.19	-0.57%	73.82%	72.38%
Sub-Total: Delivery (based on TOU prices)			33.27			33.09	-0.19	-0.56%	73.96%	72.52%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.06%	1.04%
Rural Rate Protection Charge	108	0.0013	0.14	108	0.0013	0.14	0.00	0.00%	0.31%	0.31%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.56%	0.55%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.93%	1.89%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.56%	1.53%
Total Bill on Two-Tier RPP (before Taxes)			44.17			43.99	-0.19	-0.42%	98.33%	
HST		0.13	5.74		0.13	5.72	-0.02	-0.42%		12.78%
Total Bill (including HST)			49.92			49.70	-0.21	-0.42%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.99		-0.10	-4.97	0.02	-0.42%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			44.93			44.73	-0.19	-0.42%	100.00%	
Total Bill on TOU (before Taxes)			45.05			44.86	-0.19	-0.42%		98.33%
HST		0.13	5.86		0.13	5.83	-0.02	-0.42%		12.78%
Total Bill (including HST)			50.91			50.69	-0.21	-0.42%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.09		-0.10	-5.07	0.02	-0.42%	-11.11%	
Total Bill on TOU (including OCEB)			45.82			45.63	-0.19	-0.42%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	860.8
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.094	56.40	600	0.094	56.40	0.00	0.00%	34.35%	
Energy Second Tier (kWh)	200	0.110	22.00	200	0.110	22.00	0.00	0.00%	13.40%	
Sub-Total: Energy (RPP)			78.40			78.40	0.00	0.00%	47.74%	
TOU-Off Peak	512	0.080	40.96	512	0.080	40.96	0.00	0.00%		24.51%
TOU-Mid Peak	144	0.122	17.57	144	0.122	17.57	0.00	0.00%		10.51%
TOU-On Peak	144	0.161	23.18	144	0.161	23.18	0.00	0.00%		13.87%
Sub-Total: Energy (TOU)			81.71			81.71	0.00	0.00%	49.76%	48.90%
Service Charge	1	26.03	26.03	1	26.03	26.03	0.00	0.00%	15.85%	15.58%
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	1.14	1.14	1	0.73	0.73	-0.41	-35.96%	0.44%	0.44%
Distribution Volumetric Rate	800	0.0331	26.48	800	0.035	28.00	1.52	5.74%	17.05%	16.76%
Volumetric Deferral/Variance Account Rider	800	0.0000	0.00	800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.65			54.76	1.11	2.07%	33.35%	32.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.48%	0.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.11	6.69	61	0.11	6.69	0.00	0.00%	4.07%	4.00%
Line Losses on Cost of Power (based on TOU prices)	61	0.10	6.21	61	0.10	6.21	0.00	0.00%	3.78%	3.72%
Sub-Total: Distribution (based on two-tier RPP prices)			61.13			62.24	1.11	1.82%	37.90%	37.25%
Sub-Total: Distribution (based on TOU prices)			60.65			61.76	1.11	1.83%	37.61%	36.96%
Retail Transmission Rate – Network Service Rate	861	0.0066	5.68	861	0.0068	5.85	0.17	3.03%	3.56%	3.50%
Retail Transmission Rate – Line and Transformation Connection \$	861	0.0048	4.13	861	0.0049	4.22	0.09	2.08%	2.57%	2.52%
Sub-Total: Retail Transmission			9.81			10.07	0.26	2.63%	6.13%	6.03%
Sub-Total: Delivery (based on two-tier RPP prices)			70.94			72.31	1.37	1.93%	44.03%	43.27%
Sub-Total: Delivery (based on TOU prices)			70.46			71.83	1.37	1.94%	43.74%	42.99%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.31%	2.27%
Rural Rate Protection Charge	861	0.0013	1.12	861	0.0013	1.12	0.00	0.00%	0.68%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.15%
Sub-Total: Regulatory			5.16			5.16	0.00	0.00%	3.14%	3.09%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.41%	3.35%
Total Bill on Two-Tier RPP (before Taxes)			160.10			161.47	1.37	0.85%	98.33%	
HST		0.13	20.81		0.13	20.99	0.18	0.85%	12.78%	
Total Bill (including HST)			180.91			182.46	1.55	0.85%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.09		-0.10	-18.25	-0.15	0.85%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			162.82			164.21	1.39	0.85%	100.00%	
Total Bill on TOU (before Taxes)			162.93			164.30	1.37	0.84%		98.33%
HST		0.13	21.18		0.13	21.36	0.18	0.84%		12.78%
Total Bill (including HST)			184.11			185.66	1.55	0.84%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.41		-0.10	-18.57	-0.15	0.84%		-11.11%
Total Bill on TOU (including OCEB)			165.70			167.09	1.39	0.84%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2152
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	14.73%	
Energy Second Tier (kWh)	1,400	0.110	154.00	1,400	0.110	154.00	0.00	0.00%	40.23%	
Sub-Total: Energy (RPP)			210.40			210.40	0.00	0.00%	54.97%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		27.28%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		11.70%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		15.44%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	53.37%	54.43%
Service Charge	1	26.03	26.03	1	26.03	26.03	0.00	0.00%	6.80%	6.94%
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	1.14	1.14	1	0.73	0.73	-0.41	-35.96%	0.19%	0.19%
Distribution Volumetric Rate	2,000	0.0331	66.20	2,000	0.035	70.00	3.80	5.74%	18.29%	18.65%
Volumetric Deferral/Variance Account Rider	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			93.37			96.76	3.39	3.63%	25.28%	25.78%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.21%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.11	16.72	152	0.11	16.72	0.00	0.00%	4.37%	4.45%
Line Losses on Cost of Power (based on TOU prices)	152	0.10	15.53	152	0.10	15.53	0.00	0.00%	4.06%	4.14%
Sub-Total: Distribution (based on two-tier RPP prices)			110.88			114.27	3.39	3.06%	29.85%	30.45%
Sub-Total: Distribution (based on TOU prices)			109.69			113.08	3.39	3.09%	29.54%	30.13%
Retail Transmission Rate – Network Service Rate	2,152	0.0066	14.20	2,152	0.0068	14.63	0.43	3.03%	3.82%	3.90%
Retail Transmission Rate – Line and Transformation Connection \$	2,152	0.0048	10.33	2,152	0.0049	10.54	0.22	2.08%	2.75%	2.81%
Sub-Total: Retail Transmission			24.53			25.18	0.65	2.63%	6.58%	6.71%
Sub-Total: Delivery (based on two-tier RPP prices)			135.41			139.45	4.04	2.98%	36.43%	37.15%
Sub-Total: Delivery (based on TOU prices)			134.22			138.25	4.04	3.01%	36.12%	36.84%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.47%	2.52%
Rural Rate Protection Charge	2,152	0.0013	2.80	2,152	0.0013	2.80	0.00	0.00%	0.73%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.52			12.52	0.00	0.00%	3.27%	3.33%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.66%	3.73%
Total Bill on Two-Tier RPP (before Taxes)			372.33			376.36	4.04	1.08%	98.33%	
HST		0.13	48.40		0.13	48.93	0.52	1.08%	12.78%	
Total Bill (including HST)			420.73			425.29	4.56	1.08%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.07		-0.10	-42.53	-0.46	1.08%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			378.66			382.76	4.10	1.08%	100.00%	
Total Bill on TOU (before Taxes)			365.01			369.05	4.04	1.11%		98.33%
HST		0.13	47.45		0.13	47.98	0.52	1.11%		12.78%
Total Bill (including HST)			412.47			417.03	4.56	1.11%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.25		-0.10	-41.70	-0.46	1.11%		-11.11%
Total Bill on TOU (including OCEB)			371.22			375.32	4.10	1.11%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	110.5
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)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	17.06%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	17.06%	
TOU-Off Peak	64	0.080	5.12	64	0.080	5.12	0.00	0.00%		9.14%
TOU-Mid Peak	18	0.122	2.20	18	0.122	2.20	0.00	0.00%		3.92%
TOU-On Peak	18	0.161	2.90	18	0.161	2.90	0.00	0.00%		5.17%
Sub-Total: Energy (TOU)			10.21			10.21	0.00	0.00%	18.53%	18.23%
Service Charge	1	34.02	34.02	1	34.02	34.02	0.00	0.00%	61.72%	60.72%
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	1.85	1.85	1	1.17	1.17	-0.68	-36.76%	2.12%	2.09%
Distribution Volumetric Rate	100	0.0424	4.24	100	0.05	5.00	0.76	17.92%	9.07%	8.92%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			40.12			40.20	0.08	0.20%	72.94%	71.75%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.43%	1.41%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	0.99	11	0.09	0.99	0.00	0.00%	1.79%	1.76%
Line Losses on Cost of Power (based on TOU prices)	11	0.10	1.07	11	0.10	1.07	0.00	0.00%	1.95%	1.91%
Sub-Total: Distribution (based on two-tier RPP prices)			41.90			41.98	0.08	0.19%	76.16%	74.92%
Sub-Total: Distribution (based on TOU prices)			41.98			42.06	0.08	0.19%	76.32%	75.07%
Retail Transmission Rate – Network Service Rate	111	0.0063	0.70	111	0.0065	0.72	0.02	3.17%	1.30%	1.28%
Retail Transmission Rate – Line and Transformation Connection \$	111	0.0045	0.50	111	0.0047	0.52	0.02	4.44%	0.94%	0.93%
Sub-Total: Retail Transmission			1.19			1.24	0.04	3.70%	2.25%	2.21%
Sub-Total: Delivery (based on two-tier RPP prices)			43.09			43.21	0.12	0.29%	78.41%	77.13%
Sub-Total: Delivery (based on TOU prices)			43.18			43.30	0.12	0.29%	78.56%	77.28%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.88%	0.87%
Rural Rate Protection Charge	111	0.0013	0.14	111	0.0013	0.14	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%	0.45%	0.45%
Sub-Total: Regulatory			0.88			0.88	0.00	0.00%	1.60%	1.57%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.27%	1.25%
Total Bill on Two-Tier RPP (before Taxes)			54.07			54.19	0.12	0.23%	98.33%	
HST		0.13	7.03		0.13	7.05	0.02	0.23%	12.78%	
Total Bill (including HST)			61.10			61.24	0.14	0.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.11		-0.10	-6.12	-0.01	0.23%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			54.99			55.12	0.13	0.23%	100.00%	
Total Bill on TOU (before Taxes)			54.97			55.09	0.12	0.23%		98.33%
HST		0.13	7.15		0.13	7.16	0.02	0.23%		12.78%
Total Bill (including HST)			62.12			62.26	0.14	0.23%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.21		-0.10	-6.23	-0.01	0.23%		-11.11%
Total Bill on TOU (including OCEB)			55.90			56.03	0.13	0.23%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	884
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	30.06%	
Energy Second Tier (kWh)	200	0.110	22.00	200	0.110	22.00	0.00	0.00%	11.73%	
Sub-Total: Energy (RPP)			78.40			78.40	0.00	0.00%	41.79%	
TOU-Off Peak	512	0.080	40.96	512	0.080	40.96	0.00	0.00%		21.52%
TOU-Mid Peak	144	0.122	17.57	144	0.122	17.57	0.00	0.00%		9.23%
TOU-On Peak	144	0.161	23.18	144	0.161	23.18	0.00	0.00%		12.18%
Sub-Total: Energy (TOU)			81.71			81.71	0.00	0.00%	43.55%	42.93%
Service Charge	1	34.02	34.02	1	34.02	34.02	0.00	0.00%	18.13%	17.87%
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	1.85	1.85	1	1.17	1.17	-0.68	-36.76%	0.62%	0.61%
Distribution Volumetric Rate	800	0.0424	33.92	800	0.05	40.00	6.08	17.92%	21.32%	21.02%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			69.87			75.27	5.40	7.73%	40.12%	39.55%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.42%	0.42%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.11	9.24	84	0.11	9.24	0.00	0.00%	4.92%	4.85%
Line Losses on Cost of Power (based on TOU prices)	84	0.10	8.58	84	0.10	8.58	0.00	0.00%	4.57%	4.51%
Sub-Total: Distribution (based on two-tier RPP prices)			79.90			85.30	5.40	6.76%	45.46%	44.82%
Sub-Total: Distribution (based on TOU prices)			79.24			84.64	5.40	6.81%	45.11%	44.47%
Retail Transmission Rate – Network Service Rate	884	0.0063	5.57	884	0.0065	5.75	0.18	3.17%	3.06%	3.02%
Retail Transmission Rate – Line and Transformation Connection \$	884	0.0045	3.98	884	0.0047	4.15	0.18	4.44%	2.21%	2.18%
Sub-Total: Retail Transmission			9.55			9.90	0.35	3.70%	5.28%	5.20%
Sub-Total: Delivery (based on two-tier RPP prices)			89.45			95.20	5.75	6.43%	50.74%	50.02%
Sub-Total: Delivery (based on TOU prices)			88.79			94.54	5.75	6.48%	50.39%	49.67%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.07%	2.04%
Rural Rate Protection Charge	884	0.0013	1.15	884	0.0013	1.15	0.00	0.00%	0.61%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			5.29			5.29	0.00	0.00%	2.82%	2.78%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.98%	2.94%
Total Bill on Two-Tier RPP (before Taxes)			178.74			184.49	5.75	3.22%	98.33%	
HST		0.13	23.24		0.13	23.98	0.75	3.22%	12.78%	
Total Bill (including HST)			201.97			208.47	6.50	3.22%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.20		-0.10	-20.85	-0.65	3.22%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			181.77			187.63	5.85	3.22%	100.00%	
Total Bill on TOU (before Taxes)			181.39			187.14	5.75	3.17%		98.33%
HST		0.13	23.58		0.13	24.33	0.75	3.17%	12.78%	
Total Bill (including HST)			204.97			211.47	6.50	3.17%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.50		-0.10	-21.15	-0.65	3.17%	-11.11%	
Total Bill on TOU (including OCEB)			184.47			190.32	5.85	3.17%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2210
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	13.16%	
Energy Second Tier (kWh)	1,400	0.110	154.00	1,400	0.110	154.00	0.00	0.00%	35.94%	
Sub-Total: Energy (RPP)			210.40			210.40	0.00	0.00%	49.11%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		24.35%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		10.44%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		13.78%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	47.68%	48.58%
Service Charge	1	34.02	34.02	1	34.02	34.02	0.00	0.00%	7.94%	8.09%
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	1.85	1.85	1	1.17	1.17	-0.68	-36.76%	0.27%	0.28%
Distribution Volumetric Rate	2,000	0.0424	84.80	2,000	0.05	100.00	15.20	17.92%	23.34%	23.78%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			120.87			135.39	14.52	12.01%	31.60%	32.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.11	23.10	210	0.11	23.10	0.00	0.00%	5.39%	5.49%
Line Losses on Cost of Power (based on TOU prices)	210	0.10	21.45	210	0.10	21.45	0.00	0.00%	5.01%	5.10%
Sub-Total: Distribution (based on two-tier RPP prices)			144.76			159.28	14.52	10.03%	37.18%	37.88%
Sub-Total: Distribution (based on TOU prices)			143.11			157.63	14.52	10.15%	36.79%	37.48%
Retail Transmission Rate – Network Service Rate	2,210	0.0063	13.92	2,210	0.0065	14.37	0.44	3.17%	3.35%	3.42%
Retail Transmission Rate – Line and Transformation Connection Se	2,210	0.0045	9.95	2,210	0.0047	10.39	0.44	4.44%	2.42%	2.47%
Sub-Total: Retail Transmission			23.87			24.75	0.88	3.70%	5.78%	5.89%
Sub-Total: Delivery (based on two-tier RPP prices)			168.63			184.03	15.40	9.13%	42.95%	43.76%
Sub-Total: Delivery (based on TOU prices)			166.98			182.38	15.40	9.23%	42.57%	43.37%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.27%	2.31%
Rural Rate Protection Charge	2,210	0.0013	2.87	2,210	0.0013	2.87	0.00	0.00%	0.67%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.85			12.85	0.00	0.00%	3.00%	3.05%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.27%	3.33%
Total Bill on Two-Tier RPP (before Taxes)			405.88			421.28	15.40	3.80%	98.33%	
HST		0.13	52.76		0.13	54.77	2.00	3.80%	12.78%	
Total Bill (including HST)			458.64			476.05	17.41	3.80%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.86		-0.10	-47.60	-1.74	3.80%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			412.77			428.44	15.67	3.80%	100.00%	
Total Bill on TOU (before Taxes)			398.10			413.51	15.40	3.87%		98.33%
HST		0.13	51.75		0.13	53.76	2.00	3.87%		12.78%
Total Bill (including HST)			449.86			467.26	17.41	3.87%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.99		-0.10	-46.73	-1.74	3.87%		-11.11%
Total Bill on TOU (including OCEB)			404.87			420.54	15.67	3.87%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	55.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	50	0.094	4.70	50	0.094	4.70	0.00	0.00%	11.21%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.70			4.70	0.00	0.00%	11.21%	
TOU-Off Peak	32	0.080	2.56	32	0.080	2.56	0.00	0.00%		6.04%
TOU-Mid Peak	9	0.122	1.10	9	0.122	1.10	0.00	0.00%		2.59%
TOU-On Peak	9	0.161	1.45	9	0.161	1.45	0.00	0.00%		3.42%
Sub-Total: Energy (TOU)			5.11			5.11	0.00	0.00%	12.18%	12.05%
Service Charge	1	28.62	28.62	1	28.62	28.62	0.00	0.00%	68.26%	67.52%
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	1.16	1.16	1	0.75	0.75	-0.41	-35.34%	1.79%	1.77%
Distribution Volumetric Rate	50	0.0764	3.82	50	0.0878	4.39	0.57	14.92%	10.47%	10.36%
Volumetric Deferral/Variance Account Rider	50	0.0008	0.04	50	0.0006	0.03	-0.01	-25.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			33.64			33.79	0.15	0.45%	80.59%	79.72%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.88%	1.86%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.49	5	0.09	0.49	0.00	0.00%	1.17%	1.15%
Line Losses on Cost of Power (based on TOU prices)	5	0.10	0.53	5	0.10	0.53	0.00	0.00%	1.27%	1.25%
Sub-Total: Distribution (based on two-tier RPP prices)			34.92			35.07	0.15	0.43%	83.63%	82.73%
Sub-Total: Distribution (based on TOU prices)			34.96			35.11	0.15	0.43%	83.74%	82.83%
Retail Transmission Rate – Network Service Rate	55	0.0054	0.30	55	0.0056	0.31	0.01	3.70%	0.74%	0.73%
Retail Transmission Rate – Line and Transformation Connection \$	55	0.0042	0.23	55	0.0043	0.24	0.01	2.38%	0.57%	0.56%
Sub-Total: Retail Transmission			0.53			0.55	0.02	3.13%	1.30%	1.29%
Sub-Total: Delivery (based on two-tier RPP prices)			35.45			35.62	0.17	0.47%	84.94%	84.02%
Sub-Total: Delivery (based on TOU prices)			35.49			35.66	0.17	0.47%	85.04%	84.12%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.58%	0.57%
Rural Rate Protection Charge	55	0.0013	0.07	55	0.0013	0.07	0.00	0.00%	0.17%	0.17%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.60%	0.59%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.35%	1.33%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.83%	0.83%
Total Bill on Two-Tier RPP (before Taxes)			41.06			41.23	0.17	0.41%	98.33%	
HST		0.13	5.34		0.13	5.36	0.02	0.41%	12.78%	
Total Bill (including HST)			46.40			46.59	0.19	0.41%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.64		-0.10	-4.66	-0.02	0.41%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			41.76			41.93	0.17	0.41%	100.00%	
Total Bill on TOU (before Taxes)			41.51			41.68	0.17	0.40%		98.33%
HST		0.13	5.40		0.13	5.42	0.02	0.40%		12.78%
Total Bill (including HST)			46.91			47.10	0.19	0.40%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.69		-0.10	-4.71	-0.02	0.40%		-11.11%
Total Bill on TOU (including OCEB)			42.22			42.39	0.17	0.40%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	441.6
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	0.094	37.60	400	0.094	37.60	0.00	0.00%	31.61%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			37.60			37.60	0.00	0.00%	31.61%	
TOU-Off Peak	256	0.080	20.48	256	0.080	20.48	0.00	0.00%		16.70%
TOU-Mid Peak	72	0.122	8.78	72	0.122	8.78	0.00	0.00%		7.16%
TOU-On Peak	72	0.161	11.59	72	0.161	11.59	0.00	0.00%		9.45%
Sub-Total: Energy (TOU)			40.86			40.86	0.00	0.00%	34.34%	33.32%
Service Charge	1	28.62	28.62	1	28.62	28.62	0.00	0.00%	24.06%	23.34%
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	1.16	1.16	1	0.75	0.75	-0.41	-35.34%	0.63%	0.61%
Distribution Volumetric Rate	400	0.0764	30.56	400	0.0878	35.12	4.56	14.92%	29.52%	28.64%
Volumetric Deferral/Variance Account Rider	400	0.0008	0.32	400	0.0006	0.24	-0.08	-25.00%	0.20%	0.20%
Sub-Total: Distribution (excluding pass through)			60.66			64.73	4.07	6.71%	54.41%	52.79%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.66%	0.64%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.91	42	0.09	3.91	0.00	0.00%	3.29%	3.19%
Line Losses on Cost of Power (based on TOU prices)	42	0.10	4.25	42	0.10	4.25	0.00	0.00%	3.57%	3.47%
Sub-Total: Distribution (based on two-tier RPP prices)			65.36			69.43	4.07	6.23%	58.37%	56.63%
Sub-Total: Distribution (based on TOU prices)			65.70			69.77	4.07	6.19%	58.65%	56.90%
Retail Transmission Rate – Network Service Rate	442	0.0054	2.38	442	0.0056	2.47	0.09	3.70%	2.08%	2.02%
Retail Transmission Rate – Line and Transformation Connection \$	442	0.0042	1.85	442	0.0043	1.90	0.04	2.38%	1.60%	1.55%
Sub-Total: Retail Transmission			4.24			4.37	0.13	3.13%	3.68%	3.57%
Sub-Total: Delivery (based on two-tier RPP prices)			69.60			73.80	4.20	6.04%	62.04%	60.19%
Sub-Total: Delivery (based on TOU prices)			69.94			74.14	4.20	6.01%	62.33%	60.47%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.63%	1.58%
Rural Rate Protection Charge	442	0.0013	0.57	442	0.0013	0.57	0.00	0.00%	0.48%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.77			2.77	0.00	0.00%	2.33%	2.26%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.35%	2.28%
Total Bill on Two-Tier RPP (before Taxes)			112.77			116.97	4.20	3.73%	98.33%	
HST		0.13	14.66		0.13	15.21	0.55	3.73%	12.78%	
Total Bill (including HST)			127.43			132.18	4.75	3.73%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.74		-0.10	-13.22	-0.47	3.73%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			114.68			118.96	4.27	3.73%	100.00%	
Total Bill on TOU (before Taxes)			116.36			120.56	4.20	3.61%		98.33%
HST		0.13	15.13		0.13	15.67	0.55	3.61%		12.78%
Total Bill (including HST)			131.49			136.24	4.75	3.61%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.15		-0.10	-13.62	-0.47	3.61%		-11.11%
Total Bill on TOU (including OCEB)			118.34			122.61	4.27	3.61%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	1104
Charge determinant	kWh

	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	0.094	56.40	600	0.094	56.40	0.00	0.00%	21.76%	
Energy Second Tier (kWh)	400	0.110	44.00	400	0.110	44.00	0.00	0.00%	16.97%	
Sub-Total: Energy (RPP)			100.40			100.40	0.00	0.00%	38.73%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		19.68%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		8.44%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		11.14%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	39.41%	39.26%
Service Charge	1	28.62	28.62	1	28.62	28.62	0.00	0.00%	11.04%	11.00%
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	1.16	1.16	1	0.75	0.75	-0.41	-35.34%	0.29%	0.29%
Distribution Volumetric Rate	1,000	0.0764	76.40	1,000	0.0878	87.80	11.40	14.92%	33.87%	33.75%
Volumetric Deferral/Variance Account Rider	1,000	0.0008	0.80	1,000	0.0006	0.60	-0.20	-25.00%	0.23%	0.23%
Sub-Total: Distribution (excluding pass through)			106.98			117.77	10.79	10.09%	45.44%	45.27%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.30%	0.30%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.11	11.44	104	0.11	11.44	0.00	0.00%	4.41%	4.40%
Line Losses on Cost of Power (based on TOU prices)	104	0.10	10.62	104	0.10	10.62	0.00	0.00%	4.10%	4.08%
Sub-Total: Distribution (based on two-tier RPP prices)			119.21			130.00	10.79	9.05%	50.15%	49.97%
Sub-Total: Distribution (based on TOU prices)			118.39			129.18	10.79	9.11%	49.84%	49.66%
Retail Transmission Rate – Network Service Rate	1,104	0.0054	5.96	1,104	0.0056	6.18	0.22	3.70%	2.39%	2.38%
Retail Transmission Rate – Line and Transformation Connection \$	1,104	0.0042	4.64	1,104	0.0043	4.75	0.11	2.38%	1.83%	1.82%
Sub-Total: Retail Transmission			10.60			10.93	0.33	3.12%	4.22%	4.20%
Sub-Total: Delivery (based on two-tier RPP prices)			129.81			140.93	11.12	8.57%	54.37%	54.17%
Sub-Total: Delivery (based on TOU prices)			128.99			140.11	11.12	8.62%	54.05%	53.86%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.87%	1.87%
Rural Rate Protection Charge	1,104	0.0013	1.44	1,104	0.0013	1.44	0.00	0.00%	0.55%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			6.54			6.54	0.00	0.00%	2.52%	2.52%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.70%	2.69%
Total Bill on Two-Tier RPP (before Taxes)			243.75			254.87	11.12	4.56%	98.33%	
HST		0.13	31.69		0.13	33.13	1.45	4.56%	12.78%	
Total Bill (including HST)			275.44			288.01	12.57	4.56%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.54		-0.10	-28.80	-1.26	4.56%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			247.89			259.21	11.31	4.56%	100.00%	
Total Bill on TOU (before Taxes)			244.67			255.79	11.12	4.55%		98.33%
HST		0.13	31.81		0.13	33.25	1.45	4.55%		12.78%
Total Bill (including HST)			276.48			289.05	12.57	4.55%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.65		-0.10	-28.90	-1.26	4.55%		-11.11%
Total Bill on TOU (including OCEB)			248.83			260.14	11.31	4.55%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	38.83%	
Energy Second Tier (kWh)	250	0.110	27.50	250	0.110	27.50	0.00	0.00%	15.15%	
Sub-Total: Energy (RPP)			98.00			98.00	0.00	0.00%	53.97%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		27.64%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		11.85%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		15.64%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	56.25%	55.14%
Service Charge	1	20.05	20.05	1	22.51	22.51	2.46	12.27%	12.40%	12.15%
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	0.97	0.97	1	0.66	0.66	-0.31	-31.96%	0.36%	0.36%
Distribution Volumetric Rate	1,000	0.0228	22.80	1,000	0.0254	25.40	2.60	11.40%	13.99%	13.71%
Volumetric Deferral/Variance Account Rider	1,000	-0.0003	-0.30	1,000	-0.0002	-0.20	0.10	-33.33%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			43.52			48.37	4.85	11.14%	26.64%	26.11%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.44%	0.43%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.11	7.37	67	0.11	7.37	0.00	0.00%	4.06%	3.98%
Line Losses on Cost of Power (based on TOU prices)	67	0.10	6.84	67	0.10	6.84	0.00	0.00%	3.77%	3.69%
Sub-Total: Distribution (based on two-tier RPP prices)			51.68			56.53	4.85	9.38%	31.13%	30.52%
Sub-Total: Distribution (based on TOU prices)			51.15			56.00	4.85	9.48%	30.84%	30.23%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0061	6.51	-0.11	-1.61%	3.58%	3.51%
Retail Transmission Rate – Line and Transformation Connection \$	1,067	0.0039	4.16	1,067	0.0039	4.16	0.00	0.00%	2.29%	2.25%
Sub-Total: Retail Transmission			10.78			10.67	-0.11	-0.99%	5.88%	5.76%
Sub-Total: Delivery (based on two-tier RPP prices)			62.46			67.20	4.74	7.59%	37.01%	36.28%
Sub-Total: Delivery (based on TOU prices)			61.93			66.67	4.74	7.66%	36.72%	35.99%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.59%	2.53%
Rural Rate Protection Charge	1,067	0.0013	1.39	1,067	0.0013	1.39	0.00	0.00%	0.76%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.13%
Sub-Total: Regulatory			6.33			6.33	0.00	0.00%	3.49%	3.42%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.86%	3.78%
Total Bill on Two-Tier RPP (before Taxes)			173.79			178.53	4.74	2.73%	98.33%	
HST		0.13	22.59		0.13	23.21	0.62	2.73%	12.78%	
Total Bill (including HST)			196.38			201.74	5.36	2.73%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.64		-0.10	-20.17	-0.54	2.73%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			176.74			181.57	4.82	2.73%	100.00%	
Total Bill on TOU (before Taxes)			177.40			182.15	4.74	2.67%		98.33%
HST		0.13	23.06		0.13	23.68	0.62	2.67%		12.78%
Total Bill (including HST)			200.46			205.82	5.36	2.67%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.05		-0.10	-20.58	-0.54	2.67%		-11.11%
Total Bill on TOU (including OCEB)			180.42			185.24	4.82	2.67%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	20.10%	
Energy Second Tier (kWh)	1,250	0.110	137.50	1,250	0.110	137.50	0.00	0.00%	39.21%	
Sub-Total: Energy (RPP)			208.00			208.00	0.00	0.00%	59.31%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		29.61%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		12.70%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		16.76%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	58.25%	59.06%
Service Charge	1	20.05	20.05	1	22.51	22.51	2.46	12.27%	6.42%	6.51%
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	0.97	0.97	1	0.66	0.66	-0.31	-31.96%	0.19%	0.19%
Distribution Volumetric Rate	2,000	0.0228	45.60	2,000	0.0254	50.80	5.20	11.40%	14.48%	14.69%
Volumetric Deferral/Variance Account Rider	2,000	-0.0003	-0.60	2,000	-0.0002	-0.40	0.20	-33.33%	-0.11%	-0.12%
Sub-Total: Distribution (excluding pass through)			66.02			73.57	7.55	11.44%	20.98%	21.27%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.23%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.11	14.74	134	0.11	14.74	0.00	0.00%	4.20%	4.26%
Line Losses on Cost of Power (based on TOU prices)	134	0.10	13.69	134	0.10	13.69	0.00	0.00%	3.90%	3.96%
Sub-Total: Distribution (based on two-tier RPP prices)			81.55			89.10	7.55	9.26%	25.41%	25.76%
Sub-Total: Distribution (based on TOU prices)			80.50			88.05	7.55	9.38%	25.10%	25.46%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0061	13.02	-0.21	-1.61%	3.71%	3.76%
Retail Transmission Rate – Line and Transformation Connection \$	2,134	0.0039	8.32	2,134	0.0039	8.32	0.00	0.00%	2.37%	2.41%
Sub-Total: Retail Transmission			21.55			21.34	-0.21	-0.99%	6.08%	6.17%
Sub-Total: Delivery (based on two-tier RPP prices)			103.10			110.44	7.34	7.12%	31.49%	31.93%
Sub-Total: Delivery (based on TOU prices)			102.05			109.39	7.34	7.19%	31.19%	31.63%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.68%	2.71%
Rural Rate Protection Charge	2,134	0.0013	2.77	2,134	0.0013	2.77	0.00	0.00%	0.79%	0.80%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.41			12.41	0.00	0.00%	3.54%	3.59%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.99%	4.05%
Total Bill on Two-Tier RPP (before Taxes)			337.52			344.85	7.34	2.17%	98.33%	
HST		0.13	43.88		0.13	44.83	0.95	2.17%	12.78%	
Total Bill (including HST)			381.39			389.68	8.29	2.17%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.14		-0.10	-38.97	-0.83	2.17%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			343.25			350.72	7.46	2.17%	100.00%	
Total Bill on TOU (before Taxes)			332.74			340.08	7.34	2.20%		98.33%
HST		0.13	43.26		0.13	44.21	0.95	2.20%		12.78%
Total Bill (including HST)			376.00			384.29	8.29	2.20%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.60		-0.10	-38.43	-0.83	2.20%		-11.11%
Total Bill on TOU (including OCEB)			338.40			345.86	7.46	2.20%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	2.54%	
Energy Second Tier (kWh)	14,250	0.110	1,567.50	14,250	0.110	1,567.50	0.00	0.00%	56.48%	
Sub-Total: Energy (RPP)			1,638.00			1,638.00	0.00	0.00%	59.02%	
TOU-Off Peak	9,600	0.080	768.00	9,600	0.080	768.00	0.00	0.00%		29.00%
TOU-Mid Peak	2,700	0.122	329.40	2,700	0.122	329.40	0.00	0.00%		12.44%
TOU-On Peak	2,700	0.161	434.70	2,700	0.161	434.70	0.00	0.00%		16.42%
Sub-Total: Energy (TOU)			1,532.10			1,532.10	0.00	0.00%	55.21%	57.86%
Service Charge	1	20.05	20.05	1	22.51	22.51	2.46	12.27%	0.81%	0.85%
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	0.97	0.97	1	0.66	0.66	-0.31	-31.96%	0.02%	0.02%
Distribution Volumetric Rate	15,000	0.0228	342.00	15,000	0.0254	381.00	39.00	11.40%	13.73%	14.39%
Volumetric Deferral/Variance Account Rider	15,000	-0.0003	-4.50	15,000	-0.0002	-3.00	1.50	-33.33%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			358.52			401.17	42.65	11.90%	14.46%	15.15%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.11	110.55	1,005	0.11	110.55	0.00	0.00%	3.98%	4.17%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.10	102.65	1,005	0.10	102.65	0.00	0.00%	3.70%	3.88%
Sub-Total: Distribution (based on two-tier RPP prices)			469.86			512.51	42.65	9.08%	18.47%	19.35%
Sub-Total: Distribution (based on TOU prices)			461.96			504.61	42.65	9.23%	18.18%	19.06%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0061	97.63	-1.60	-1.61%	3.52%	3.69%
Retail Transmission Rate – Line and Transformation Connection	16,005	0.0039	62.42	16,005	0.0039	62.42	0.00	0.00%	2.25%	2.36%
Sub-Total: Retail Transmission			161.65			160.05	-1.60	-0.99%	5.77%	6.04%
Sub-Total: Delivery (based on two-tier RPP prices)			631.51			672.56	41.05	6.50%	24.23%	25.40%
Sub-Total: Delivery (based on TOU prices)			623.61			664.66	41.05	6.58%	23.95%	25.10%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.54%	2.66%
Rural Rate Protection Charge	16,005	0.0013	20.81	16,005	0.0013	20.81	0.00	0.00%	0.75%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			91.48			91.48	0.00	0.00%	3.30%	3.45%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.78%	3.97%
Total Bill on Two-Tier RPP (before Taxes)			2,465.99			2,507.04	41.05	1.66%	90.34%	
HST		0.13	320.58		0.13	325.92	5.34	1.66%	11.74%	
Total Bill (including HST)			2,786.57			2,832.95	46.39	1.66%	102.08%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-56.64		-0.10	-57.76	-1.12	1.98%	-2.08%	
Total Bill on Two-Tier RPP (including OCEB)			2,729.93			2,775.19	45.26	1.66%	100.00%	
Total Bill on TOU (before Taxes)			2,352.19			2,393.24	41.05	1.75%		90.38%
HST		0.13	305.78		0.13	311.12	5.34	1.75%	11.75%	
Total Bill (including HST)			2,657.97			2,704.36	46.39	1.75%		102.13%
Ontario Clean Energy Benefit (OCEB)		-0.10	-55.15		-0.10	-56.27	-1.12	2.03%	-2.13%	
Total Bill on TOU (including OCEB)			2,602.82			2,648.09	45.26	1.74%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	31.58%	
Energy Second Tier (kWh)	250	0.110	27.50	250	0.110	27.50	0.00	0.00%	12.32%	
Sub-Total: Energy (RPP)			98.00			98.00	0.00	0.00%	43.90%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		22.59%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		9.69%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		12.78%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	45.75%	45.06%
Service Charge	1	26.35	26.35	1	28.33	28.33	1.98	7.51%	12.69%	12.50%
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	1.11	1.11	1	0.73	0.73	-0.38	-34.23%	0.33%	0.32%
Distribution Volumetric Rate	1,000	0.0532	53.20	1,000	0.0571	57.10	3.90	7.33%	25.58%	25.19%
Volumetric Deferral/Variance Account Rider	1,000	0.0003	0.30	1,000	0.0002	0.20	-0.10	-33.33%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			80.96			86.36	5.40	6.67%	38.68%	38.10%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.35%	0.35%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.11	10.56	96	0.11	10.56	0.00	0.00%	4.73%	4.66%
Line Losses on Cost of Power (based on TOU prices)	96	0.10	9.81	96	0.10	9.81	0.00	0.00%	4.39%	4.33%
Sub-Total: Distribution (based on two-tier RPP prices)			92.31			97.71	5.40	5.85%	43.77%	43.10%
Sub-Total: Distribution (based on TOU prices)			91.56			96.96	5.40	5.90%	43.43%	42.77%
Retail Transmission Rate – Network Service Rate	1,096	0.0057	6.25	1,096	0.0057	6.25	0.00	0.00%	2.80%	2.76%
Retail Transmission Rate – Line and Transformation Connection \$	1,096	0.0037	4.06	1,096	0.0037	4.06	0.00	0.00%	1.82%	1.79%
Sub-Total: Retail Transmission			10.30			10.30	0.00	0.00%	4.61%	4.54%
Sub-Total: Delivery (based on two-tier RPP prices)			102.61			108.01	5.40	5.26%	48.38%	47.65%
Sub-Total: Delivery (based on TOU prices)			101.86			107.26	5.40	5.30%	48.05%	47.32%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.16%	2.13%
Rural Rate Protection Charge	1,096	0.0013	1.42	1,096	0.0013	1.42	0.00	0.00%	0.64%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			6.50			6.50	0.00	0.00%	2.91%	2.87%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.14%	3.09%
Total Bill on Two-Tier RPP (before Taxes)			214.11			219.51	5.40	2.52%	98.33%	
HST		0.13	27.83		0.13	28.54	0.70	2.52%	12.78%	
Total Bill (including HST)			241.94			248.05	6.10	2.52%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.19		-0.10	-24.80	-0.61	2.52%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			217.75			223.24	5.49	2.52%	100.00%	
Total Bill on TOU (before Taxes)			217.50			222.90	5.40	2.48%		98.33%
HST		0.13	28.27		0.13	28.98	0.70	2.48%	12.78%	
Total Bill (including HST)			245.77			251.87	6.10	2.48%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.58		-0.10	-25.19	-0.61	2.48%	-11.11%	
Total Bill on TOU (including OCEB)			221.19			226.68	5.49	2.48%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	16.47%	
Energy Second Tier (kWh)	1,250	0.110	137.50	1,250	0.110	137.50	0.00	0.00%	32.12%	
Sub-Total: Energy (RPP)			208.00			208.00	0.00	0.00%	48.59%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		24.22%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		10.39%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		13.71%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	47.72%	48.32%
Service Charge	1	26.35	26.35	1	28.33	28.33	1.98	7.51%	6.62%	6.70%
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	1.11	1.11	1	0.73	0.73	-0.38	-34.23%	0.17%	0.17%
Distribution Volumetric Rate	2,000	0.0532	106.40	2,000	0.0571	114.20	7.80	7.33%	26.68%	27.01%
Volumetric Deferral/Variance Account Rider	2,000	0.0003	0.60	2,000	0.0002	0.40	-0.20	-33.33%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			134.46			143.66	9.20	6.84%	33.56%	33.98%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.11	21.12	192	0.11	21.12	0.00	0.00%	4.93%	5.00%
Line Losses on Cost of Power (based on TOU prices)	192	0.10	19.61	192	0.10	19.61	0.00	0.00%	4.58%	4.64%
Sub-Total: Distribution (based on two-tier RPP prices)			156.37			165.57	9.20	5.88%	38.68%	39.16%
Sub-Total: Distribution (based on TOU prices)			154.86			164.06	9.20	5.94%	38.33%	38.81%
Retail Transmission Rate – Network Service Rate	2,192	0.0057	12.49	2,192	0.0057	12.49	0.00	0.00%	2.92%	2.96%
Retail Transmission Rate – Line and Transformation Connection \$	2,192	0.0037	8.11	2,192	0.0037	8.11	0.00	0.00%	1.89%	1.92%
Sub-Total: Retail Transmission			20.60			20.60	0.00	0.00%	4.81%	4.87%
Sub-Total: Delivery (based on two-tier RPP prices)			176.97			186.17	9.20	5.20%	43.49%	44.04%
Sub-Total: Delivery (based on TOU prices)			175.47			184.67	9.20	5.24%	43.14%	43.68%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.25%	2.28%
Rural Rate Protection Charge	2,192	0.0013	2.85	2,192	0.0013	2.85	0.00	0.00%	0.67%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.74			12.74	0.00	0.00%	2.98%	3.01%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.27%	3.31%
Total Bill on Two-Tier RPP (before Taxes)			411.72			420.92	9.20	2.23%	98.33%	
HST		0.13	53.52		0.13	54.72	1.20	2.23%	12.78%	
Total Bill (including HST)			465.24			475.64	10.40	2.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.52		-0.10	-47.56	-1.04	2.23%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			418.72			428.07	9.36	2.23%	100.00%	
Total Bill on TOU (before Taxes)			406.49			415.69	9.20	2.26%		98.33%
HST		0.13	52.84		0.13	54.04	1.20	2.26%		12.78%
Total Bill (including HST)			459.33			469.73	10.40	2.26%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.93		-0.10	-46.97	-1.04	2.26%		-11.11%
Total Bill on TOU (including OCEB)			413.40			422.76	9.36	2.26%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.094	70.50	750	0.094	70.50	0.00	0.00%	2.10%	
Energy Second Tier (kWh)	14,250	0.110	1,567.50	14,250	0.110	1,567.50	0.00	0.00%	46.60%	
Sub-Total: Energy (RPP)			1,638.00			1,638.00	0.00	0.00%	48.69%	
TOU-Off Peak	9,600	0.080	768.00	9,600	0.080	768.00	0.00	0.00%		23.75%
TOU-Mid Peak	2,700	0.122	329.40	2,700	0.122	329.40	0.00	0.00%		10.19%
TOU-On Peak	2,700	0.161	434.70	2,700	0.161	434.70	0.00	0.00%		13.45%
Sub-Total: Energy (TOU)			1,532.10			1,532.10	0.00	0.00%	45.54%	47.39%
Service Charge	1	26.35	26.35	1	28.33	28.33	1.98	7.51%	0.84%	0.88%
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	1.11	1.11	1	0.73	0.73	-0.38	-34.23%	0.02%	0.02%
Distribution Volumetric Rate	15,000	0.0532	798.00	15,000	0.0571	856.50	58.50	7.33%	25.46%	26.49%
Volumetric Deferral/Variance Account Rider	15,000	0.0003	4.50	15,000	0.0002	3.00	-1.50	-33.33%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			829.96			888.56	58.60	7.06%	26.41%	27.48%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.11	158.40	1,440	0.11	158.40	0.00	0.00%	4.71%	4.90%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.10	147.08	1,440	0.10	147.08	0.00	0.00%	4.37%	4.55%
Sub-Total: Distribution (based on two-tier RPP prices)			989.15			1,047.75	58.60	5.92%	31.15%	32.41%
Sub-Total: Distribution (based on TOU prices)			977.83			1,036.43	58.60	5.99%	30.81%	32.06%
Retail Transmission Rate – Network Service Rate	16,440	0.0057	93.71	16,440	0.0057	93.71	0.00	0.00%	2.79%	2.90%
Retail Transmission Rate – Line and Transformation Connection \$	16,440	0.0037	60.83	16,440	0.0037	60.83	0.00	0.00%	1.81%	1.88%
Sub-Total: Retail Transmission			154.54			154.54	0.00	0.00%	4.59%	4.78%
Sub-Total: Delivery (based on two-tier RPP prices)			1,143.69			1,202.29	58.60	5.12%	35.74%	37.19%
Sub-Total: Delivery (based on TOU prices)			1,132.37			1,190.97	58.60	5.17%	35.40%	36.84%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.15%	2.24%
Rural Rate Protection Charge	16,440	0.0013	21.37	16,440	0.0013	21.37	0.00	0.00%	0.64%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			93.96			93.96	0.00	0.00%	2.79%	2.91%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.12%	3.25%
Total Bill on Two-Tier RPP (before Taxes)			2,980.64			3,039.24	58.60	1.97%	90.35%	
HST		0.13	387.48		0.13	395.10	7.62	1.97%	11.74%	
Total Bill (including HST)			3,368.13			3,434.35	66.22	1.97%	102.09%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-68.85		-0.10	-70.32	-1.47	2.13%	-2.09%	
Total Bill on Two-Tier RPP (including OCEB)			3,299.27			3,364.02	64.75	1.96%	100.00%	
Total Bill on TOU (before Taxes)			2,863.43			2,922.03	58.60	2.05%		90.38%
HST		0.13	372.25		0.13	379.86	7.62	2.05%		11.75%
Total Bill (including HST)			3,235.67			3,301.89	66.22	2.05%		102.13%
Ontario Clean Energy Benefit (OCEB)		-0.10	-67.29		-0.10	-68.76	-1.47	2.18%		-2.13%
Total Bill on TOU (including OCEB)			3,168.38			3,233.13	64.75	2.04%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.094	1,480.50	15,750	0.094	1,480.50	0.00	0.00%	52.68%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,480.50			1,480.50	0.00	0.00%	52.68%
Service Charge	1	78.74	78.74	1	89.8	89.80	11.06	14.05%	3.20%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.96	1.96	1	1.37	1.37	-0.59	-30.10%	0.05%
Distribution Volumetric Rate	60	7.5435	452.61	60	8.6626	519.76	67.15	14.84%	18.49%
Volumetric Deferral/Variance Account Rider	60	-0.1121	-6.73	60	-0.0687	-4.12	2.60	-38.72%	-0.15%
Sub-Total: Distribution			526.58			606.80	80.22	15.23%	21.59%
Retail Transmission Rate – Network Service Rate	60	2.0188	121.13	60	2.045	122.70	1.57	1.30%	4.37%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2909	77.45	60	1.3696	82.18	4.72	6.10%	2.92%
Sub-Total: Retail Transmission			198.58			204.88	6.29	3.17%	7.29%
Sub-Total: Delivery			725.17			811.68	86.51	11.93%	28.88%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.47%
Rural Rate Protection Charge	15,750	0.0013	20.48	15,750	0.0013	20.48	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			90.03			90.03	0.00	0.00%	3.20%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.74%
Total Bill on Two-Tier RPP (before Taxes)			2,400.69			2,487.21	86.51	3.60%	88.50%
HST		0.13	312.09		0.13	323.34	11.25	3.60%	11.50%
Total Bill (including HST)			2,712.78			2,810.54	97.76	3.60%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			2,712.78			2,810.54	97.76	3.60%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.050
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	36,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.094	3,454.50	36,750	0.094	3,454.50	0.00	0.00%	56.18%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,454.50			3,454.50	0.00	0.00%	56.18%
Service Charge	1	78.74	78.74	1	89.8	89.80	11.06	14.05%	1.46%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.96	1.96	1	1.37	1.37	-0.59	-30.10%	0.02%
Distribution Volumetric Rate	120	7.5435	905.22	120	8.6626	1,039.51	134.29	14.84%	16.91%
Volumetric Deferral/Variance Account Rider	120	-0.1121	-13.45	120	-0.0687	-8.24	5.21	-38.72%	-0.13%
Sub-Total: Distribution			972.47			1,122.44	149.97	15.42%	18.25%
Retail Transmission Rate – Network Service Rate	120	2.0188	242.26	120	2.045	245.40	3.14	1.30%	3.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2909	154.91	120	1.3696	164.35	9.44	6.10%	2.67%
Sub-Total: Retail Transmission			397.16			409.75	12.59	3.17%	6.66%
Sub-Total: Delivery			1,369.63			1,532.19	162.56	11.87%	24.92%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.63%
Rural Rate Protection Charge	36,750	0.0013	47.78	36,750	0.0013	47.78	0.00	0.00%	0.78%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			209.73			209.73	0.00	0.00%	3.41%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.98%
Total Bill on Two-Tier RPP (before Taxes)			5,278.86			5,441.42	162.56	3.08%	88.50%
HST		0.13	686.25		0.13	707.38	21.13	3.08%	11.50%
Total Bill (including HST)			5,965.11			6,148.80	183.69	3.08%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			5,965.11			6,148.80	183.69	3.08%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.094	17,272.50	183,750	0.094	17,272.50	0.00	0.00%	59.61%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,272.50			17,272.50	0.00	0.00%	59.61%
Service Charge	1	78.74	78.74	1	89.8	89.80	11.06	14.05%	0.31%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.96	1.96	1	1.37	1.37	-0.59	-30.10%	0.00%
Distribution Volumetric Rate	500	7.5435	3,771.75	500	8.6626	4,331.30	559.55	14.84%	14.95%
Volumetric Deferral/Variance Account Rider	500	-0.1121	-56.05	500	-0.0687	-34.35	21.70	-38.72%	-0.12%
Sub-Total: Distribution			3,796.40			4,388.12	591.72	15.59%	15.15%
Retail Transmission Rate – Network Service Rate	500	2.0188	1,009.40	500	2.045	1,022.50	13.10	1.30%	3.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2909	645.45	500	1.3696	684.80	39.35	6.10%	2.36%
Sub-Total: Retail Transmission			1,654.85			1,707.30	52.45	3.17%	5.89%
Sub-Total: Delivery			5,451.25			6,095.42	644.17	11.82%	21.04%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.79%
Rural Rate Protection Charge	183,750	0.0013	238.88	183,750	0.0013	238.88	0.00	0.00%	0.82%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,047.63			1,047.63	0.00	0.00%	3.62%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.23%
Total Bill on Two-Tier RPP (before Taxes)			24,996.38			25,640.55	644.17	2.58%	88.50%
HST		0.13	3,249.53		0.13	3,333.27	83.74	2.58%	11.50%
Total Bill (including HST)			28,245.90			28,973.82	727.91	2.58%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,245.90			28,973.82	727.91	2.58%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.094	1,496.01	15,915	0.094	1,496.01	0.00	0.00%	46.32%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,496.01			1,496.01	0.00	0.00%	46.32%
Service Charge	1	74.99	74.99	1	85.97	85.97	10.98	14.64%	2.66%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.88	1.88	1	1.32	1.32	-0.56	-29.79%	0.04%
Distribution Volumetric Rate	60	13.0657	783.94	60	15.1661	909.97	126.02	16.08%	28.17%
Volumetric Deferral/Variance Account Rider	60	0.0275	1.65	60	0.032	1.91	0.26	15.64%	0.06%
Sub-Total: Distribution			862.46			999.16	136.70	15.85%	30.94%
Retail Transmission Rate – Network Service Rate	60	1.6321	97.93	60	1.6583	99.50	1.57	1.61%	3.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.0515	63.09	60	1.1256	67.54	4.45	7.05%	2.09%
Sub-Total: Retail Transmission			161.02			167.03	6.02	3.74%	5.17%
Sub-Total: Delivery			1,023.48			1,166.20	142.72	13.94%	36.11%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.17%
Rural Rate Protection Charge	15,915	0.0013	20.69	15,915	0.0013	20.69	0.00	0.00%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			90.97			90.97	0.00	0.00%	2.82%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.25%
Total Bill on Two-Tier RPP (before Taxes)			2,715.45			2,858.17	142.72	5.26%	88.50%
HST		0.13	353.01		0.13	371.56	18.55	5.26%	11.50%
Total Bill (including HST)			3,068.46			3,229.74	161.27	5.26%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			3,068.46			3,229.74	161.27	5.26%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	37,135
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	37,135	0.094	3,490.69	37,135	0.094	3,490.69	0.00	0.00%	49.88%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,490.69			3,490.69	0.00	0.00%	49.88%
Service Charge	1	74.99	74.99	1	85.97	85.97	10.98	14.64%	1.23%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.88	1.88	1	1.32	1.32	-0.56	-29.79%	0.02%
Distribution Volumetric Rate	120	13.0657	1,567.88	120	15.1661	1,819.93	252.05	16.08%	26.01%
Volumetric Deferral/Variance Account Rider	120	0.0275	3.30	120	0.0318	3.82	0.52	15.64%	0.05%
Sub-Total: Distribution			1,648.05			1,911.04	262.98	15.96%	27.31%
Retail Transmission Rate – Network Service Rate	120	1.6321	195.85	120	1.6583	199.00	3.14	1.61%	2.84%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.0515	126.18	120	1.1256	135.07	8.89	7.05%	1.93%
Sub-Total: Retail Transmission			322.03			334.07	12.04	3.74%	4.77%
Sub-Total: Delivery			1,970.09			2,245.11	275.02	13.96%	32.08%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.33%
Rural Rate Protection Charge	37,135	0.0013	48.28	37,135	0.0013	48.28	0.00	0.00%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			211.92			211.92	0.00	0.00%	3.03%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.50%
Total Bill on Two-Tier RPP (before Taxes)			5,917.70			6,192.72	275.02	4.65%	88.50%
HST		0.13	769.30		0.13	805.05	35.75	4.65%	11.50%
Total Bill (including HST)			6,687.00			6,997.77	310.77	4.65%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			6,687.00			6,997.77	310.77	4.65%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.094	17,453.45	185,675	0.094	17,453.45	0.00	0.00%	53.60%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,453.45			17,453.45	0.00	0.00%	53.60%
Service Charge	1	74.99	74.99	1	85.97	85.97	10.98	14.64%	0.26%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.88	1.88	1	1.32	1.32	-0.56	-29.79%	0.00%
Distribution Volumetric Rate	500	13.0657	6,532.85	500	15.1661	7,583.05	1,050.20	16.08%	23.29%
Volumetric Deferral/Variance Account Rider	500	0.0275	13.75	500	0.0318	15.90	2.15	15.64%	0.05%
Sub-Total: Distribution			6,623.47			7,686.24	1,062.77	16.05%	23.61%
Retail Transmission Rate – Network Service Rate	500	1.6321	816.05	500	1.6583	829.15	13.10	1.61%	2.55%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.0515	525.75	500	1.1256	562.80	37.05	7.05%	1.73%
Sub-Total: Retail Transmission			1,341.80			1,391.95	50.15	3.74%	4.27%
Sub-Total: Delivery			7,965.27			9,078.19	1,112.92	13.97%	27.88%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.51%
Rural Rate Protection Charge	185,675	0.0013	241.38	185,675	0.0013	241.38	0.00	0.00%	0.74%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,058.60			1,058.60	0.00	0.00%	3.25%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.76%
Total Bill on Two-Tier RPP (before Taxes)			27,702.32			28,815.24	1,112.92	4.02%	88.50%
HST		0.13	3,601.30		0.13	3,745.98	144.68	4.02%	11.50%
Total Bill (including HST)			31,303.62			32,561.22	1,257.60	4.02%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			31,303.62			32,561.22	1,257.60	4.02%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.094	29.92	318	0.094	29.92	0.00	0.00%	11.73%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			29.92			29.92	0.00	0.00%	11.73%
Service Charge	1	73.55	73.55	1	120.01	120.01	46.46	63.17%	47.04%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	4.62	4.62	1	2.24	2.24	-2.38	-51.52%	0.88%
Distribution Volumetric Rate	10	5.951	59.51	10	5.951	59.51	0.00	0.00%	23.33%
Volumetric Deferral/Variance Account Rider	10	0.0461	0.46	10	0.0469	0.47	0.01	1.74%	0.18%
Sub-Total: Distribution			138.14			182.23	44.09	31.92%	71.43%
Retail Transmission Rate – Network Service Rate	10	0.5457	5.46	10	0.5672	5.67	0.22	3.94%	2.22%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3517	3.52	10	0.3778	3.78	0.26	7.42%	1.48%
Sub-Total: Retail Transmission			8.97			9.45	0.48	5.30%	3.70%
Sub-Total: Delivery			147.12			191.68	44.56	30.29%	75.14%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.55%
Rural Rate Protection Charge	318	0.0013	0.41	318	0.0013	0.41	0.00	0.00%	0.16%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%
Sub-Total: Regulatory			2.06			2.06	0.00	0.00%	0.81%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.82%
Total Bill on Two-Tier RPP (before Taxes)			181.20			225.76	44.56	24.59%	88.50%
HST		0.13	23.56		0.13	29.35	5.79	24.59%	11.50%
Total Bill (including HST)			204.76			255.11	50.36	24.59%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			204.76			255.11	50.36	24.59%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	2,000
Peak (kW)	20
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	2,122
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.094	199.47	2,122	0.094	199.47	0.00	0.00%	36.25%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			199.47			199.47	0.00	0.00%	36.25%
Service Charge	1	73.55	73.55	1	120.01	120.01	46.46	63.17%	21.81%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	4.62	4.62	1	2.24	2.24	-2.38	-51.52%	0.41%
Distribution Volumetric Rate	20	5.951	119.02	20	5.951	119.02	0.00	0.00%	21.63%
Volumetric Deferral/Variance Account Rider	20	0.0461	0.92	20	0.0469	0.94	0.02	1.74%	0.17%
Sub-Total: Distribution			198.11			242.21	44.10	22.26%	44.02%
Retail Transmission Rate – Network Service Rate	20	0.5457	10.91	20	0.5672	11.34	0.43	3.94%	2.06%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3517	7.03	20	0.3778	7.56	0.52	7.42%	1.37%
Sub-Total: Retail Transmission			17.95			18.90	0.95	5.30%	3.43%
Sub-Total: Delivery			216.06			261.11	45.05	20.85%	47.46%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.70%
Rural Rate Protection Charge	2,122	0.0013	2.76	2,122	0.0013	2.76	0.00	0.00%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.35			12.35	0.00	0.00%	2.24%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.54%
Total Bill on Two-Tier RPP (before Taxes)			441.87			486.92	45.05	10.19%	88.50%
HST		0.13	57.44		0.13	63.30	5.86	10.19%	11.50%
Total Bill (including HST)			499.32			550.22	50.90	10.19%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			499.32			550.22	50.90	10.19%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.094	498.67	5,305	0.094	498.67	0.00	0.00%	31.96%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			498.67			498.67	0.00	0.00%	31.96%
Service Charge	1	73.55	73.55	1	120.01	120.01	46.46	63.17%	7.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	4.62	4.62	1	2.24	2.24	-2.38	-51.52%	0.14%
Distribution Volumetric Rate	100	5.951	595.10	100	5.951	595.10	0.00	0.00%	38.14%
Volumetric Deferral/Variance Account Rider	100	0.0461	4.61	100	0.0469	4.69	0.08	1.74%	0.30%
Sub-Total: Distribution			677.88			722.04	44.16	6.51%	46.28%
Retail Transmission Rate – Network Service Rate	100	0.5457	54.57	100	0.5672	56.72	2.15	3.94%	3.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3517	35.17	100	0.3778	37.78	2.61	7.42%	2.42%
Sub-Total: Retail Transmission			89.74			94.50	4.76	5.30%	6.06%
Sub-Total: Delivery			767.62			816.54	48.92	6.37%	52.34%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.50%
Rural Rate Protection Charge	5,305	0.0013	6.90	5,305	0.0013	6.90	0.00	0.00%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%
Sub-Total: Regulatory			30.49			30.49	0.00	0.00%	1.95%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.24%
Total Bill on Two-Tier RPP (before Taxes)			1,331.78			1,380.70	48.92	3.67%	88.50%
HST		0.13	173.13		0.13	179.49	6.36	3.67%	11.50%
Total Bill (including HST)			1,504.91			1,560.19	55.28	3.67%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			1,504.91			1,560.19	55.28	3.67%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.094	19,439.20	206,800	0.094	19,439.20	0.00	0.00%	63.69%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,439.20			19,439.20	0.00	0.00%	63.69%
Service Charge	1	1095.05	1,095.05	1	1173.35	1,173.35	78.30	7.15%	3.84%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	16.6	16.60	1	11.61	11.61	-4.99	-30.06%	0.04%
Distribution Volumetric Rate	500	1.022	511.00	500	1.1241	562.05	51.05	9.99%	1.84%
Volumetric Deferral/Variance Account Rider	500	0.4723	236.15	500	0.3151	157.55	-78.60	-33.28%	0.52%
Sub-Total: Distribution			1,858.80			1,904.56	45.76	2.46%	6.24%
Retail Transmission Rate – Network Service Rate	500	3.5281	1,764.05	500	3.4531	1,726.55	-37.50	-2.13%	5.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6777	1,338.85	500	2.7201	1,360.05	21.20	1.58%	4.46%
Sub-Total: Retail Transmission			3,102.90			3,086.60	-16.30	-0.53%	10.11%
Sub-Total: Delivery			4,961.70			4,991.16	29.46	0.59%	16.35%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	2.98%
Rural Rate Protection Charge	206,800	0.0013	268.84	206,800	0.0013	268.84	0.00	0.00%	0.88%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,179.01			1,179.01	0.00	0.00%	3.86%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.59%
Total Bill on Two-Tier RPP (before Taxes)			26,979.91			27,009.37	29.46	0.11%	88.50%
HST		0.13	3,507.39		0.13	3,511.22	3.83	0.11%	11.50%
Total Bill (including HST)			30,487.30			30,520.59	33.29	0.11%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			30,487.30			30,520.59	33.29	0.11%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	500,000
Peak (kW)	1,000
Loss factor	1.034
Load factor	68%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	517,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.094	48,598.00	517,000	0.094	48,598.00	0.00	0.00%	67.36%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			48,598.00			48,598.00	0.00	0.00%	67.36%
Service Charge	1	1095.05	1,095.05	1	1173.35	1,173.35	78.30	7.15%	1.63%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	16.6	16.60	1	11.61	11.61	-4.99	-30.06%	0.02%
Distribution Volumetric Rate	1,000	1.022	1,022.00	1,000	1.1241	1,124.10	102.10	9.99%	1.56%
Volumetric Deferral/Variance Account Rider	1,000	0.4723	472.30	1,000	0.3151	315.10	-157.20	-33.28%	0.44%
Sub-Total: Distribution			2,605.95			2,624.16	18.21	0.70%	3.64%
Retail Transmission Rate – Network Service Rate	1,000	3.5281	3,528.10	1,000	3.4531	3,453.10	-75.00	-2.13%	4.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6777	2,677.70	1,000	2.7201	2,720.10	42.40	1.58%	3.77%
Sub-Total: Retail Transmission			6,205.80			6,173.20	-32.60	-0.53%	8.56%
Sub-Total: Delivery			8,811.75			8,797.36	-14.39	-0.16%	12.19%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.15%
Rural Rate Protection Charge	517,000	0.0013	672.10	517,000	0.0013	672.10	0.00	0.00%	0.93%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			2,947.15			2,947.15	0.00	0.00%	4.09%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	4.85%
Total Bill on Two-Tier RPP (before Taxes)			63,856.90			63,842.51	-14.39	-0.02%	88.50%
HST		0.13	8,301.40		0.13	8,299.53	-1.87	-0.02%	11.50%
Total Bill (including HST)			72,158.30			72,142.04	-16.26	-0.02%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			72,158.30			72,142.04	-16.26	-0.02%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.094	388,784.00	4,136,000	0.094	388,784.00	0.00	0.00%	66.46%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			388,784.00			388,784.00	0.00	0.00%	66.46%
Service Charge	1	1095.05	1,095.05	1	1173.35	1,173.35	78.30	7.15%	0.20%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	16.6	16.60	1	11.61	11.61	-4.99	-30.06%	0.00%
Distribution Volumetric Rate	10,000	1.022	10,220.00	10,000	1.1241	11,241.00	1,021.00	9.99%	1.92%
Volumetric Deferral/Variance Account Rider	10,000	0.4723	4,723.00	10,000	0.3151	3,151.00	-1,572.00	-33.28%	0.54%
Sub-Total: Distribution			16,054.65			15,576.96	-477.69	-2.98%	2.66%
Retail Transmission Rate – Network Service Rate	10,000	3.5281	35,281.00	10,000	3.4531	34,531.00	-750.00	-2.13%	5.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6777	26,777.00	10,000	2.7201	27,201.00	424.00	1.58%	4.65%
Sub-Total: Retail Transmission			62,058.00			61,732.00	-326.00	-0.53%	10.55%
Sub-Total: Delivery			78,112.65			77,308.96	-803.69	-1.03%	13.22%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.11%
Rural Rate Protection Charge	4,136,000	0.0013	5,376.80	4,136,000	0.0013	5,376.80	0.00	0.00%	0.92%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			23,575.45			23,575.45	0.00	0.00%	4.03%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.79%
Total Bill on Two-Tier RPP (before Taxes)			518,472.10			517,668.41	-803.69	-0.16%	88.50%
HST		0.13	67,401.37		0.13	67,296.89	-104.48	-0.16%	11.50%
Total Bill (including HST)			585,873.47			584,965.30	-908.17	-0.16%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			585,873.47			584,965.30	-908.17	-0.16%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	17.16%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	17.16%
Service Charge	1	36.79	36.79	1	37.53	37.53	0.74	2.01%	68.53%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.85	0.85	1	0.54	0.54	-0.31	-36.47%	0.99%
Distribution Volumetric Rate	100	0.0308	3.08	100	0.0309	3.09	0.01	0.32%	5.64%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.88			41.16	0.28	0.68%	75.16%
Line Losses on Cost of Power	9	0.09	0.86	9	0.09	0.86	0.00	0.00%	1.58%
Sub-Total: Distribution			41.75			42.02	0.28	0.67%	76.74%
Retail Transmission Rate – Network Service Rate	109	0.0046	0.50	109	0.0046	0.50	0.00	0.00%	0.92%
Retail Transmission Rate – Line and Transformation Connection	109	0.0031	0.34	109	0.0032	0.35	0.01	3.23%	0.64%
Sub-Total: Retail Transmission			0.84			0.85	0.01	1.30%	1.56%
Sub-Total: Delivery			42.59			42.88	0.29	0.68%	78.29%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.88%
Rural Rate Protection Charge	109	0.0013	0.14	109	0.0013	0.14	0.00	0.00%	0.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.46%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.59%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.28%
Total Bill on Two-Tier RPP (before Taxes)			53.56			53.85	0.29	0.54%	98.33%
HST		0.13	6.96		0.13	7.00	0.04	0.54%	12.78%
Total Bill (including HST)			60.52			60.85	0.33	0.54%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.05		-0.10	-6.08	-0.03	0.54%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			54.47			54.76	0.29	0.54%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.094	47.00	500	0.094	47.00	0.00	0.00%	39.85%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			47.00			47.00	0.00	0.00%	39.85%
Service Charge	1	36.79	36.79	1	37.53	37.53	0.74	2.01%	31.82%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.85	0.85	1	0.54	0.54	-0.31	-36.47%	0.46%
Distribution Volumetric Rate	500	0.0308	15.40	500	0.0309	15.45	0.05	0.32%	13.10%
Volumetric Deferral/Variance Account Rider	500	0.0000	0.00	500	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.20			53.52	0.32	0.60%	45.38%
Line Losses on Cost of Power	46	0.09	4.32	46	0.09	4.32	0.00	0.00%	3.67%
Sub-Total: Distribution			57.53			57.84	0.32	0.55%	49.05%
Retail Transmission Rate – Network Service Rate	546	0.0046	2.51	546	0.0046	2.51	0.00	0.00%	2.13%
Retail Transmission Rate – Line and Transformation Connection	546	0.0031	1.69	546	0.0032	1.75	0.05	3.23%	1.48%
Sub-Total: Retail Transmission			4.20			4.26	0.05	1.30%	3.61%
Sub-Total: Delivery			61.73			62.10	0.37	0.61%	52.66%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.04%
Rural Rate Protection Charge	546	0.0013	0.71	546	0.0013	0.71	0.00	0.00%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%
Sub-Total: Regulatory			3.36			3.36	0.00	0.00%	2.85%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.97%
Total Bill on Two-Tier RPP (before Taxes)			115.59			115.97	0.37	0.32%	98.33%
HST		0.13	15.03		0.13	15.08	0.05	0.32%	12.78%
Total Bill (including HST)			130.62			131.04	0.42	0.32%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.06		-0.10	-13.10	-0.04	0.32%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			117.56			117.94	0.38	0.32%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.094	70.50	750	0.094	70.50	0.00	0.00%	34.82%
Energy Second Tier (kWh)	250	0.110	27.50	250	0.110	27.50	0.00	0.00%	13.58%
Sub-Total: Energy (RPP)			98.00			98.00	0.00	0.00%	48.40%
Service Charge	1	36.79	36.79	1	37.53	37.53	0.74	2.01%	18.54%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.85	0.85	1	0.54	0.54	-0.31	-36.47%	0.27%
Distribution Volumetric Rate	1,000	0.0308	30.80	1,000	0.0309	30.90	0.10	0.32%	15.26%
Volumetric Deferral/Variance Account Rider	1,000	0.0000	0.00	1,000	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			68.60			68.97	0.37	0.54%	34.06%
Line Losses on Cost of Power	92	0.11	10.12	92	0.11	10.12	0.00	0.00%	5.00%
Sub-Total: Distribution			78.72			79.09	0.37	0.47%	39.06%
Retail Transmission Rate – Network Service Rate	1,092	0.0046	5.02	1,092	0.0046	5.02	0.00	0.00%	2.48%
Retail Transmission Rate – Line and Transformation Connection	1,092	0.0031	3.39	1,092	0.0032	3.49	0.11	3.23%	1.73%
Sub-Total: Retail Transmission			8.41			8.52	0.11	1.30%	4.21%
Sub-Total: Delivery			87.13			87.61	0.48	0.55%	43.27%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.37%
Rural Rate Protection Charge	1,092	0.0013	1.42	1,092	0.0013	1.42	0.00	0.00%	0.70%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%
Sub-Total: Regulatory			6.47			6.47	0.00	0.00%	3.20%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.46%
Total Bill on Two-Tier RPP (before Taxes)			198.60			199.08	0.48	0.24%	98.33%
HST		0.13	25.82		0.13	25.88	0.06	0.24%	12.78%
Total Bill (including HST)			224.42			224.96	0.54	0.24%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.44		-0.10	-22.50	-0.05	0.24%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			201.98			202.47	0.49	0.24%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	21.84
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.094	1.88	20	0.094	1.88	0.00	0.00%	23.75%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.88			1.88	0.00	0.00%	23.75%
Service Charge	1	2.32	2.32	1	2.66	2.66	0.34	14.66%	33.60%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0.05	0.05	-0.03	-37.50%	0.63%
Distribution Volumetric Rate	20	0.1034	2.07	20	0.1165	2.33	0.26	12.67%	29.43%
Volumetric Deferral/Variance Account Rider	20	0.0012	0.02	20	0.0009	0.02	-0.01	-25.00%	0.23%
Sub-Total: Distribution (excluding pass through)			4.65			5.06	0.41	8.70%	63.89%
Line Losses on Cost of Power	2	0.09	0.17	2	0.09	0.17	0.00	0.00%	2.18%
Sub-Total: Distribution			4.83			5.23	0.41	8.39%	66.07%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	1.08%
Retail Transmission Rate – Line and Transformation Connection	22	0.0038	0.08	22	0.0034	0.07	-0.01	-10.53%	0.94%
Sub-Total: Retail Transmission			0.17			0.16	-0.01	-5.19%	2.01%
Sub-Total: Delivery			4.99			5.39	0.40	7.93%	68.08%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.21%
Rural Rate Protection Charge	22	0.0013	0.03	22	0.0013	0.03	0.00	0.00%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	3.16%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	4.73%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.77%
Total Bill on Two-Tier RPP (before Taxes)			7.39			7.78	0.40	5.36%	98.33%
HST		0.13	0.96		0.13	1.01	0.05	5.36%	12.78%
Total Bill (including HST)			8.35			8.80	0.45	5.36%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.83		-0.10	-0.88	-0.04	5.36%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			7.51			7.92	0.40	5.36%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	54.6
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.094	4.70	50	0.094	4.70	0.00	0.00%	30.76%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.70			4.70	0.00	0.00%	30.76%
Service Charge	1	2.32	2.32	1	2.66	2.66	0.34	14.66%	17.41%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0.05	0.05	-0.03	-37.50%	0.33%
Distribution Volumetric Rate	50	0.1034	5.17	50	0.1165	5.83	0.66	12.67%	38.13%
Volumetric Deferral/Variance Account Rider	50	0.0012	0.06	50	0.0009	0.05	-0.02	-25.00%	0.29%
Sub-Total: Distribution (excluding pass through)			7.79			8.58	0.79	10.13%	56.16%
Line Losses on Cost of Power	5	0.09	0.43	5	0.09	0.43	0.00	0.00%	2.83%
Sub-Total: Distribution			8.22			9.01	0.79	9.59%	58.99%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.39%
Retail Transmission Rate – Line and Transformation Connection	55	0.0038	0.21	55	0.0034	0.19	-0.02	-10.53%	1.22%
Sub-Total: Retail Transmission			0.42			0.40	-0.02	-5.19%	2.61%
Sub-Total: Delivery			8.64			9.41	0.77	8.88%	61.60%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.57%
Rural Rate Protection Charge	55	0.0013	0.07	55	0.0013	0.07	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.64%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.67%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.29%
Total Bill on Two-Tier RPP (before Taxes)			14.26			15.02	0.77	5.38%	98.33%
HST		0.13	1.85		0.13	1.95	0.10	5.38%	12.78%
Total Bill (including HST)			16.11			16.98	0.87	5.38%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.61		-0.10	-1.70	-0.09	5.38%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			14.50			15.28	0.78	5.38%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218.4
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.094	18.80	200	0.094	18.80	0.00	0.00%	36.10%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18.80			18.80	0.00	0.00%	36.10%
Service Charge	1	2.32	2.32	1	2.66	2.66	0.34	14.66%	5.11%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0.05	0.05	-0.03	-37.50%	0.10%
Distribution Volumetric Rate	200	0.1034	20.68	200	0.1165	23.30	2.62	12.67%	44.74%
Volumetric Deferral/Variance Account Rider	200	0.0012	0.24	200	0.0009	0.18	-0.06	-25.00%	0.35%
Sub-Total: Distribution (excluding pass through)			23.48			26.19	2.71	11.54%	50.29%
Line Losses on Cost of Power	18	0.09	1.73	18	0.09	1.73	0.00	0.00%	3.32%
Sub-Total: Distribution			25.21			27.92	2.71	10.75%	53.61%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.64%
Retail Transmission Rate – Line and Transformation Connection	218	0.0038	0.83	218	0.0034	0.74	-0.09	-10.53%	1.43%
Sub-Total: Retail Transmission			1.68			1.59	-0.09	-5.19%	3.06%
Sub-Total: Delivery			26.89			29.51	2.62	9.75%	56.67%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.85%
Rural Rate Protection Charge	218	0.0013	0.28	218	0.0013	0.28	0.00	0.00%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.48%
Sub-Total: Regulatory			1.49			1.49	0.00	0.00%	2.87%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.69%
Total Bill on Two-Tier RPP (before Taxes)			48.59			51.21	2.62	5.40%	98.33%
HST		0.13	6.32		0.13	6.66	0.34	5.40%	12.78%
Total Bill (including HST)			54.90			57.87	2.96	5.40%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.49		-0.10	-5.79	-0.30	5.40%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			49.41			52.08	2.67	5.40%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	34.95%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	34.95%
Service Charge	1	3.82	3.82	1	4.33	4.33	0.51	13.35%	16.10%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.11	0.11	1	0.08	0.08	-0.03	-27.27%	0.30%
Distribution Volumetric Rate	100	0.0827	8.27	100	0.0933	9.33	1.06	12.82%	34.69%
Volumetric Deferral/Variance Account Rider	100	0.0009	0.09	100	0.0007	0.07	-0.02	-22.22%	0.26%
Sub-Total: Distribution (excluding pass through)			12.45			13.81	1.36	10.91%	51.35%
Line Losses on Cost of Power	9	0.09	0.86	9	0.09	0.86	0.00	0.00%	3.22%
Sub-Total: Distribution			13.32			14.67	1.36	10.21%	54.57%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.58%
Retail Transmission Rate – Line and Transformation Connection	109	0.0038	0.41	109	0.0034	0.37	-0.04	-10.53%	1.38%
Sub-Total: Retail Transmission			0.84			0.80	-0.04	-5.19%	2.96%
Sub-Total: Delivery			14.16			15.47	1.32	9.29%	57.53%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.79%
Rural Rate Protection Charge	109	0.0013	0.14	109	0.0013	0.14	0.00	0.00%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.93%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	3.24%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.60%
Total Bill on Two-Tier RPP (before Taxes)			25.13			26.44	1.32	5.23%	98.33%
HST		0.13	3.27		0.13	3.44	0.17	5.23%	12.78%
Total Bill (including HST)			28.40			29.88	1.49	5.23%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.84		-0.10	-2.99	-0.15	5.23%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			25.56			26.89	1.34	5.23%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.094	47.00	500	0.094	47.00	0.00	0.00%	40.69%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			47.00			47.00	0.00	0.00%	40.69%
Service Charge	1	3.82	3.82	1	4.33	4.33	0.51	13.35%	3.75%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.08	0.08	0.08	0.00%	0.07%
Distribution Volumetric Rate	500	0.0827	41.35	500	0.0933	46.65	5.30	12.82%	40.39%
Volumetric Deferral/Variance Account Rider	500	0.0009	0.45	500	0.0007	0.35	-0.10	-22.22%	0.30%
Sub-Total: Distribution (excluding pass through)			45.78			51.41	5.63	12.30%	44.51%
Line Losses on Cost of Power	46	0.09	4.32	46	0.09	4.32	0.00	0.00%	3.74%
Sub-Total: Distribution			50.11			55.73	5.63	11.23%	48.25%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.84%
Retail Transmission Rate – Line and Transformation Connection	546	0.0038	2.07	546	0.0034	1.86	-0.22	-10.53%	1.61%
Sub-Total: Retail Transmission			4.20			3.99	-0.22	-5.19%	3.45%
Sub-Total: Delivery			54.31			59.72	5.41	9.96%	51.70%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.08%
Rural Rate Protection Charge	546	0.0013	0.71	546	0.0013	0.71	0.00	0.00%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%
Sub-Total: Regulatory			3.36			3.36	0.00	0.00%	2.91%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.03%
Total Bill on Two-Tier RPP (before Taxes)			108.17			113.58	5.41	5.00%	98.33%
HST		0.13	14.06		0.13	14.77	0.70	5.00%	12.78%
Total Bill (including HST)			122.23			128.35	6.11	5.00%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.22		-0.10	-12.83	-0.61	5.00%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			110.01			115.51	5.50	5.00%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.094	70.50	750	0.094	70.50	0.00	0.00%	14.96%
Energy Second Tier (kWh)	1,250	0.110	137.50	1,250	0.110	137.50	0.00	0.00%	29.18%
Sub-Total: Energy (RPP)			208.00			208.00	0.00	0.00%	44.15%
Service Charge	1	3.82	3.82	1	4.33	4.33	0.51	13.35%	0.92%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.08	0.08	0.08	0.00%	0.02%
Distribution Volumetric Rate	2,000	0.0827	165.40	2,000	0.0933	186.60	21.20	12.82%	39.60%
Volumetric Deferral/Variance Account Rider	2,000	0.0009	1.80	2,000	0.0007	1.40	-0.40	-22.22%	0.30%
Sub-Total: Distribution (excluding pass through)			171.18			192.41	21.23	12.40%	40.84%
Line Losses on Cost of Power	184	0.11	20.24	184	0.11	20.24	0.00	0.00%	4.30%
Sub-Total: Distribution			191.42			212.65	21.23	11.09%	45.13%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.81%
Retail Transmission Rate – Line and Transformation Connection	2,184	0.0038	8.30	2,184	0.0034	7.43	-0.87	-10.53%	1.58%
Sub-Total: Retail Transmission			16.82			15.94	-0.87	-5.19%	3.38%
Sub-Total: Delivery			208.24			228.59	20.36	9.78%	48.52%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.04%
Rural Rate Protection Charge	2,184	0.0013	2.84	2,184	0.0013	2.84	0.00	0.00%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.70			12.70	0.00	0.00%	2.70%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.97%
Total Bill on Two-Tier RPP (before Taxes)			442.94			463.29	20.36	4.60%	98.33%
HST		0.13	57.58		0.13	60.23	2.65	4.60%	12.78%
Total Bill (including HST)			500.52			523.52	23.00	4.60%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-50.05		-0.10	-52.35	-2.30	4.60%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			450.47			471.17	20.70	4.60%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	105.7
Charge determinant	kWh

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HONI Elimination of Seasonal Class Report

Appendix F

Page 1 of 45

	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)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	26.19%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	26.19%	
TOU-Off Peak	64	0.080	5.12	64	0.080	5.12	0.00	0.00%		13.92%
TOU-Mid Peak	18	0.122	2.20	18	0.122	2.20	0.00	0.00%		5.97%
TOU-On Peak	18	0.161	2.90	18	0.161	2.90	0.00	0.00%		7.88%
Sub-Total: Energy (TOU)			10.21			10.21	0.00	0.00%	28.45%	27.78%
Service Charge	1	19.07	19.07	1	19.07	19.07	0.00	0.00%	53.13%	51.86%
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	1.01	1.01	1	0.65	0.65	-0.36	-35.64%	1.81%	1.77%
Distribution Volumetric Rate	100	0.0208	2.08	100	0.0206	2.06	-0.02	-0.96%	5.74%	5.60%
Volumetric Deferral/Variance Account Rider	100	-0.0002	-0.02	100	-0.0002	-0.02	0.00	0.00%	-0.06%	-0.05%
Sub-Total: Distribution (excluding pass through)			22.14			21.76	-0.38	-1.72%	60.62%	59.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.20%	2.15%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.09	0.54	6	0.09	0.54	0.00	0.00%	1.49%	1.46%
Line Losses on Cost of Power (based on TOU prices)	6	0.10	0.58	6	0.10	0.58	0.00	0.00%	1.62%	1.58%
Sub-Total: Distribution (based on two-tier RPP prices)			23.47			23.09	-0.38	-1.62%	64.31%	62.78%
Sub-Total: Distribution (based on TOU prices)			23.51			23.13	-0.38	-1.62%	64.44%	62.91%
Retail Transmission Rate – Network Service Rate	106	0.007	0.74	106	0.0069	0.73	-0.01	-1.43%	2.03%	1.98%
Retail Transmission Rate – Line and Transformation Connection S	106	0.005	0.53	106	0.005	0.53	0.00	0.00%	1.47%	1.44%
Sub-Total: Retail Transmission			1.27			1.26	-0.01	-0.83%	3.50%	3.42%
Sub-Total: Delivery (based on two-tier RPP prices)			24.73			24.34	-0.39	-1.58%	67.82%	66.20%
Sub-Total: Delivery (based on TOU prices)			24.78			24.39	-0.39	-1.58%	67.95%	66.33%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.30%	1.26%
Rural Rate Protection Charge	106	0.0013	0.14	106	0.0013	0.14	0.00	0.00%	0.38%	0.37%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.70%	0.68%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	2.37%	2.32%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.95%	1.90%
Total Bill on Two-Tier RPP (before Taxes)			35.69			35.30	-0.39	-1.09%	98.33%	
HST		0.13	4.64		0.13	4.59	-0.05	-1.09%	12.78%	
Total Bill (including HST)			40.33			39.88	-0.44	-1.09%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.03		-0.10	-3.99	0.04	-1.09%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			36.29			35.90	-0.40	-1.09%	100.00%	
Total Bill on TOU (before Taxes)			36.55			36.16	-0.39	-1.07%		98.33%
HST		0.13	4.75		0.13	4.70	-0.05	-1.07%		12.78%
Total Bill (including HST)			41.30			40.86	-0.44	-1.07%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.13		-0.10	-4.09	0.04	-1.07%		-11.11%
Total Bill on TOU (including OCEB)			37.17			36.77	-0.40	-1.07%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	845.6
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	39.34%	
Energy Second Tier (kWh)	200	0.110	22.00	200	0.110	22.00	0.00	0.00%	15.34%	
Sub-Total: Energy (RPP)			78.40			78.40	0.00	0.00%	54.68%	
TOU-Off Peak	512	0.080	40.96	512	0.080	40.96	0.00	0.00%		27.98%
TOU-Mid Peak	144	0.122	17.57	144	0.122	17.57	0.00	0.00%		12.00%
TOU-On Peak	144	0.161	23.18	144	0.161	23.18	0.00	0.00%		15.84%
Sub-Total: Energy (TOU)			81.71			81.71	0.00	0.00%	56.99%	55.82%
Service Charge	1	19.07	19.07	1	19.07	19.07	0.00	0.00%	13.30%	13.03%
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	1.01	1.01	1	0.65	0.65	-0.36	-35.64%	0.45%	0.44%
Distribution Volumetric Rate	800	0.0208	16.64	800	0.0206	16.48	-0.16	-0.96%	11.49%	11.26%
Volumetric Deferral/Variance Account Rider	800	-0.0002	-0.16	800	-0.0002	-0.16	0.00	0.00%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			36.56			36.04	-0.52	-1.42%	25.14%	24.62%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.55%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.11	5.02	46	0.11	5.02	0.00	0.00%	3.50%	3.43%
Line Losses on Cost of Power (based on TOU prices)	46	0.10	4.66	46	0.10	4.66	0.00	0.00%	3.25%	3.18%
Sub-Total: Distribution (based on two-tier RPP prices)			42.37			41.85	-0.52	-1.23%	29.19%	28.59%
Sub-Total: Distribution (based on TOU prices)			42.01			41.49	-0.52	-1.24%	28.94%	28.34%
Retail Transmission Rate – Network Service Rate	846	0.007	5.92	846	0.0069	5.83	-0.08	-1.43%	4.07%	3.99%
Retail Transmission Rate – Line and Transformation Connection S	846	0.005	4.23	846	0.005	4.23	0.00	0.00%	2.95%	2.89%
Sub-Total: Retail Transmission			10.15			10.06	-0.08	-0.83%	7.02%	6.87%
Sub-Total: Delivery (based on two-tier RPP prices)			52.51			51.91	-0.60	-1.15%	36.20%	35.46%
Sub-Total: Delivery (based on TOU prices)			52.15			51.55	-0.60	-1.16%	35.95%	35.22%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.60%	2.54%
Rural Rate Protection Charge	846	0.0013	1.10	846	0.0013	1.10	0.00	0.00%	0.77%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.17%
Sub-Total: Regulatory			5.07			5.07	0.00	0.00%	3.54%	3.46%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.91%	3.83%
Total Bill on Two-Tier RPP (before Taxes)			141.58			140.98	-0.60	-0.43%	98.33%	
HST		0.13	18.41		0.13	18.33	-0.08	-0.43%	12.78%	
Total Bill (including HST)			159.99			159.31	-0.68	-0.43%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.00		-0.10	-15.93	0.07	-0.43%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			143.99			143.38	-0.61	-0.43%	100.00%	
Total Bill on TOU (before Taxes)			144.54			143.93	-0.60	-0.42%		98.33%
HST		0.13	18.79		0.13	18.71	-0.08	-0.42%		12.78%
Total Bill (including HST)			163.33			162.64	-0.68	-0.42%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.33		-0.10	-16.26	0.07	-0.42%		-11.11%
Total Bill on TOU (including OCEB)			146.99			146.38	-0.61	-0.42%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2114
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	16.52%	
Energy Second Tier (kWh)	1,400	0.110	154.00	1,400	0.110	154.00	0.00	0.00%	45.11%	
Sub-Total: Energy (RPP)			210.40			210.40	0.00	0.00%	61.63%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		30.63%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		13.14%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		17.34%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	59.83%	61.11%
Service Charge	1	19.07	19.07	1	19.07	19.07	0.00	0.00%	5.59%	5.70%
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	1.01	1.01	1	0.65	0.65	-0.36	-35.64%	0.19%	0.19%
Distribution Volumetric Rate	2,000	0.0208	41.60	2,000	0.0206	41.20	-0.40	-0.96%	12.07%	12.33%
Volumetric Deferral/Variance Account Rider	2,000	-0.0002	-0.40	2,000	-0.0002	-0.40	0.00	0.00%	-0.12%	-0.12%
Sub-Total: Distribution (excluding pass through)			61.28			60.52	-0.76	-1.24%	17.73%	18.10%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.23%	0.24%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.11	12.54	114	0.11	12.54	0.00	0.00%	3.67%	3.75%
Line Losses on Cost of Power (based on TOU prices)	114	0.10	11.64	114	0.10	11.64	0.00	0.00%	3.41%	3.48%
Sub-Total: Distribution (based on two-tier RPP prices)			74.61			73.85	-0.76	-1.02%	21.63%	22.09%
Sub-Total: Distribution (based on TOU prices)			73.71			72.95	-0.76	-1.03%	21.37%	21.82%
Retail Transmission Rate – Network Service Rate	2,114	0.007	14.80	2,114	0.0069	14.59	-0.21	-1.43%	4.27%	4.36%
Retail Transmission Rate – Line and Transformation Connection S	2,114	0.005	10.57	2,114	0.005	10.57	0.00	0.00%	3.10%	3.16%
Sub-Total: Retail Transmission			25.37			25.16	-0.21	-0.83%	7.37%	7.53%
Sub-Total: Delivery (based on two-tier RPP prices)			99.98			99.01	-0.97	-0.97%	29.00%	29.62%
Sub-Total: Delivery (based on TOU prices)			99.08			98.11	-0.97	-0.98%	28.74%	29.35%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	2.72%	2.78%
Rural Rate Protection Charge	2,114	0.0013	2.75	2,114	0.0013	2.75	0.00	0.00%	0.80%	0.82%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.60%	3.68%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.10%	4.19%
Total Bill on Two-Tier RPP (before Taxes)			336.68			335.71	-0.97	-0.29%	98.33%	
HST		0.13	43.77		0.13	43.64	-0.13	-0.29%	12.78%	
Total Bill (including HST)			380.45			379.35	-1.10	-0.29%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.04		-0.10	-37.93	0.11	-0.29%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			342.40			341.41	-0.99	-0.29%	100.00%	
Total Bill on TOU (before Taxes)			329.66			328.69	-0.97	-0.29%		98.33%
HST		0.13	42.86		0.13	42.73	-0.13	-0.29%		12.78%
Total Bill (including HST)			372.52			371.42	-1.10	-0.29%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.25		-0.10	-37.14	0.11	-0.29%		-11.11%
Total Bill on TOU (including OCEB)			335.27			334.28	-0.99	-0.29%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	107.6
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)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	21.04%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	21.04%	
TOU-Off Peak	64	0.080	5.12	64	0.080	5.12	0.00	0.00%		11.24%
TOU-Mid Peak	18	0.122	2.20	18	0.122	2.20	0.00	0.00%		4.82%
TOU-On Peak	18	0.161	2.90	18	0.161	2.90	0.00	0.00%		6.36%
Sub-Total: Energy (TOU)			10.21			10.21	0.00	0.00%	22.86%	22.42%
Service Charge	1	26.03	26.03	1	26.03	26.03	0.00	0.00%	58.27%	57.13%
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	1.14	1.14	1	0.73	0.73	-0.41	-35.96%	1.63%	1.60%
Distribution Volumetric Rate	100	0.0331	3.31	100	0.0347	3.47	0.16	4.83%	7.77%	7.62%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.48			30.23	-0.25	-0.82%	67.67%	66.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.77%	1.73%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.09	0.71	8	0.09	0.71	0.00	0.00%	1.60%	1.57%
Line Losses on Cost of Power (based on TOU prices)	8	0.10	0.78	8	0.10	0.78	0.00	0.00%	1.74%	1.70%
Sub-Total: Distribution (based on two-tier RPP prices)			31.98			31.73	-0.25	-0.78%	71.04%	69.65%
Sub-Total: Distribution (based on TOU prices)			32.05			31.80	-0.25	-0.78%	71.18%	69.79%
Retail Transmission Rate – Network Service Rate	108	0.0066	0.71	108	0.0065	0.70	-0.01	-1.52%	1.57%	1.54%
Retail Transmission Rate – Line and Transformation Connection S	108	0.0048	0.52	108	0.0049	0.53	0.01	2.08%	1.18%	1.16%
Sub-Total: Retail Transmission			1.23			1.23	0.00	0.00%	2.75%	2.69%
Sub-Total: Delivery (based on two-tier RPP prices)			33.21			32.96	-0.25	-0.75%	73.79%	72.34%
Sub-Total: Delivery (based on TOU prices)			33.27			33.02	-0.25	-0.75%	73.92%	72.48%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.06%	1.04%
Rural Rate Protection Charge	108	0.0013	0.14	108	0.0013	0.14	0.00	0.00%	0.31%	0.31%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.56%	0.55%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.93%	1.89%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.57%	1.54%
Total Bill on Two-Tier RPP (before Taxes)			44.17			43.92	-0.25	-0.57%	98.33%	
HST		0.13	5.74		0.13	5.71	-0.03	-0.57%	12.78%	
Total Bill (including HST)			49.92			49.63	-0.28	-0.57%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.99		-0.10	-4.96	0.03	-0.57%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			44.93			44.67	-0.25	-0.57%	100.00%	
Total Bill on TOU (before Taxes)			45.05			44.80	-0.25	-0.55%		98.33%
HST		0.13	5.86		0.13	5.82	-0.03	-0.55%	12.78%	
Total Bill (including HST)			50.91			50.62	-0.28	-0.55%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.09		-0.10	-5.06	0.03	-0.55%		-11.11%
Total Bill on TOU (including OCEB)			45.82			45.56	-0.25	-0.55%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	860.8
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	600	0.094	56.40	600	0.094	56.40	0.00	0.00%	34.45%	
Energy Second Tier (kWh)	200	0.110	22.00	200	0.110	22.00	0.00	0.00%	13.44%	
Sub-Total: Energy (RPP)			78.40			78.40	0.00	0.00%	47.89%	
TOU-Off Peak	512	0.080	40.96	512	0.080	40.96	0.00	0.00%		24.59%
TOU-Mid Peak	144	0.122	17.57	144	0.122	17.57	0.00	0.00%		10.55%
TOU-On Peak	144	0.161	23.18	144	0.161	23.18	0.00	0.00%		13.92%
Sub-Total: Energy (TOU)			81.71			81.71	0.00	0.00%	49.91%	49.05%
Service Charge	1	26.03	26.03	1	26.03	26.03	0.00	0.00%	15.90%	15.63%
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	1.14	1.14	1	0.73	0.73	-0.41	-35.96%	0.45%	0.44%
Distribution Volumetric Rate	800	0.0331	26.48	800	0.0347	27.76	1.28	4.83%	16.96%	16.66%
Volumetric Deferral/Variance Account Rider	800	0.0000	0.00	800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.65			54.52	0.87	1.62%	33.30%	32.73%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.48%	0.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.11	6.69	61	0.11	6.69	0.00	0.00%	4.09%	4.01%
Line Losses on Cost of Power (based on TOU prices)	61	0.10	6.21	61	0.10	6.21	0.00	0.00%	3.79%	3.73%
Sub-Total: Distribution (based on two-tier RPP prices)			61.13			62.00	0.87	1.42%	37.87%	37.22%
Sub-Total: Distribution (based on TOU prices)			60.65			61.52	0.87	1.43%	37.58%	36.93%
Retail Transmission Rate – Network Service Rate	861	0.0066	5.68	861	0.0065	5.60	-0.09	-1.52%	3.42%	3.36%
Retail Transmission Rate – Line and Transformation Connection S	861	0.0048	4.13	861	0.0049	4.22	0.09	2.08%	2.58%	2.53%
Sub-Total: Retail Transmission			9.81			9.81	0.00	0.00%	5.99%	5.89%
Sub-Total: Delivery (based on two-tier RPP prices)			70.94			71.81	0.87	1.23%	43.87%	43.11%
Sub-Total: Delivery (based on TOU prices)			70.46			71.33	0.87	1.23%	43.57%	42.82%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.31%	2.27%
Rural Rate Protection Charge	861	0.0013	1.12	861	0.0013	1.12	0.00	0.00%	0.68%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.15%
Sub-Total: Regulatory			5.16			5.16	0.00	0.00%	3.15%	3.10%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.42%	3.36%
Total Bill on Two-Tier RPP (before Taxes)			160.10			160.97	0.87	0.54%	98.33%	
HST		0.13	20.81		0.13	20.93	0.11	0.54%	12.78%	
Total Bill (including HST)			180.91			181.89	0.98	0.54%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.09		-0.10	-18.19	-0.10	0.54%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			162.82			163.70	0.88	0.54%	100.00%	
Total Bill on TOU (before Taxes)			162.93			163.80	0.87	0.53%		98.33%
HST		0.13	21.18		0.13	21.29	0.11	0.53%		12.78%
Total Bill (including HST)			184.11			185.10	0.98	0.53%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.41		-0.10	-18.51	-0.10	0.53%		-11.11%
Total Bill on TOU (including OCEB)			165.70			166.59	0.88	0.53%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2152
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	14.78%	
Energy Second Tier (kWh)	1,400	0.110	154.00	1,400	0.110	154.00	0.00	0.00%	40.37%	
Sub-Total: Energy (RPP)			210.40			210.40	0.00	0.00%	55.15%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		27.38%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		11.74%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		15.49%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	53.55%	54.61%
Service Charge	1	26.03	26.03	1	26.03	26.03	0.00	0.00%	6.82%	6.96%
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	1.14	1.14	1	0.73	0.73	-0.41	-35.96%	0.19%	0.20%
Distribution Volumetric Rate	2,000	0.0331	66.20	2,000	0.0347	69.40	3.20	4.83%	18.19%	18.55%
Volumetric Deferral/Variance Account Rider	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			93.37			96.16	2.79	2.99%	25.21%	25.71%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.21%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.11	16.72	152	0.11	16.72	0.00	0.00%	4.38%	4.47%
Line Losses on Cost of Power (based on TOU prices)	152	0.10	15.53	152	0.10	15.53	0.00	0.00%	4.07%	4.15%
Sub-Total: Distribution (based on two-tier RPP prices)			110.88			113.67	2.79	2.52%	29.80%	30.39%
Sub-Total: Distribution (based on TOU prices)			109.69			112.48	2.79	2.54%	29.48%	30.07%
Retail Transmission Rate – Network Service Rate	2,152	0.0066	14.20	2,152	0.0065	13.99	-0.22	-1.52%	3.67%	3.74%
Retail Transmission Rate – Line and Transformation Connection S	2,152	0.0048	10.33	2,152	0.0049	10.54	0.22	2.08%	2.76%	2.82%
Sub-Total: Retail Transmission			24.53			24.53	0.00	0.00%	6.43%	6.56%
Sub-Total: Delivery (based on two-tier RPP prices)			135.41			138.20	2.79	2.06%	36.23%	36.95%
Sub-Total: Delivery (based on TOU prices)			134.22			137.01	2.79	2.08%	35.91%	36.63%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.48%	2.53%
Rural Rate Protection Charge	2,152	0.0013	2.80	2,152	0.0013	2.80	0.00	0.00%	0.73%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.52			12.52	0.00	0.00%	3.28%	3.35%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.67%	3.74%
Total Bill on Two-Tier RPP (before Taxes)			372.33			375.12	2.79	0.75%	98.33%	
HST		0.13	48.40		0.13	48.77	0.36	0.75%	12.78%	
Total Bill (including HST)			420.73			423.88	3.15	0.75%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.07		-0.10	-42.39	-0.32	0.75%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			378.66			381.50	2.84	0.75%	100.00%	
Total Bill on TOU (before Taxes)			365.01			367.80	2.79	0.76%		98.33%
HST		0.13	47.45		0.13	47.81	0.36	0.76%		12.78%
Total Bill (including HST)			412.47			415.62	3.15	0.76%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.25		-0.10	-41.56	-0.32	0.76%		-11.11%
Total Bill on TOU (including OCEB)			371.22			374.06	2.84	0.76%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	110.5
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)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	17.07%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	17.07%	
TOU-Off Peak	64	0.080	5.12	64	0.080	5.12	0.00	0.00%		9.15%
TOU-Mid Peak	18	0.122	2.20	18	0.122	2.20	0.00	0.00%		3.92%
TOU-On Peak	18	0.161	2.90	18	0.161	2.90	0.00	0.00%		5.18%
Sub-Total: Energy (TOU)			10.21			10.21	0.00	0.00%	18.55%	18.25%
Service Charge	1	34.02	34.02	1	34.02	34.02	0.00	0.00%	61.79%	60.78%
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	1.85	1.85	1	1.18	1.18	-0.67	-36.22%	2.14%	2.11%
Distribution Volumetric Rate	100	0.0424	4.24	100	0.0493	4.93	0.69	16.27%	8.95%	8.81%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			40.12			40.14	0.02	0.05%	72.91%	71.72%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.43%	1.41%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	0.99	11	0.09	0.99	0.00	0.00%	1.79%	1.76%
Line Losses on Cost of Power (based on TOU prices)	11	0.10	1.07	11	0.10	1.07	0.00	0.00%	1.95%	1.92%
Sub-Total: Distribution (based on two-tier RPP prices)			41.90			41.92	0.02	0.05%	76.14%	74.89%
Sub-Total: Distribution (based on TOU prices)			41.98			42.00	0.02	0.05%	76.29%	75.05%
Retail Transmission Rate – Network Service Rate	111	0.0063	0.70	111	0.0064	0.71	0.01	1.59%	1.28%	1.26%
Retail Transmission Rate – Line and Transformation Connection S	111	0.0045	0.50	111	0.0048	0.53	0.03	6.67%	0.96%	0.95%
Sub-Total: Retail Transmission			1.19			1.24	0.04	3.70%	2.25%	2.21%
Sub-Total: Delivery (based on two-tier RPP prices)			43.09			43.15	0.06	0.15%	78.38%	77.10%
Sub-Total: Delivery (based on TOU prices)			43.18			43.24	0.06	0.15%	78.54%	77.26%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.88%	0.87%
Rural Rate Protection Charge	111	0.0013	0.14	111	0.0013	0.14	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%	0.45%	0.45%
Sub-Total: Regulatory			0.88			0.88	0.00	0.00%	1.60%	1.57%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.27%	1.25%
Total Bill on Two-Tier RPP (before Taxes)			54.07			54.13	0.06	0.12%	98.33%	
HST		0.13	7.03		0.13	7.04	0.01	0.12%	12.78%	
Total Bill (including HST)			61.10			61.17	0.07	0.12%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.11		-0.10	-6.12	-0.01	0.12%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			54.99			55.05	0.07	0.12%	100.00%	
Total Bill on TOU (before Taxes)			54.97			55.03	0.06	0.12%		98.33%
HST		0.13	7.15		0.13	7.15	0.01	0.12%		12.78%
Total Bill (including HST)			62.12			62.19	0.07	0.12%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.21		-0.10	-6.22	-0.01	0.12%		-11.11%
Total Bill on TOU (including OCEB)			55.90			55.97	0.07	0.12%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	884
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	30.15%	
Energy Second Tier (kWh)	200	0.110	22.00	200	0.110	22.00	0.00	0.00%	11.76%	
Sub-Total: Energy (RPP)			78.40			78.40	0.00	0.00%	41.91%	
TOU-Off Peak	512	0.080	40.96	512	0.080	40.96	0.00	0.00%		21.58%
TOU-Mid Peak	144	0.122	17.57	144	0.122	17.57	0.00	0.00%		9.26%
TOU-On Peak	144	0.161	23.18	144	0.161	23.18	0.00	0.00%		12.22%
Sub-Total: Energy (TOU)			81.71			81.71	0.00	0.00%	43.68%	43.06%
Service Charge	1	34.02	34.02	1	34.02	34.02	0.00	0.00%	18.19%	17.93%
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	1.85	1.85	1	1.18	1.18	-0.67	-36.22%	0.63%	0.62%
Distribution Volumetric Rate	800	0.0424	33.92	800	0.0493	39.44	5.52	16.27%	21.08%	20.78%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			69.87			74.72	4.85	6.94%	39.94%	39.38%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.42%	0.42%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.11	9.24	84	0.11	9.24	0.00	0.00%	4.94%	4.87%
Line Losses on Cost of Power (based on TOU prices)	84	0.10	8.58	84	0.10	8.58	0.00	0.00%	4.59%	4.52%
Sub-Total: Distribution (based on two-tier RPP prices)			79.90			84.75	4.85	6.07%	45.30%	44.66%
Sub-Total: Distribution (based on TOU prices)			79.24			84.09	4.85	6.12%	44.95%	44.31%
Retail Transmission Rate – Network Service Rate	884	0.0063	5.57	884	0.0064	5.66	0.09	1.59%	3.02%	2.98%
Retail Transmission Rate – Line and Transformation Connection S	884	0.0045	3.98	884	0.0048	4.24	0.27	6.67%	2.27%	2.24%
Sub-Total: Retail Transmission			9.55			9.90	0.35	3.70%	5.29%	5.22%
Sub-Total: Delivery (based on two-tier RPP prices)			89.45			94.65	5.20	5.82%	50.60%	49.88%
Sub-Total: Delivery (based on TOU prices)			88.79			93.99	5.20	5.86%	50.24%	49.53%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.08%	2.05%
Rural Rate Protection Charge	884	0.0013	1.15	884	0.0013	1.15	0.00	0.00%	0.61%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			5.29			5.29	0.00	0.00%	2.83%	2.79%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.99%	2.95%
Total Bill on Two-Tier RPP (before Taxes)			178.74			183.94	5.20	2.91%	98.33%	
HST		0.13	23.24		0.13	23.91	0.68	2.91%	12.78%	
Total Bill (including HST)			201.97			207.85	5.88	2.91%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.20		-0.10	-20.79	-0.59	2.91%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			181.77			187.07	5.29	2.91%	100.00%	
Total Bill on TOU (before Taxes)			181.39			186.59	5.20	2.87%		98.33%
HST		0.13	23.58		0.13	24.26	0.68	2.87%		12.78%
Total Bill (including HST)			204.97			210.85	5.88	2.87%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.50		-0.10	-21.08	-0.59	2.87%		-11.11%
Total Bill on TOU (including OCEB)			184.47			189.76	5.29	2.87%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2210
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	0.094	56.40	600	0.094	56.40	0.00	0.00%	13.21%	
Energy Second Tier (kWh)	1,400	0.110	154.00	1,400	0.110	154.00	0.00	0.00%	36.06%	
Sub-Total: Energy (RPP)			210.40			210.40	0.00	0.00%	49.27%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		24.43%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		10.48%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		13.83%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	47.84%	48.74%
Service Charge	1	34.02	34.02	1	34.02	34.02	0.00	0.00%	7.97%	8.12%
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	1.85	1.85	1	1.18	1.18	-0.67	-36.22%	0.28%	0.28%
Distribution Volumetric Rate	2,000	0.0424	84.80	2,000	0.0493	98.60	13.80	16.27%	23.09%	23.53%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			120.87			134.00	13.13	10.86%	31.38%	31.97%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.11	23.10	210	0.11	23.10	0.00	0.00%	5.41%	5.51%
Line Losses on Cost of Power (based on TOU prices)	210	0.10	21.45	210	0.10	21.45	0.00	0.00%	5.02%	5.12%
Sub-Total: Distribution (based on two-tier RPP prices)			144.76			157.89	13.13	9.07%	36.97%	37.67%
Sub-Total: Distribution (based on TOU prices)			143.11			156.24	13.13	9.17%	36.59%	37.28%
Retail Transmission Rate – Network Service Rate	2,210	0.0063	13.92	2,210	0.0064	14.14	0.22	1.59%	3.31%	3.37%
Retail Transmission Rate – Line and Transformation Connection S	2,210	0.0045	9.95	2,210	0.0048	10.61	0.66	6.67%	2.48%	2.53%
Sub-Total: Retail Transmission			23.87			24.75	0.88	3.70%	5.80%	5.91%
Sub-Total: Delivery (based on two-tier RPP prices)			168.63			182.64	14.01	8.31%	42.77%	43.58%
Sub-Total: Delivery (based on TOU prices)			166.98			180.99	14.01	8.39%	42.38%	43.18%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.28%	2.32%
Rural Rate Protection Charge	2,210	0.0013	2.87	2,210	0.0013	2.87	0.00	0.00%	0.67%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.85			12.85	0.00	0.00%	3.01%	3.07%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.28%	3.34%
Total Bill on Two-Tier RPP (before Taxes)			405.88			419.89	14.01	3.45%	98.33%	
HST		0.13	52.76		0.13	54.59	1.82	3.45%	12.78%	
Total Bill (including HST)			458.64			474.47	15.84	3.45%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.86		-0.10	-47.45	-1.58	3.45%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			412.77			427.03	14.25	3.45%	100.00%	
Total Bill on TOU (before Taxes)			398.10			412.12	14.01	3.52%		98.33%
HST		0.13	51.75		0.13	53.58	1.82	3.52%		12.78%
Total Bill (including HST)			449.86			465.69	15.84	3.52%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.99		-0.10	-46.57	-1.58	3.52%		-11.11%
Total Bill on TOU (including OCEB)			404.87			419.12	14.25	3.52%		100.00%

2016 Bill Impacts (Low Consumption Level)

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	0.094	4.70	50	0.094	4.70	0.00	0.00%	16.49%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.70			4.70	0.00	0.00%	16.49%	
TOU-Off Peak	32	0.080	2.56	32	0.080	2.56	0.00	0.00%		8.85%
TOU-Mid Peak	9	0.122	1.10	9	0.122	1.10	0.00	0.00%		3.79%
TOU-On Peak	9	0.161	1.45	9	0.161	1.45	0.00	0.00%		5.01%
Sub-Total: Energy (TOU)			5.11			5.11	0.00	0.00%	17.92%	17.65%
Service Charge	1	28.62	28.62	1	19.07	19.07	-9.55	-33.37%	66.90%	65.89%
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	1.16	1.16	1	0.65	0.65	-0.51	-43.97%	2.28%	2.25%
Distribution Volumetric Rate	50	0.0764	3.82	50	0.0206	1.03	-2.79	-73.04%	3.61%	3.56%
Volumetric Deferral/Variance Account Rider	50	0.0008	0.04	50	-0.0002	-0.01	-0.05	-125.00%	-0.04%	-0.03%
Sub-Total: Distribution (excluding pass through)			33.64			20.74	-12.90	-38.35%	72.76%	71.66%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.77%	2.73%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.49	3	0.09	0.27	-0.22	-45.19%	0.94%	0.93%
Line Losses on Cost of Power (based on TOU prices)	5	0.10	0.53	3	0.10	0.29	-0.24	-45.19%	1.02%	1.01%
Sub-Total: Distribution (based on two-tier RPP prices)			34.92			21.80	-13.12	-37.58%	76.47%	75.32%
Sub-Total: Distribution (based on TOU prices)			34.96			21.82	-13.14	-37.58%	76.55%	75.40%
Retail Transmission Rate – Network Service Rate	55	0.0054	0.30	53	0.0069	0.36	0.07	22.34%	1.28%	1.26%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0042	0.23	53	0.005	0.26	0.03	13.98%	0.93%	0.91%
Sub-Total: Retail Transmission			0.53			0.63	0.10	18.68%	2.21%	2.17%
Sub-Total: Delivery (based on two-tier RPP prices)			35.45			22.43	-13.02	-36.73%	78.68%	77.49%
Sub-Total: Delivery (based on TOU prices)			35.49			22.45	-13.04	-36.74%	78.76%	77.57%
Wholesale Market Service Rate	55	0.0044	0.24	53	0.0044	0.23	-0.01	-4.26%	0.82%	0.80%
Rural Rate Protection Charge	55	0.0013	0.07	53	0.0013	0.07	0.00	-4.26%	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%	0.88%	0.86%
Sub-Total: Regulatory			0.56			0.55	-0.01	-2.37%	1.93%	1.90%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	1.23%	1.21%
Total Bill on Two-Tier RPP (before Taxes)			41.06			28.03	-13.04	-31.74%	98.33%	
HST		0.13	5.34		0.13	3.64	-1.69	-31.74%	12.78%	
Total Bill (including HST)			46.40			31.67	-14.73	-31.74%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.64		-0.10	-3.17	1.47	-31.74%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			41.76			28.50	-13.26	-31.74%	100.00%	
Total Bill on TOU (before Taxes)			41.51			28.46	-13.05	-31.45%		98.33%
HST		0.13	5.40		0.13	3.70	-1.70	-31.45%	12.78%	
Total Bill (including HST)			46.91			32.16	-14.75	-31.45%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.69		-0.10	-3.22	1.48	-31.45%	-11.11%	
Total Bill on TOU (including OCEB)			42.22			28.94	-13.28	-31.45%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	SeasonalUR	UR
Monthly Consumption (kWh)	400	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - UR	1.057	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	442	
Monthly Consumption (kWh) - Uplifted - UR	423	
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	0.094	37.60	400	0.094	37.60	0.00	0.00%	46.86%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			37.60			37.60	0.00	0.00%	46.86%	
TOU-Off Peak	256	0.080	20.48	256	0.080	20.48	0.00	0.00%		24.45%
TOU-Mid Peak	72	0.122	8.78	72	0.122	8.78	0.00	0.00%		10.49%
TOU-On Peak	72	0.161	11.59	72	0.161	11.59	0.00	0.00%		13.84%
Sub-Total: Energy (TOU)			40.86			40.86	0.00	0.00%	50.91%	48.79%
Service Charge	1	28.62	28.62	1	19.07	19.07	-9.55	-33.37%	23.76%	22.77%
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	1.16	1.16	1	0.65	0.65	-0.51	-43.97%	0.81%	0.78%
Distribution Volumetric Rate	400	0.0764	30.56	400	0.0206	8.24	-22.32	-73.04%	10.27%	9.84%
Volumetric Deferral/Variance Account Rider	400	0.0008	0.32	400	-0.0002	-0.08	-0.40	-125.00%	-0.10%	-0.10%
Sub-Total: Distribution (excluding pass through)			60.66			27.88	-32.78	-54.04%	34.74%	33.29%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.98%	0.94%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.91	23	0.09	2.14	-1.77	-45.19%	2.67%	2.56%
Line Losses on Cost of Power (based on TOU prices)	42	0.10	4.25	23	0.10	2.33	-1.92	-45.19%	2.90%	2.78%
Sub-Total: Distribution (based on two-tier RPP prices)			65.36			30.81	-34.55	-52.86%	38.40%	36.79%
Sub-Total: Distribution (based on TOU prices)			65.70			31.00	-34.70	-52.82%	38.63%	37.02%
Retail Transmission Rate – Network Service Rate	442	0.0054	2.38	423	0.0069	2.92	0.53	22.34%	3.64%	3.48%
Retail Transmission Rate – Line and Transformation Connection S	442	0.0042	1.85	423	0.005	2.11	0.26	13.98%	2.63%	2.52%
Sub-Total: Retail Transmission			4.24			5.03	0.79	18.68%	6.27%	6.01%
Sub-Total: Delivery (based on two-tier RPP prices)			69.60			35.84	-33.76	-48.50%	44.67%	42.80%
Sub-Total: Delivery (based on TOU prices)			69.94			36.03	-33.91	-48.48%	44.90%	43.02%
Wholesale Market Service Rate	442	0.0044	1.94	423	0.0044	1.86	-0.08	-4.26%	2.32%	2.22%
Rural Rate Protection Charge	442	0.0013	0.57	423	0.0013	0.55	-0.02	-4.26%	0.68%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.31%	0.30%
Sub-Total: Regulatory			2.77			2.66	-0.11	-3.87%	3.31%	3.18%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	3.49%	3.34%
Total Bill on Two-Tier RPP (before Taxes)			112.77			78.90	-33.86	-30.03%	98.33%	
HST		0.13	14.66		0.13	10.26	-4.40	-30.03%	12.78%	
Total Bill (including HST)			127.43			89.16	-38.26	-30.03%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.74		-0.10	-8.92	3.83	-30.03%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			114.68			80.25	-34.44	-30.03%	100.00%	
Total Bill on TOU (before Taxes)			116.36			82.35	-34.02	-29.23%		98.33%
HST		0.13	15.13		0.13	10.70	-4.42	-29.23%		12.78%
Total Bill (including HST)			131.49			93.05	-38.44	-29.23%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.15		-0.10	-9.31	3.84	-29.23%		-11.11%
Total Bill on TOU (including OCEB)			118.34			83.75	-34.59	-29.23%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	SeasonalUR	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	0.094	56.40	600	0.094	56.40	0.00	0.00%	31.98%	
Energy Second Tier (kWh)	400	0.110	44.00	400	0.110	44.00	0.00	0.00%	24.95%	
Sub-Total: Energy (RPP)			100.40			100.40	0.00	0.00%	56.92%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		28.81%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		12.36%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		16.31%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	57.91%	57.48%
Service Charge	1	28.62	28.62	1	19.07	19.07	-9.55	-33.37%	10.81%	10.73%
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	1.16	1.16	1	0.65	0.65	-0.51	-43.97%	0.37%	0.37%
Distribution Volumetric Rate	1,000	0.0764	76.40	1,000	0.0206	20.60	-55.80	-73.04%	11.68%	11.59%
Volumetric Deferral/Variance Account Rider	1,000	0.0008	0.80	1,000	-0.0002	-0.20	-1.00	-125.00%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			106.98			40.12	-66.86	-62.50%	22.75%	22.58%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.45%	0.44%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.11	11.44	57	0.11	6.27	-5.17	-45.19%	3.55%	3.53%
Line Losses on Cost of Power (based on TOU prices)	104	0.10	10.62	57	0.10	5.82	-4.80	-45.19%	3.30%	3.28%
Sub-Total: Distribution (based on two-tier RPP prices)			119.21			47.18	-72.03	-60.42%	26.75%	26.55%
Sub-Total: Distribution (based on TOU prices)			118.39			46.73	-71.66	-60.53%	26.49%	26.30%
Retail Transmission Rate – Network Service Rate	1,104	0.0054	5.96	1,057	0.0069	7.29	1.33	22.34%	4.13%	4.10%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0042	4.64	1,057	0.005	5.29	0.65	13.98%	3.00%	2.97%
Sub-Total: Retail Transmission			10.60			12.58	1.98	18.68%	7.13%	7.08%
Sub-Total: Delivery (based on two-tier RPP prices)			129.81			59.76	-70.05	-53.96%	33.88%	33.63%
Sub-Total: Delivery (based on TOU prices)			128.99			59.31	-69.68	-54.02%	33.63%	33.38%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,057	0.0044	4.65	-0.21	-4.26%	2.64%	2.62%
Rural Rate Protection Charge	1,104	0.0013	1.44	1,057	0.0013	1.37	-0.06	-4.26%	0.78%	0.77%
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			6.54			6.27	-0.27	-4.09%	3.56%	3.53%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.97%	3.94%
Total Bill on Two-Tier RPP (before Taxes)			243.75			173.43	-70.32	-28.85%	98.33%	
HST		0.13	31.69		0.13	22.55	-9.14	-28.85%	12.78%	
Total Bill (including HST)			275.44			195.98	-79.46	-28.85%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.54		-0.10	-19.60	7.95	-28.85%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			247.89			176.38	-71.51	-28.85%	100.00%	
Total Bill on TOU (before Taxes)			244.67			174.73	-69.95	-28.59%		98.33%
HST		0.13	31.81		0.13	22.71	-9.09	-28.59%		12.78%
Total Bill (including HST)			276.48			197.44	-79.04	-28.59%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.65		-0.10	-19.74	7.90	-28.59%		-11.11%
Total Bill on TOU (including OCEB)			248.83			177.70	-71.14	-28.59%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	SeasonalR1	R1
Monthly Consumption (kWh)	50	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - R1	1.076	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	55	
Monthly Consumption (kWh) - Uplifted - R1	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	0.094	4.70	50	0.094	4.70	0.00	0.00%	12.89%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.70			4.70	0.00	0.00%	12.89%	
TOU-Off Peak	32	0.080	2.56	32	0.080	2.56	0.00	0.00%		6.93%
TOU-Mid Peak	9	0.122	1.10	9	0.122	1.10	0.00	0.00%		2.97%
TOU-On Peak	9	0.161	1.45	9	0.161	1.45	0.00	0.00%		3.92%
Sub-Total: Energy (TOU)			5.11			5.11	0.00	0.00%	14.00%	13.83%
Service Charge	1	28.62	28.62	1	26.03	26.03	-2.59	-9.05%	71.37%	70.51%
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	1.16	1.16	1	0.73	0.73	-0.43	-37.07%	2.00%	1.98%
Distribution Volumetric Rate	50	0.0764	3.82	50	0.0347	1.74	-2.09	-54.58%	4.76%	4.70%
Volumetric Deferral/Variance Account Rider	50	0.0008	0.04	50	0	0.00	-0.04	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			33.64			28.50	-5.15	-15.29%	78.13%	77.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.17%	2.14%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.49	4	0.09	0.36	-0.13	-26.92%	0.98%	0.97%
Line Losses on Cost of Power (based on TOU prices)	5	0.10	0.53	4	0.10	0.39	-0.14	-26.92%	1.06%	1.05%
Sub-Total: Distribution (based on two-tier RPP prices)			34.92			29.64	-5.28	-15.11%	81.27%	80.29%
Sub-Total: Distribution (based on TOU prices)			34.96			29.67	-5.29	-15.13%	81.36%	80.38%
Retail Transmission Rate – Network Service Rate	55	0.0054	0.30	54	0.0065	0.35	0.05	17.32%	0.96%	0.95%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0042	0.23	54	0.0049	0.26	0.03	13.71%	0.72%	0.71%
Sub-Total: Retail Transmission			0.53			0.61	0.08	15.74%	1.68%	1.66%
Sub-Total: Delivery (based on two-tier RPP prices)			35.45			30.26	-5.19	-14.65%	82.96%	81.96%
Sub-Total: Delivery (based on TOU prices)			35.49			30.29	-5.20	-14.66%	83.04%	82.04%
Wholesale Market Service Rate	55	0.0044	0.24	54	0.0044	0.24	-0.01	-2.54%	0.65%	0.64%
Rural Rate Protection Charge	55	0.0013	0.07	54	0.0013	0.07	0.00	-2.54%	0.19%	0.19%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.69%	0.68%
Sub-Total: Regulatory			0.56			0.56	-0.01	-1.41%	1.53%	1.51%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.96%	0.95%
Total Bill on Two-Tier RPP (before Taxes)			41.06			35.86	-5.20	-12.67%	98.33%	
HST		0.13	5.34		0.13	4.66	-0.68	-12.67%	12.78%	
Total Bill (including HST)			46.40			40.52	-5.88	-12.67%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.64		-0.10	-4.05	0.59	-12.67%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			41.76			36.47	-5.29	-12.67%	100.00%	
Total Bill on TOU (before Taxes)			41.51			36.30	-5.21	-12.56%		98.33%
HST		0.13	5.40		0.13	4.72	-0.68	-12.56%		12.78%
Total Bill (including HST)			46.91			41.02	-5.89	-12.56%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.69		-0.10	-4.10	0.59	-12.56%		-11.11%
Total Bill on TOU (including OCEB)			42.22			36.92	-5.30	-12.56%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	SeasonalR1	R1
Monthly Consumption (kWh)	400	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - R1	1.076	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	442	
Monthly Consumption (kWh) - Uplifted - R1	430	
Charge determinant	kWh	

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	400	0.094	37.60	400	0.094	37.60	0.00	0.00%	40.06%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			37.60			37.60	0.00	0.00%	40.06%	
TOU-Off Peak	256	0.080	20.48	256	0.080	20.48	0.00	0.00%		21.02%
TOU-Mid Peak	72	0.122	8.78	72	0.122	8.78	0.00	0.00%		9.02%
TOU-On Peak	72	0.161	11.59	72	0.161	11.59	0.00	0.00%		11.90%
Sub-Total: Energy (TOU)			40.86			40.86	0.00	0.00%	43.53%	41.93%
Service Charge	1	28.62	28.62	1	26.03	26.03	-2.59	-9.05%	27.73%	26.72%
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	1.16	1.16	1	0.73	0.73	-0.43	-37.07%	0.78%	0.75%
Distribution Volumetric Rate	400	0.0764	30.56	400	0.0347	13.88	-16.68	-54.58%	14.79%	14.25%
Volumetric Deferral/Variance Account Rider	400	0.0008	0.32	400	0	0.00	-0.32	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			60.66			40.64	-20.02	-33.00%	43.30%	41.71%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.84%	0.81%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.91	30	0.09	2.86	-1.05	-26.92%	3.04%	2.93%
Line Losses on Cost of Power (based on TOU prices)	42	0.10	4.25	30	0.10	3.11	-1.14	-26.92%	3.31%	3.19%
Sub-Total: Distribution (based on two-tier RPP prices)			65.36			44.29	-21.07	-32.24%	47.18%	45.46%
Sub-Total: Distribution (based on TOU prices)			65.70			44.54	-21.16	-32.21%	47.45%	45.71%
Retail Transmission Rate – Network Service Rate	442	0.0054	2.38	430	0.0065	2.80	0.41	17.32%	2.98%	2.87%
Retail Transmission Rate – Line and Transformation Connection S	442	0.0042	1.85	430	0.0049	2.11	0.25	13.71%	2.25%	2.16%
Sub-Total: Retail Transmission			4.24			4.91	0.67	15.74%	5.23%	5.04%
Sub-Total: Delivery (based on two-tier RPP prices)			69.60			49.19	-20.41	-29.32%	52.41%	50.49%
Sub-Total: Delivery (based on TOU prices)			69.94			49.44	-20.50	-29.31%	52.67%	50.75%
Wholesale Market Service Rate	442	0.0044	1.94	430	0.0044	1.89	-0.05	-2.54%	2.02%	1.94%
Rural Rate Protection Charge	442	0.0013	0.57	430	0.0013	0.56	-0.01	-2.54%	0.60%	0.57%
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			2.77			2.70	-0.06	-2.31%	2.88%	2.77%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.98%	2.87%
Total Bill on Two-Tier RPP (before Taxes)			112.77			92.30	-20.47	-18.15%	98.33%	
HST		0.13	14.66		0.13	12.00	-2.66	-18.15%	12.78%	
Total Bill (including HST)			127.43			104.30	-23.13	-18.15%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.74		-0.10	-10.43	2.31	-18.15%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			114.68			93.87	-20.82	-18.15%	100.00%	
Total Bill on TOU (before Taxes)			116.36			95.80	-20.56	-17.67%		98.33%
HST		0.13	15.13		0.13	12.45	-2.67	-17.67%		12.78%
Total Bill (including HST)			131.49			108.26	-23.23	-17.67%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.15		-0.10	-10.83	2.32	-17.67%		-11.11%
Total Bill on TOU (including OCEB)			118.34			97.43	-20.91	-17.67%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	SeasonalR1	R1
Monthly Consumption (kWh)	1000	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - R1	1.076	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	1104	
Monthly Consumption (kWh) - Uplifted - R1	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	0.094	56.40	600	0.094	56.40	0.00	0.00%	28.20%	
Energy Second Tier (kWh)	400	0.110	44.00	400	0.110	44.00	0.00	0.00%	22.00%	
Sub-Total: Energy (RPP)			100.40			100.40	0.00	0.00%	50.20%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		25.45%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		10.92%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		14.41%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	51.07%	50.77%
Service Charge	1	28.62	28.62	1	26.03	26.03	-2.59	-9.05%	13.01%	12.94%
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	1.16	1.16	1	0.73	0.73	-0.43	-37.07%	0.36%	0.36%
Distribution Volumetric Rate	1,000	0.0764	76.40	1,000	0.0347	34.70	-41.70	-54.58%	17.35%	17.25%
Volumetric Deferral/Variance Account Rider	1,000	0.0008	0.80	1,000	0	0.00	-0.80	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			106.98			61.46	-45.52	-42.55%	30.73%	30.55%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.39%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.11	11.44	76	0.11	8.36	-3.08	-26.92%	4.18%	4.16%
Line Losses on Cost of Power (based on TOU prices)	104	0.10	10.62	76	0.10	7.76	-2.86	-26.92%	3.88%	3.86%
Sub-Total: Distribution (based on two-tier RPP prices)			119.21			70.61	-48.60	-40.77%	35.30%	35.10%
Sub-Total: Distribution (based on TOU prices)			118.39			70.01	-48.38	-40.86%	35.01%	34.80%
Retail Transmission Rate – Network Service Rate	1,104	0.0054	5.96	1,076	0.0065	6.99	1.03	17.32%	3.50%	3.48%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0042	4.64	1,076	0.0049	5.27	0.64	13.71%	2.64%	2.62%
Sub-Total: Retail Transmission			10.60			12.27	1.67	15.74%	6.13%	6.10%
Sub-Total: Delivery (based on two-tier RPP prices)			129.81			82.88	-46.93	-36.15%	41.44%	41.20%
Sub-Total: Delivery (based on TOU prices)			128.99			82.28	-46.71	-36.21%	41.14%	40.90%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,076	0.0044	4.73	-0.12	-2.54%	2.37%	2.35%
Rural Rate Protection Charge	1,104	0.0013	1.44	1,076	0.0013	1.40	-0.04	-2.54%	0.70%	0.70%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			6.54			6.38	-0.16	-2.44%	3.19%	3.17%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.50%	3.48%
Total Bill on Two-Tier RPP (before Taxes)			243.75			196.66	-47.09	-19.32%	98.33%	
HST		0.13	31.69		0.13	25.57	-6.12	-19.32%	12.78%	
Total Bill (including HST)			275.44			222.23	-53.21	-19.32%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.54		-0.10	-22.22	5.32	-19.32%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			247.89			200.00	-47.89	-19.32%	100.00%	
Total Bill on TOU (before Taxes)			244.67			197.80	-46.87	-19.16%		98.33%
HST		0.13	31.81		0.13	25.71	-6.09	-19.16%		12.78%
Total Bill (including HST)			276.48			223.52	-52.96	-19.16%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.65		-0.10	-22.35	5.30	-19.16%		-11.11%
Total Bill on TOU (including OCEB)			248.83			201.16	-47.67	-19.16%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	SeasonalR2	R2
Monthly Consumption (kWh)	50	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - R2	1.105	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	55	
Monthly Consumption (kWh) - Uplifted - R2	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	0.094	4.70	50	0.094	4.70	0.00	0.00%	6.03%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.70			4.70	0.00	0.00%	6.03%	
TOU-Off Peak	32	0.080	2.56	32	0.080	2.56	0.00	0.00%		3.26%
TOU-Mid Peak	9	0.122	1.10	9	0.122	1.10	0.00	0.00%		1.40%
TOU-On Peak	9	0.161	1.45	9	0.161	1.45	0.00	0.00%		1.85%
Sub-Total: Energy (TOU)			5.11			5.11	0.00	0.00%	6.55%	6.51%
Service Charge	1	28.62	28.62	1	65.52	65.52	36.90	128.93%	84.01%	83.52%
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	1.16	1.16	1	1.18	1.18	0.02	1.72%	1.51%	1.50%
Distribution Volumetric Rate	50	0.0764	3.82	50	0.0493	2.47	-1.36	-35.47%	3.16%	3.14%
Volumetric Deferral/Variance Account Rider	50	0.0008	0.04	50	0.0001	0.01	-0.04	-87.50%	0.01%	0.01%
Sub-Total: Distribution (excluding pass through)			33.64			69.17	35.53	105.62%	88.69%	88.17%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.01%	1.01%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.49	5	0.09	0.49	0.00	0.96%	0.63%	0.63%
Line Losses on Cost of Power (based on TOU prices)	5	0.10	0.53	5	0.10	0.54	0.01	0.96%	0.69%	0.68%
Sub-Total: Distribution (based on two-tier RPP prices)			34.92			70.45	35.53	101.76%	90.34%	89.81%
Sub-Total: Distribution (based on TOU prices)			34.96			70.50	35.54	101.64%	90.39%	89.86%
Retail Transmission Rate – Network Service Rate	55	0.0054	0.30	55	0.0064	0.35	0.06	18.63%	0.45%	0.45%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0042	0.23	55	0.0048	0.27	0.03	14.39%	0.34%	0.34%
Sub-Total: Retail Transmission			0.53			0.62	0.09	16.77%	0.79%	0.79%
Sub-Total: Delivery (based on two-tier RPP prices)			35.45			71.07	35.62	100.49%	91.13%	90.60%
Sub-Total: Delivery (based on TOU prices)			35.49			71.12	35.62	100.37%	91.18%	90.65%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.09%	0.31%	0.31%
Rural Rate Protection Charge	55	0.0013	0.07	55	0.0013	0.07	0.00	0.09%	0.09%	0.09%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.32%	0.32%
Sub-Total: Regulatory			0.56			0.56	0.00	0.05%	0.72%	0.72%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.45%	0.45%
Total Bill on Two-Tier RPP (before Taxes)			41.06			76.69	35.62	86.75%	98.33%	
HST		0.13	5.34		0.13	9.97	4.63	86.75%	12.78%	
Total Bill (including HST)			46.40			86.66	40.25	86.75%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.64		-0.10	-8.67	-4.03	86.75%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			41.76			77.99	36.23	86.75%	100.00%	
Total Bill on TOU (before Taxes)			41.51			77.14	35.62	85.82%		98.33%
HST		0.13	5.40		0.13	10.03	4.63	85.82%		12.78%
Total Bill (including HST)			46.91			87.16	40.26	85.82%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.69		-0.10	-8.72	-4.03	85.82%		-11.11%
Total Bill on TOU (including OCEB)			42.22			78.45	36.23	85.82%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	SeasonalR2	R2
Monthly Consumption (kWh)	400	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - R2	1.105	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	442	
Monthly Consumption (kWh) - Uplifted - R2	442	
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	0.094	37.60	400	0.094	37.60	0.00	0.00%	26.54%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			37.60			37.60	0.00	0.00%	26.54%	
TOU-Off Peak	256	0.080	20.48	256	0.080	20.48	0.00	0.00%		14.09%
TOU-Mid Peak	72	0.122	8.78	72	0.122	8.78	0.00	0.00%		6.04%
TOU-On Peak	72	0.161	11.59	72	0.161	11.59	0.00	0.00%		7.98%
Sub-Total: Energy (TOU)			40.86			40.86	0.00	0.00%	28.84%	28.11%
Service Charge	1	28.62	28.62	1	65.52	65.52	36.90	128.93%	46.24%	45.08%
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	1.16	1.16	1	1.18	1.18	0.02	1.72%	0.83%	0.81%
Distribution Volumetric Rate	400	0.0764	30.56	400	0.0493	19.72	-10.84	-35.47%	13.92%	13.57%
Volumetric Deferral/Variance Account Rider	400	0.0008	0.32	400	0.0001	0.04	-0.28	-87.50%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			60.66			86.46	25.80	42.53%	61.02%	59.49%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.56%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.91	42	0.09	3.95	0.04	0.96%	2.79%	2.72%
Line Losses on Cost of Power (based on TOU prices)	42	0.10	4.25	42	0.10	4.29	0.04	0.96%	3.03%	2.95%
Sub-Total: Distribution (based on two-tier RPP prices)			65.36			91.20	25.84	39.53%	64.37%	62.75%
Sub-Total: Distribution (based on TOU prices)			65.70			91.54	25.84	39.33%	64.61%	62.98%
Retail Transmission Rate – Network Service Rate	442	0.0054	2.38	442	0.0064	2.83	0.44	18.63%	2.00%	1.95%
Retail Transmission Rate – Line and Transformation Connection S	442	0.0042	1.85	442	0.0048	2.12	0.27	14.39%	1.50%	1.46%
Sub-Total: Retail Transmission			4.24			4.95	0.71	16.77%	3.49%	3.41%
Sub-Total: Delivery (based on two-tier RPP prices)			69.60			96.15	26.55	38.14%	67.86%	66.15%
Sub-Total: Delivery (based on TOU prices)			69.94			96.49	26.55	37.96%	68.10%	66.39%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.09%	1.37%	1.34%
Rural Rate Protection Charge	442	0.0013	0.57	442	0.0013	0.57	0.00	0.09%	0.41%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%	0.17%
Sub-Total: Regulatory			2.77			2.77	0.00	0.08%	1.95%	1.91%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	1.98%	1.93%
Total Bill on Two-Tier RPP (before Taxes)			112.77			139.32	26.55	23.54%	98.33%	
HST		0.13	14.66		0.13	18.11	3.45	23.54%	12.78%	
Total Bill (including HST)			127.43			157.43	30.00	23.54%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.74		-0.10	-15.74	-3.00	23.54%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			114.68			141.69	27.00	23.54%	100.00%	
Total Bill on TOU (before Taxes)			116.36			142.92	26.55	22.82%		98.33%
HST		0.13	15.13		0.13	18.58	3.45	22.82%		12.78%
Total Bill (including HST)			131.49			161.49	30.01	22.82%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.15		-0.10	-16.15	-3.00	22.82%		-11.11%
Total Bill on TOU (including OCEB)			118.34			145.35	27.01	22.82%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	SeasonalR2	R2
Monthly Consumption (kWh)	1000	
Peak (kW)	0	
Loss factor - Seasonal	1.104	
Loss factor - R2	1.105	
Commodity Threshold	600	
Monthly Consumption (kWh) - Uplifted - Seasonal	1104	
Monthly Consumption (kWh) - Uplifted - R2	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	0.094	56.40	600	0.094	56.40	0.00	0.00%	21.77%	
Energy Second Tier (kWh)	400	0.110	44.00	400	0.110	44.00	0.00	0.00%	16.98%	
Sub-Total: Energy (RPP)			100.40			100.40	0.00	0.00%	38.75%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		19.69%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		8.45%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		11.15%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	39.42%	39.28%
Service Charge	1	28.62	28.62	1	65.52	65.52	36.90	128.93%	25.29%	25.20%
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	1.16	1.16	1	1.18	1.18	0.02	1.72%	0.46%	0.45%
Distribution Volumetric Rate	1,000	0.0764	76.40	1,000	0.0493	49.30	-27.10	-35.47%	19.03%	18.96%
Volumetric Deferral/Variance Account Rider	1,000	0.0008	0.80	1,000	0.0001	0.10	-0.70	-87.50%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			106.98			116.10	9.12	8.52%	44.81%	44.65%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.30%	0.30%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.11	11.44	105	0.11	11.55	0.11	0.96%	4.46%	4.44%
Line Losses on Cost of Power (based on TOU prices)	104	0.10	10.62	105	0.10	10.72	0.10	0.96%	4.14%	4.12%
Sub-Total: Distribution (based on two-tier RPP prices)			119.21			128.44	9.23	7.74%	49.57%	49.40%
Sub-Total: Distribution (based on TOU prices)			118.39			127.61	9.22	7.79%	49.25%	49.08%
Retail Transmission Rate – Network Service Rate	1,104	0.0054	5.96	1,105	0.0064	7.07	1.11	18.63%	2.73%	2.72%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0042	4.64	1,105	0.0048	5.30	0.67	14.39%	2.05%	2.04%
Sub-Total: Retail Transmission			10.60			12.38	1.78	16.77%	4.78%	4.76%
Sub-Total: Delivery (based on two-tier RPP prices)			129.81			140.82	11.01	8.48%	54.35%	54.15%
Sub-Total: Delivery (based on TOU prices)			128.99			139.99	11.00	8.53%	54.03%	53.84%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,105	0.0044	4.86	0.00	0.09%	1.88%	1.87%
Rural Rate Protection Charge	1,104	0.0013	1.44	1,105	0.0013	1.44	0.00	0.09%	0.55%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			6.54			6.55	0.01	0.09%	2.53%	2.52%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.70%	2.69%
Total Bill on Two-Tier RPP (before Taxes)			243.75			254.76	11.01	4.52%	98.33%	
HST		0.13	31.69		0.13	33.12	1.43	4.52%	12.78%	
Total Bill (including HST)			275.44			287.88	12.45	4.52%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.54		-0.10	-28.79	-1.24	4.52%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			247.89			259.10	11.20	4.52%	100.00%	
Total Bill on TOU (before Taxes)			244.67			255.68	11.01	4.50%		98.33%
HST		0.13	31.81		0.13	33.24	1.43	4.50%		12.78%
Total Bill (including HST)			276.48			288.92	12.44	4.50%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.65		-0.10	-28.89	-1.24	4.50%		-11.11%
Total Bill on TOU (including OCEB)			248.83			260.03	11.19	4.50%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1067
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	38.81%	
Energy Second Tier (kWh)	250	0.110	27.50	250	0.110	27.50	0.00	0.00%	15.14%	
Sub-Total: Energy (RPP)			98.00			98.00	0.00	0.00%	53.95%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		27.63%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		11.85%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		15.64%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	56.23%	55.12%
Service Charge	1	20.05	20.05	1	22.48	22.48	2.43	12.12%	12.38%	12.13%
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	0.97	0.97	1	0.65	0.65	-0.32	-32.99%	0.36%	0.35%
Distribution Volumetric Rate	1,000	0.0228	22.80	1,000	0.0254	25.40	2.60	11.40%	13.98%	13.71%
Volumetric Deferral/Variance Account Rider	1,000	-0.0003	-0.30	1,000	-0.0002	-0.20	0.10	-33.33%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			43.52			48.33	4.81	11.05%	26.61%	26.08%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.43%	0.43%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.11	7.37	67	0.11	7.37	0.00	0.00%	4.06%	3.98%
Line Losses on Cost of Power (based on TOU prices)	67	0.10	6.84	67	0.10	6.84	0.00	0.00%	3.77%	3.69%
Sub-Total: Distribution (based on two-tier RPP prices)			51.68			56.49	4.81	9.31%	31.10%	30.48%
Sub-Total: Distribution (based on TOU prices)			51.15			55.96	4.81	9.40%	30.81%	30.20%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0063	6.72	0.11	1.61%	3.70%	3.63%
Retail Transmission Rate – Line and Transformation Connection S	1,067	0.0039	4.16	1,067	0.0038	4.05	-0.11	-2.56%	2.23%	2.19%
Sub-Total: Retail Transmission			10.78			10.78	0.00	0.00%	5.93%	5.82%
Sub-Total: Delivery (based on two-tier RPP prices)			62.46			67.27	4.81	7.70%	37.03%	36.30%
Sub-Total: Delivery (based on TOU prices)			61.93			66.74	4.81	7.77%	36.74%	36.02%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.58%	2.53%
Rural Rate Protection Charge	1,067	0.0013	1.39	1,067	0.0013	1.39	0.00	0.00%	0.76%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.13%
Sub-Total: Regulatory			6.33			6.33	0.00	0.00%	3.49%	3.42%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.85%	3.78%
Total Bill on Two-Tier RPP (before Taxes)			173.79			178.60	4.81	2.77%	98.33%	
HST		0.13	22.59		0.13	23.22	0.63	2.77%	12.78%	
Total Bill (including HST)			196.38			201.82	5.44	2.77%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.64		-0.10	-20.18	-0.54	2.77%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			176.74			181.63	4.89	2.77%	100.00%	
Total Bill on TOU (before Taxes)			177.40			182.21	4.81	2.71%		98.33%
HST		0.13	23.06		0.13	23.69	0.63	2.71%		12.78%
Total Bill (including HST)			200.46			205.90	5.44	2.71%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.05		-0.10	-20.59	-0.54	2.71%		-11.11%
Total Bill on TOU (including OCEB)			180.42			185.31	4.89	2.71%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2134
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	20.09%	
Energy Second Tier (kWh)	1,250	0.110	137.50	1,250	0.110	137.50	0.00	0.00%	39.19%	
Sub-Total: Energy (RPP)			208.00			208.00	0.00	0.00%	59.28%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		29.59%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		12.69%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		16.75%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	58.22%	59.03%
Service Charge	1	20.05	20.05	1	22.48	22.48	2.43	12.12%	6.41%	6.50%
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	0.97	0.97	1	0.65	0.65	-0.32	-32.99%	0.19%	0.19%
Distribution Volumetric Rate	2,000	0.0228	45.60	2,000	0.0254	50.80	5.20	11.40%	14.48%	14.68%
Volumetric Deferral/Variance Account Rider	2,000	-0.0003	-0.60	2,000	-0.0002	-0.40	0.20	-33.33%	-0.11%	-0.12%
Sub-Total: Distribution (excluding pass through)			66.02			73.53	7.51	11.38%	20.96%	21.25%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.23%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.11	14.74	134	0.11	14.74	0.00	0.00%	4.20%	4.26%
Line Losses on Cost of Power (based on TOU prices)	134	0.10	13.69	134	0.10	13.69	0.00	0.00%	3.90%	3.96%
Sub-Total: Distribution (based on two-tier RPP prices)			81.55			89.06	7.51	9.21%	25.38%	25.74%
Sub-Total: Distribution (based on TOU prices)			80.50			88.01	7.51	9.33%	25.08%	25.43%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0063	13.44	0.21	1.61%	3.83%	3.89%
Retail Transmission Rate – Line and Transformation Connection S	2,134	0.0039	8.32	2,134	0.0038	8.11	-0.21	-2.56%	2.31%	2.34%
Sub-Total: Retail Transmission			21.55			21.55	0.00	0.00%	6.14%	6.23%
Sub-Total: Delivery (based on two-tier RPP prices)			103.10			110.61	7.51	7.28%	31.52%	31.97%
Sub-Total: Delivery (based on TOU prices)			102.05			109.56	7.51	7.36%	31.22%	31.66%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.68%	2.71%
Rural Rate Protection Charge	2,134	0.0013	2.77	2,134	0.0013	2.77	0.00	0.00%	0.79%	0.80%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.41			12.41	0.00	0.00%	3.54%	3.59%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.99%	4.05%
Total Bill on Two-Tier RPP (before Taxes)			337.52			345.03	7.51	2.23%	98.33%	
HST		0.13	43.88		0.13	44.85	0.98	2.23%	12.78%	
Total Bill (including HST)			381.39			389.88	8.49	2.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.14		-0.10	-38.99	-0.85	2.23%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			343.25			350.89	7.64	2.23%	100.00%	
Total Bill on TOU (before Taxes)			332.74			340.25	7.51	2.26%		98.33%
HST		0.13	43.26		0.13	44.23	0.98	2.26%		12.78%
Total Bill (including HST)			376.00			384.49	8.49	2.26%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.60		-0.10	-38.45	-0.85	2.26%		-11.11%
Total Bill on TOU (including OCEB)			338.40			346.04	7.64	2.26%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16005
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	2.54%	
Energy Second Tier (kWh)	14,250	0.110	1,567.50	14,250	0.110	1,567.50	0.00	0.00%	56.45%	
Sub-Total: Energy (RPP)			1,638.00			1,638.00	0.00	0.00%	58.98%	
TOU-Off Peak	9,600	0.080	768.00	9,600	0.080	768.00	0.00	0.00%		28.98%
TOU-Mid Peak	2,700	0.122	329.40	2,700	0.122	329.40	0.00	0.00%		12.43%
TOU-On Peak	2,700	0.161	434.70	2,700	0.161	434.70	0.00	0.00%		16.40%
Sub-Total: Energy (TOU)			1,532.10			1,532.10	0.00	0.00%	55.17%	57.82%
Service Charge	1	20.05	20.05	1	22.48	22.48	2.43	12.12%	0.81%	0.85%
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	0.97	0.97	1	0.65	0.65	-0.32	-32.99%	0.02%	0.02%
Distribution Volumetric Rate	15,000	0.0228	342.00	15,000	0.0254	381.00	39.00	11.40%	13.72%	14.38%
Volumetric Deferral/Variance Account Rider	15,000	-0.0003	-4.50	15,000	-0.0002	-3.00	1.50	-33.33%	-0.11%	-0.11%
Sub-Total: Distribution (excluding pass through)			358.52			401.13	42.61	11.88%	14.44%	15.14%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.11	110.55	1,005	0.11	110.55	0.00	0.00%	3.98%	4.17%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.10	102.65	1,005	0.10	102.65	0.00	0.00%	3.70%	3.87%
Sub-Total: Distribution (based on two-tier RPP prices)			469.86			512.47	42.61	9.07%	18.45%	19.34%
Sub-Total: Distribution (based on TOU prices)			461.96			504.57	42.61	9.22%	18.17%	19.04%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0063	100.83	1.60	1.61%	3.63%	3.81%
Retail Transmission Rate – Line and Transformation Connection S	16,005	0.0039	62.42	16,005	0.0038	60.82	-1.60	-2.56%	2.19%	2.30%
Sub-Total: Retail Transmission			161.65			161.65	0.00	0.00%	5.82%	6.10%
Sub-Total: Delivery (based on two-tier RPP prices)			631.51			674.12	42.61	6.75%	24.28%	25.44%
Sub-Total: Delivery (based on TOU prices)			623.61			666.22	42.61	6.83%	23.99%	25.14%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.54%	2.66%
Rural Rate Protection Charge	16,005	0.0013	20.81	16,005	0.0013	20.81	0.00	0.00%	0.75%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			91.48			91.48	0.00	0.00%	3.29%	3.45%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.78%	3.96%
Total Bill on Two-Tier RPP (before Taxes)			2,465.99			2,508.60	42.61	1.73%	90.33%	
HST		0.13	320.58		0.13	326.12	5.54	1.73%	11.74%	
Total Bill (including HST)			2,786.57			2,834.72	48.15	1.73%	102.08%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-56.64		-0.10	-57.71	-1.07	1.89%	-2.08%	
Total Bill on Two-Tier RPP (including OCEB)			2,729.93			2,777.00	47.08	1.72%	100.00%	
Total Bill on TOU (before Taxes)			2,352.19			2,394.80	42.61	1.81%		90.37%
HST		0.13	305.78		0.13	311.32	5.54	1.81%		11.75%
Total Bill (including HST)			2,657.97			2,706.12	48.15	1.81%		102.12%
Ontario Clean Energy Benefit (OCEB)		-0.10	-55.15		-0.10	-56.22	-1.07	1.94%		-2.12%
Total Bill on TOU (including OCEB)			2,602.82			2,649.90	47.08	1.81%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1096
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	31.67%	
Energy Second Tier (kWh)	250	0.110	27.50	250	0.110	27.50	0.00	0.00%	12.35%	
Sub-Total: Energy (RPP)			98.00			98.00	0.00	0.00%	44.02%	
TOU-Off Peak	640	0.080	51.20	640	0.080	51.20	0.00	0.00%		22.65%
TOU-Mid Peak	180	0.122	21.96	180	0.122	21.96	0.00	0.00%		9.71%
TOU-On Peak	180	0.161	28.98	180	0.161	28.98	0.00	0.00%		12.82%
Sub-Total: Energy (TOU)			102.14			102.14	0.00	0.00%	45.88%	45.18%
Service Charge	1	26.35	26.35	1	28.13	28.13	1.78	6.76%	12.63%	12.44%
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	1.11	1.11	1	0.73	0.73	-0.38	-34.23%	0.33%	0.32%
Distribution Volumetric Rate	1,000	0.0532	53.20	1,000	0.0566	56.60	3.40	6.39%	25.42%	25.03%
Volumetric Deferral/Variance Account Rider	1,000	0.0003	0.30	1,000	0.0002	0.20	-0.10	-33.33%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			80.96			85.66	4.70	5.81%	38.47%	37.89%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.35%	0.35%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.11	10.56	96	0.11	10.56	0.00	0.00%	4.74%	4.67%
Line Losses on Cost of Power (based on TOU prices)	96	0.10	9.81	96	0.10	9.81	0.00	0.00%	4.40%	4.34%
Sub-Total: Distribution (based on two-tier RPP prices)			92.31			97.01	4.70	5.09%	43.57%	42.91%
Sub-Total: Distribution (based on TOU prices)			91.56			96.26	4.70	5.13%	43.23%	42.58%
Retail Transmission Rate – Network Service Rate	1,096	0.0057	6.25	1,096	0.0058	6.36	0.11	1.75%	2.86%	2.81%
Retail Transmission Rate – Line and Transformation Connection S	1,096	0.0037	4.06	1,096	0.0037	4.06	0.00	0.00%	1.82%	1.79%
Sub-Total: Retail Transmission			10.30			10.41	0.11	1.06%	4.68%	4.61%
Sub-Total: Delivery (based on two-tier RPP prices)			102.61			107.42	4.81	4.69%	48.25%	47.51%
Sub-Total: Delivery (based on TOU prices)			101.86			106.67	4.81	4.72%	47.91%	47.18%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.17%	2.13%
Rural Rate Protection Charge	1,096	0.0013	1.42	1,096	0.0013	1.42	0.00	0.00%	0.64%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			6.50			6.50	0.00	0.00%	2.92%	2.87%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.14%	3.10%
Total Bill on Two-Tier RPP (before Taxes)			214.11			218.92	4.81	2.25%	98.33%	
HST		0.13	27.83		0.13	28.46	0.63	2.25%	12.78%	
Total Bill (including HST)			241.94			247.38	5.43	2.25%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.19		-0.10	-24.74	-0.54	2.25%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			217.75			222.64	4.89	2.25%	100.00%	
Total Bill on TOU (before Taxes)			217.50			222.30	4.81	2.21%		98.33%
HST		0.13	28.27		0.13	28.90	0.63	2.21%		12.78%
Total Bill (including HST)			245.77			251.20	5.43	2.21%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.58		-0.10	-25.12	-0.54	2.21%		-11.11%
Total Bill on TOU (including OCEB)			221.19			226.08	4.89	2.21%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2192
Charge determinant	kWh

	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	0.094	70.50	750	0.094	70.50	0.00	0.00%	16.51%	
Energy Second Tier (kWh)	1,250	0.110	137.50	1,250	0.110	137.50	0.00	0.00%	32.20%	
Sub-Total: Energy (RPP)			208.00			208.00	0.00	0.00%	48.70%	
TOU-Off Peak	1,280	0.080	102.40	1,280	0.080	102.40	0.00	0.00%		24.28%
TOU-Mid Peak	360	0.122	43.92	360	0.122	43.92	0.00	0.00%		10.41%
TOU-On Peak	360	0.161	57.96	360	0.161	57.96	0.00	0.00%		13.74%
Sub-Total: Energy (TOU)			204.28			204.28	0.00	0.00%	47.83%	48.44%
Service Charge	1	26.35	26.35	1	28.13	28.13	1.78	6.76%	6.59%	6.67%
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	1.11	1.11	1	0.73	0.73	-0.38	-34.23%	0.17%	0.17%
Distribution Volumetric Rate	2,000	0.0532	106.40	2,000	0.0566	113.20	6.80	6.39%	26.51%	26.84%
Volumetric Deferral/Variance Account Rider	2,000	0.0003	0.60	2,000	0.0002	0.40	-0.20	-33.33%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			134.46			142.46	8.00	5.95%	33.36%	33.78%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.11	21.12	192	0.11	21.12	0.00	0.00%	4.95%	5.01%
Line Losses on Cost of Power (based on TOU prices)	192	0.10	19.61	192	0.10	19.61	0.00	0.00%	4.59%	4.65%
Sub-Total: Distribution (based on two-tier RPP prices)			156.37			164.37	8.00	5.12%	38.49%	38.97%
Sub-Total: Distribution (based on TOU prices)			154.86			162.86	8.00	5.17%	38.13%	38.61%
Retail Transmission Rate – Network Service Rate	2,192	0.0057	12.49	2,192	0.0058	12.71	0.22	1.75%	2.98%	3.01%
Retail Transmission Rate – Line and Transformation Connection S	2,192	0.0037	8.11	2,192	0.0037	8.11	0.00	0.00%	1.90%	1.92%
Sub-Total: Retail Transmission			20.60			20.82	0.22	1.06%	4.88%	4.94%
Sub-Total: Delivery (based on two-tier RPP prices)			176.97			185.19	8.22	4.64%	43.36%	43.91%
Sub-Total: Delivery (based on TOU prices)			175.47			183.68	8.22	4.68%	43.01%	43.55%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.26%	2.29%
Rural Rate Protection Charge	2,192	0.0013	2.85	2,192	0.0013	2.85	0.00	0.00%	0.67%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.74			12.74	0.00	0.00%	2.98%	3.02%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.28%	3.32%
Total Bill on Two-Tier RPP (before Taxes)			411.72			419.94	8.22	2.00%	98.33%	
HST		0.13	53.52		0.13	54.59	1.07	2.00%	12.78%	
Total Bill (including HST)			465.24			474.53	9.29	2.00%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.52		-0.10	-47.45	-0.93	2.00%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			418.72			427.08	8.36	2.00%	100.00%	
Total Bill on TOU (before Taxes)			406.49			414.71	8.22	2.02%		98.33%
HST		0.13	52.84		0.13	53.91	1.07	2.02%		12.78%
Total Bill (including HST)			459.33			468.62	9.29	2.02%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.93		-0.10	-46.86	-0.93	2.02%		-11.11%
Total Bill on TOU (including OCEB)			413.40			421.76	8.36	2.02%		100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	16440
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	750	0.094	70.50	750	0.094	70.50	0.00	0.00%	2.10%	
Energy Second Tier (kWh)	14,250	0.110	1,567.50	14,250	0.110	1,567.50	0.00	0.00%	46.69%	
Sub-Total: Energy (RPP)			1,638.00			1,638.00	0.00	0.00%	48.79%	
TOU-Off Peak	9,600	0.080	768.00	9,600	0.080	768.00	0.00	0.00%		23.80%
TOU-Mid Peak	2,700	0.122	329.40	2,700	0.122	329.40	0.00	0.00%		10.21%
TOU-On Peak	2,700	0.161	434.70	2,700	0.161	434.70	0.00	0.00%		13.47%
Sub-Total: Energy (TOU)			1,532.10			1,532.10	0.00	0.00%	45.63%	47.49%
Service Charge	1	26.35	26.35	1	28.13	28.13	1.78	6.76%	0.84%	0.87%
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	1.11	1.11	1	0.73	0.73	-0.38	-34.23%	0.02%	0.02%
Distribution Volumetric Rate	15,000	0.0532	798.00	15,000	0.0566	849.00	51.00	6.39%	25.29%	26.31%
Volumetric Deferral/Variance Account Rider	15,000	0.0003	4.50	15,000	0.0002	3.00	-1.50	-33.33%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			829.96			880.86	50.90	6.13%	26.24%	27.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.11	158.40	1,440	0.11	158.40	0.00	0.00%	4.72%	4.91%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.10	147.08	1,440	0.10	147.08	0.00	0.00%	4.38%	4.56%
Sub-Total: Distribution (based on two-tier RPP prices)			989.15			1,040.05	50.90	5.15%	30.98%	32.23%
Sub-Total: Distribution (based on TOU prices)			977.83			1,028.73	50.90	5.21%	30.64%	31.88%
Retail Transmission Rate – Network Service Rate	16,440	0.0057	93.71	16,440	0.0058	95.35	1.64	1.75%	2.84%	2.96%
Retail Transmission Rate – Line and Transformation Connection S	16,440	0.0037	60.83	16,440	0.0037	60.83	0.00	0.00%	1.81%	1.89%
Sub-Total: Retail Transmission			154.54			156.18	1.64	1.06%	4.65%	4.84%
Sub-Total: Delivery (based on two-tier RPP prices)			1,143.69			1,196.23	52.54	4.59%	35.63%	37.08%
Sub-Total: Delivery (based on TOU prices)			1,132.37			1,184.91	52.54	4.64%	35.29%	36.72%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.15%	2.24%
Rural Rate Protection Charge	16,440	0.0013	21.37	16,440	0.0013	21.37	0.00	0.00%	0.64%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			93.96			93.96	0.00	0.00%	2.80%	2.91%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.13%	3.25%
Total Bill on Two-Tier RPP (before Taxes)			2,980.64			3,033.19	52.54	1.76%	90.34%	
HST		0.13	387.48		0.13	394.31	6.83	1.76%	11.74%	
Total Bill (including HST)			3,368.13			3,427.50	59.37	1.76%	102.09%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-68.85		-0.10	-70.13	-1.28	1.85%	-2.09%	
Total Bill on Two-Tier RPP (including OCEB)			3,299.27			3,357.37	58.10	1.76%	100.00%	
Total Bill on TOU (before Taxes)			2,863.43			2,915.97	52.54	1.84%		90.38%
HST		0.13	372.25		0.13	379.08	6.83	1.84%		11.75%
Total Bill (including HST)			3,235.67			3,295.05	59.37	1.84%		102.13%
Ontario Clean Energy Benefit (OCEB)		-0.10	-67.29		-0.10	-68.57	-1.28	1.90%		-2.13%
Total Bill on TOU (including OCEB)			3,168.38			3,226.48	58.10	1.83%		100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.094	1,480.50	15,750	0.094	1,480.50	0.00	0.00%	52.43%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,480.50			1,480.50	0.00	0.00%	52.43%
Service Charge	1	78.74	78.74	1	91.26	91.26	12.52	15.90%	3.23%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.96	1.96	1	1.37	1.37	-0.59	-30.10%	0.05%
Distribution Volumetric Rate	60	7.5435	452.61	60	8.8033	528.20	75.59	16.70%	18.70%
Volumetric Deferral/Variance Account Rider	60	-0.1121	-6.73	60	-0.0688	-4.13	2.60	-38.63%	-0.15%
Sub-Total: Distribution			526.58			616.70	90.12	17.11%	21.84%
Retail Transmission Rate – Network Service Rate	60	2.0188	121.13	60	2.0945	125.67	4.54	3.75%	4.45%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2909	77.45	60	1.3517	81.10	3.65	4.71%	2.87%
Sub-Total: Retail Transmission			198.58			206.77	8.19	4.12%	7.32%
Sub-Total: Delivery			725.17			823.47	98.31	13.56%	29.16%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.45%
Rural Rate Protection Charge	15,750	0.0013	20.48	15,750	0.0013	20.48	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			90.03			90.03	0.00	0.00%	3.19%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.72%
Total Bill on Two-Tier RPP (before Taxes)			2,400.69			2,499.00	98.31	4.09%	88.50%
HST		0.13	312.09		0.13	324.87	12.78	4.09%	11.50%
Total Bill (including HST)			2,712.78			2,823.87	111.09	4.09%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			2,712.78			2,823.87	111.09	4.09%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.050
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	36,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.094	3,454.50	36,750	0.094	3,454.50	0.00	0.00%	55.95%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,454.50			3,454.50	0.00	0.00%	55.95%
Service Charge	1	78.74	78.74	1	91.26	91.26	12.52	15.90%	1.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.96	1.96	1	1.37	1.37	-0.59	-30.10%	0.02%
Distribution Volumetric Rate	120	7.5435	905.22	120	8.8033	1,056.40	151.18	16.70%	17.11%
Volumetric Deferral/Variance Account Rider	120	-0.1121	-13.45	120	-0.0688	-8.26	5.20	-38.63%	-0.13%
Sub-Total: Distribution			972.47			1,140.77	168.30	17.31%	18.48%
Retail Transmission Rate – Network Service Rate	120	2.0188	242.26	120	2.0945	251.34	9.08	3.75%	4.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2909	154.91	120	1.3517	162.20	7.30	4.71%	2.63%
Sub-Total: Retail Transmission			397.16			413.54	16.38	4.12%	6.70%
Sub-Total: Delivery			1,369.63			1,554.31	184.68	13.48%	25.18%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.62%
Rural Rate Protection Charge	36,750	0.0013	47.78	36,750	0.0013	47.78	0.00	0.00%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			209.73			209.73	0.00	0.00%	3.40%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.97%
Total Bill on Two-Tier RPP (before Taxes)			5,278.86			5,463.54	184.68	3.50%	88.50%
HST		0.13	686.25		0.13	710.26	24.01	3.50%	11.50%
Total Bill (including HST)			5,965.11			6,173.80	208.69	3.50%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			5,965.11			6,173.80	208.69	3.50%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	183,750
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.094	17,272.50	183,750	0.094	17,272.50	0.00	0.00%	59.41%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,272.50			17,272.50	0.00	0.00%	59.41%
Service Charge	1	78.74	78.74	1	91.26	91.26	12.52	15.90%	0.31%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.96	1.96	1	1.37	1.37	-0.59	-30.10%	0.00%
Distribution Volumetric Rate	500	7.5435	3,771.75	500	8.8033	4,401.65	629.90	16.70%	15.14%
Volumetric Deferral/Variance Account Rider	500	-0.1121	-56.05	500	-0.0688	-34.40	21.65	-38.63%	-0.12%
Sub-Total: Distribution			3,796.40			4,459.88	663.48	17.48%	15.34%
Retail Transmission Rate – Network Service Rate	500	2.0188	1,009.40	500	2.0945	1,047.25	37.85	3.75%	3.60%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2909	645.45	500	1.3517	675.85	30.40	4.71%	2.32%
Sub-Total: Retail Transmission			1,654.85			1,723.10	68.25	4.12%	5.93%
Sub-Total: Delivery			5,451.25			6,182.98	731.73	13.42%	21.27%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.78%
Rural Rate Protection Charge	183,750	0.0013	238.88	183,750	0.0013	238.88	0.00	0.00%	0.82%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,047.63			1,047.63	0.00	0.00%	3.60%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.21%
Total Bill on Two-Tier RPP (before Taxes)			24,996.38			25,728.11	731.73	2.93%	88.50%
HST		0.13	3,249.53		0.13	3,344.65	95.12	2.93%	11.50%
Total Bill (including HST)			28,245.90			29,072.76	826.85	2.93%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,245.90			29,072.76	826.85	2.93%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor	1.061
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	15,915
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.094	1,496.01	15,915	0.094	1,496.01	0.00	0.00%	45.98%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,496.01			1,496.01	0.00	0.00%	45.98%
Service Charge	1	74.99	74.99	1	87.58	87.58	12.59	16.79%	2.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.88	1.88	1	1.32	1.32	-0.56	-29.79%	0.04%
Distribution Volumetric Rate	60	13.0657	783.94	60	15.449	926.94	143.00	18.24%	28.49%
Volumetric Deferral/Variance Account Rider	60	0.0275	1.65	60	0.032	1.93	0.28	17.09%	0.06%
Sub-Total: Distribution			862.46			1,017.77	155.31	18.01%	31.28%
Retail Transmission Rate – Network Service Rate	60	1.6321	97.93	60	1.6986	101.92	3.99	4.07%	3.13%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.0515	63.09	60	1.1221	67.33	4.24	6.71%	2.07%
Sub-Total: Retail Transmission			161.02			169.24	8.23	5.11%	5.20%
Sub-Total: Delivery			1,023.48			1,187.01	163.54	15.98%	36.49%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.15%
Rural Rate Protection Charge	15,915	0.0013	20.69	15,915	0.0013	20.69	0.00	0.00%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			90.97			90.97	0.00	0.00%	2.80%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.23%
Total Bill on Two-Tier RPP (before Taxes)			2,715.45			2,878.99	163.54	6.02%	88.50%
HST		0.13	353.01		0.13	374.27	21.26	6.02%	11.50%
Total Bill (including HST)			3,068.46			3,253.26	184.80	6.02%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			3,068.46			3,253.26	184.80	6.02%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor	1.061
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	37,135
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	37,135	0.094	3,490.69	37,135	0.094	3,490.69	0.00	0.00%	49.56%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,490.69			3,490.69	0.00	0.00%	49.56%
Service Charge	1	74.99	74.99	1	87.58	87.58	12.59	16.79%	1.24%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.88	1.88	1	1.32	1.32	-0.56	-29.79%	0.02%
Distribution Volumetric Rate	120	13.0657	1,567.88	120	15.449	1,853.88	286.00	18.24%	26.32%
Volumetric Deferral/Variance Account Rider	120	0.0275	3.30	120	0.0322	3.86	0.56	17.09%	0.05%
Sub-Total: Distribution			1,648.05			1,946.64	298.59	18.12%	27.64%
Retail Transmission Rate – Network Service Rate	120	1.6321	195.85	120	1.6986	203.83	7.98	4.07%	2.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.0515	126.18	120	1.1221	134.65	8.47	6.71%	1.91%
Sub-Total: Retail Transmission			322.03			338.48	16.45	5.11%	4.81%
Sub-Total: Delivery			1,970.09			2,285.13	315.04	15.99%	32.45%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.32%
Rural Rate Protection Charge	37,135	0.0013	48.28	37,135	0.0013	48.28	0.00	0.00%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			211.92			211.92	0.00	0.00%	3.01%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.48%
Total Bill on Two-Tier RPP (before Taxes)			5,917.70			6,232.74	315.04	5.32%	88.50%
HST		0.13	769.30		0.13	810.26	40.96	5.32%	11.50%
Total Bill (including HST)			6,687.00			7,042.99	356.00	5.32%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			6,687.00			7,042.99	356.00	5.32%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	GSd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor	1.061
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	185,675
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.094	17,453.45	185,675	0.094	17,453.45	0.00	0.00%	53.30%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,453.45			17,453.45	0.00	0.00%	53.30%
Service Charge	1	74.99	74.99	1	87.58	87.58	12.59	16.79%	0.27%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	1.88	1.88	1	1.32	1.32	-0.56	-29.79%	0.00%
Distribution Volumetric Rate	500	13.0657	6,532.85	500	15.449	7,724.50	1,191.65	18.24%	23.59%
Volumetric Deferral/Variance Account Rider	500	0.0275	13.75	500	0.0322	16.10	2.35	17.09%	0.05%
Sub-Total: Distribution			6,623.47			7,829.50	1,206.03	18.21%	23.91%
Retail Transmission Rate – Network Service Rate	500	1.6321	816.05	500	1.6986	849.30	33.25	4.07%	2.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.0515	525.75	500	1.1221	561.05	35.30	6.71%	1.71%
Sub-Total: Retail Transmission			1,341.80			1,410.35	68.55	5.11%	4.31%
Sub-Total: Delivery			7,965.27			9,239.85	1,274.58	16.00%	28.22%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.50%
Rural Rate Protection Charge	185,675	0.0013	241.38	185,675	0.0013	241.38	0.00	0.00%	0.74%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,058.60			1,058.60	0.00	0.00%	3.23%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.74%
Total Bill on Two-Tier RPP (before Taxes)			27,702.32			28,976.90	1,274.58	4.60%	88.50%
HST		0.13	3,601.30		0.13	3,767.00	165.70	4.60%	11.50%
Total Bill (including HST)			31,303.62			32,743.89	1,440.28	4.60%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			31,303.62			32,743.89	1,440.28	4.60%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	300
Peak (kW)	10
Loss factor	1.061
Load factor	4%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	318
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.094	29.92	318	0.094	29.92	0.00	0.00%	11.72%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			29.92			29.92	0.00	0.00%	11.72%
Service Charge	1	73.55	73.55	1	120.07	120.07	46.52	63.25%	47.03%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	4.62	4.62	1	2.25	2.25	-2.37	-51.30%	0.88%
Distribution Volumetric Rate	10	5.951	59.51	10	5.951	59.51	0.00	0.00%	23.31%
Volumetric Deferral/Variance Account Rider	10	0.0461	0.46	10	0.0468	0.47	0.01	1.52%	0.18%
Sub-Total: Distribution			138.14			182.30	44.16	31.97%	71.41%
Retail Transmission Rate – Network Service Rate	10	0.5457	5.46	10	0.5809	5.81	0.35	6.45%	2.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3517	3.52	10	0.3728	3.73	0.21	6.00%	1.46%
Sub-Total: Retail Transmission			8.97			9.54	0.56	6.27%	3.74%
Sub-Total: Delivery			147.12			191.84	44.72	30.40%	75.14%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.55%
Rural Rate Protection Charge	318	0.0013	0.41	318	0.0013	0.41	0.00	0.00%	0.16%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%
Sub-Total: Regulatory			2.06			2.06	0.00	0.00%	0.81%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.82%
Total Bill on Two-Tier RPP (before Taxes)			181.20			225.92	44.72	24.68%	88.50%
HST		0.13	23.56		0.13	29.37	5.81	24.68%	11.50%
Total Bill (including HST)			204.76			255.29	50.53	24.68%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			204.76			255.29	50.53	24.68%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	2,000
Peak (kW)	20
Loss factor	1.061
Load factor	14%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	2,122
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.094	199.47	2,122	0.094	199.47	0.00	0.00%	36.23%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			199.47			199.47	0.00	0.00%	36.23%
Service Charge	1	73.55	73.55	1	120.07	120.07	46.52	63.25%	21.81%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	4.62	4.62	1	2.25	2.25	-2.37	-51.30%	0.41%
Distribution Volumetric Rate	20	5.951	119.02	20	5.951	119.02	0.00	0.00%	21.62%
Volumetric Deferral/Variance Account Rider	20	0.0461	0.92	20	0.0468	0.94	0.01	1.52%	0.17%
Sub-Total: Distribution			198.11			242.28	44.16	22.29%	44.01%
Retail Transmission Rate – Network Service Rate	20	0.5457	10.91	20	0.5809	11.62	0.70	6.45%	2.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3517	7.03	20	0.3728	7.46	0.42	6.00%	1.35%
Sub-Total: Retail Transmission			17.95			19.07	1.13	6.27%	3.46%
Sub-Total: Delivery			216.06			261.35	45.29	20.96%	47.48%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.70%
Rural Rate Protection Charge	2,122	0.0013	2.76	2,122	0.0013	2.76	0.00	0.00%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.35			12.35	0.00	0.00%	2.24%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.54%
Total Bill on Two-Tier RPP (before Taxes)			441.87			487.16	45.29	10.25%	88.50%
HST		0.13	57.44		0.13	63.33	5.89	10.25%	11.50%
Total Bill (including HST)			499.32			550.49	51.18	10.25%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			499.32			550.49	51.18	10.25%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Dgen
Monthly Consumption (kWh)	5,000
Peak (kW)	100
Loss factor	1.061
Load factor	7%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	5,305
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.094	498.67	5,305	0.094	498.67	0.00	0.00%	31.94%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			498.67			498.67	0.00	0.00%	31.94%
Service Charge	1	73.55	73.55	1	120.07	120.07	46.52	63.25%	7.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	4.62	4.62	1	2.25	2.25	-2.37	-51.30%	0.14%
Distribution Volumetric Rate	100	5.951	595.10	100	5.951	595.10	0.00	0.00%	38.12%
Volumetric Deferral/Variance Account Rider	100	0.0461	4.61	100	0.0468	4.68	0.07	1.52%	0.30%
Sub-Total: Distribution			677.88			722.10	44.22	6.52%	46.25%
Retail Transmission Rate – Network Service Rate	100	0.5457	54.57	100	0.5809	58.09	3.52	6.45%	3.72%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3517	35.17	100	0.3728	37.28	2.11	6.00%	2.39%
Sub-Total: Retail Transmission			89.74			95.37	5.63	6.27%	6.11%
Sub-Total: Delivery			767.62			817.47	49.85	6.49%	52.36%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.50%
Rural Rate Protection Charge	5,305	0.0013	6.90	5,305	0.0013	6.90	0.00	0.00%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%
Sub-Total: Regulatory			30.49			30.49	0.00	0.00%	1.95%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.24%
Total Bill on Two-Tier RPP (before Taxes)			1,331.78			1,381.63	49.85	3.74%	88.50%
HST		0.13	173.13		0.13	179.61	6.48	3.74%	11.50%
Total Bill (including HST)			1,504.91			1,561.24	56.33	3.74%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			1,504.91			1,561.24	56.33	3.74%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	200,000
Peak (kW)	500
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	206,800
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.094	19,439.20	206,800	0.094	19,439.20	0.00	0.00%	63.57%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			19,439.20			19,439.20	0.00	0.00%	63.57%
Service Charge	1	1095.05	1,095.05	1	1209.47	1,209.47	114.42	10.45%	3.96%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	16.6	16.60	1	11.29	11.29	-5.31	-31.99%	0.04%
Distribution Volumetric Rate	500	1.022	511.00	500	1.1595	579.75	68.75	13.45%	1.90%
Volumetric Deferral/Variance Account Rider	500	0.4723	236.15	500	0.3146	157.30	-78.85	-33.39%	0.51%
Sub-Total: Distribution			1,858.80			1,957.81	99.01	5.33%	6.40%
Retail Transmission Rate – Network Service Rate	500	3.5281	1,764.05	500	3.4531	1,726.55	-37.50	-2.13%	5.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6777	1,338.85	500	2.7201	1,360.05	21.20	1.58%	4.45%
Sub-Total: Retail Transmission			3,102.90			3,086.60	-16.30	-0.53%	10.09%
Sub-Total: Delivery			4,961.70			5,044.41	82.71	1.67%	16.50%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	2.98%
Rural Rate Protection Charge	206,800	0.0013	268.84	206,800	0.0013	268.84	0.00	0.00%	0.88%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,179.01			1,179.01	0.00	0.00%	3.86%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.58%
Total Bill on Two-Tier RPP (before Taxes)			26,979.91			27,062.62	82.71	0.31%	88.50%
HST		0.13	3,507.39		0.13	3,518.14	10.75	0.31%	11.50%
Total Bill (including HST)			30,487.30			30,580.76	93.46	0.31%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			30,487.30			30,580.76	93.46	0.31%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	500,000
Peak (kW)	1,000
Loss factor	1.034
Load factor	68%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	517,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.094	48,598.00	517,000	0.094	48,598.00	0.00	0.00%	67.29%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			48,598.00			48,598.00	0.00	0.00%	67.29%
Service Charge	1	1095.05	1,095.05	1	1209.47	1,209.47	114.42	10.45%	1.67%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	16.6	16.60	1	11.29	11.29	-5.31	-31.99%	0.02%
Distribution Volumetric Rate	1,000	1.022	1,022.00	1,000	1.1595	1,159.50	137.50	13.45%	1.61%
Volumetric Deferral/Variance Account Rider	1,000	0.4723	472.30	1,000	0.3146	314.60	-157.70	-33.39%	0.44%
Sub-Total: Distribution			2,605.95			2,694.86	88.91	3.41%	3.73%
Retail Transmission Rate – Network Service Rate	1,000	3.5281	3,528.10	1,000	3.4531	3,453.10	-75.00	-2.13%	4.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6777	2,677.70	1,000	2.7201	2,720.10	42.40	1.58%	3.77%
Sub-Total: Retail Transmission			6,205.80			6,173.20	-32.60	-0.53%	8.55%
Sub-Total: Delivery			8,811.75			8,868.06	56.31	0.64%	12.28%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.15%
Rural Rate Protection Charge	517,000	0.0013	672.10	517,000	0.0013	672.10	0.00	0.00%	0.93%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			2,947.15			2,947.15	0.00	0.00%	4.08%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	4.85%
Total Bill on Two-Tier RPP (before Taxes)			63,856.90			63,913.21	56.31	0.09%	88.50%
HST		0.13	8,301.40		0.13	8,308.72	7.32	0.09%	11.50%
Total Bill (including HST)			72,158.30			72,221.93	63.63	0.09%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			72,158.30			72,221.93	63.63	0.09%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	ST
Monthly Consumption (kWh)	4,000,000
Peak (kW)	10,000
Loss factor	1.034
Load factor	55%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted	4,136,000
Charge determinant	kW

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.094	388,784.00	4,136,000	0.094	388,784.00	0.00	0.00%	66.41%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			388,784.00			388,784.00	0.00	0.00%	66.41%
Service Charge	1	1095.05	1,095.05	1	1209.47	1,209.47	114.42	10.45%	0.21%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	16.6	16.60	1	11.29	11.29	-5.31	-31.99%	0.00%
Distribution Volumetric Rate	10,000	1.022	10,220.00	10,000	1.1595	11,595.00	1,375.00	13.45%	1.98%
Volumetric Deferral/Variance Account Rider	10,000	0.4723	4,723.00	10,000	0.3146	3,146.00	-1,577.00	-33.39%	0.54%
Sub-Total: Distribution			16,054.65			15,961.76	-92.89	-0.58%	2.73%
Retail Transmission Rate – Network Service Rate	10,000	3.5281	35,281.00	10,000	3.4531	34,531.00	-750.00	-2.13%	5.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6777	26,777.00	10,000	2.7201	27,201.00	424.00	1.58%	4.65%
Sub-Total: Retail Transmission			62,058.00			61,732.00	-326.00	-0.53%	10.55%
Sub-Total: Delivery			78,112.65			77,693.76	-418.89	-0.54%	13.27%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.11%
Rural Rate Protection Charge	4,136,000	0.0013	5,376.80	4,136,000	0.0013	5,376.80	0.00	0.00%	0.92%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			23,575.45			23,575.45	0.00	0.00%	4.03%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	4.78%
Total Bill on Two-Tier RPP (before Taxes)			518,472.10			518,053.21	-418.89	-0.08%	88.50%
HST		0.13	67,401.37		0.13	67,346.92	-54.46	-0.08%	11.50%
Total Bill (including HST)			585,873.47			585,400.13	-473.35	-0.08%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			585,873.47			585,400.13	-473.35	-0.08%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	17.22%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	17.22%
Service Charge	1	36.79	36.79	1	37.38	37.38	0.59	1.60%	68.46%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.85	0.85	1	0.53	0.53	-0.32	-37.65%	0.97%
Distribution Volumetric Rate	100	0.0308	3.08	100	0.0308	3.08	0.00	0.00%	5.64%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.88			40.99	0.11	0.27%	75.07%
Line Losses on Cost of Power	9	0.09	0.86	9	0.09	0.86	0.00	0.00%	1.58%
Sub-Total: Distribution			41.75			41.85	0.11	0.26%	76.65%
Retail Transmission Rate – Network Service Rate	109	0.0046	0.50	109	0.0047	0.51	0.01	2.17%	0.94%
Retail Transmission Rate – Line and Transformation Connection \$	109	0.0031	0.34	109	0.0032	0.35	0.01	3.23%	0.64%
Sub-Total: Retail Transmission			0.84			0.86	0.02	2.60%	1.58%
Sub-Total: Delivery			42.59			42.72	0.13	0.31%	78.23%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.88%
Rural Rate Protection Charge	109	0.0013	0.14	109	0.0013	0.14	0.00	0.00%	0.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.46%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.60%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.28%
Total Bill on Two-Tier RPP (before Taxes)			53.56			53.69	0.13	0.24%	98.33%
HST		0.13	6.96		0.13	6.98	0.02	0.24%	12.78%
Total Bill (including HST)			60.52			60.67	0.15	0.24%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.05		-0.10	-6.07	-0.01	0.24%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			54.47		0.00	54.60	0.13	0.24%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.094	47.00	500	0.094	47.00	0.00	0.00%	39.91%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			47.00			47.00	0.00	0.00%	39.91%
Service Charge	1	36.79	36.79	1	37.38	37.38	0.59	1.60%	31.74%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.85	0.85	1	0.53	0.53	-0.32	-37.65%	0.45%
Distribution Volumetric Rate	500	0.0308	15.40	500	0.0308	15.40	0.00	0.00%	13.08%
Volumetric Deferral/Variance Account Rider	500	0.0000	0.00	500	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.20			53.31	0.11	0.20%	45.26%
Line Losses on Cost of Power	46	0.09	4.32	46	0.09	4.32	0.00	0.00%	3.67%
Sub-Total: Distribution			57.53			57.63	0.11	0.19%	48.93%
Retail Transmission Rate – Network Service Rate	546	0.0046	2.51	546	0.0047	2.57	0.05	2.17%	2.18%
Retail Transmission Rate – Line and Transformation Connection \$	546	0.0031	1.69	546	0.0032	1.75	0.05	3.23%	1.48%
Sub-Total: Retail Transmission			4.20			4.31	0.11	2.60%	3.66%
Sub-Total: Delivery			61.73			61.95	0.22	0.35%	52.60%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.04%
Rural Rate Protection Charge	546	0.0013	0.71	546	0.0013	0.71	0.00	0.00%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%
Sub-Total: Regulatory			3.36			3.36	0.00	0.00%	2.85%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.97%
Total Bill on Two-Tier RPP (before Taxes)			115.59			115.81	0.22	0.19%	98.33%
HST		0.13	15.03		0.13	15.06	0.03	0.19%	12.78%
Total Bill (including HST)			130.62			130.86	0.25	0.19%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.06		-0.10	-13.09	-0.02	0.19%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			117.56		0.00	117.78	0.22	0.19%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	USL
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	1092
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.094	70.50	750	0.094	70.50	0.00	0.00%	34.85%
Energy Second Tier (kWh)	250	0.110	27.50	250	0.110	27.50	0.00	0.00%	13.59%
Sub-Total: Energy (RPP)			98.00			98.00	0.00	0.00%	48.44%
Service Charge	1	36.79	36.79	1	37.38	37.38	0.59	1.60%	18.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.85	0.85	1	0.53	0.53	-0.32	-37.65%	0.26%
Distribution Volumetric Rate	1,000	0.0308	30.80	1,000	0.0308	30.80	0.00	0.00%	15.22%
Volumetric Deferral/Variance Account Rider	1,000	0.0000	0.00	1,000	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			68.60			68.71	0.11	0.16%	33.96%
Line Losses on Cost of Power	92	0.11	10.12	92	0.11	10.12	0.00	0.00%	5.00%
Sub-Total: Distribution			78.72			78.83	0.11	0.14%	38.96%
Retail Transmission Rate – Network Service Rate	1,092	0.0046	5.02	1,092	0.0047	5.13	0.11	2.17%	2.54%
Retail Transmission Rate – Line and Transformation Connection \$	1,092	0.0031	3.39	1,092	0.0032	3.49	0.11	3.23%	1.73%
Sub-Total: Retail Transmission			8.41			8.63	0.22	2.60%	4.26%
Sub-Total: Delivery			87.13			87.46	0.33	0.38%	43.23%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.37%
Rural Rate Protection Charge	1,092	0.0013	1.42	1,092	0.0013	1.42	0.00	0.00%	0.70%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%
Sub-Total: Regulatory			6.47			6.47	0.00	0.00%	3.20%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.46%
Total Bill on Two-Tier RPP (before Taxes)			198.60			198.93	0.33	0.16%	98.33%
HST		0.13	25.82		0.13	25.86	0.04	0.16%	12.78%
Total Bill (including HST)			224.42			224.79	0.37	0.16%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.44		-0.10	-22.48	-0.04	0.16%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			201.98		0.00	202.31	0.33	0.16%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	20
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	21.84
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.094	1.88	20	0.094	1.88	0.00	0.00%	24.52%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.88			1.88	0.00	0.00%	24.52%
Service Charge	1	2.32	2.32	1	2.53	2.53	0.21	9.05%	33.00%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0.05	0.05	-0.03	-37.50%	0.65%
Distribution Volumetric Rate	20	0.1034	2.07	20	0.1108	2.22	0.15	7.16%	28.90%
Volumetric Deferral/Variance Account Rider	20	0.0012	0.02	20	0.0008	0.02	-0.01	-33.33%	0.21%
Sub-Total: Distribution (excluding pass through)			4.65			4.81	0.16	3.42%	62.76%
Line Losses on Cost of Power	2	0.09	0.17	2	0.09	0.17	0.00	0.00%	2.26%
Sub-Total: Distribution			4.83			4.98	0.16	3.29%	65.02%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.004	0.09	0.00	2.56%	1.14%
Retail Transmission Rate – Line and Transformation Connection \$	22	0.0038	0.08	22	0.0033	0.07	-0.01	-13.16%	0.94%
Sub-Total: Retail Transmission			0.17			0.16	-0.01	-5.19%	2.08%
Sub-Total: Delivery			4.99			5.14	0.15	3.01%	67.10%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.25%
Rural Rate Protection Charge	22	0.0013	0.03	22	0.0013	0.03	0.00	0.00%	0.37%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	3.26%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	4.88%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.83%
Total Bill on Two-Tier RPP (before Taxes)			7.39			7.54	0.15	2.03%	98.33%
HST		0.13	0.96		0.13	0.98	0.02	2.03%	12.78%
Total Bill (including HST)			8.35			8.52	0.17	2.03%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.83		-0.10	-0.85	-0.02	2.03%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			7.51		0.00	7.67	0.15	2.03%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	54.6
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.094	4.70	50	0.094	4.70	0.00	0.00%	31.65%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.70			4.70	0.00	0.00%	31.65%
Service Charge	1	2.32	2.32	1	2.53	2.53	0.21	9.05%	17.04%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0.05	0.05	-0.03	-37.50%	0.34%
Distribution Volumetric Rate	50	0.1034	5.17	50	0.1108	5.54	0.37	7.16%	37.31%
Volumetric Deferral/Variance Account Rider	50	0.0012	0.06	50	0.0008	0.04	-0.02	-33.33%	0.27%
Sub-Total: Distribution (excluding pass through)			7.79			8.16	0.37	4.74%	54.95%
Line Losses on Cost of Power	5	0.09	0.43	5	0.09	0.43	0.00	0.00%	2.91%
Sub-Total: Distribution			8.22			8.59	0.37	4.49%	57.86%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.004	0.22	0.01	2.56%	1.47%
Retail Transmission Rate – Line and Transformation Connection \$	55	0.0038	0.21	55	0.0033	0.18	-0.03	-13.16%	1.21%
Sub-Total: Retail Transmission			0.42			0.40	-0.02	-5.19%	2.68%
Sub-Total: Delivery			8.64			8.99	0.35	4.02%	60.54%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.62%
Rural Rate Protection Charge	55	0.0013	0.07	55	0.0013	0.07	0.00	0.00%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.68%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.78%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.36%
Total Bill on Two-Tier RPP (before Taxes)			14.26			14.60	0.35	2.44%	98.33%
HST		0.13	1.85		0.13	1.90	0.05	2.44%	12.78%
Total Bill (including HST)			16.11			16.50	0.39	2.44%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.61		-0.10	-1.65	-0.04	2.44%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			14.50		0.00	14.85	0.35	2.44%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	Sen Lgt
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	218.4
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.094	18.80	200	0.094	18.80	0.00	0.00%	37.03%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			18.80			18.80	0.00	0.00%	37.03%
Service Charge	1	2.32	2.32	1	2.53	2.53	0.21	9.05%	4.98%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.08	0.08	1	0.05	0.05	-0.03	-37.50%	0.10%
Distribution Volumetric Rate	200	0.1034	20.68	200	0.1108	22.16	1.48	7.16%	43.65%
Volumetric Deferral/Variance Account Rider	200	0.0012	0.24	200	0.0008	0.16	-0.08	-33.33%	0.32%
Sub-Total: Distribution (excluding pass through)			23.48			24.90	1.42	6.04%	49.05%
Line Losses on Cost of Power	18	0.09	1.73	18	0.09	1.73	0.00	0.00%	3.41%
Sub-Total: Distribution			25.21			26.63	1.42	5.63%	52.45%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.004	0.87	0.02	2.56%	1.72%
Retail Transmission Rate – Line and Transformation Connection \$	218	0.0038	0.83	218	0.0033	0.72	-0.11	-13.16%	1.42%
Sub-Total: Retail Transmission			1.68			1.59	-0.09	-5.19%	3.14%
Sub-Total: Delivery			26.89			28.22	1.33	4.95%	55.59%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.89%
Rural Rate Protection Charge	218	0.0013	0.28	218	0.0013	0.28	0.00	0.00%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.49%
Sub-Total: Regulatory			1.49			1.49	0.00	0.00%	2.94%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.76%
Total Bill on Two-Tier RPP (before Taxes)			48.59			49.92	1.33	2.74%	98.33%
HST		0.13	6.32		0.13	6.49	0.17	2.74%	12.78%
Total Bill (including HST)			54.90			56.41	1.50	2.74%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.49		-0.10	-5.64	-0.15	2.74%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			49.41		0.00	50.77	1.35	2.74%	100.00%

2016 Bill Impacts (Low Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	109.2
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.094	9.40	100	0.094	9.40	0.00	0.00%	35.39%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			9.40			9.40	0.00	0.00%	35.39%
Service Charge	1	3.82	3.82	1	4.23	4.23	0.41	10.73%	15.93%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.11	0.11	1	0.07	0.07	-0.04	-36.36%	0.26%
Distribution Volumetric Rate	100	0.0827	8.27	100	0.0911	9.11	0.84	10.16%	34.30%
Volumetric Deferral/Variance Account Rider	100	0.0009	0.09	100	0.0007	0.07	-0.02	-22.22%	0.26%
Sub-Total: Distribution (excluding pass through)			12.45			13.48	1.03	8.26%	50.76%
Line Losses on Cost of Power	9	0.09	0.86	9	0.09	0.86	0.00	0.00%	3.26%
Sub-Total: Distribution			13.32			14.34	1.03	7.73%	54.01%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.004	0.44	0.01	2.56%	1.64%
Retail Transmission Rate – Line and Transformation Connection \$	109	0.0038	0.41	109	0.0033	0.36	-0.05	-13.16%	1.36%
Sub-Total: Retail Transmission			0.84			0.80	-0.04	-5.19%	3.00%
Sub-Total: Delivery			14.16			15.14	0.99	6.96%	57.01%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.81%
Rural Rate Protection Charge	109	0.0013	0.14	109	0.0013	0.14	0.00	0.00%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.94%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	3.28%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.64%
Total Bill on Two-Tier RPP (before Taxes)			25.13			26.11	0.99	3.92%	98.33%
HST		0.13	3.27		0.13	3.39	0.13	3.92%	12.78%
Total Bill (including HST)			28.40			29.51	1.11	3.92%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.84		-0.10	-2.95	-0.11	3.92%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			25.56		0.00	26.56	1.00	3.92%	100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	500
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	546
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.094	47.00	500	0.094	47.00	0.00	0.00%	41.13%
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			47.00			47.00	0.00	0.00%	41.13%
Service Charge	1	3.82	3.82	1	4.23	4.23	0.41	10.73%	3.70%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.11	0.11	1	0.07	0.07	-0.04	-36.36%	0.06%
Distribution Volumetric Rate	500	0.0827	41.35	500	0.0911	45.55	4.20	10.16%	39.86%
Volumetric Deferral/Variance Account Rider	500	0.0009	0.45	500	0.0007	0.35	-0.10	-22.22%	0.31%
Sub-Total: Distribution (excluding pass through)			45.89			50.20	4.31	9.39%	43.93%
Line Losses on Cost of Power	46	0.09	4.32	46	0.09	4.32	0.00	0.00%	3.78%
Sub-Total: Distribution			50.22			54.52	4.31	8.58%	47.71%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.004	2.18	0.05	2.56%	1.91%
Retail Transmission Rate – Line and Transformation Connection \$	546	0.0038	2.07	546	0.0033	1.80	-0.27	-13.16%	1.58%
Sub-Total: Retail Transmission			4.20			3.99	-0.22	-5.19%	3.49%
Sub-Total: Delivery			54.42			58.51	4.09	7.52%	51.20%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.10%
Rural Rate Protection Charge	546	0.0013	0.71	546	0.0013	0.71	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%
Sub-Total: Regulatory			3.36			3.36	0.00	0.00%	2.94%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.06%
Total Bill on Two-Tier RPP (before Taxes)			108.28			112.37	4.09	3.78%	98.33%
HST		0.13	14.08		0.13	14.61	0.53	3.78%	12.78%
Total Bill (including HST)			122.36			126.98	4.62	3.78%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.24		-0.10	-12.70	-0.46	3.78%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			110.12		0.00	114.28	4.16	3.78%	100.00%

2016 Bill Impacts (High Consumption Level)

Rate Class	St Lgt
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.092
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted	2184
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.094	70.50	750	0.094	70.50	0.00	0.00%	15.11%
Energy Second Tier (kWh)	1,250	0.110	137.50	1,250	0.110	137.50	0.00	0.00%	29.47%
Sub-Total: Energy (RPP)			208.00			208.00	0.00	0.00%	44.58%
Service Charge	1	3.82	3.82	1	4.23	4.23	0.41	10.73%	0.91%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Deferral/Variance Account Rider	1	0.11	0.11	1	0.07	0.07	-0.04	-36.36%	0.02%
Distribution Volumetric Rate	2,000	0.0827	165.40	2,000	0.0911	182.20	16.80	10.16%	39.05%
Volumetric Deferral/Variance Account Rider	2,000	0.0009	1.80	2,000	0.0007	1.40	-0.40	-22.22%	0.30%
Sub-Total: Distribution (excluding pass through)			171.29			187.90	16.61	9.70%	40.27%
Line Losses on Cost of Power	184	0.11	20.24	184	0.11	20.24	0.00	0.00%	4.34%
Sub-Total: Distribution			191.53			208.14	16.61	8.67%	44.61%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.004	8.74	0.22	2.56%	1.87%
Retail Transmission Rate – Line and Transformation Connection \$	2,184	0.0038	8.30	2,184	0.0033	7.21	-1.09	-13.16%	1.54%
Sub-Total: Retail Transmission			16.82			15.94	-0.87	-5.19%	3.42%
Sub-Total: Delivery			208.35			224.08	15.74	7.55%	48.03%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.06%
Rural Rate Protection Charge	2,184	0.0013	2.84	2,184	0.0013	2.84	0.00	0.00%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.70			12.70	0.00	0.00%	2.72%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.00%
Total Bill on Two-Tier RPP (before Taxes)			443.05			458.78	15.74	3.55%	98.33%
HST		0.13	57.60		0.13	59.64	2.05	3.55%	12.78%
Total Bill (including HST)			500.64			518.42	17.78	3.55%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-50.06		-0.10	-51.84	-1.78	3.55%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			450.58		0.00	466.58	16.00	3.55%	100.00%