

COST ALLOCATION AND RATE DESIGN SUMMARY

Hydro One Networks Inc. has prepared its cost allocation and rate design evidence in accordance with Chapter 2 of the Board's Filing Requirements for Electricity Distribution Rate Applications issued July 17, 2013 and has followed the cost allocation policies outlined in the Board's report of March 31, 2011 Review of Electricity Distribution Cost Allocation Policy (EB-2010-0219).

Hydro One proposes to make a number of changes related to the rate classification of its customers in this application consistent with directions from the Board. As described in Exhibit G1, Tab 2, Schedule 1 the changes include the addition of a new Unmetered Scattered Load ("USL") rate class, changes to the definition of its Seasonal customer class, and incorporating the results of a rate class review across all of Hydro One Distribution's service territory to ensure all customers are classified in accordance with the currently approved density-based rate class definitions.

Hydro One proposes to move the revenue-to-cost ("R/C") ratios for all its rate classes to within the range of 98% to 102% over the five year Custom Cost of Service ("COS") period. Details of the proposed changes to R/C ratios are provided in the Exhibit G1, Tab 3, Schedule 1, which covers cost allocation related matters.

Rate design related matters are covered in Exhibit G1, Tab 4, Schedule 1. This includes Hydro One's proposal to increase the amount of revenue collected via fixed charges established using the values calculated in Sheet O2 of the Board's CAM.

The determination of rate riders for regulatory asset recovery and a rate rider for smoothing the revenue requirement bill impacts over the Custom COS period are discussed in Exhibit G1, Tab 5, Schedule 1.

1 The determination of Retail Transmission Service Rates are discussed in Exhibit G1, Tab
2 6, Schedule 1.

3

4 The bill impacts associated with Hydro One's proposals in the current application are
5 discussed in Exhibit G1, Tab 7, Schedule 1, including rate mitigation plans for some
6 customers moving between rate classes in accordance with the results of the rate class
7 review.

8

9 The results of a Board-directed Line Loss Study and proposed changes to the loss factors
10 for Hydro One's rate classes are discussed in Exhibit G1, Tab 8, Schedule 1.

CUSTOMER CLASSIFICATION

1.0 RATE CLASS REVIEW

In accordance with the Board Decision on Hydro One's IRM application EB-2012-0136 with respect to issue #13 of the settlement agreement, Hydro One has reviewed its customer rate classification to ensure that all customers are classified in accordance with the Company's currently approved density-based rate classes.

The rate class review leveraged the new functionality available through Hydro One's Geographic Information System ("GIS") to identify clusters of customers and the circuit-kilometers ("cct-km") of distribution line required to serve those customers to verify that the density zone criteria for Hydro One's density-based rate classes are being satisfied. Hydro One's residential and general service rate classes are tied to the identification of the following density zones:

- High (Urban) Density Zone: ≥ 3000 customers and ≥ 60 cust/cct-km
- Medium Density Zone: ≥ 100 customers and ≥ 15 cust/cct-km
- Low Density Zone: Areas that are not Medium or High Density

The rate class review used the following methodology to define density zones:

1. GIS system used to identify core clusters of contiguous customers
2. Density zone boundary extended out from core cluster of contiguous customers in all directions to:
 - easily identifiable and communicated physical boundaries (e.g. highways/roads, railways, rivers, lakes)

- non-physical boundaries identifiable within the GIS system (e.g. property lines) where physical boundaries are remotely located from customer clusters
3. Combined customer clusters that are located close to each other into a larger, single density zone, where it helped to mitigate negative impacts to existing customer classifications
 4. Determined the circuit-km of distribution line within a proposed density zone boundary and calculated the number of customers per cct-km of line
 5. Confirmed the density zone definition applicable to the total number of customers and customers/cct-km for a proposed density zone boundary

In a few situations, a (-10%) deadband was applied to the density zone definition where a majority of customers within a proposed density zone boundary would be negatively impacted as a result of moving to a lower-density rate class.

While the density zone definition always applies to a core cluster of contiguous customers, extending the density zone boundary out from a core cluster per the criteria noted does result in a density zone value below the 10% deadband for a limited number of density zone boundaries.

As shown in Table 1, the rate class review results in 11% of Hydro One customers being reclassified, with the vast majority of those moving to a higher-density rate class with lower rates. The customer reclassifications identified by the rate class review have been incorporated into the customer load forecast included with this application for the 2015-2019 Custom COS period.

Table 1. Summary of Rate Class Review Results

	# of Customers	% of Total
Total	1,222,548	100.0%
No Change	1,087,980	89.0%
Total Changing	134,568	11.0%
<i>Lower Rates</i>	<i>112,019</i>	<i>9.2%</i>
R1 to UR	40,023	3.3%
R2 to UR	1,815	0.1%
R2 to R1	63,670	5.2%
GSe to UGe	5,733	0.5%
GSd to UGd	778	0.1%
<i>Higher Rates</i>	<i>22,549</i>	<i>1.8%</i>
UR to R1	5,704	0.5%
UR to R2	439	<0.1%
R1 to R2	16,028	1.3%
UGe to GSe	311	<0.1%
UGd to GSd	67	<0.1%

The net impact of the rate class review is a drop of about \$40M in revenue at current rates. While many customers will see lower bills as a result of implementing the rate class review findings, customers will experience about a 3.4% increase on average across all rate classes to make up for the revenue deficiency resulting from the large number of customers moving to rate classes with lower rates.

The rate class review has resulted in a tool that has been incorporated into Hydro One's customer service processes to ensure that all new and existing customers are classified in their correct rate classes on a going forward basis.

1 **2.0 NEW UNMETERED SCATTERED LOAD (USL) RATE CLASS**

2
3 Per the direction of the Board in its report *Review of Electricity Distribution Cost*
4 *Allocation Policy* issued March 31, 2011, Hydro One has created a separate USL rate
5 class.

6
7 Hydro One proactively undertook a study to measure the hourly load profiles of cable
8 boxes starting in late 2010 in anticipation of the need to create a separate USL rate class.
9 Three cable companies (Rogers, Cogeco and East Link) provided site specific
10 information of their equipment to Hydro One for sample selection purposes. A total of
11 35 interval meters were installed across Ontario to measure the hourly load. Cable
12 equipment monitored included cable boxes with and without battery heating mats.
13 Hourly load data was collected for a period of a year. Regression analysis was performed
14 and weather normalized load profiles were generated. The results of this study, combined
15 with profiles of other types of non-weather sensitive USL loads, were used to produce the
16 USL hourly load profiles for this application.

17
18 USL customers were previously treated as General Service energy (“GSe”) customers,
19 with a reduced monthly fixed charge to reflect that USL customers do not have any
20 metering related costs. The number of USL customers and forecast kWh represented
21 only a small portion of the GSe customers and load, and as such, the separation of this
22 class has resulted in a negligible impact to the allocation of GSe costs. The creation of a
23 separate USL rate class will have a small impact on other rate classes given that the USL
24 class’ R/C ratio, as discussed in Exhibit G1, Tab 3, Schedule 1, is above the Board
25 approved range and Hydro One plans to bring the R/C ratios for all its rate classes to a
26 range of 98% to 102%.

1 A new USL rate class has been created in the Board's Cost Allocation Model ("CAM")
2 and populated with all required inputs. The CAM results for the USL rate class are
3 included in the discussion of cost allocation in Exhibit G1, Tab 3, Schedule 1.

4 5 **3.0 REVIEW OF SEASONAL RATE CLASS**

6
7 In accordance with the Board Decision on Hydro One's IRM application EB-2012-0136
8 with respect to issue #17 of the settlement agreement, Hydro One has consulted with
9 interested stakeholders to review the rates for Seasonal customers. The intent of the
10 review was to ensure that Seasonal rates are fair and equitable, and in accordance with
11 rate making principles.

12
13 Hydro One consulted with stakeholders on three occasions as part of the broader
14 stakeholder sessions for the Custom COS period, described in Exhibit A, Tab 20,
15 Schedule 1. Hydro One also engaged the consulting firm Citizen Optimum to conduct a
16 series of focus groups with Seasonal customers. The report on the focus group findings is
17 provided in Exhibit G1, Tab 2, Schedule 2. The focus groups were used to gather
18 participant opinions on fair rate designs for Seasonal customers, and to solicit and present
19 options for revising the existing Seasonal rate structure. The option preferred by focus
20 group participants was to move Seasonal customers that have consumption characteristics
21 similar to year-round residential customers to the residential customer classes. Hydro One
22 had received similar feedback during the stakeholder sessions.

23
24 A review of Hydro One's historical consumption data indicates that there are a number of
25 Seasonal customers that have annual consumption and monthly load profile
26 characteristics very similar to that of year-round residential customers. To better align
27 with cost causality and fairness rate principles, Hydro One proposes to treat as year-round
28 residential customers those Seasonal customers that i) consume at least 9,600 kWh

1 annually and ii) consume at least 600 kWh monthly for a minimum of 10 months of the
2 year. The definition of Seasonal rate class included in the proposed rate schedules
3 provided at Exhibit G2, Tab 2, Schedule 1 have been revised to reflect the proposed
4 change.

5
6 Hydro One's proposal will result in moving approximately 11,000 Hydro One Seasonal
7 customers, or 7%, of the total number of Seasonal customers to the medium density
8 residential (R1) and low density residential (R2) rate classes. This change has been
9 incorporated into the customer load forecast included with this application for the 2015-
10 2019 Custom COS period.

11
12 The net impact of the proposed Seasonal customer change is a drop of about \$7M in
13 revenue at current rates. While those Seasonal customers moving to year-round
14 residential classes will see lower bills as a result of implementing the proposed definition
15 change, all customer classes will experience an average increase of about 0.5% to make
16 up for the revenue deficiency resulting from this proposed change.

SEASONAL CUSTOMER FOCUS GROUP REPORT

1
2
3

Hydro One

Assessment of Seasonal Rate Payer opinions of current and optional seasonal rate structures.

Conducted and Presented by Citizen Optimum

Nick Cowling, GM

Kevin Groh, VP

Executive Summary

In July and August 2013, Citizen Optimum conducted a four-region consultation of Hydro One customers representing seasonal rate payers. The consultations were conducted as focus groups and included invited executive and non-executive representatives of local cottager associations - i.e. member associations of the Federation of Ontario Cottager Associations (FOCA).

The purpose of the research was to assess awareness and opinions of information and issues related to current seasonal delivery rates charged by Hydro One. More specifically, Citizen Optimum was asked to gather this information to inform Hydro One's upcoming application to the Ontario Energy Board in the future design of seasonal rates.

The focus group approach to consultation was selected for two reasons: 1. It allowed for participants to be educated on the subject matter in question, which is both unfamiliar and complicated for most customers; 2. Mass quantitative survey methods would not capture the range of opinion and nuance captured through in-person consultations and reflected in the report below.

A program methodology was established to achieve the following goals of the project:

1. Gather regionally and demographically diverse views
2. Ensure participants were sufficiently educated on rate making and the current rate structure to provide meaningful feedback
3. Gather participants opinions on fair rate designs for seasonal ratepayers
4. Solicit and present options to existing seasonal rate structure
5. Provide Hydro One with qualitative feedback

The abbreviated methodology follows:

- Citizen Optimum engaged FOCA to identify four regions that would be geographically and demographically diverse, and provide a large enough population of seasonal rate payers to attend consultations
- Citizen Optimum worked with FOCA to extend consultation invitations and requests for attendance to FOCA's email list of approximately 2,600 executives from member association
- Citizen Optimum managed RSVPs and - as was required in each region - conducted further phone and email outreach to ensure local awareness and attendance of consultations
- Citizen Optimum hosted seven consultations in the four regions suggested by FOCA: Haliburton, Buckhorn, Port Carling, Perth
- The focus groups were structured as follows:
 - 30 minutes to educate participants on Hydro One's role in Ontario's electricity sector, how they collect monies to maintain the system and the current rate design of seasonal ratepayers*
 - Following 60 minutes included a presentation of three optional rate designs and discussions about each of the options opportunities and implications**
 - Lastly, we asked participants to select the best option in their opinion
- Citizen Optimum prepared the following report.

* The presentation provided to educate participants is attached to this document as Appendix A.

** The presentation of optional rate designs is attached to this document as Appendix B.

There were a total of 38 participants representing the following associations. They were represented by either executive or individual members in the following regions, on the following dates:

Haliburton, July 18, 2013. Two sessions; 13 participants.

Buckhorn, July 30, 2013. Two sessions; 14 participants.

Port Carling, August 8, 2013. Two sessions; four participants.

Perth, August 15, 2013. One session; seven participants.

- Maple, Beech and Cameron Lakes Area Property Owners' Association
- Sir Sam's Road Maintenance Association
- Drag & Spruce Lake Home Owners Association
- Glamor Lake Cottagers Association
- Redstone Lake Cottagers' Association
- Mountain Lake Property Owners' Association
- Percy Lake Rate Payers' Association
- Canning Lakes Association
- Bear Lake Residents' Association
- Muskoka Lakes Association
- Ril Lake Association
- Lake of Bays Association
- Bruce Lake Family Association
- Three Mile Lake Association
- Severn River Association of Property Owners
- Buck Lake Association
- Lake Rideau Cottagers' Association
- Birch Island Residential Property Owners Association
- Greater Bobs and Crow Lakes Association
- Sharbot Lake Property Owners' Association
- President, West Devil Lakes Cottagers' Association
- Long and Loucks Lake Cottagers Association
- Wolf Lake Cottagers Association
- Menominee Lake Association
- North Pigeon Lake Raterpayers' Association
- Belmont Lake Cottager's Association
- Anstruther Lake Cottagers' Association
- 14/14 Cottagers Association
- Loon Call Lake Cottagers Association
- Baptiste Lake Association
- Balsam Lake Coalition

Note: An additional 13 association representatives RSVP'd to indicate that they would attend a session, but did not attend.

Summary of results: During the consultations, the following topics and trends were raised repeatedly, providing a broad picture of participant opinions.

The seasonal rate structure is not a prominent issue among rate payers.

The email invitation sent by FOCA (on behalf of Citizen Optimum and Hydro One) begins "Energy delivery rates are an important topic for seasonal property owners." While this was an assumption going into the consultations, participants feedback suggests that it may in fact be false. Many participants noted that without the email invitation, seasonal rates was otherwise not a topic of discussion.

Despite the concern that FOCA and other interveners have shown on this topic, consultations indicate concern is not widespread. To be clear, consultation participants were asked as part of their introduction whether electricity rates were discussed or stated as a priority for their association. Most associations answered no to this question. There was mention that many cottagers do speak about their electricity rates, but their associations had not made it a priority.

As noted below, the lack of prominence the issue of seasonal rates may be directly related to a general lack of understanding.

There was little knowledge of seasonal rates and rate-design principles.

The majority of participants understood they pay more than "urban" rate payers and in many cases their "full-time" residential neighbours. Further, most can cite relatively detailed comparisons of their own primary- and seasonal-residence energy bills. However, very few participants appeared to understand how the rates were determined and allocated.

There was general enthusiasm for greater clarity and transparency on this electricity invoicing and rate design. Overall, many, if not all, of the participants left the focus groups with a much better understanding of seasonal rates. While most appreciated this increased understanding, many said that being more informed made them more concerned and frustrated.

Opinions on seasonal energy rates often appeared motivated by personal interest.

Participants were invited to consultations on the basis of representing the interests of their association. The expectation was that they would speak on behalf of their members. While this request was respected and people frequently specified where their opinions would be regionally representative, participants frequently prefaced opinions with personal statements. For example, representatives of cottage associations where cottagers have higher personal energy use advocated for conditions that would benefit larger more heavily used properties (e.g. favouring higher fixed rates); participants with

lower personal energy use advocated for the opposite (e.g. minimizing fixed rates or focusing on rewards for conservation).

To combat this inclination, participants were told to establish opinions on the basis of all seasonal rate payers. At times, this was a challenge. For example, in one session, all participants were asked whether customers should pay for electricity on the basis of what they use - i.e. with everyone paying their share. Six of seven participants disagreed. One group member summarized the sentiment by noting that higher users have been carrying lower users for a long time. And, "if it ain't broke, don't fix it."

In many sessions, participants seemed to clearly understand that the current rates do result in some cross-subsidization, but this was not a major point of concern.

The seasonal rate system is viewed as convoluted. The following quotes - both paraphrased and direct - illustrate different aspects of this point:

"If you set out to build this system from scratch, you wouldn't do it like this." This comment was offered during a comparison of how roads and other infrastructure systems are funded, and that associations would not apply the Hydro One model of charges to these scenarios.

"You're going to get the money. You just want to figure out how to explain it to me." This comment - and others like it - were offered in the context of the \$100 million of recoverable charges, as established by the OEB cost allocation model.

"The question is 'Why does it cost \$342 more to deliver energy to me than it does to the guy 100 metres closer to the road than me?' and that's it." Most participants fail to understand why seasonal rates are required. Density was a key theme in many of the focus groups - specifically the notion that there is only one set of poles and wires serving an area and that service shouldn't cost different people different amounts.

Many question the validity and fairness of the seasonal category.

One of the most common participant questions and objections related to the existence of the seasonal rate class itself. In some cases, objections hinged on the idea of a single province-wide rate class. More commonly, objections centered on the disparity of permanent and seasonal residents in the same area, around the same lake, along the same road, or on the same power lines.

The separate bucket of costs being allocated to the seasonal rate payers was a similar sticking point among the participants. Participants felt the infrastructure served all local residents equally and, as noted above, they were not satisfied with reasons for why neighbouring full-time residents would pay less for the same poles and wires.

There is a disconnect between perceived value and seasonal rates

Most participants understood that their remote location has a corresponding cost. However, they also believed that their remote location also results in lesser service. With most participants living in a city, they expressed a clear difference in reliability between their home and cottage and felt they were paying more for less.

No single optional rate structure would satisfy all customers.

When presented optional rate designs (including the status quo), consultation participants assessed them using a range of criteria. In most groups, consideration of conservation, cross-subsidization between low and high energy users, and various interpretations of use-more-pay-more factored heavily in their consideration.

- Conservation: While many participants discussed this topic, few suggested actually using seasonal rates to influence conservation. This is an important topic in their minds, but the opinion of the participants was that it doesn't have a place in setting rates. Some participants felt the optional rate designs presented actually provided a disincentive toward conservation.
- Cross-subsidization: It was generally understood that rate decisions would impact one group positively, and one negatively. Without understanding the actual impacts, it was difficult for participants to recognize the significance of an increase to the low energy users.
- Use-more-pay-more: The idea that people should pay for what they use was a common filter for assessing optional structures among the participants.

Feedback on optional rate designs:

As noted above, there was not a unanimous consensus view on favoured options. When pressed to pick their one preferred option, participants were often reluctant, with many listing more than one. The following is a summary of that process and the related commentary:

Option 1: Raising Fixed Charges. (Two votes, 5%).

Participants understood quickly that this option would raise costs for the majority of customers (low energy users). That said, many participants, including some low energy consumers, understand the logic behind raising the fixed portion of the delivery charge. There was broad agreement that if in fact the OEB cost allocation model would suggest a fixed cost of \$30/month, then it should be acceptable. On a practical basis, participants understood the logic of this option more clearly than the others.

As noted above, there was a general understanding that higher-consuming energy users subsidize lower-consumers. This factored into consideration of this option as participants were told that it would result in an approximate 8% increase in delivery charges for lower-users and an 8% decrease for higher-users. The scale of this increase did not generally raise concern beyond the existing belief that rates are already too high.

Option 2: Moving high-consuming customers with residential-like consumption into residential rate class. (20 votes, 53%).

This was the most popular option among participants. Considering the common discussion that most participants felt the seasonal rate class should be consolidated into the full-time residential classes, it was logical for them to select this as the most popular optional rate design.

It was understood, even by participants that were low energy users, that this would have relative increases for both the remaining seasonal ratepayers and potentially the full-time residential rate classes that would receive these new customers.

Option 3: Splitting the seasonal class into high and low users. (One vote, 3%).

This was the least favourite option. It was seen as a step backwards, making the rate design more complex, not easier to understand.

The general sentiment is that participants believe rate payers are looking for fair, consistent rules within the rate design to improve clarity, not further segmentation.

Option: Status Quo. (10 votes, 26%).

Many participants accepted the status quo as the best option. In many cases, the status quo became a default response. Participants explained this choice with their understanding that the status quo was the best solution for low-energy users and that they were largest portion of rate payers in the seasonal class.

Summary

While many participants report that electricity rates are not a priority for the associations they represent, there was near unanimous interest in the topic. After educating participants about the seasonal-class rate design, their increased understanding of the topic caused some participants additional frustration - related to both a perceived lesser quality of service at their seasonal property and to the belief that seasonal residents should pay no more than neighbouring full-time residents.

In principle, the majority of participants understood the need for a rate design that is fair for all. However, personal circumstance was a driving factor in feedback, as were - to a lesser degree - issues like conservation and cross-subsidization. It seemed generally understood - particularly after the information portion of the consultation - that greater energy consumers have historically subsidized lesser consumers. As such, the large contingent of participants who support rates that reflect "reality" understand the likelihood of rate changes bringing higher rates for low-energy consumers.

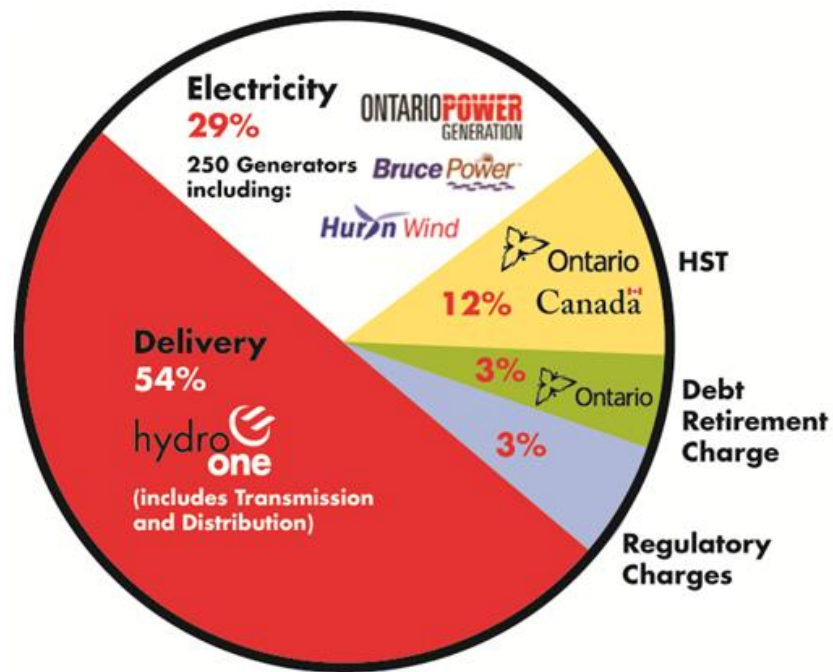
The most popular optional rate principle was "Option 2: Moving high-consuming customers with residential-like consumption into residential rate class"; the second most popular option is to maintain the status quo - i.e. the current structure.

Slide 1.

Why are we here?

- Hydro One is consulting stakeholders to review the rates for Seasonal customers
- The consultations are meant to identify options (which could include changes in rate design, classification, or otherwise)
- Hydro One wants to ensure rates are as fair and equitable as possible and in accordance with OEB rate making principles
- The results of the consultation will help inform Hydro One's next application to the OEB

What is the make-up of a Hydro One bill?



How does Hydro One bill for electricity?

Hydro One bills its seasonal customers quarterly.

Customers, including businesses and home owners, are billed for two things to cover the cost of delivering electricity:

1. A monthly FIXED amount to cover the supply of electricity
2. A VARIABLE amount for their individual use of electricity

Rate Classes

There are 12 rate classes.

They are based on various features:

- Urban/Rural
- Residential/Commercial/Industrial
- Year-round/Seasonal
- Energy demand (called “load profile”)
- And more

Different customer classes = different rates

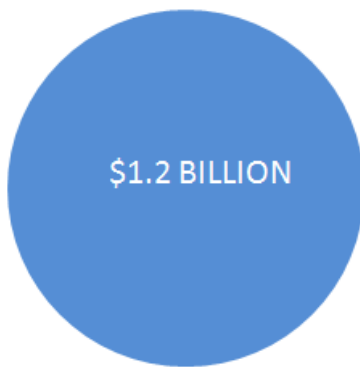
The Ontario Energy Board (OEB) approves rates with input from Hydro One and stakeholders.

The OEB establishes how Hydro One will collect the total yearly distribution delivery costs from its customers (\$1.2 billion in 2013)

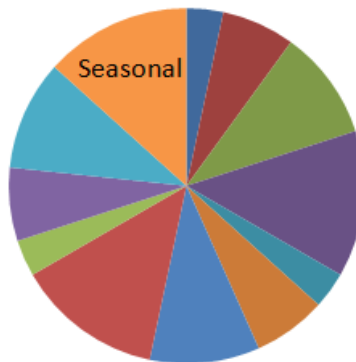
Of that, seasonal rate payers represent approximately \$100 million.

For illustration purposes only

Hydro One must
recover this much in
delivery costs...



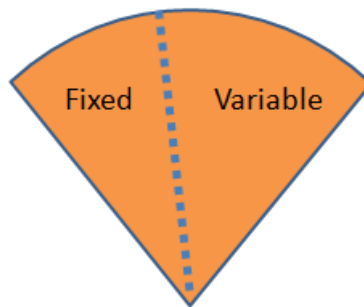
It has 12 "customer
classes" each representing
a specific cost...



Each "class" is
responsible for
paying its share...



Each “customer class” is responsible for an amount to pay collectively. That amount is paid through fixed and variable rates.



40/60 split for most residential customers (including seasonal)

We are here to talk about Seasonal Rate Payers

A seasonal rate payer is someone who owns a residential property, in addition to their primary residence, typically in a rural or remote location.

To be full-time residential, a resident must:

- Live at the property 4 days a week, 8 months of the year
- Have documentation (e.g. driver's license) noting the address
- Be enumerated for voting purposes at that address

Seasonal rate charges

Seasonal property owners pay higher rates for the delivery of electricity. There are generally two reasons:

1. The higher costs of supplying energy to seasonal homes (as a rate class group).
2. A typical seasonal rate payer annually uses less electricity than a typical residential rate payer (avg. 6,000 kWh vs. 12,000 kWh annually for full-time resident)

Reason 1: Higher costs to supply electricity to seasonal rate payers as a group

- Infrastructure (poles, conductors, submarine cables, etc.)
- Geography (forestry, lake service, remote access)
- Environment (storm recovery, wind)
- Maintenance (all factors above and customer service)

Reason 2: Average seasonal rate payers individually use less electricity than other rate payers.

- Seasonal homes usually have different load profiles:

 - 80% less than 500 kWh monthly

 - 60% less than 250 kWh monthly

 - 16% use less than 50 kWh monthly

 - 10% use more than 1,000 kWh monthly

 - Average residential home = 1,000 kWh monthly

- At the end of the year, the group must account for its entire bucket of costs. Even though use was at specific times of the year only.

Summary: Why do seasonal rate payers pay more?

- Hydro One must cover energy delivery costs
- 12 classes of rate payers must cover the total cost
- OEB methodology determines what each class “owes”
- That share is split between fixed and variable rates
- As a group, seasonal homes are more costly to supply and use less electricity per property than other classes
- Therefore, the average seasonal property owner will pay higher rates for the delivery of electricity than the average residential property owner

How does it work today?

- The current rate class was formed in 2008 when two seasonal rate classes (essentially in-town and remote) were merged.
- The merged group adopted the lower fixed charge as its target.
- This shifted balance of costs recovered from fixed to variable.
- In 2007 In-Town Seasonal had fixed rate of \$19.50 and Remote Seasonal was \$36.36. Both are now \$19.50 (+ new smart metre charge).

2013 Typical Bill

kWh consumed	Fixed charge	Variable charge	Total Delivery Charge	Total Bill
100	\$23.42	\$8.12	\$31.54	\$43.20
500	\$23.42	\$40.59	\$64.01	\$119.73
1,000	\$23.42	\$81.17	\$104.59	\$221.88

Slide 1.

Option 1: Raise Fixed Charges

- Current Seasonal fixed rates are \$19.50, compared with rural (\$57) and small town (\$20) classes.
- The OEB standard suggests Seasonal fixed rates should be \$30.
- Today, Seasonal rates are approx. 40% fixed, 60% variable.
Prior to 2008, they were 70% fixed, 30% variable

Option 1: Implication

- Increasing fixed charge to \$30/month will increase total bill of 250kWh customer 8%, and lower it 8% for 1,000kWh customer

Option 2: Revise the class criteria

- Some Seasonal customers have a “load profile” and use a volume of energy much like an average residential owner.
- High-consuming customers could be moved to respective residential classes – likely rural or small town.
- Seasonal customers with typical “seasonal” energy consumption patterns would stay in the seasonal category.

2013 Typical Bill

@ 1,000 kWh	Seasonal	Rural	Small Town
Dx Delivery Charge	\$104.59	\$97.73	\$57.38
Total Bill	\$221.58	\$215.44	\$174.17

Option 2: Implications

- Seasonal rate payers staying “seasonal” will see increased rates. And, residential classes will see a small increase.
- Seasonal rate payers moving to residential classes would see decreases.

2013 Typical Bill

@ 1,000 kWh	Seasonal	Rural	Small Town
Dx Delivery Charge	\$104.59	\$97.73	\$57.38
Total Bill	\$221.58	\$215.44	\$174.17

Option 3: Split high and low users

- Hydro One must collect approx. \$100M from Seasonal rate class, no matter how individuals use the energy or when they use it.
- One solution is to split seasonal customers into two classes (a high-volume group and a low-volume group).
- Relevant fixed and variable rates would be set for each group
- Collectively, the two groups would still need to pay \$100 million.

kWh /month	up to 50	51-250	250-500	500-750	750-1,000	1,000+
# of Seasonal	16%	46%	16%	8%	5%	9%

Option 3: Implications

- Expect rates to drop for high consumers and go up for low consumers.
- High consumers would see rates drop because they have more kWh consumption over which to spread their bucket of costs
- Low consumers would see rates go up because they have less kWh consumption over which to spread costs

kWh /month	up to 50	51-250	250-500	500-750	750-1,000	1,000+
# of Seasonal	16%	46%	16%	8%	5%	9%

How does it work today?

- The current rate class was formed in 2008 when two seasonal rate classes (essentially in-town and remote) were merged.
- The merged group adopted the lower fixed charge as its target.
- This shifted balance of costs recovered from fixed to variable.
- In 2007 In-Town Seasonal had fixed rate of \$19.50 and Remote Seasonal was \$36.36. Both are now \$19.50 (+ new smart metre charge).

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COST ALLOCATION

1.0 INTRODUCTION

Hydro One Networks Inc's total revenue requirement for each of the five years of the Custom Cost of Service (COS) period, as described in Exhibit E1, Tab 1, Schedule 1, has been allocated to rate classes in order to determine proposed distribution rates. Hydro One has followed the cost allocation policies outlined in the Board's report *Review of Electricity Distribution Cost Allocation Policy (EB-2010-0219)* issued March 31, 2011. Hydro One has used a cost allocation model consistent with the Board's Revised Cost Allocation Model ("CAM") issued in August 2013, modified as discussed in Exhibit G2, Tab 1, Schedule 1 in order to accommodate the Company's specific circumstances, including the breakout of bulk system assets, incorporating density-based rate classes and the inclusion of sentinel lights.

Exhibits G2, Tab 1, Schedules 2 to 6 provide the inputs and outputs from the CAM for each of the five years of the Custom COS period as specified in the Board's filing requirements. The full model for each test year has also been filed electronically.

2.0 COST ALLOCATION MODEL

2.1 Introduction

The OEB's CAM is designed based on the principle that costs should be allocated to those customer classes causing them. Cost allocation generally is done in three steps; functionalization, categorization and allocation.

1 In the functionalization step, costs are aggregated into homogenous groups as defined by
2 functions within the utility. Functionalization is achieved by allocating utility costs to the
3 various USofA accounts, with further refinement in some categories for bulk and
4 primary-related costs, station costs, and sentinel light costs as described in Exhibit G2,
5 Tab 1, Schedule 1.

6
7 In the categorization step, each of the USofA accounts determined in the
8 functionalization step is categorized as demand-related (related to the peak demands on
9 the system), customer-related (related to the number of customers or connections of the
10 utility), or jointly demand and customer-related (related to both demand on the system
11 and number of customers). Where costs are categorized as jointly demand and customer-
12 related, the proportions of each are determined using a minimum system approach. This
13 approach determines the customer-related proportion by estimating the minimum system
14 that would be needed to serve the minimum load requirements of all distribution
15 customers. The remainder of the costs is considered to be demand-related. Hydro One
16 uses a minimum system split specific to its system as determined by the minimum system
17 study reviewed and approved by the Board as part of Hydro One's 2008 Rates
18 application, EB-2007-0681.

19
20 The final step of the cost allocation process is the allocation of the demand and customer-
21 related costs based on various allocators. Hydro One has adopted the allocators used in
22 the Board's CAM, except to the extent new allocators were required due to changes in the
23 functionalization of assets and to accommodate the allocation of costs between density-
24 based classes, as discussed further below.

2.2 Consideration of Cost Allocation Issues

In its Decision in Hydro One's last cost-of-service application EB-2009-0096 the Board directed Hydro One to review a number of issues raised by the Vulnerable Energy Consumers Coalition ("VECC") as a normal part of the process for making potential improvements to the cost allocation methodology.

2.2.1 Direct Cost Allocation

One of the issues examined was with respect to Hydro One's direct allocation of some costs. Hydro One directly allocates some Sentinel lights costs, as well as directly allocating metering and settlement related costs associated with its interval metered customers in the GSd, UGd, DGen and ST rate classes. These directly allocated costs are identified within Hydro One's cost accounting and so can be specifically attributed to the customers that drive them. As such, Hydro One believes that its treatment of these directly assigned costs results in a better alignment with the principle of cost causality.

Hydro One tested the impact of its approach by re-running its previously approved 2010 CAM with only direct allocation of sentinel lighting related costs, which VECC did not have an issue with. Hydro One's analysis shows that the impact on the revenue-to-cost ("R/C") ratio of not directly assigning interval metering, billing and settlement costs for most classes is small, except for the DGen and ST classes. These classes are most significantly impacted as the directly allocated costs, of which they are the primary drivers, represent a significant portion of their total revenue requirement, particularly in the case of the DGen class. Hydro One believes that without the direct assignment of these costs, the ST and DGen classes will not be fairly allocated the costs associated with processing their metering information and the ongoing management of their accounts. This is especially problematic because of the large, and growing, number of DGen

1 customers served by Hydro One's distribution system. Having other rate classes pick up
2 the costs specifically attributed to interval metered customers is inconsistent with the
3 principle of cost causality.

4
5 2.2.2 Allocation of Administrative and General (A&G) Costs

6
7 In its last cost-of-service application, Hydro One allocated Administrative and General
8 ("A&G") expenses to customer classes using an allocator that included only non-directly
9 allocated distribution and customer Operation and Maintenance ("O&M") costs, as per
10 the methodology used in the Board's CAM.

11
12 In its argument in EB-2007-0681 VECC suggested that directly allocated costs should not
13 be excluded in determining the O&M allocator for A&G costs. The costs that Hydro One
14 directly allocates consist of customer-related O&M costs as well as some A&G costs.
15 Hydro One believes there is merit to VECC's argument for including directly allocated
16 O&M costs when developing the O&M allocator, but does not believe it appropriate to
17 include directly allocated A&G costs for the purpose of allocating other A&G costs. In
18 the current application, Hydro One has modified the O&M allocator to include both non-
19 directly and directly allocated O&M costs, which will then be used to allocate the balance
20 of A&G costs that are not directly allocated.

21
22 Hydro One tested the impact of this change by re-running the previously approved 2010
23 CAM including the directly allocated O&M costs in calculating the O&M allocator.
24 Hydro One's analysis shows that the impact on the R/C ratio for most classes is small,
25 except for the DGen class which shows a 13% drop in its 2010 R/C.

1 2.2.3 Allocation of Revenue from Miscellaneous Revenues

2
3 In its final arguments in proceeding EB-2007-0681, VECC noted an issue with respect to
4 Hydro One's allocation of Miscellaneous Revenues. Hydro One has since revised its
5 treatment of Miscellaneous Revenue to follow the latest CAM issued by the Board, which
6 addresses the issues raised by VECC. The Board's latest CAM incorporates necessary
7 changes to meet the requirements specified in the Board's report *Review of Electricity*
8 *Distribution Cost Allocation* issued March 31, 2011.

9
10 2.2.4 Determination of Minimum System Peak Load Carrying Capability (PLCC)

11
12 In 2007, Hydro One engaged Black and Veatch consultants to conduct a Minimum
13 System Study to compute the minimum component, minimum system ratio, and peak
14 load carrying capability ("PLCC") for components of Hydro One's distribution system.
15 For the purpose of determining the PLCC adjustment for conductors, the Study assumed
16 that each distribution station would supply a single feeder. The Minimum System Study
17 was reviewed and approved by the Board as part of Hydro One's 2008 application EB-
18 2008-0187.

19
20 In response to the Board direction, Hydro One engaged the original consultant to provide
21 an alternate calculation of the PLCC adjustment for conductors using the actual number
22 of distribution feeders in Hydro One Distribution's system, as suggested by VECC,
23 instead of assuming one feeder per distributing station. The consultant's report is
24 provided at Exhibit G1, Tab 3, Schedule 2.

25
26 The alternate calculation of PLCC addresses the inconsistency within the Minimum
27 System Study between the calculation of the minimum system split, which includes the
28 total line length of all distribution lines, and the PLCC calculation. Since the calculation

shown in Exhibit G1, Tab 4, Schedule 2 was provided in July of 2010, updated information on the number of feeders and total number of customers has become available. An update to the calculation of the Conductor PLCC is provided below. The value of 1,154 watts per customer has been used in the CAM.

Table 1
Updated Conductor PLCC Calculation

	Conductor PLCC in 2010 CAM	Updated Conductor PLCC
Rating for each distribution feeder circuit, Amps	184	184
Line-to-Neutral Voltage, kV	4.16	4.16
Circuit capacity per distribution feeder, kVA	765	765
Assumed power factor	80%	80%
Circuit capacity per distribution feeder, kW	612	612
Number of distribution feeders	1,035	2,366
Distribution system Conductors PLCC, kW	633,784	1,448,825
Number of customers	1,165,092	1,255,963
PLCC- Conductors (Watts Per Customer)	544	1,154

For consistency, the transformer PLCC calculation has also been updated to reflect the total number of customers in 2012, as shown below. The value of 2,875 watts per customer has been used in the CAM.

Table 2
Updated Transformer PLCC Calculation

	Transformer PLCC in 2010 CAM	Updated Transformer PLCC
Number of existing transformers	451,440	451,440
Capacity (kVA) of Minimum Component	10	10
Assumed power factor	80%	80%
Distribution system Transformers PLCC, kW	3,611,520	3,611,520
Number of customers	1,165,092	1,255,963
PLCC- Transformers (Watts Per Customer)	3,100	2,875

Hydro One tested the impact of this change by re-running its previously approved 2010 CAM using the alternate PLCC value. Hydro One's analysis shows that the higher conductor PLCC value results in about 3% lower costs allocated to the residential customers, offset by higher costs allocated to the general service customers. This results from more of the residential customers' non-coincident peak load being met by the minimum system capacity, which drives a decrease in the demand-related costs allocated to the residential class.

2.3 Allocation of Smart Grid Costs

In accordance with the settlement agreement in Hydro One's 2014 IRM application EB-2013-0141 on the issue of the Smart Grid Rate Rider, Hydro One is providing information on its allocation of Smart Grid costs.

Smart Grid costs to the end of 2014 are recovered via Smart Grid riders established in Hydro One's 2010/11 COS application EB-2009-0096; the 2013 IRM application EB-2012-0136; and the 2014 IRM application EB-2013-0141. The balance associated with variances in Smart Grid spending to date are included in the variance account being proposed for disposition in this application as described in Exhibit F1, Tab 1, Schedule 1 (Regulatory Accounts). A rate rider to dispose of the Smart Grid regulatory balance is proposed as discussed in Exhibit G1, Tab 5, Schedule 1. The Smart Grid regulatory balance to be disposed of is allocated across all rate classes based on their share of revenue requirement, which is the methodology previously approved by the Board for use in determining the Smart Grid riders established under EB-2009-0096 and EB-2012-0136.

Fixed asset costs associated with Smart Grid spending to date, as well as the fixed asset costs proposed for the 2015 to 2019 Custom COS period, are included in the Board's CAM under the following USofA accounts: 1820 Distribution Station Equipment; 1830 Poles, Towers and Fixtures; 1835 Overhead Conductors and Devices; 1920 Computer Equipment – Hardware; 1925 Computer Software; 1955 Communication Equipment; and, 1980 System Supervisory Equipment. The bulk of the fixed assets are in USofA 1980 (24%), 1835 (23%) and 1925 (21%). Fixed asset costs are allocated to all rate classes using the methodology per the Board's approved CAM, which allocates costs based on relative number of customers and relative peak load of each class.

1 The Smart Grid OM&A costs over the 2015 to 2019 Custom COS period are allocated
2 within the Board's CAM to USofA 5085 "Miscellaneous Distribution Expenses". In
3 accordance with the Board's approved methodology, USofA 5085 expenses are allocated
4 to all rate classes based on the relative share of total distribution lines and stations assets
5 assigned to each rate class.

6 7 **2.4 Density Factors**

8
9 Hydro One previously received approval to apply density weighting factors to allocate
10 overhead lines and transformer costs between its density based rate classes for the
11 purpose of setting rates as part of its EB-2007-0681 and EB-2009-0096 COS
12 applications.

13
14 Per the direction from the Board in their Decision on the 2010/11 application EB-2009-
15 0096, Hydro One completed a study of the relationship between customer density and
16 cost allocation which was filed as part of Hydro One's 2013 IRM application EB-2012-
17 0136. The Density Study results confirm the appropriateness of having density-based rate
18 classes and concluded that there is a statistically significant relationship between
19 customer density and distribution service costs, and that distribution service costs
20 decrease as customer density increases.

21
22 Hydro One received approval in its 2013 IRM application to adjust its rates based on
23 reallocating the total bottom-line costs for each rate class as determined in its 2010 CAM.
24 The adjustment to the bottom-line costs, excluding Customer and A&G costs, aligned the
25 CAM results with the relative cost of serving density-based classes as determined by the
26 Density Study. The density factors used to make the adjustment for all urban rate classes
27 (UR, UGe, and UGd) and for the R1 and R2 class were based directly on the results of

1 the Density Study. The density factors for the GSe, GSd and Seasonal rate classes were
2 interpolated based on the relative weightings of the other classes.

3
4 As per settlement agreement in Hydro One's 2013 IRM application, the Company has
5 incorporated the Density Study density weighting factors into the CAM included as part
6 of the current application, instead of making a bottom-line adjustment.

7
8 Consistent with the findings of the Density Study, which looked at all program costs and
9 assets associated with providing line and transformation related distribution services to
10 customer groups of different density, Hydro One has applied the density factors derived
11 in the Density Study to all line and transformation assets associated with providing
12 primary and secondary service. As per the approach approved for previous COS
13 applications, Hydro One does not apply density weights to the bulk system assets.

14
15 For the current application, Hydro One has interpolated the density factors for Seasonal,
16 GSe and GSd based on the weighted average customer density for these classes as
17 determined using the information on number of customers, area, and total circuit
18 kilometers for the 62 sample areas included in the Density Study¹. Table 3 provides the
19 weighted average customer density calculated for each rate class and the density factors
20 for all rate classes used in the CAM submitted as part of this application. The Density
21 factors for all rate classes that are not density differentiated (i.e. Street Lights, Sentinel
22 Lights, USL, DGen and ST) are set to 1.0 in the CAM.

¹ Per Figure 10 in Exhibit D-1-1, Attachment 1 of EB-2012-0136

Table 3

Weighted average customer density and Density Factors by rate class

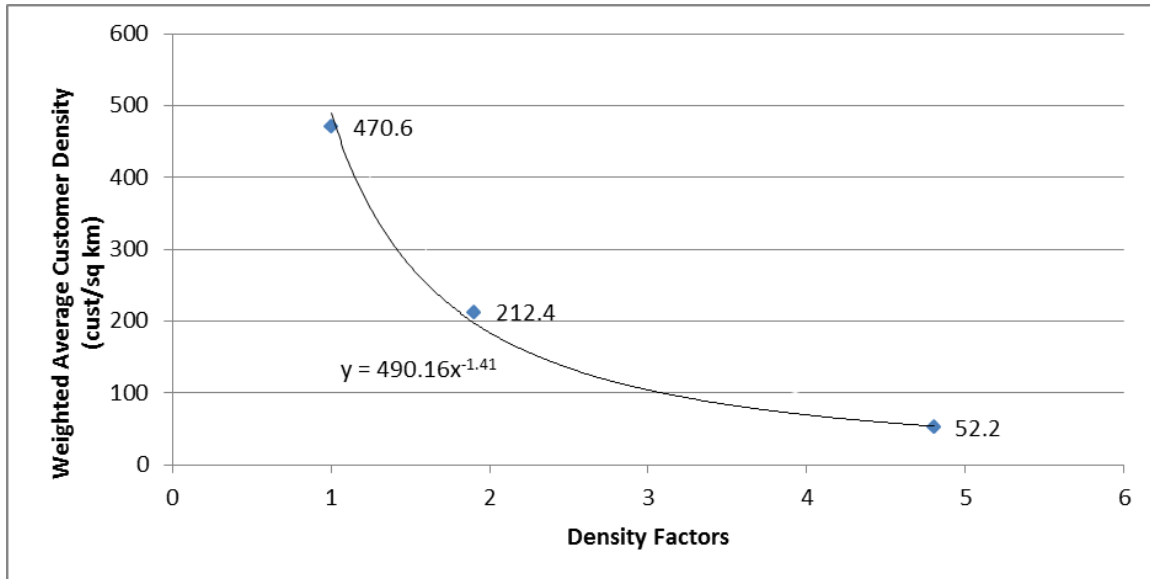
Rate Class	Weighted Average Customer Density (Cust per km²)	Density Factors from the Density Study
UR	470.6	1.0
R1	212.4	1.9
R2	52.2	4.8
Seasonal	80.8	3.6 *
UGe	478.2	1.0
GSe	145.2	2.4*
UGd	484.8	1.0
GSd	164.4	2.2*

* Interpolated per Figure 1

The relationship between weighted average customer density and the density factors for UR, R1, and R2 classes was plotted and a non-linear trend line established to interpolate the density factors for the Seasonal, GSe and GSd classes.

Figure 1

Relationship between weighted average customer density and density factors



2.5 Weighting Factors

2.5.1 Billing and Collecting

Hydro One is using the billing and collecting weighting factors noted below based on consideration of the costs associated with billing, customer call handling and collection services determined in discussion with experienced staff directly involved in these activities. Customer density is assumed to have no impact on the billing and collection cost to which these factors apply.

Table 4

Billing and Collecting Weighting Factors

Rate Class	UR	R1	R2	Seas	GSe	GSd	UGe	UGd	St.Lgt	Sen.Lgt	USL	DGen	ST
Weighting Factor	1	1	1	1	2	7	2	7	2	0.02	2	15	15

There is no material difference associated with billing and collecting efforts for the different residential customers, and so all weighting factors were set to 1 per the Board's guidelines.

GSe and UGe weighting factors have been kept at the original model default value of 2 as Hydro One believes this appropriately reflects the higher costs of dealing with commercial customer bills and inquiries, which are usually more complex in nature and take more time and resources to resolve.

The original model default weighting factor of 7 is considered appropriate for GSd and UGd customers given that these customers drive higher billing and customer service costs similar to General Service energy customers. Also they drive additional costs related to the annual review process to check for average consumption > 50 kW to qualify to be moved to the demand-billed rate class. The review process can trigger an increase in customer calls and require additional communication with customers, as well as increasing settlement issues.

The weighting factor for street lights and USL rate classes are set at 2 as billing and settlement related costs for these rate classes are similar to those of energy-billed commercial customers. There is also additional effort for these classes associated with maintaining and updating the forecast kWh to be used for billing purposes.

The weighting factor for Sentinel Lights is set to a nominal value of 0.02 as the customers in this class require little to no oversight. There are no meter readings required and forecast kWh are easily determined and not subject to change over time. The administration of sentinel light accounts is minimal as these customers are simply an additional line item on their main account's electricity bill.

The original model default weighting factor of 15 is considered appropriate for DGen and ST customers because of the level of effort associated with billing and collections driven by the complexity of their bills.

2.5.2 Services

Hydro One is using the services weighting factors noted below:

Table 5
Services Weighting Factors

Rate Class	UR	R1	R2	Seas	GSe	GSd	UGe	UGd	St.Lgt	Sen.Lgt	USL	DGen	ST
Weighting Factor	0.5	0.75	1.5	1.0	0	0	0	0	0	0	0	0	0

The weighting factors for Services are applied to services assets and reflect an estimate of the relative cost of services assets provided by Hydro One to its rate classes. The weighting factors for the residential classes are based on an estimated relative service connection length of 30, 20, 15 and 10 metres for R2, Seasonal, R1 and UR customers, respectively. All other rate classes are fully responsible for their service connection assets and as such their weighting factors are set to zero.

3.0 IMPLEMENTATION OF COST ALLOCATION RESULTS

The Board's policy report *Application of Cost Allocation for Electricity Distributors* (EB-2007-0667) established target ranges for the R/C for each customer class and states that utilities should endeavour to move their R/C ratios closer to 1 if this is supported by improved cost allocation. This view was reinforced in the Board's report *Review of Electricity Distribution Cost Allocation* (EB-2010-0219) and in their Decision in rate applications for Toronto Hydro (EB-2010-0142) and Brant County Power (EB-2010-0125). Hydro One has made numerous improvements to its cost allocation, including:

- using updated customer load profiles based on 2012 smart meter data;
- creation of a USL rate class;
- improvements to the assignment of OM&A costs by USofA;
- improvements to the breakout of fixed asset costs by USofA;
- updated density factors tied to approved Density Study results; and
- updated billing, collection and services weighting factors.

Hydro One proposes to adjust class revenue recoveries as necessary to move the R/C ratios for all rate classes to within a range of 98% to 102% over the five year Custom COS period. The proposed range provides some flexibility in establishing rates and mitigates the undesirable result of having customer rates fluctuate up or down as a result of even minor movements around an absolute target of 1.

The approach in this application to moving the R/C ratios as determined by the CAM is to ensure that all rate classes with R/C ratios outside the upper limit of the Board range are brought within the Board approved ranges in 2015. In subsequent years, the class with the highest R/C ratio will be phased-in over the remaining years of the Custom COS period to achieve the end state target of 1.02. All other classes with ratios above the

1 phased-in target will be brought to the same value. The decrease in revenue from rate
 2 classes whose R/C ratios are dropping will be made up by increasing the R/C ratios for
 3 those classes with ratios below 1, as required. The rate classes with ratios below 1 will
 4 be brought closer to 1, starting with the classes whose R/C ratios are the lowest, except in
 5 the case of the Sentinel Light and DGen classes whose R/C ratios are such that the
 6 increase in the R/C ratio has been phased-in over five years. For any given year, the
 7 decrease in the revenue to be collected from rate classes whose R/C ratio are above 1 is
 8 offset by an equal increase in revenue to be collected from those rate classes whose R/C
 9 ratio is below 1.

10
 11 The proposed changes to the R/C ratios over the five year Custom COS period are
 12 summarized in Table 6. Table 6 shows the R/C ratios output by the CAM and the
 13 adjustment to the R/C ratios as part of the rate design process.

14
 15 **Table 6**
 16 **Revenue-to-Cost Ratios**

Rate Class	2015		2016		2017		2018		2019		Board Range
	CAM	Rate Design	CAM	Rate Design	CAM	Rate Design	CAM	Rate Design	CAM	Rate Design	
UR	130	115	118	113	115	110	111	106	107	102	85 – 115%
R1	123	115	116	113	114	110	111	106	106	102	85 – 115%
R2	94	94	94	95	95	96	97	98	98	99	85 – 115%
Seasonal	90	94	94	95	95	96	97	98	98	99	85 – 115%
GSe	103	103	103	103	101	101	101	101	100	100	80 – 120%
UGe	71	94	95	95	93	96	95	98	97	99	80 – 120%

Rate Class	2015		2016		2017		2018		2019		Board Range
	CAM	Rate Design	CAM	Rate Design	CAM	Rate Design	CAM	Rate Design	CAM	Rate Design	
GSd	87	94	93	95	91	96	93	98	96	99	80 – 120%
UGd	89	94	93	95	91	96	93	98	96	99	80 – 120%
St. Lgt	88	94	93	95	94	96	96	98	98	99	70 – 120%
Sen. Lgt	84	87	85	89	88	92	93	96	96	99	80 – 120%
USL	125	120	121	113	114	110	111	106	106	102	80 – 120%
DGen	38	51	56	67	70	80	82	91	94	99	80 – 120%*
ST	70	94	93	95	94	96	95	98	97	99	80 – 120%

* Assume same as for GSe

Exhibit G2, Tab 1, Schedule 7 provides a summary of the cost allocation results by rate class in the format required per Appendix 2-P of the Board's July 17, 2013 updated Filing Requirements.

HYDRO ONE MINIMUM SYSTEM UPDATE

Hydro One Networks Inc.

Distribution Business Minimum System Study - Update

July 5, 2010

A. Background and Purpose

Black & Veatch Corporation (“B&V” or “we”) is pleased to submit this Distribution Business Minimum System - Update (“Update”) to Hydro One Networks Inc. (“Hydro One”).

B&V was engaged by Hydro One to conduct a Minimum System Study to compute the Minimum Component, Minimum System Ratio and Peak Load Carrying Capacity (“PLCC”) for components of Hydro One’s distribution system. The Minimum System Study included Line Transformers (account 1850) and Distribution Feeders, which comprises poles and conductors (accounts 1830 -1845). B&V issued our report dated August 20, 2007 on the Minimum System Study (“Minimum System Report”).

The methodology used in the Study to compute the Minimum Components, Minimum System Ratio and PLCC followed accepted practice. The Minimum System Report includes a description of the methodology. Capitalized terms used in this Update have the same meaning as in the Minimum System Report.

In this Update we present an alternative computation of the PLCC for Conductors.

B. Results

Table 1 summarizes the results of the Minimum System Study and this Update.

TABLE 1. SUMMARY OF RESULTS				
Component	Minimum Component	Minimum System Ratio	PLCC (Watts Per Customer)	
			Minimum System Study	Update
Line transformers	10 kVA 1-phase	61.90%	3,099 W	
Conductors	#2 ASCR two-wire system (one conductor, one neutral)	54.78%	544 W	1,341 W
Poles, Towers and Fixtures		47.80%		

The Minimum System Study included the Primary and Secondary / Services portions of the distribution system. The Primary distribution system Minimum Component was determined to be a #2 ASCR two-wire system (one conductor and one neutral). No Minimum Component was specified for the Secondary distribution system / Services; the service installed for each customer must be selected to meet that customer's needs and based on our experience and generally accepted practice, the Secondary distribution system / Services Minimum System Ratio was determined to be 95%.

C. Peak Load Carrying Capability - Conductors

The Peak Load-Carrying Capability- Conductors is based on a rating of 184 amps per feeder of #2 ASCR wire. Hydro One's system contains 1,035 distribution substations. In the Minimum System Study, it was assumed that each distribution substation would supply a single feeder, consistent with industry practice for calculating PLCC estimates.

In this Update, the PLCC- Conductors is computed based on the actual number of distribution feeders, 2,553 feeders.

The existing system has a combination of feeders at capacities of 12.5 kV and 4.16 kV. The Transformer Minimum Component has a high-side capacity of 7.2 kV; therefore the Minimum System would operate at 4.16 kV, because 12.5 kV would exceed the capacity of the Transformer Minimum Component.

The PLCC-Conductors was calculated as follows:

Rating for each distribution feeder circuit, amps (a)	184
Line-to-Neutral Voltage, kV	<u>4.16</u>
Circuit capacity per distribution feeder, kVA	765
Assumed power factor	<u>80%</u>
Circuit capacity per distribution feeder, kW	612
Number of distribution substations (b)	<u>2,553</u>
Distribution system Conductors PLCC, kW	1,562,436
Number of customers	1,165,092
PLCC- Conductors (Watts Per Customer)	1,341

(a) Continuous Current Rating Under Summer 60C/40C, Sun/No Wind Condition
(Amp)

(b) Actual number of distribution feeders

RATE DESIGN

1.0 INTRODUCTION

The purpose of this evidence is to present the proposed rates designed to collect the revenue requirement as determined by the CAM discussed in Exhibit G1, Tab 3, Schedule 1.

The proposed distribution rates for each rate class over the Custom COS period are summarized in Table 1.

Table 1
Distribution Rates over the 5-year Custom COS Period

Rate Class*	2015			2016			2017			2018			2019		
	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)	Service Charge (\$/month)	Volumetric Charge (\$/kWh)	Volumetric Charge (\$/kW)
UR	20.29	0.0179		20.84	0.0184		20.51	0.0183		19.93	0.018		19.57	0.0178	
R1	27.92	0.0315		29.20	0.0330		28.95	0.0329		28.26	0.0325		27.89	0.0323	
R2	68.49	0.0445		73.75	0.0485		76.45	0.0510		78.99	0.0537		81.74	0.0564	
Seasonal	26.78	0.0938		28.63	0.1015		29.72	0.1071		30.57	0.1125		31.55	0.1181	
GSe	28.96	0.0548		30.71	0.0588		31.42	0.0610		31.87	0.0632		32.47	0.0653	
UGe	22.48	0.0246		23.88	0.0263		25.32	0.0282		26.66	0.0302		27.82	0.0318	
GSd	82.14		14.5768	88.72		15.9486	95.25		17.3885	101.62		18.9467	106.94		20.2535
UGd	84.40		8.3437	91.46		9.1105	98.68		9.9305	105.72		10.8088	111.74		11.5478
St Lgt	4.01	0.0912		4.37	0.0992		4.63	0.1052		4.83	0.1104		5.03	0.1153	
Sen Lgt	2.42	0.1197		2.83	0.1380		3.19	0.1531		3.53	0.1681		3.83	0.1804	
USL	39.14	0.0309		39.13	0.0309		39.00	0.0308		38.00	0.0301		37.47	0.0297	
DGen	166.48		3.3127	207.03		4.8322	239.01		6.2910	267.75		7.6545	285.98		8.7721

* Refer to Table 5 for ST rates.

The proposed rates over the Custom COS period reflect the changes in revenue requirement and load forecast, and the results of applying the OEB's CAM. The proposed rates are calculated based on the rate class revenue requirement after adjustments to the R/C ratios as described in Section 3.0 of Exhibit G1, Tab 3, Schedule 1. Details of the calculation of the R/C ratio adjustments and derivation of the rates shown in Table 1 are provided in Exhibit G1, Tab 4, Schedule 2.

The Distribution and Total Bill impacts at typical consumption levels for each rate class over the Custom COS period are summarized in Table 2. Bill impacts over a range of consumption levels are provided in Exhibit G1, Tab 7, Schedule 1.

Table 2

Distribution and Total Bill Impacts at Typical Consumption Levels

Rate Class	Monthly Consumption (kWh)	Monthly Peak (kW)	2015				2016				2017				2018				2019			
			Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)
UR	800		(\$4.05)	-10.8%	(\$4.35)	-3.3%	\$0.75	2.2%	\$0.76	0.6%	\$0.64	1.9%	\$0.65	0.5%	\$0.50	1.4%	\$0.51	0.4%	\$0.90	2.5%	\$0.92	0.7%
R1	800		(\$0.69)	-1.3%	(\$1.64)	-1.1%	\$2.15	4.2%	\$2.19	1.5%	\$1.37	2.6%	\$1.39	0.9%	\$1.03	1.9%	\$1.05	0.7%	\$1.61	2.9%	\$1.64	1.1%
R2	800		\$5.47	8.5%	\$4.83	3.0%	\$7.66	10.9%	\$7.79	4.6%	\$8.16	10.5%	\$8.30	4.7%	\$9.28	10.8%	\$9.44	5.1%	\$10.11	10.6%	\$10.28	5.3%
Seasonal	400		\$4.02	6.9%	\$3.32	3.1%	\$4.47	7.2%	\$4.55	4.1%	\$5.44	8.2%	\$5.53	4.8%	\$5.89	8.2%	\$5.99	4.9%	\$6.47	8.3%	\$6.58	5.2%
GSe	2,000		\$10.99	9.0%	\$12.80	3.6%	\$8.95	6.7%	\$9.10	2.4%	\$9.66	6.8%	\$9.82	2.6%	\$10.66	7.0%	\$10.84	2.8%	\$11.51	7.1%	\$11.71	2.9%
UGe	2,000		\$21.90	46.3%	\$24.62	8.9%	\$4.24	6.1%	\$4.31	1.4%	\$7.56	10.3%	\$7.69	2.5%	\$8.55	10.6%	\$8.70	2.8%	\$8.31	9.3%	\$8.45	2.6%
GSd	35,000	120	\$323.94	22.5%	\$345.75	5.9%	\$156.76	8.9%	\$177.14	2.9%	\$239.79	12.5%	\$270.96	4.3%	\$281.88	13.0%	\$318.53	4.8%	\$268.77	11.0%	\$303.71	4.4%
UGd	35,000	120	\$191.25	22.4%	\$263.03	5.1%	\$90.63	8.7%	\$102.41	1.9%	\$141.40	12.5%	\$159.79	2.9%	\$164.73	12.9%	\$186.15	3.3%	\$157.59	10.9%	\$178.08	3.0%
St Lgt	500		\$9.30	24.1%	\$9.40	10.0%	\$3.93	8.2%	\$4.00	3.9%	\$4.95	9.6%	\$5.03	4.7%	\$5.03	8.9%	\$5.12	4.6%	\$5.26	8.5%	\$5.35	4.6%
Sen Lgt	50		\$1.46	21.9%	\$1.48	11.9%	\$1.24	15.2%	\$1.26	9.0%	\$1.41	15.1%	\$1.43	9.5%	\$1.54	14.3%	\$1.56	9.4%	\$1.46	11.8%	\$1.48	8.1%
USL	500		\$2.32	4.6%	\$1.88	1.8%	(\$0.24)	-0.5%	(\$0.24)	-0.2%	\$1.54	2.9%	\$1.57	1.5%	\$0.60	1.1%	\$0.61	0.6%	\$1.36	2.5%	\$1.38	1.3%
DGen	2,000	20	\$60.46	36.7%	\$75.81	18.2%	\$67.25	29.9%	\$75.99	15.4%	\$70.15	24.0%	\$79.27	13.9%	\$71.62	19.8%	\$80.94	12.5%	\$60.38	13.9%	\$68.22	9.4%
ST	500,000	1,000	\$634.32	36.0%	\$1,319.52	2.2%	\$213.13	8.9%	\$240.84	0.4%	\$192.17	7.4%	\$217.15	0.3%	\$249.72	8.9%	\$282.18	0.4%	\$243.30	8.0%	\$274.93	0.4%

1 The 2015 proposed rate schedules reflecting the rates shown in Table 1 are provided in
2 Exhibit G2, Tab 2, Schedule 1. The currently approved rate schedules are provided in
3 Exhibit G2, Tab 3, Schedule 1. Rate schedules for subsequent years of the Custom COS
4 period will be produced as part of the annual process for setting rates, taking into account
5 any changes as a result of the annual adjustments discussed in Exhibit A, Tab 4, Schedule
6 2.

7 8 **2.0 RATE DESIGN PROCESS**

9
10 Generally accepted ratemaking principles guided Hydro One's development of rates for
11 this application. Those principles are best summarized by James Bonbright's, *Principles*
12 *of Public Utility Rates*. The OEB Staff's March 31, 2008 discussion paper *Rate Design*
13 *for Recovery of Electricity Distribution Costs* (EB-2007-0031), cited these principles and
14 summarized them as:

- 15
16 1) Full Cost Recovery – the level and design of rates should be sufficient to provide
17 distributors with a reasonable opportunity to recover its revenue requirement, and for
18 rates to be effective they should be practical, clear and uncontroversial
19 2) Fairness – customers should, in general, pay rates for distribution service that reflects
20 the costs they “cause” as determined by a Board approved cost allocation study
21 3) Efficiency – rates should encourage customers to maximize use of existing distribution
22 assets, and encourage existing and new customers to use the system in ways that lead
23 to rational growth
24

25 The R/C ratios for each rate class per Sheet O1 of the CAM, as well as information on the
26 monthly customer charge per Sheet O2 are the key inputs to the development of rates.
27 The O1 and O2 output sheets for each year of the Custom COS period are provided in
28 Exhibit G2, Tab 1, Schedules 2 to 6.

1 **3.0 FIXED VERSUS VOLUMETRIC CHARGES**

2
3 Hydro One is proposing to reset the fixed charge for all rate classes in 2015 to the
4 minimum system values calculated in Sheet O2 of the CAM, except as noted otherwise.
5 The Company believes a minimum system-based fixed charge appropriately recovers a
6 utility's costs associated with owning, operating and maintaining the assets required to
7 provide customers even a minimum amount of electricity. A fixed charge based on a
8 minimum system approach ensures consistency with the principles underlying the
9 Board's CAM which allocates the minimum system portion of a utility's costs to a rate
10 class in proportion to the number of customers within the class.

11
12 Hydro One customers across all rate classes have seen their fixed charges remain
13 essentially flat since 2008 due to the fact that the revenue increases over the 2008-2011
14 period were largely absorbed by increases to the volumetric charges. Since 2011 there
15 have been only small increases to the fixed charges as a result of uniformly applied IRM
16 increases.

17
18 Given how costs are allocated to rate classes, the currently approved fixed charge levels
19 place a disproportionate emphasis for collection of costs on the volumetric charge, which
20 Hydro One proposes to address in this current application.

21
22 Table 3 shows the current and proposed 2015 fixed and volumetric revenue shares. For
23 2016 to 2019 Hydro One will maintain the fixed and volumetric percentage splits
24 established in 2015 in order to provide stability in the revenue mix over the period.
25 Hydro One plans to reset the fixed/volumetric split at the start of the next COS period.

Table 3
Current and Proposed Fixed and Volumetric Revenue Split

Rate Class	Current (2014 rates)		Proposed (2015 rates)	
	Fixed	Volumetric	Fixed	Volumetric
UR	39%	61%	59%	41%
R1	39%	61%	48%	52%
R2	56%	44%	56%	44%
Seasonal	48%	52%	52%	48%
GSe	31%	69%	21%	79%
UGe	18%	82%	24%	76%
GSd	4%	96%	5%	95%
UGd	3%	97%	7%	93%
St Lgt	1%	99%	2%	98%
Sen Lgt	20%	80%	25%	75%
USL	68%	32%	78%	22%
DGen	27%	73%	75%	25%
ST	20%	80%	18%	82%

Table 4 compares the current and 2015 proposed monthly fixed charges with the 3 values calculated in Sheet O2 of the CAM.

Table 4

Current and 2015 Proposed Monthly Fixed Charges

Rate Class	Current (2014) Monthly Fixed Charge (\$/month)*	Proposed 2015 Monthly Fixed Charge (\$/month)*	CAMScenario1: Customer Unit Cost per Month - Avoided Cost	CAMScenario2: Customer Unit Cost per Month - Directly Related	CAMScenario3: Customer Unit Cost per Month - Min System with PLCC Adjustment
UR	12.72	20.29	7.94	10.07	20.29
R1	20.15	27.92	7.71	9.88	27.92
R2	29.11	37.99	8.51	11.01	50.59
Seasonal	19.71	26.78	7.56	9.42	51.54
GSe	35.92	28.96	16.65	20.94	28.96
UGe	10.2	22.48	19.73	24.35	22.48
GSd	52.27	82.14	58.73	75.59	82.14
UGd	28.71	84.4	66.40	83.03	84.40
St Lgt	1.47	4.01	3.00	4.01	23.39
Sen Lgt	1.5	2.42	1.78	2.42	18.10
USL	29.69	39.14	7.07	9.33	39.14
DGen	38.13	166.48	89.45	147.99	166.48
ST	294.97	453.27	324.30	431.43	618.24

* Fixed Charge shown for R2 class is net of RRRP Credit.

The R2 fixed charge has been set based on the currently approved 2014 charge escalated to reflect the proposed 2015 average increase in rates revenue requirement, as per the factor used to increase revenue at existing rates shown on Sheet O1 of the Board's CAM. The proposed fixed charge set using this approach results in the collection of 56% from fixed charges for the R2 class, which is equal to the currently approved fixed/variable split, but below the 71.3% fixed revenue share that existed in 2008. The proposed R2 fixed charge is within the range of values calculated by the CAM when the RRRP credit applicable to R2 customers is taken into consideration. The fixed charge for the Seasonal customer class is set to collect a fixed revenue share equivalent to the average of the R2 and R1 fixed revenue share, in recognition that Seasonal customers are located in both medium and low density zones. Hydro One does not propose adopting the minimum

1 system fixed charge for the Seasonal customer class as this would represent a 2.5 times
2 increase in the current fixed charge and would result in large rate impacts to the many
3 low consumption customers within the Seasonal rate class.

4
5 The fixed charges for the Streetlight and Sentinel light classes have been set at the CAM
6 Scenario 2 - Directly Related amount shown in Table 4. The proposed fixed charges
7 represent a substantial increase in the current value for these classes, but less than the 10
8 times increase that would result if the minimum system-based charge was adopted.

9
10 The minimum system fixed charge calculated by the CAM also provides the basis for
11 establishing the fixed charges for the ST rate class, as described in Section 4.0 of this
12 Exhibit.

13
14 For all classes, the volumetric rate was set to recover the balance of the revenue to be
15 collected from each rate class.

16 17 **4.0 CALCULATION OF SUB-TRANSMISSION (ST) RATES**

18 19 **4.1 Introduction**

20
21 The charges for the use of Common ST lines, High Voltage Distribution Stations
22 ("HVDS"), Low Voltage Distribution Stations ("LVDS"), Specific ST Line and Specific
23 Primary Line, were derived using the results of the CAM for each year of the Custom
24 COS period.

25
26 The methodology used in this application for the allocation of costs to the ST rate class,
27 as discussed in Exhibit G1, Tab 3, Schedule 1, as well as for the design of ST rates has
28 not changed from the methodology that was used in Hydro One's 2008 and 2010/11 COS

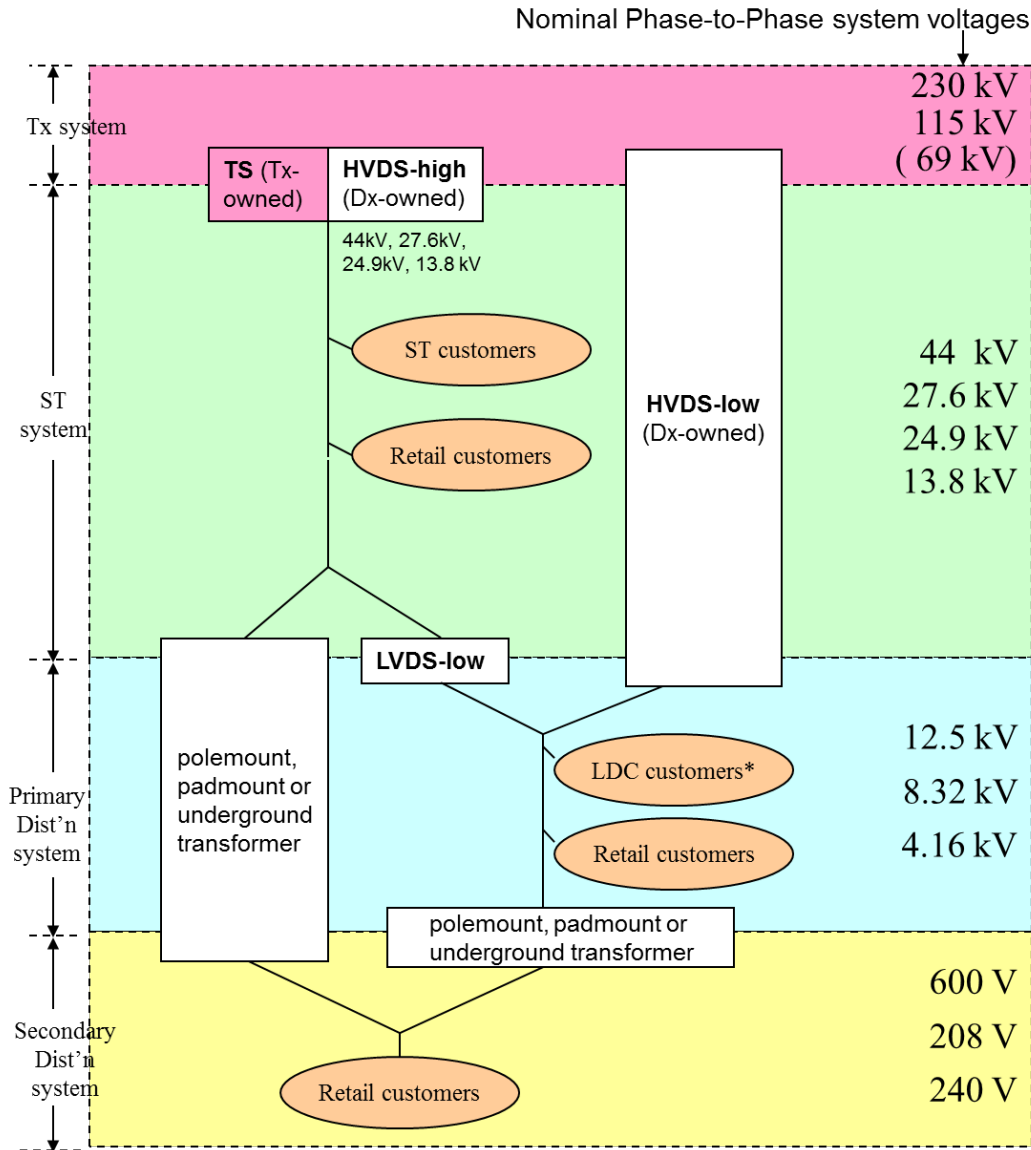
1 applications, EB-2007-0681 and EB-2009-0096, respectively. Unlike many other host
2 distributors, Hydro One has had approved ST rates applicable to its embedded
3 distributors since 2008. As such, embedded distributors have had the opportunity to
4 review the cost allocation and rate design of the rates applicable to them as part of the
5 regulatory approval process for Hydro One's last two COS applications.

6
7 The HVDS and Common ST line charges are billed to customers supplied from multiple
8 feeders connected to the same Transmission Station ("TS") or HVDS based on their
9 aggregated billing demand. The aggregation of billing demand is consistent with the
10 billing of Retail Transmission Service Rates ("RTSR") and was previously reviewed and
11 approved in Hydro One's 2008 and 2010/11 COS applications, EB-2007-0681 and EB-
12 2009-0096, respectively.

13
14 As previously reviewed and approved by the Board in Hydro One's 2008 and 2010/11
15 COS applications, EB-2007-0681 and EB-2009-0096, customers with load displacement
16 generation above 1 MW, or 2 MW for renewable generation, installed after October
17 1998, are billed ST volumetric charges on a gross load basis.

18
19 Figure 1 provides a simplified diagram of the basic elements of the distribution system
20 and its connection to the transmission system to assist in understanding the ST charges.

Figure 1
Distribution System



* The approved ST rate class includes some LDCs whose delivery points are supplied at voltages below 13.8kV.

4.2 Derivation of ST Rates

Table 5 shows the filed 2014 ST charges and the proposed 2015-2019 ST charges.

Table 5
Current and Proposed ST Charges

	Unit	Current	Proposed				
		2014	2015	2016	2017	2018	2019
Fixed Service Charge	\$/cust	294.97	453.27	441.11	424.34	428.35	431.09
Meter Charge	\$/meter	476.35	679.47	783.92	838.74	891.93	934.41
Common Line	\$/kW	0.68	1.1585	1.2945	1.3776	1.4722	1.5581
Specific ST Line	\$/km	647.16	974.2502	819.0278	862.8948	862.7608	873.5146
Specific Primary Line	\$/km	501.55	732.7370	615.9937	648.9862	648.8855	656.9735
HVDS-high	\$/kW	1.63	1.7038	1.7038	1.7038	1.7038	1.7038
HVDS-low	\$/kW	3.62	3.8319	3.3348	3.3823	3.4422	3.4399
LVDS-low	\$/kW	1.99	2.1281	1.6310	1.6785	1.7384	1.7361

4.2.1 Fixed Service Charge

Hydro One applies a monthly fixed service charge per delivery point where an ST customer uses Common ST lines or HVDS facilities. The fixed service charge is based on

1 the Minimum System with PLCC Adjustment value for the ST class from the O2 Sheet of
2 the CAM, adjusted to exclude low voltage meter costs allocated to the ST rate class.

3
4 *4.2.2 Meter rate for Hydro One Owned Meter*

5
6 Most of the customers in the ST group provide their own metering facilities. To reflect
7 this, Hydro One has an additional fixed charge, per metering facility, applicable to
8 customers for whom Hydro One provides metering facilities. The meter charge is set to
9 recover Hydro One's low voltage metering facility costs allocated to the ST rate class in
10 the CAM.

11
12 *4.2.3 Common ST Line Rate*

13
14 The CAM and rate design process determine the total rates revenue requirement to be
15 collected from the ST rate class, as shown in Exhibit G1, Tab 4, Schedule 2. The amount
16 that is not recovered through the other ST charges (i.e. fixed service, meter, HVDS-high,
17 HVDS-low, LVDS-low, Specific ST Line and Specific Primary Line) are recovered
18 through the Common ST Line charge. Common ST Line is a volumetric charge. Details
19 of the derivation of the Common ST Line rates are provided in Exhibit G1, Tab 4,
20 Schedule 3.

21
22 *4.2.4 HVDS-High Rate*

23
24 Customers in the ST class can obtain transformation from above 50 kV to a voltage
25 between 44 kV and 13.8 kV either through the use of an HVDS-high, or through a TS
26 owned by Hydro One Transmission. Customers that obtain supply through a TS are
27 charged RTSR – transformation. Therefore, for consistency purposes, the HVDS-high

1 rate is set equivalent to the RTSR – transformation rate adjusted for losses. HVDS-high
2 is a volumetric charge

3
4 *4.2.5 HVDS-low Rate*

5
6 HVDS-low stations transform power from above 50 kV to under 13.8 kV. Consistent
7 with the current rate structure, the HVDS-low rate is set to be the sum of the HVDS-high
8 rate and LVDS-low rate. This ensures that the rate for transformation from above 50kV
9 to below 13.8kV is equivalent for all delivery points, regardless of the type of upstream
10 transformation facilities used. HVDS-low is a volumetric charge.

11
12 *4.2.6 LVDS-low Rate*

13
14 LVDS-low stations transform power from above 13.8 kV to under 13.8 kV. The rate is
15 set to recover the LVDS-low portion of the costs attributable to distribution stations that
16 are allocated to the ST rate class, as determined by the the CAM. The ST LVDS-low
17 portion of the distribution stations costs is based on the gross book value of assets
18 associated with providing ST service from LVDS-low stations as a share of the total
19 LVDS station assets. LVDS-low is a volumetric charge. Details of the derivation of the
20 LVDS-low rate are provided in Exhibit G1, Tab 4, Schedule 3.

21
22 *4.2.7 Specific ST Line and Specific Primary Line Rates*

23
24 A line section is “specific” if it supplies solely one LDC and is within that LDC’s
25 territory. Specific ST lines are those between 44 kV and 13.8 kV, while Specific Primary
26 lines are between 12.5 kV and 4.16 kV.

1 The Specific ST line rate is set to the average per kilometer cost for all lines on Hydro
2 One's distribution system. The specific Primary line rate is adjusted for the relationship
3 in unit costs between the average distribution line cost and the cost of Primary lines.
4 Details of the derivation of the Specific ST line rates are provided in Exhibit G1, Tab 4,
5 Schedule 3.

6
7 Specific ST and Primary line rates are applied to the length of the specific line section
8 (km) rather than to demand (kW).

9
10 **4.2.8 Updating ST Charges Over the Custom COS Period**

11
12 As described in Exhibit G1, Tab 6, Schedule 1, RTSR rates will be updated as a part of
13 the annual draft rate orders prepared over the Custom COS period in the event new
14 Uniform Transmission Rates are approved for the corresponding year. Since the HVDS-
15 high charge is set at the same value as the approved RTSR-Transformation rate, and the
16 HVDS-low and Common ST line rates are in-turn impacted by the HVDS-high charge, it
17 is anticipated that these three ST rates will be updated as part of the draft rate order
18 associated with future years of the Custom COS period.

19
20 **4.3 Milton Hydro ST Charges**

21
22 In the Board's Decision on Proceeding EB-2007-0681, Hydro One was directed to bring
23 forward a rate specific to address Milton's circumstances in case Milton Hydro has not
24 purchased the two feeder connections to Palermo TS. The sale of these assets to Milton
25 Hydro had not been completed at the time of Hydro One's next COS application, EB-
26 2009-0096. At that time Hydro One noted that there were 30 other customers that have
27 similar circumstances to Milton's situation; that is, being supplied by feeders located
28 outside the customer's boundaries and supply only one customer.

1 Hydro One noted in EB-2009-0096 that if the Board were to approve the use of the
2 Specific ST Line, kilometer-based charge, for all customers in a similar situation to
3 Milton Hydro, there would be three LDCs and four Direct customers paying substantially
4 more as compared to their current billing determinants. In addition, the revenues
5 collected from all customers would be \$6.8 million lower than if they would be charged
6 on a per kW basis. The revenue shortfall would need to be recovered through higher
7 rates for the ST Common Line charge applicable to most ST customers. There were no
8 submissions on this issue and no change in the approach to charging for ST charges was
9 approved by the Board as part of EB-2009-0096.

10
11 The sale of the subject assets to Milton Hydro continues to be explored, but has not been
12 completed. Given the impacts of using the Specific ST Line rate for all customers in
13 Milton Hydro's situation, as described above, Hydro One proposes that no changes be
14 made to the current approach to ST charges described in this exhibit.

15 16 **5.0 REVENUE RECONCILIATION**

17
18 A reconciliation of the revenue at proposed rates and the revenue requirements by rate
19 class, as per the requirements of Appendix 2-V of the Board's Filing Requirements, are
20 provided in Exhibit G2, Tab 1, Schedule 8.

21 22 **6.0 TRANSFORMER COST ALLOWANCE**

23
24 There are circumstances under which Hydro One does not supply customers with
25 transformation equipment, but rather the customer provides its own equipment. This
26 occurs usually when the customer has unique consumption characteristics that require the
27 use of special equipment not usually provided by Hydro One. Since the rates developed
28 for most customer classes assume that Hydro One provides transformation to the

customer, customers in classes that provide their own transformation are entitled to receive a credit equivalent to the costs of transformation included in their rates.

The transformation allowance was set previously on a generic basis for LDCs throughout the province. Hydro One is proposing to maintain its currently approved Transformer Ownership Allowance at the previously established rate of \$0.60/kW. Some customers that provide their own transformation are energy billed, therefore, in order to be able to provide these customers with a Transformer Ownership Allowance, an equivalent 0.14 ¢/kWh rate previously approved will be maintained. The proposed Transformer Ownership Allowance will also apply to single-phase customers that provide their own transformation equipment.

The projected cost of the Customer Supplied Transformer Allowance (“CSTA”) credit results in the rate adders shown in Table 6, which are included in the volumetric rates shown on the proposed rate schedules in Exhibit G2, Tab 2, Schedule 1 for the GSd, UGd and DGen rate classes.

Table 6
CSTA Rate Adders

Year	CSTA Credit Amount (\$)	Rate Adder for CSTA (\$/kW)
2015	1,116,854	0.0977
2016	1,126,091	0.0984
2017	1,128,759	0.0988
2018	1,124,337	0.0992
2019	1,124,605	0.0995

7.0 HOPPER FOUNDRY RATE ADJUSTMENT

In accordance with the Board's Decision in Hydro One's cost-of-service application EB-2007-0681, Hydro One continues to levy the General Service Demand rates applicable to Hopper Foundry using monthly kW billing determinants determined on a time-of-use basis. As a result of using this approach, Hydro One will collect less revenue from Hopper Foundry in each year of the Custom COS period. The lost revenue amounts and associated adder to be included in the GSd rate schedules shown in Exhibit G2, Tab 2, Schedule 1 are provided in Table 7.

Table 7
Hopper Foundry Rate Adders

Year	Lost Revenue Amount (\$)	Hopper Foundry Rate Adder (\$/kW)
2015	96,892	0.0117
2016	105,565	0.0127
2017	118,827	0.0144
2018	134,454	0.0164
2019	149,351	0.0183

8.0 BILLING DETERMINANTS

Hydro One is not proposing any changes to the type of billing determinants currently approved for its customer classes. Customers will continue to be billed a monthly fixed charge and a kWh or kW volumetric charge. For the Streetlight, Sentinel light and

1 Unmetered Scattered Load classes, customers will continue to be charged a monthly per
2 account service charge and a volumetric charge based on estimated kWh.

3
4 **9.0 STANDBY RATES**

5
6 Hydro One's currently approved standby rate consist of a monthly administration charge,
7 as described in Exhibit G2, Tab 5, Schedule 1, however there are no load displacement
8 generation customers to which the monthly administration charge is applied.

9
10 The Board is currently undertaking a consultation process on the development of Standby
11 Rates Policy for load displacement generation customers (Proceeding EB-2013-0004).

DERIVATION OF RETAIL RATES

1
2
3
4
5
6
7
8

- Attachment 1: Rate Design 2015
- Attachment 2: Rate Design 2016
- Attachment 3: Rate Design 2017
- Attachment 4: Rate Design 2018
- Attachment 5: Rate Design 2019

2015 Rate Design

2015 Rate Design				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	Allocated Cost	Misc Revenue	Revenue from Rates	2013 R/C Ratio	R/C Ratio from the CAM	Target 2015 R/C Ratio	Total revenue to be collected	Shift in Revenue	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (¢/kWh)	Volumetric Charge (\$/kW)	% Fixed Revenue
UR	209,756	1,965	-	\$ 102,218,613	\$ 78,800,340	\$ 4,404,326	\$ 97,814,287	1.15	1.30	1.15	\$ 90,620,391	\$(11,598,222)	-12%	20.29	\$ 51,060,802	\$ 35,155,264	1.789		59%
R1	438,731	4,966	-	\$ 338,540,457	\$ 274,463,567	\$ 12,253,737	\$ 326,286,720	1.06	1.23	1.15	\$ 315,633,102	\$(22,907,355)	-7%	27.92	\$ 146,981,097	\$ 156,398,268	3.149		48%
R2	335,388	4,848	-	\$ 506,002,299	\$ 539,924,684	\$ 15,686,961	\$ 490,315,338	0.93	0.94	0.94	\$ 507,139,214	\$ 1,136,916	0%	68.49	\$ 275,660,225	\$ 215,792,029	4.451		56%
Seasonal	143,814	450	-	\$ 87,332,894	\$ 97,313,038	\$ 2,985,901	\$ 84,346,993	1.15	0.90	0.94	\$ 91,403,966	\$ 4,071,072	5%	26.78	\$ 46,215,637	\$ 42,202,428	9.378		52%
GSe	93,605	2,211	-	\$ 158,295,077	\$ 154,232,565	\$ 4,517,130	\$ 153,777,947	1.05	1.03	1.03	\$ 158,295,077	\$ -	0%	28.96	\$ 32,526,857	\$ 121,251,090	5.484		21%
GSd	6,119	2,421	8,248,059	\$ 119,101,074	\$ 137,004,790	\$ 2,423,786	\$ 116,677,288	0.93	0.87	0.94	\$ 128,685,544	\$ 9,584,470	8%	82.14	\$ 6,031,569	\$ 120,230,188	4.966	14.577	5%
UGe	17,786	608	-	\$ 15,416,572	\$ 21,741,417	\$ 645,969	\$ 14,770,603	1.20	0.71	0.94	\$ 20,421,228	\$ 5,004,656	34%	22.48	\$ 4,798,937	\$ 14,976,322	2.461		24%
UGd	1,903	1,075	2,973,431	\$ 25,697,098	\$ 28,892,648	\$ 401,409	\$ 25,295,689	1.20	0.89	0.94	\$ 27,138,220	\$ 1,441,122	6%	84.40	\$ 1,927,449	\$ 24,809,362	2.307	8.344	7%
St Lgt	4,888	124	-	\$ 11,116,982	\$ 12,570,851	\$ 310,416	\$ 10,806,566	0.93	0.88	0.94	\$ 11,807,520	\$ 690,538	6%	4.01	\$ 235,424	\$ 11,261,680	9.116		2%
Sen Lgt	30,040	22	-	\$ 6,454,934	\$ 7,704,253	\$ 3,223,823	\$ 3,231,111	0.93	0.84	0.87	\$ 6,704,798	\$ 249,864	8%	2.42	\$ 872,061	\$ 2,608,913	11.967		25%
USL	5,647	24	-	\$ 3,642,674	\$ 2,914,594	\$ 103,366	\$ 3,539,309	NA	1.25	1.20	\$ 3,497,513	\$(145,161)	-4%	39.14	\$ 2,652,506	\$ 741,641	3.094		78%
DGen	1,011	21	208,653	\$ 2,132,265	\$ 5,555,798	\$ 106,026	\$ 2,026,239	1.00	0.38	0.51	\$ 2,816,972	\$ 684,707	34%	166.48	\$ 2,019,735	\$ 691,211	3.275	3.313	75%
ST	811	15,955	29,377,885	\$ 35,313,917	\$ 50,146,310	\$ 946,089	\$ 34,367,828	1.01	0.70	0.94	\$ 47,101,311	\$ 11,787,394	34%	863.99	\$ 8,404,423	\$ 37,750,799	0.237	1.285	18%
Total	1,289,499	34,691	40,808,029	\$ 1,411,264,855	\$ 1,411,264,855	\$ 48,008,939	\$ 1,363,255,917				\$ 1,411,264,855	\$ (0)			\$ 579,386,721	\$ 783,869,195			

Target R/C ratio: 1 (Phase in over 5 years)

Sen Lgt 0.87

DGen 0.51

Total Rev \$ 1,363,255,917

Misc Rev \$ 48,008,939

Total Rev Req \$ 1,411,264,855

2015 Revenue at 2014 rates \$ 1,146,646,325

18.8907%

2016 Rate Design

2016 Rate Design																										
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 Revenue	Revenue from Rates	2015 R/C Ratio	R/C Ratio from the CAM	Target 2016 R/C Ratio	Total revenue to be collected	Shift in Revenue	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (¢/kWh)	Volumetric Charge (\$/kW)	% Fixed Revenue %								
UR		212,050	1,979	-	\$ 97,671,349	\$ 82,896,715	\$ 4,455,771	\$ 93,215,578	1.15	1.18		1.13	\$ 93,977,691	\$(3,693,659)	-4%	\$ 20.84	\$ 53,018,669	\$ 36,503,251	1.845	59%						
R1		444,625	5,019	-	\$ 341,324,170	\$ 294,655,153	\$12,506,196	\$ 328,817,975	1.15	1.16		1.13	\$ 334,042,319	\$(7,281,852)	-2%	\$ 29.20	\$ 155,777,675	\$ 165,758,448	3.303	48%						
R2		338,265	4,834	-	\$ 544,148,688	\$ 581,477,035	\$16,059,092	\$ 528,089,597	0.94	0.94		0.95	\$ 549,779,371	\$ 5,630,683	1%	\$ 73.75	\$ 299,368,761	\$ 234,351,518	4.848	56%						
Seasonal		144,433	446	-	\$ 97,566,264	\$ 103,615,042	\$ 3,045,571	\$ 94,520,693	0.94	0.94		0.95	\$ 97,966,745	\$ 400,481	0%	\$ 28.63	\$ 49,614,777	\$ 45,306,398	10.154	52%						
GSe		93,948	2,194	-	\$ 168,264,934	\$ 163,937,872	\$ 4,559,787	\$ 163,705,147	1.03	1.03		1.03	\$ 168,264,934	\$ -	0%	\$ 30.71	\$ 34,626,642	\$ 129,078,505	5.884	21%						
GSd		6,207	2,424	8,258,870	\$ 137,937,513	\$ 148,909,611	\$ 2,467,250	\$ 135,470,263	0.94	0.93		0.95	\$ 140,792,202	\$ 2,854,689	2%	\$ 88.72	\$ 6,607,832	\$ 131,717,120	5.434	15.949	5%					
UGe		17,838	606	-	\$ 21,751,899	\$ 22,961,882	\$ 646,595	\$ 21,105,305	0.94	0.95		0.95	\$ 21,710,176	\$ (41,723)	0%	\$ 23.88	\$ 5,111,579	\$ 15,952,003	2.634	24%						
UGd		1,910	1,071	2,961,478	\$ 28,934,285	\$ 31,178,430	\$ 402,142	\$ 28,532,143	0.94	0.93		0.95	\$ 29,478,821	\$ 544,536	2%	\$ 91.46	\$ 2,096,129	\$ 26,980,550	2.519	9.111	7%					
St Lgt		4,935	125	-	\$ 12,768,901	\$ 13,707,704	\$ 316,016	\$ 12,452,885	0.94	0.93		0.95	\$ 12,960,466	\$ 191,565	2%	\$ 4.37	\$ 258,918	\$ 12,385,531	9.916	2%						
Sen Lgt		29,891	22	-	\$ 6,938,222	\$ 8,152,282	\$ 3,183,271	\$ 3,754,951	0.87	0.85		0.89	\$ 7,241,737	\$ 303,515	8%	\$ 2.83	\$ 1,016,736	\$ 3,041,730	13.800	25%						
USL		5,700	24	-	\$ 3,771,817	\$ 3,111,812	\$ 102,712	\$ 3,669,105	1.20	1.21		1.13	\$ 3,527,774	\$ (244,043)	-7%	\$ 39.13	\$ 2,676,666	\$ 748,397	3.088	78%						
DGen		1,291	23	227,151	\$ 3,691,813	\$ 6,640,807	\$ 124,133	\$ 3,567,680	0.51	0.56		0.67	\$ 4,429,061	\$ 737,249	21%	\$ 207.03	\$ 3,207,298	\$ 1,097,630	4.777	4.832	75%					
ST		817	15,908	29,194,091	\$ 50,167,877	\$ 53,693,386	\$ 948,054	\$ 49,219,823	0.94	0.93		0.95	\$ 50,766,435	\$ 598,557	1%	\$ 925.24	\$ 9,071,449	\$ 40,746,932	0.256	1.396	18%					
Total												1,301,910	34,674	40,641,590	\$ 1,514,937,732	\$ 1,514,937,732	\$ 48,816,588	\$ 1,466,121,144			\$ 1,514,937,732	\$ (0)	\$ 622,453,131	\$ 843,668,013		
														Target R/C ratio: 1 (Phase in over 4 years)				Total Rev	\$ 1,466,121,144							
																Misc Rev	\$ 48,816,588									
																Total Rev Req	\$ 1,514,937,732									
																		2016 Revenue at 2015 rates	\$ 1,369,102,096							
																				7.0863%						

2017 Rate Design

Rate Design

Filed: 2013-12-19
EB-2013-0416
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Attachment 3
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				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					
				Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2016 R/C Ratio	R/C Ratio from the CAM	Target 2017 R/C Ratio	Total revenue to be collected	Shift in Revenue	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (¢/kWh)	Volumetric Charge (\$/kW)	% Fixed Revenue		
UR		214,344	1,986	-	\$ 97,851,656	\$ 85,170,959	\$ 4,552,227	\$ 93,299,429	1.13	1.15		1.10	\$ 93,624,757	\$ (4,226,899)	-5%	20.51	\$ 52,752,521	\$ 36,320,009	1.828		59%
R1		450,575	5,058	-	\$ 348,937,615	\$ 305,531,147	\$12,802,233	\$ 336,135,382	1.13	1.14		1.10	\$ 335,857,197	\$(13,080,418)	-4%	28.95	\$ 156,513,522	\$ 166,541,442	3.292		48%
R2		341,097	4,808	-	\$ 570,033,281	\$ 597,833,655	\$16,325,389	\$ 553,707,893	0.95	0.95		0.96	\$ 574,234,012	\$ 4,200,730	1%	76.45	\$ 312,936,232	\$ 244,972,391	5.095		56%
Seasonal		145,020	441	-	\$ 100,981,516	\$ 106,231,775	\$ 3,087,942	\$ 97,893,574	0.95	0.95		0.96	\$ 102,038,247	\$ 1,056,731	1%	29.72	\$ 51,720,781	\$ 47,229,524	10.708		52%
GSe		94,269	2,171	-	\$ 172,671,240	\$ 170,499,387	\$ 4,636,635	\$ 168,034,605	1.03	1.01		1.01	\$ 172,671,240	\$ -	0%	31.42	\$ 35,542,402	\$ 132,492,203	6.104		21%
GSd		6,294	2,421	8,247,045	\$ 145,581,774	\$ 159,420,657	\$ 2,529,295	\$ 143,052,479	0.95	0.91		0.96	\$ 153,127,483	\$ 7,545,709	5%	95.25	\$ 7,194,129	\$ 143,404,059	5.924	17.389	5%
UGe		17,887	601	-	\$ 22,320,128	\$ 23,998,564	\$ 657,060	\$ 21,663,068	0.95	0.93		0.96	\$ 23,051,214	\$ 731,086	3%	25.32	\$ 5,434,474	\$ 16,959,680	2.822		24%
UGd		1,916	1,064	2,941,614	\$ 30,319,695	\$ 33,200,076	\$ 408,341	\$ 29,911,355	0.95	0.91		0.96	\$ 31,889,495	\$ 1,569,799	5%	98.68	\$ 2,269,467	\$ 29,211,687	2.746	9.930	7%
St Lgt		4,983	126	-	\$ 13,520,102	\$ 14,411,400	\$ 320,681	\$ 13,199,421	0.95	0.94		0.96	\$ 13,842,506	\$ 322,403	2%	4.63	\$ 276,884	\$ 13,244,940	10.517		2%
Sen Lgt		29,730	22	-	\$ 7,359,665	\$ 8,325,004	\$ 3,140,813	\$ 4,218,852	0.89	0.88		0.92	\$ 7,681,444	\$ 321,780	8%	3.19	\$ 1,137,529	\$ 3,403,103	15.312		25%
USL		5,745	24	-	\$ 3,676,332	\$ 3,223,534	\$ 103,192	\$ 3,573,140	1.13	1.14		1.10	\$ 3,543,492	\$ (132,840)	-4%	39.00	\$ 2,688,574	\$ 751,726	3.076		78%
DGen		1,526	24	238,095	\$ 5,257,668	\$ 7,539,338	\$ 143,599	\$ 5,114,069	0.67	0.70		0.80	\$ 6,018,225	\$ 760,557	15%	239.01	\$ 4,376,770	\$ 1,497,856	6.219	6.291	75%
ST		823	15,837	29,126,587	\$ 52,449,218	\$ 55,574,394	\$ 956,425	\$ 51,492,793	0.95	0.94		0.96	\$ 53,380,580	\$ 931,362	2%	966.15	\$ 9,545,935	\$ 42,878,219	0.271	1.472	18%
Total				1,314,209	34,584	40,553,341	\$ 1,570,959,891	\$ 1,570,959,891	\$49,663,833	\$ 1,521,296,058			\$ 1,570,959,891	\$ 0			\$ 642,389,220	\$ 878,906,839			
Target R/C ratio: 1 (Phase in over 3 years)																Total Rev	\$ 1,521,296,059				
																Misc Rev	\$ 49,663,833				
																Total Rev Req	\$ 1,570,959,891				
																2017 Revenue at 2016 rates	\$ 1,470,008,469				
																		3.4889%			

2018 Rate Design

				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			
				Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2017 R/C Ratio	R/C Ratio from the CAM	Target 2018 R/C Ratio	Total revenue to be collected	Shift in Revenue	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (¢/kWh)	Volumetric Charge (\$/kW)	% Fixed Revenue
UR		216,595	1,982	-	\$ 96,808,339	\$ 4,456,754	\$ 92,351,584	1.10	1.11	1.06	\$ 91,934,358	\$ (4,873,981)	-5%	19.93	\$ 51,807,938	\$ 35,669,666	1.799		59%
R1		456,466	5,067	-	\$ 347,828,491	\$ 12,509,854	\$ 335,318,637	1.10	1.11	1.06	\$ 332,021,688	\$ (15,806,802)	-5%	28.26	\$ 154,796,948	\$ 164,714,886	3.251		48%
R2		343,819	4,751	-	\$ 590,841,651	\$ 15,894,351	\$ 574,947,299	0.96	0.97	0.98	\$ 596,920,911	\$ 6,079,260	1%	78.99	\$ 325,903,302	\$ 255,123,258	5.369		56%
Seasonal		145,560	433	-	\$ 104,354,241	\$ 3,011,367	\$ 101,342,874	0.96	0.97	0.98	\$ 105,156,348	\$ 802,106	1%	30.57	\$ 53,390,620	\$ 48,754,360	11.254		52%
GSe		94,559	2,134	-	\$ 175,487,628	\$ 4,529,891	\$ 170,957,737	1.01	1.01	1.01	\$ 175,487,628	\$ -	0%	31.87	\$ 36,160,698	\$ 134,797,039	6.316		21%
GSd		6,380	2,402	8,184,523	\$ 156,728,313	\$ 2,504,474	\$ 154,223,839	0.96	0.93	0.98	\$ 165,353,355	\$ 8,625,041	6%	101.62	\$ 7,779,349	\$ 155,069,531	6.455	18.947	5%
UGe		17,932	593	-	\$ 23,502,227	\$ 646,777	\$ 22,855,450	0.96	0.95	0.98	\$ 24,287,067	\$ 784,840	3%	26.66	\$ 5,736,879	\$ 17,903,411	3.019		24%
UGd		1,923	1,050	2,904,780	\$ 32,492,547	\$ 409,766	\$ 32,082,781	0.96	0.93	0.98	\$ 34,246,257	\$ 1,753,710	5%	105.72	\$ 2,439,263	\$ 31,397,228	2.989	10.809	7%
St Lgt		5,029	126	-	\$ 14,293,495	\$ 319,786	\$ 13,973,709	0.96	0.96	0.98	\$ 14,547,634	\$ 254,139	2%	4.83	\$ 291,341	\$ 13,936,506	11.043		2%
Sen Lgt		29,575	22	-	\$ 7,775,486	\$ 3,093,654	\$ 4,681,832	0.92	0.93	0.96	\$ 8,088,631	\$ 313,145	7%	3.53	\$ 1,251,353	\$ 3,743,625	16.810		25%
USL		5,780	24	-	\$ 3,669,551	\$ 103,606	\$ 3,565,945	1.10	1.11	1.06	\$ 3,476,190	\$ (193,361)	-5%	38.00	\$ 2,635,654	\$ 736,930	3.010		78%
DGen		1,720	25	247,078	\$ 6,849,788	\$ 162,123	\$ 6,687,665	0.80	0.82	0.91	\$ 7,579,707	\$ 729,919	11%	267.75	\$ 5,526,319	\$ 1,891,265	7.567	7.655	75%
ST		829	15,720	28,915,291	\$ 54,699,338	\$ 946,306	\$ 53,753,032	0.96	0.95	0.98	\$ 56,231,322	\$ 1,531,984	3%	1,011.39	\$ 10,066,871	\$ 45,218,145	0.288	1.564	18%
Total				1,326,167	34,332	40,251,672	\$ 1,615,331,096	\$ 1,615,331,096	\$ 48,588,711	\$ 1,566,742,385	\$ 1,615,331,096	\$ 0			\$ 657,786,534	\$ 908,955,850			
Target R/C ratio: 1 (Phase in over 2 years)																Total Rev	\$ 1,566,742,385		
																Misc Rev	\$ 48,588,711		
																Total Rev Req	\$ 1,615,331,096		
																2018 Revenue at 2017 rates	\$ 1,519,856,787		
																	3.0849%		

2019 Rate Design

Rate Design

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EB-2013-0416
Exhibit G1-4-2
Attachment 5
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				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			
				Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2018 R/C Ratio	R/C Ratio from the CAM	Target 2019 R/C Ratio	Total revenue to be collected	Shift in Revenue	% Change in revenue from rates	Fixed Charge (\$/month)	Revenue from Fixed Charge	Revenue from Volumetric Charge	Volumetric Charge (¢/kWh)	Volumetric Charge (\$/kW)	% Fixed Revenue
UR	218,777	1,988	-	\$ 95,306,404	\$ 89,482,887	\$ 4,520,949	\$ 90,785,455	1.06	1.07	1.02	\$ 91,272,545	\$ (4,033,859)	-4%	19.57	\$ 51,377,965	\$ 35,373,630	1.779		59%
R1	462,189	5,101	-	\$ 344,989,533	\$ 325,438,899	\$ 12,691,159	\$ 332,298,373	1.06	1.06	1.02	\$ 331,947,677	\$ (13,041,856)	-4%	27.89	\$ 154,673,253	\$ 164,583,265	3.227		48%
R2	346,430	4,719	-	\$ 615,452,250	\$ 627,126,359	\$ 16,015,559	\$ 599,436,692	0.98	0.98	0.99	\$ 621,792,962	\$ 6,340,712	1%	81.74	\$ 339,786,285	\$ 265,991,119	5.637		56%
Seasonal	146,063	428	-	\$ 107,793,630	\$ 109,745,486	\$ 3,028,674	\$ 104,764,955	0.98	0.98	0.99	\$ 108,812,155	\$ 1,018,526	1%	31.55	\$ 55,292,445	\$ 50,491,036	11.810		52%
GSe	94,827	2,109	-	\$ 179,232,849	\$ 178,506,435	\$ 4,553,231	\$ 174,679,618	1.01	1.00	1.00	\$ 179,232,849	\$ -	0%	32.47	\$ 36,947,944	\$ 137,731,674	6.532		21%
GSd	6,463	2,396	8,162,219	\$ 169,994,665	\$ 177,648,555	\$ 2,531,257	\$ 167,463,407	0.98	0.96	0.99	\$ 176,137,742	\$ 6,143,078	4%	106.94	\$ 8,293,244	\$ 165,313,241	6.900	20.253	5%
UGe	17,974	588	-	\$ 24,872,399	\$ 25,592,334	\$ 651,932	\$ 24,220,467	0.98	0.97	0.99	\$ 25,374,684	\$ 502,285	2%	27.82	\$ 5,999,564	\$ 18,723,188	3.184		24%
UGd	1,929	1,042	2,882,415	\$ 35,034,472	\$ 36,594,657	\$ 411,984	\$ 34,622,488	0.98	0.96	0.99	\$ 36,283,438	\$ 1,248,966	4%	111.74	\$ 2,585,963	\$ 33,285,491	3.193	11.548	7%
St Lgt	5,074	127	-	\$ 15,079,008	\$ 15,404,291	\$ 321,946	\$ 14,757,062	0.98	0.98	0.99	\$ 15,273,285	\$ 194,277	1%	5.03	\$ 306,156	\$ 14,645,183	11.526		2%
Sen Lgt	29,411	22	-	\$ 8,217,571	\$ 8,520,956	\$ 3,050,055	\$ 5,167,516	0.96	0.96	0.99	\$ 8,448,490	\$ 230,919	4%	3.83	\$ 1,352,428	\$ 4,046,007	18.044		25%
USL	5,828	25	-	\$ 3,607,245	\$ 3,390,083	\$ 104,467	\$ 3,502,778	1.06	1.06	1.02	\$ 3,457,884	\$ (149,361)	-4%	37.47	\$ 2,620,676	\$ 732,742	2.972		78%
DGen	1,909	26	255,585	\$ 8,515,952	\$ 9,050,529	\$ 180,300	\$ 8,335,652	0.91	0.94	0.99	\$ 8,973,559	\$ 457,607	5%	285.98	\$ 6,551,237	\$ 2,242,022	8.671	8.772	75%
ST	835	15,673	28,874,041	\$ 57,879,971	\$ 59,474,479	\$ 954,764	\$ 56,925,208	0.98	0.97	0.99	\$ 58,968,678	\$ 1,088,706	2%	1,053.88	\$ 10,563,777	\$ 47,450,137	0.303	1.643	18%
Total				1,337,709	34,242	40,174,260	\$ 1,665,975,948	\$ 1,665,975,948	\$ 49,016,278	\$ 1,616,959,671	\$ 1,665,975,948	\$ (0)		\$ 676,350,935	\$ 940,608,736				
															Total Rev	\$ 1,616,959,671			
															Misc Rev	\$ 49,016,278			
															Total Rev Req	\$ 1,665,975,948			
															2019 Revenue at 2018 rates	\$ 1,569,305,970			
																	3.0366%		

Phase-in Complete

DERIVATION OF SUB TRANSMISSION RATES

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Common Line Rate Calculation

ST Revenue Components	2015			2016			2017			2018			2019		
	Billing Quantity (Annual)	Proposed Rates	Revenue (Annual)	Billing Quantity (Annual)	Proposed Rates	Revenue (Annual)	Billing Quantity (Annual)	Proposed Rates	Revenue (Annual)	Billing Quantity (Annual)	Proposed Rates	Revenue (Annual)	Billing Quantity (Annual)	Proposed Rates	Revenue (Annual)
HVDS-high	413,366	1.7038	704,292	411,255	1.7038	700,696	411,523	1.7038	701,153	408,545	1.7038	696,079	408,289	1.7038	695,643
HVDS-low	30,714	3.8319	117,695	30,314	3.3348	101,090	30,094	3.3823	101,788	29,736	3.4422	102,359	29,545	3.4399	101,631
LVDS-low	858,486	2.1281	1,826,944	853,805	1.6310	1,392,534	849,254	1.6785	1,425,457	841,525	1.7384	1,462,911	838,509	1.7361	1,455,748
Specific ST lines	1,096	974.2502	1,068,219	1,096	819.0278	898,025	1,096	862.8948	946,123	1,096	862.7608	945,976	1,096	873.5146	957,767
Specific Primary lines	-	732.7370	-	-	615.9937	-	-	648.9862	-	-	648.8855	-	-	656.9735	-
Fixed Rate	9,727	453.27	4,409,139	9,804	441.11	4,324,863	9,880	424.34	4,192,613	9,954	428.35	4,263,596	10,024	431.09	4,321,107
Meter Charge	5,880	679.47	3,995,284	5,880	783.92	4,609,450	5,880	838.74	4,931,791	5,880	891.93	5,244,548	5,880	934.41	5,494,331
Total revenue collected from ST charges above			\$ 12,121,572			\$ 12,026,657			\$ 12,298,925			\$ 12,715,469			\$ 13,026,227
Total revenue to be collected from ST class after R/C adjustment per Rate Design Sheet			\$ 46,155,221			\$ 49,818,381			\$ 52,424,154			\$ 55,285,016			\$ 58,013,914
ST Common Line Revenue Requirement			\$ 34,033,649			\$ 37,791,724			\$ 40,125,229			\$ 42,569,547			\$ 44,987,687
ST Common Line Charge Determinant (kW)	29,377,885			29,194,091			29,126,587			28,915,291			28,874,041		
ST Common Line Charge (\$/kW)		\$ 1.1585			\$ 1.2945			\$ 1.3776			\$ 1.4722			\$ 1.5581	

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EB-2013-0416

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LVDS-Low Rate Calculation

A ST share of LVDS-low station gross fixed assets (per 2012 YE data) \$ 5,982,710

B Gross Fixed Assets of all Distribution plant (per CAM Sheet O6)
C=A/B ST LVDS-low station gross fixed assets as share of all Distribution assets

2015	2016	2017	2018	2019
\$331,093,386	\$347,018,024	\$364,982,542	\$388,611,122	\$412,124,430
1.81%	1.72%	1.64%	1.54%	1.45%

		2015		2016		2017		2018		2019	
Per CAM Sheet O4		D	DxC	E	ExC	F	FxC	G	GxC	H	HxC
USoA	Account	ST Total	LVDS Low Portion	ST Total	LVDS Low Portion	ST Total	LVDS Low Portion	ST Total	LVDS Low Portion	ST Total	LVDS Low Portion
5005	Operation Supervision and Engineering	\$ 100,726	\$ 1,820	\$ 101,014	\$ 1,742	\$ 102,663	\$ 1,683	\$ 104,385	\$ 1,607	\$ 106,335	\$ 1,544
5012	Station Buildings and Fixtures Expense (not applicable To LVDS low)										
5016*	Distribution Station Equipment - Operation Labour	\$ 161,440	\$ 161,440	\$ 163,707	\$ 163,707	\$ 168,953	\$ 168,953	\$ 173,444	\$ 173,444	\$ 173,622	\$ 173,622
5017*	Distribution Station Equipment - Operation Supplies and Expen	\$ 53,214	\$ 53,214	\$ 53,962	\$ 53,962	\$ 55,692	\$ 55,692	\$ 57,172	\$ 57,172	\$ 57,233	\$ 57,233
5105	Maintenance Supervision and Engineering	\$ 348,206	\$ 6,292	\$ 400,549	\$ 6,906	\$ 405,497	\$ 6,647	\$ 379,092	\$ 5,836	\$ 369,244	\$ 5,360
5110	Maintenance of Buildings and Fixtures - Distribution Stations	\$ 140,554	\$ 140,554	\$ 140,817	\$ 140,817	\$ 142,655	\$ 142,655	\$ 145,336	\$ 145,336	\$ 144,266	\$ 144,266
5114*	Maintenance of Distribution Station Equipment	\$ 417,627	\$ 417,627	\$ 422,474	\$ 422,474	\$ 434,726	\$ 434,726	\$ 447,950	\$ 447,950	\$ 454,309	\$ 454,309
5405 to 5680	25 General Admin. Acc'ts (12 non-zero)	\$ 4,702,449	\$ 84,971	\$ 4,722,091	\$ 81,410	\$ 4,691,261	\$ 76,898	\$ 4,698,105	\$ 72,328	\$ 4,708,267	\$ 68,349
	Other ("NIDIT") "expenses"										
3046	Net Inc (Balance Transferred From Income)	\$ 8,712,932	\$ 157,439	\$ 9,398,441	\$ 162,032	\$10,145,025	\$ 166,295	\$10,925,666	\$ 168,202	\$11,616,371	\$ 168,632
5705	Amortization Expense - Property, Plant, and Equipment	\$10,114,029	\$ 182,756	\$10,558,229	\$ 182,028	\$11,186,388	\$ 183,365	\$11,897,155	\$ 183,158	\$12,555,072	\$ 182,259
6005	Interest on Long Term Debt	\$ 6,448,448	\$ 116,521	\$ 7,002,624	\$ 120,728	\$ 7,591,224	\$ 124,434	\$ 8,349,478	\$ 128,541	\$ 9,221,465	\$ 133,866
6105	Taxes Other Than Income Taxes	\$ 163,397	\$ 2,953	\$ 169,989	\$ 2,931	\$ 176,894	\$ 2,900	\$ 184,975	\$ 2,848	\$ 192,798	\$ 2,799
6110	Income Taxes	\$ 1,925,591	\$ 34,795	\$ 2,150,008	\$ 37,067	\$ 2,189,261	\$ 35,886	\$ 2,335,184	\$ 35,950	\$ 2,493,052	\$ 36,191
	Annual LVDS Low Revenue Requirement per CAM		\$ 1,360,381		\$ 1,375,803		\$ 1,400,133		\$ 1,422,373		\$ 1,428,429
	Annual LVDS Low Revenue Requirement after R/C adjustment										
	per Rate Design Sheet		\$ 1,826,976		\$ 1,392,537		\$ 1,425,440		\$ 1,462,935		\$ 1,455,765
	Annual Forecast LVDS Low Charge Determinant (kW)		858,486		853,805		849,254		841,525		838,509
	Proposed LVDS Low Rate (\$/kW)		\$ 2.1281		\$ 1.6310		\$ 1.6785		\$ 1.7384		\$ 1.7361

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

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Specific Line Rates Calculation

A Relative unit line costs (Primary to ST) 75.2%

Total Line Lengths (actual kms year end 2012)

44 kV to 13.8 kV inclusive 27,098
12.5 to 4.16 kV inclusive 91,502

Total kms of 50kV-to-4.16kV line 118,599

B Total weighted kms of 50kV-4.16kV line 95,916

	2015		2016		2017		2018		2019	
<u>CAM O4 Summary by Class and Accounts</u>	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines
Costs: di Lines - 50kV to 750V	\$ 227,580,896	\$ 227,580,896	\$ 262,322,535	\$ 262,322,535	\$ 266,460,007	\$ 266,460,007	\$ 249,571,448	\$ 249,571,448	\$ 243,662,003	\$ 243,662,003
Costs: di General + di Remainder	\$ 72,162,379		\$ 79,216,855		\$ 77,566,372		\$ 82,608,667		\$ 81,639,270	
Costs: cu group (excluding customer premise costs)	\$ 69,222,385		\$ 68,911,065		\$ 69,215,997		\$ 70,134,112		\$ 71,331,478	

Calculated proportion of total di+cu costs allocated to ST and Primary Lines 62% 64% 64% 62% 61%

Expenses	Rate Base Assets	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines
Distribution Costs (di)	di	\$299,743,275	\$227,580,896	\$341,539,389	\$262,322,535	\$344,026,379	\$266,460,007	\$332,180,116	\$249,571,448	\$325,301,273	\$243,662,003
Customer Related Costs (cu)	cu	\$115,547,644		\$115,530,702		\$115,940,702		\$117,459,388		\$119,563,464	
General and Administration (ad)	ad	\$138,263,922	\$85,282,265	\$142,087,737	\$90,809,536	\$142,696,532	\$92,011,181	\$142,647,911	\$88,490,148	\$143,284,933	\$88,023,729
Depreciation and Amortization (dep)	dep	\$353,138,115	\$217,818,343	\$373,249,863	\$238,547,306	\$390,499,230	\$251,795,154	\$404,621,565	\$251,002,781	\$416,609,629	\$255,934,328
PILs (INPUT)	INPUT	\$55,596,242	\$34,292,195	\$61,599,816	\$39,368,990	\$62,241,693	\$40,133,643	\$65,574,994	\$40,678,766	\$69,388,753	\$42,627,349
Interest	INT	\$186,181,515	\$114,838,210	\$200,631,992	\$128,225,690	\$215,822,002	\$139,162,718	\$234,464,113	\$145,447,375	\$256,659,646	\$157,672,818
Direct Allocation		\$10,749,789	\$0	\$11,023,762	\$0	\$11,305,605	\$0	\$11,576,202	\$0	\$11,851,538	\$0
Allocated Net Income (NI)	NI	\$251,562,373	\$155,165,633	\$269,274,471	\$172,095,708	\$288,427,748	\$185,979,135	\$306,806,807	\$190,324,413	\$323,316,713	\$198,622,019
Total Revenue Requirement (includes NI)		\$1,410,782,875	\$834,977,542	\$1,514,937,732	\$931,369,765	\$1,570,959,891	\$975,541,838	\$1,615,331,096	\$965,514,932	\$1,665,975,948	\$986,542,244

C Total Revenue Requirement after R/C adjustment per Rate Design Sheet \$1,121,356,092 \$942,696,048 \$993,186,699 \$993,032,466 \$1,005,410,025
D=C/B/12 Specific ST Line Rate (\$/per km/month): \$ 974.25 \$ 819.03 \$ 862.89 \$ 862.76 \$ 873.51
DxA Specific Primary Line Rate (\$/per km/month) \$ 732.74 \$ 615.99 \$ 648.99 \$ 648.89 \$ 656.97

RATE RIDERS

1.0 REGULATORY ASSET RATE RIDER

This section describes the methodology used to allocate the Regulatory Asset amounts, as identified in Exhibit F1, Tab 1, Schedule 1, among customer classes.

The methodology proposed to allocate the Regulatory Asset balances to customer classes follows the approach approved in previous Hydro One applications for similar regulatory assets, or aligns with the cost allocators used in the Boards CAM.

Hydro One proposes that Regulatory Assets associated with overall revenue requirement (e.g. Pension, OEB Costs, Smart Grid, Green Energy) be disposed of using riders with both a fixed and volumetric component. Regulatory Assets associated with customer based charges (e.g. Smart Meter) will be disposed of via a fixed rider. RSVA balances will be disposed of via a volumetric rider.

It is proposed that all Regulatory Asset be disposed of evenly over the five-year Custom COS period to smooth customer impacts.

Table 1 shows the regulatory accounts and balances proposed for disposition. The table also lists the allocators used to distribute these costs among customer classes and the rationale for using these allocators.

1

Table 1

2

Regulatory Asset Account Balances and Allocators Proposed for Disposition

Variance Account	Account Balance (\$M)	Proposed Allocator	Rationale
RSVA-Wholesale Market Service Charge	(\$43.7)	Forecast kWh excluding wholesale market participants	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Retail Transmission Network Charge	\$38.8	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Retail Transmission Connection Charge	\$17.3	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Low Voltage Wheeling Charge	\$2.2	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Provincial Benefit	(\$20.9)	Forecast kWh for non-RPP, non-LDC and class B customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RCVA	\$0.2	Forecast number of customers	Previously approved by the Board in EB-2009-0096
OEB Costs	\$9.1	OM&A from CAM	Previously approved by the Board in EB-2007-0681
DSC Exemption	\$5.5	Revenue Requirement share	Same allocator used for Green Energy Costs in EB-2009-0096
Special	\$0.2	Forecast kWh for all	Same basis as charge incurred and per

Variance Account	Account Balance (\$M)	Proposed Allocator	Rationale
Purpose Charge		customers	IRM methodology
Tax/HST	(\$20.7)	Net Fixed Assets from CAM	Previously approved by the Board in EB-2007-0681
MicroFIT Connection Charge	(\$1.5)	OM&A from CAM	Treated like another source of revenue. Same allocator used in the CAM for Miscellaneous Revenue
Pension	\$55.6	Revenue Requirement share	Treated same as other contributors to Revenue Requirement (eg. Smart Grid & Green Energy in EB-2009-0096)
Joint Use	(\$0.3)	OM&A from CAM	Treated like another source of revenue. Same allocator used in the CAM for Miscellaneous Revenue
Other	(\$1.8)	Revenue Requirement share	Previously approved by the Board in EB-2008-0187
Smart Meter	\$6.4	Number of metered customers	Previously approved by the Board in EB-2009-0096
Smart Grid	(\$5.2)	Revenue Requirement share	Previously approved by the Board in EB-2012-0136 and EB-2013-0141
Green Energy	(\$1.1)	Revenue Requirement share	Previously approved by the Board in EB-2009-0096

1

2 Each test year's forecast of the number of customers, annual energy and peak demand are
3 used as charge determinants to derive the annual rate rider amounts.

4

5 Table 2 provides a summary of the proposed Regulatory Assets Rider by rate class.
6 Details of the derivation of the rider amounts for all rate classes for each year of the
7 Custom COS period are provided in Exhibit G1, Tab 5, Schedule 2.

Table 2

Regulatory Assets Rate Rider by Rate Class

Rate Class	2015		2016		2017		2018		2019	
	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)
UR	0.23	0.0001	0.22	0.0001	0.21	0.0001	0.20	0.0001	0.20	0.0001
R1	0.27	0.0002	0.26	0.0002	0.25	0.0002	0.24	0.0001	0.23	0.0001
R2	0.47	0.0002	0.48	0.0002	0.48	0.0002	0.48	0.0002	0.48	0.0002
Seasonal	0.25	0.0005	0.25	0.0005	0.25	0.0005	0.25	0.0006	0.25	0.0006
GSe	0.26	0.0003	0.25	0.0003	0.25	0.0003	0.25	0.0003	0.24	0.0003
GSd	0.49	0.0608	0.49	0.0620	0.50	0.0661	0.52	0.0713	0.53	0.0745
UGe	0.22	0.0001	0.21	0.0001	0.21	0.0001	0.22	0.0001	0.22	0.0001
UGd	0.50	0.0285	0.51	0.0291	0.52	0.0315	0.54	0.0344	0.56	0.0361
St Lgt	0.03	0.0005	0.03	0.0005	0.03	0.0005	0.03	0.0005	0.03	0.0005
Sen Lgt	0.02	0.0006	0.02	0.0007	0.02	0.0007	0.02	0.0008	0.02	0.0008
USL	0.28	0.0002	0.25	0.0002	0.24	0.0002	0.23	0.0001	0.22	0.0001
DGen	1.46	0.0238	1.65	0.0330	1.83	0.0424	1.99	0.0510	2.07	0.0574
ST-General	5.04	0.1906	4.99	0.1913	5.02	0.1916	5.11	0.1931	5.17	0.1935
ST-Excl WMP		-0.1700		-0.1705		-0.1704		-0.1715		-0.1710

Note: Global Adjustment Rate Rider of -0.0005 \$/kWh will apply to all non-RPP, non-LDC, and class B customers for the entire Custom COS period.

2.0 REVENUE SMOOTHING RATE RIDER

The amount of revenue required in each test year to smooth the overall distribution rate impacts over the five year Custom COS period is discussed in Exhibit F1, Tab 1, Schedule 2.

Hydro One proposes to dispose of the annual smoothing revenue via a rider with both fixed and volumetric components consistent with how revenue would normally be collected from customers. The allocation of the smoothing revenue to each rate class will be based on the share of total revenue collected by rate class. The smoothing revenue by rate class will be split between fixed and volumetric components in proportion to the amount of revenue collected via fixed and volumetric charges for each rate class. As with the Regulatory Asset rate rider, each test year's forecast for number of customers, annual energy and peak demand are used as charge determinants to derive the annual rate rider amounts.

Table 3 provides a summary of the Revenue Smoothing Rider by rate class. Details of the derivation of the rider amounts for all rate classes for each year of the Custom COS period are provided in Exhibit G1, Tab 5, Schedule 3.

Table 3

Revenue Smoothing Rate Rider by Rate Class

Rate Class	2015		2016		2017		2018		2019	
	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)	Fixed (\$/month)	Variable (\$/kWh or \$/kW)
UR	-0.83	-0.0007	-0.94	-0.0008	-0.28	-0.0003	0.49	0.0004	1.27	0.0012
R1	-1.15	-0.0013	-1.31	-0.0015	-0.40	-0.0005	0.69	0.0008	1.80	0.0021
R2	-2.82	-0.0018	-3.31	-0.0022	-1.05	-0.0007	1.93	0.0013	5.29	0.0036
Seasonal	-1.10	-0.0039	-1.28	-0.0046	-0.41	-0.0015	0.75	0.0027	2.04	0.0076
GSe	-1.19	-0.0023	-1.38	-0.0026	-0.43	-0.0008	0.78	0.0015	2.10	0.0042
GSd	-3.38	-0.5993	-3.98	-0.7158	-1.31	-0.2383	2.48	0.4625	6.92	1.3108
UGe	-0.92	-0.0010	-1.07	-0.0012	-0.35	-0.0004	0.65	0.0007	1.80	0.0021
UGd	-3.47	-0.3431	-4.10	-0.4089	-1.35	-0.1361	2.58	0.2639	7.23	0.7474
St Lgt	-0.17	-0.0037	-0.20	-0.0045	-0.06	-0.0014	0.12	0.0027	0.33	0.0075
Sen Lgt	-0.10	-0.0049	-0.13	-0.0062	-0.04	-0.0021	0.09	0.0041	0.25	0.0117
USL	-1.61	-0.0013	-1.76	-0.0014	-0.53	-0.0004	0.93	0.0007	2.43	0.0019
DGen	-6.84	-0.1362	-9.29	-0.2169	-3.28	-0.0862	6.54	0.1869	18.51	0.5677
ST	-35.52	-0.0528	-41.53	-0.0626	-13.24	-0.0202	24.69	0.0382	68.21	0.1064

REGULATORY ASSET RIDER CALCULATION

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3 Attachment 1: VA Rider 2015

4 Attachment 2: VA Rider 2016

5 Attachment 3: VA Rider 2017

6 Attachment 4: VA Rider 2018

7 Attachment 5: VA Rider 2019

Determination of Deferral/Variance Account Rate Rider Amounts by Rate Class (2015)

Allocators	Value	Source	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST													
Number of Customers	1,289,499	2015 Load Forecast	209,756	438,731	335,388	143,814	93,605	6,119	17,786	1,903	4,888	30,040	5,647	1,011	811													
kWh	34,690,860,313	2015 Load Forecast	1,965,400,736	4,966,297,663	4,848,234,944	450,037,308	2,211,095,023	2,420,931,372	608,469,028	1,075,320,254	123,535,657	21,800,410	23,972,381	21,107,838	15,954,657,697													
kWh excl WMP	23,474,135,521	2015 Load Forecast	1,965,400,736	4,966,297,663	4,848,234,944	450,037,308	2,211,095,023	2,420,931,372	608,469,028	1,075,320,254	123,535,657	21,800,410	23,972,381	21,107,838	4,737,932,905													
kWh for Non-RPP, Non-LDC, and Class B customers	7,666,933,120	2015 Load Forecast	267,848,930	555,736,993	537,408,163	11,447,410	460,276,522	2,235,430,025	140,555,322	1,024,714,805	61,445,418	3,482,776	1,523,907	21,738,397	2,345,324,452													
Billing kWhs	40,808,029	2015 Load Forecast	6.94%	21.77%	38.16%	7.25%	10.66%	8,248,059	1.45%	2,973,431	0.99%	0.52%	0.28%	208,653	29,377,885													
OM&A	100%	2015 CAM: E2 Allocators sheet	4.60%	17.94%	39.28%	6.70%	11.18%	7,039	1.58%	2,379	0.86%	0.41%	0.17%	0.07%	3,309													
NFA	100%	2015 CAM: E2 Allocators sheet	4.60%	17.94%	39.28%	6.70%	11.18%	7,039	1.58%	2,379	0.86%	0.41%	0.17%	0.07%	3,309													
Revenue From Rates	1,363,255,917	2015 Rate Design	86,216,065	303,379,365	491,452,254	88,418,065	153,777,947	126,261,758	19,775,259	26,736,811	11,497,104	3,480,975	3,394,147	2,710,946	46,155,221													
Fixed Revenue Requirement	579,386,721	2015 Rate Design	51,060,802	146,981,097	275,660,225	46,215,637	32,526,857	6,031,569	4,798,937	1,927,449	235,424	872,061	2,652,506	2,019,735	8,404,423													
Volumetric Revenue Requirement	783,869,195	2015 Rate Design	35,155,264	156,398,268	215,792,029	42,202,428	121,251,090	120,230,188	14,976,322	24,809,362	11,261,680	2,608,913	741,641	691,211	37,750,799													
Rider Development																												
Amount to be collected/refunded																												
Allocators																												
RSVA Wholesale Mkt SrChg	\$	(43,683,952)	kWh Exc WMP	(\$3,657,492)	(\$9,241,981)	(\$9,022,273)	(\$837,492)	(\$4,114,715)	(\$4,505,207)	(\$1,132,324)	(\$2,001,106)	(\$229,892)	(\$40,569)	(\$44,611)	(\$39,280)	(\$8,817,008)												
RSVA Tx Network	\$	38,835,594	kWh	\$2,200,219	\$5,559,652	\$5,427,484	\$503,806	\$2,475,268	\$2,710,175	\$681,167	\$1,203,795	\$138,295	\$24,405	\$26,837	\$23,630	\$17,860,860												
RSVA Tx Connection	\$	17,279,237	kWh	\$978,950	\$2,473,673	\$2,414,867	\$224,160	\$1,101,329	\$1,205,846	\$303,074	\$535,608	\$61,532	\$10,859	\$11,940	\$10,514	\$7,946,886												
RSVA LV Wheeling	\$	2,240,340	kWh	\$126,926	\$320,724	\$313,100	\$29,063	\$142,793	\$156,344	\$39,295	\$69,444	\$7,978	\$1,408	\$1,548	\$1,363	\$1,030,354												
RSVA Provincial Benefit	\$	(20,896,160)	kWh for Non-RPP	(\$730,020)	(\$1,514,656)	(\$1,464,701)	(\$31,200)	(\$1,254,480)	(\$6,092,645)	(\$383,082)	(\$2,792,851)	(\$167,469)	(\$9,492)	(\$4,153)	(\$59,248)	(\$6,392,162)												
RCVA	\$	246,447	Number of customers	\$40,088	\$83,850	\$64,099	\$27,486	\$17,890	\$1,169	\$3,399	\$364	\$934	\$5,741	\$1,079	\$193	\$155												
OEB Costs	\$	9,093,327	OM&A	\$622,431	\$1,979,212	\$3,470,373	\$659,561	\$969,352	\$639,148	\$131,577	\$132,828	\$90,335	\$47,442	\$25,806	\$25,487	\$299,777												
DSC Exemption	\$	5,512,640	2015 Revenue Requirement Share	\$348,635	\$1,226,785	\$1,987,301	\$367,539	\$621,837	\$510,569	\$79,966	\$108,116	\$46,491	\$14,076	\$13,725	\$10,962	\$186,639												
SPC	\$	173,840	kWh	\$9,849	\$24,887	\$24,295	\$2,255	\$11,080	\$5,389	\$619	\$109	\$120	\$106	\$79,951	\$106	\$79,951												
Tax/HST	\$	(20,700,027)	NFA	(\$652,922)	(\$3,714,003)	(\$8,130,308)	(\$1,387,850)	(\$2,313,295)	(\$2,358,749)	(\$323,031)	(\$490,294)	(\$178,543)	(\$85,295)	(\$34,384)	(\$14,402)	(\$715,951)												
MicroFit Charge	\$	(1,509,726)	OM&A	(\$103,339)	(\$328,600)	(\$576,171)	(\$109,504)	(\$160,937)	(\$106,115)	(\$21,845)	(\$22,053)	(\$14,998)	(\$7,877)	(\$4,284)	(\$4,231)	(\$49,771)												
Pension	\$	55,613,259	2015 Revenue Requirement Share	\$3,517,136	\$12,376,191	\$20,048,518	\$3,606,965	\$6,273,285	\$5,150,777	\$806,721	\$1,090,713	\$469,018	\$142,004	\$138,462	\$110,592	\$1,882,876												
Joint Use	\$	(304,093)	OM&A	(\$20,815)	(\$66,188)	(\$116,054)	(\$22,057)	(\$32,416)	(\$21,374)	(\$4,400)	(\$4,442)	(\$3,021)	(\$1,587)	(\$863)	(\$852)	(\$10,025)												
Other	\$	(1,752,515)	2015 Revenue Requirement Share	(\$110,834)	(\$390,005)	(\$631,780)	(\$113,665)	(\$197,687)	(\$162,314)	(\$25,422)	(\$34,371)	(\$14,780)	(\$4,475)	(\$4,363)	(\$3,485)	(\$59,334)												
Smart Meter	\$	6,449,236	Number of cust excl unmetered	\$1,083,145	\$2,265,533	\$1,731,887	\$742,633	\$483,359	\$31,599	\$91,848	\$9,828	\$0	\$0	\$5,221	\$4,186	\$5,221												
Smart Grid	\$	(5,159,252)	2015 Revenue Requirement Share	(\$326,285)	(\$1,148,141)	(\$1,859,905)	(\$334,619)	(\$581,974)	(\$477,839)	(\$74,840)	(\$101,186)	(\$43,511)	(\$13,174)	(\$12,845)	(\$10,260)	(\$174,675)												
Green	\$	(1,077,933)	2015 Revenue Requirement Share	(\$68,171)	(\$239,884)	(\$388,594)	(\$69,913)	(\$121,593)	(\$99,836)	(\$15,636)	(\$21,141)	(\$9,091)	(\$2,752)	(\$2,684)	(\$2,144)	(\$36,495)												
Total Regulatory Assets for Approval																												
Recovery per year	\$	8,072,052	\$	591,500	\$	1,933,409	\$	2,658,427	\$	649,434	\$	663,819	\$	(681,264)	\$	31,903	\$	(462,272)	\$	30,779	\$	16,165	\$	22,266	\$	10,833	\$	2,607,053
Fixed and Volumetric Revenue Def/Var Accounts (Rows 22, 23, 25, 26, 27, 28, 29, 31, 32)	\$	7,943,136	\$	581,167	\$	1,939,073	\$	2,760,676	\$	517,292	\$	891,314	\$	614,854	\$	110,618	\$	131,634	\$	68,380	\$	17,673	\$	23,714	\$	22,333	\$	264,408
Fixed Portion: Row 40 * (Row10 / (Row10+11))	\$	3,445,888	\$	344,192	\$	939,441	\$	1,548,489	\$	270,386	\$	188,529	\$	29,372	\$	26,844	\$	9,489	\$	1,400	\$	4,427	\$	18,532	\$	16,639	\$	48,146
Volumetric Portion: Row 40 * (Row11 / (Row10+11))	\$	4,497,249	\$	236,975	\$	999,632	\$	1,212,187	\$	246,906	\$	702,785	\$	585,482	\$	83,774	\$	122,145	\$	66,980	\$	13,245	\$	5,182	\$	5,694	\$	216,262
Fixed Revenue Def/Var Accounts (Rows 21 & 30)	\$	1,339,137	\$	224,647	\$	469,877	\$	359,197	\$	154,024	\$	100,250	\$	6,554	\$	19,049	\$	2,038	\$	187	\$	1,148	\$	216	\$	1,083	\$	868
Volumetric Revenue Def/Var Accounts (Rows 16, 17, 18, 19, 24)	\$	2,969,012	\$	(68,310)	\$	(172,609)	\$	(168,506)	\$	(15,642)	\$	(76,849)	\$	(84,142)	\$	(21,148)	\$	(37,374)	\$	(4,294)	\$	(758)	\$	(833)	\$	(734)	\$	3,620,209
Volumetric GA Revenue Account (Row 20)	\$	(4,179,232)	\$	(146,004)	\$	(302,931)	\$	(292,940)	\$	(6,240)	\$	(250,896)	\$	(1,218,529)	\$	(76,616)	\$	(558,570)	\$	(33,494)	\$	(1,898)	\$	(831)	\$	(11,850)	\$	(1,278,432)
TOTAL FIXED RIDER REVENUE (ROWS 41+44)	\$	4,785,024	\$	568,838	\$	1,409,318	\$	1,907,687	\$	424,409	\$	288,779	\$	35,925	\$	45,893	\$	11,528	\$	1,587	\$	5,576	\$	18,748	\$	17,722	\$	49,014
TOTAL VOLUMETRIC RIDER REVENUE (ROWS 42+45)	\$	7,466,260	\$	168,666	\$	827,023	\$	1,043,681	\$	231,265	\$	625,936	\$	501,340	\$	62,626	\$	84,771	\$	62,686	\$	12,488	\$	4,348	\$	4,961	\$	3,836,471
GA RIDER REVENUE (ROW 46)	\$	(4,179,232)	\$	(146,004)	\$	(302,931)	\$	(292,940)	\$	(6,240)	\$	(250,896)	\$	(1,218,529)	\$	(76,616)	\$	(558,570)	\$	(33,494)	\$	(1,898)	\$	(831)	\$	(11,850)	\$	(1,278,432)
Final Rate Rider Amounts			Monthly Fixed Rider	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST												
Volumetric Rider-General (kWh)				0.23	0.27	0.47	0.25	0.26	0.49	0.22	0.50	0.03	0.02	0.28	1.46	5.04												
Volumetric Rider-General (kW)				0.0001	0.0002	0.0002	0.0005	0.0003		0.0001		0.0005	0.0006	0.0002	0.0238	*see ST rider derivation below (0.0005)												
Volumetric Rider-GA				(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)													

ST Volumetric Rider Derivation	\$	Charge Determinant	Rider (\$/kW)
General	5,599,872	29,377,885	0.1906
Excluding WMP	-1,763,402	10,372,899	-0.17

Determination of Defferal/Variance Account Rate Rider Amounts by Rate Class (2016)

Allocators	Value	Source	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Number of Customers	1,301,910	2016 Load Forecast	212,050	444,625	338,265	144,433	93,948	6,207	17,838	1,910	4,935	29,891	5,700	1,291	817
kWh	34,674,307,279	2016 Load Forecast	1,978,618,156	5,018,781,474	4,834,387,221	446,171,962	2,193,859,265	2,424,103,990	605,559,538	1,070,997,654	124,905,064	22,042,070	24,236,848	22,979,165	15,907,664,871
kWh excl WMP	23,488,164,212	2016 Load Forecast	1,978,618,156	5,018,781,474	4,834,387,221	446,171,962	2,193,859,265	2,424,103,990	605,559,538	1,070,997,654	124,905,064	22,042,070	24,236,848	22,979,165	4,721,521,804
kWh for Non-RPP, Non-LDC, and Class B customers	7,663,280,363	2016 Load Forecast	269,650,227	561,610,019	535,873,196	11,349,089	456,688,610	2,238,359,545	139,883,235	1,020,595,630	62,126,548	3,521,383	1,540,719	23,665,626	2,338,416,537
Billing kWhs	40,641,590	2016 Load Forecast	6,641	21,689	38,579	7,311	10,529	8,258,870	1,411	2,961,478	1,011	0.52%	0.28%	227,151	29,194,091
OM&A	100%	2016 CAM: E2 Allocators sheet	4.55%	18.00%	39.20%	6.61%	11.06%	7.04%	1.45%	1.45%	0.87%	0.41%	0.17%	0.08%	3.25%
NFA	100%	2016 CAM: E2 Allocators sheet	4.55%	18.00%	39.20%	6.61%	11.06%	7.04%	1.45%	1.45%	0.87%	0.41%	0.17%	0.08%	3.49%
Revenue From Rates	1,466,121,144	2016 Rate Design	89,521,920	321,536,123	533,720,279	94,921,174	163,705,147	138,324,952	21,063,582	29,076,679	12,644,450	4,058,466	3,425,062	4,304,928	49,818,381
Fixed Revenue Requirement	622,453,131	2016 Rate Design	53,018,669	155,777,675	299,368,761	49,614,777	34,626,642	6,607,832	5,111,579	2,096,129	258,918	1,016,736	2,676,666	3,207,298	9,071,449
Volumetric Revenue Requirement	843,668,013	2016 Rate Design	36,503,251	165,758,448	234,351,518	45,306,398	129,078,505	131,717,120	15,952,003	26,980,550	12,385,531	3,041,730	748,397	1,097,630	40,746,932
Rider Development															
Amount to be collected/refunded		Allocator													
RSVA Wholesale Mkt SrChg	\$	(43,683,952)	kWh Exc WMP	(\$3,679,890)	(\$9,334,072)	(\$8,991,130)	(\$829,803)	(\$4,080,201)	(\$4,508,417)	(\$1,126,237)	(\$1,991,872)	(\$232,302)	(\$40,994)	(\$45,076)	(\$8,781,220)
RSVA Tx Network	\$	38,835,594	kWh	\$2,216,073	\$5,621,089	\$5,414,565	\$499,717	\$2,457,146	\$2,715,022	\$678,233	\$1,199,529	\$139,895	\$24,687	\$27,146	\$25,737
RSVA Tx Connection	\$	17,279,237	kWh	\$986,004	\$2,501,008	\$2,409,119	\$222,341	\$1,093,265	\$1,208,003	\$301,768	\$533,710	\$62,244	\$10,984	\$12,078	\$7,827,262
RSVA LV Wheeling	\$	2,240,340	kWh	\$127,840	\$324,268	\$312,354	\$28,828	\$141,747	\$156,624	\$39,126	\$69,198	\$8,070	\$1,424	\$1,566	\$1,027,809
RSVA Provincial Benefit	\$	(20,896,160)	kWh for Non-RPP	(\$735,280)	(\$1,531,393)	(\$1,461,214)	(\$30,947)	(\$1,245,294)	(\$6,103,538)	(\$381,432)	(\$2,782,950)	(\$169,406)	(\$9,602)	(\$4,201)	(\$64,531)
RCVA	\$	246,447	Number of customers	\$40,140	\$84,166	\$64,033	\$27,341	\$17,784	\$1,175	\$3,377	\$362	\$934	\$5,658	\$1,079	\$244
OEB Costs	\$	9,093,327	OM&A	\$603,942	\$1,971,448	\$3,507,559	\$665,007	\$956,592	\$640,250	\$127,815	\$131,853	\$91,980	\$47,706	\$25,463	\$28,275
DSC Exemption	\$	5,512,640	2016 Revenue Requirement Share	\$336,604	\$1,208,981	\$2,006,797	\$356,905	\$165,534	\$520,104	\$79,199	\$109,329	\$47,543	\$15,260	\$12,878	\$187,318
SPC	\$	173,840	kWh	\$9,920	\$25,162	\$24,237	\$2,237	\$10,999	\$12,153	\$3,006	\$5,369	\$626	\$111	\$122	\$115
Tax/HST	\$	(20,700,027)	NFA	(\$941,509)	(\$3,725,819)	(\$8,115,386)	(\$1,367,675)	(\$2,293,611)	(\$2,401,131)	(\$320,008)	(\$496,327)	(\$180,771)	(\$84,460)	(\$34,542)	(\$16,300)
MicroFit Charge	\$	(1,509,726)	OM&A	(\$100,270)	(\$327,311)	(\$582,345)	(\$110,408)	(\$158,819)	(\$106,298)	(\$21,221)	(\$21,891)	(\$7,920)	(\$4,227)	(\$4,694)	(\$49,505)
Pension	\$	55,613,259	2016 Revenue Requirement Share	\$3,395,767	\$12,196,585	\$20,245,206	\$3,600,573	\$6,209,703	\$5,246,975	\$788,989	\$1,102,944	\$479,632	\$153,947	\$129,920	\$163,296
Joint Use	\$	(304,093)	OM&A	(\$20,197)	(\$65,928)	(\$117,298)	(\$22,239)	(\$31,990)	(\$21,411)	(\$4,274)	(\$4,409)	(\$1,595)	(\$852)	(\$946)	(\$9,880)
Other	\$	(1,752,515)	2016 Revenue Requirement Share	(\$107,009)	(\$384,345)	(\$637,978)	(\$113,463)	(\$195,638)	(\$165,345)	(\$25,178)	(\$34,757)	(\$15,114)	(\$4,851)	(\$4,094)	(\$59,550)
Smart Meter	\$	6,449,236	Number of cust excl unmetered	\$1,084,174	\$2,723,292	\$1,729,493	\$738,461	\$480,338	\$31,734	\$91,202	\$9,765	\$0	\$0	\$0	\$4,177
Smart Grid	\$	(5,159,252)	2016 Revenue Requirement Share	(\$315,026)	(\$1,131,479)	(\$1,878,151)	(\$334,026)	(\$576,075)	(\$486,763)	(\$74,122)	(\$102,320)	(\$44,496)	(\$14,282)	(\$12,053)	(\$15,149)
Green	\$	(1,077,933)	2016 Revenue Requirement Share	(\$65,819)	(\$236,402)	(\$392,406)	(\$69,789)	(\$120,361)	(\$101,700)	(\$15,487)	(\$21,378)	(\$9,297)	(\$2,984)	(\$2,518)	(\$3,165)
Total Regulatory Assets for Approval															
Recovery per year															
Fixed and Volumetric Revenue Def/Var Accounts (Rows 22, 23, 25, 26, 27, 28, 29, 31, 32)	\$	7,943,136		\$ 557,297	\$ 1,901,146	\$ 2,807,200	\$ 520,977	\$ 181,058	\$ 624,936	\$ 109,143	\$ 132,609	\$ 70,226	\$ 20,164	\$ 21,995	\$ 263,914
Fixed Portion: Row 40 * (Row10 / (Row10+11))	\$	3,446,204		\$ 330,055	\$ 921,066	\$ 1,574,585	\$ 272,312	\$ 186,360	\$ 29,853	\$ 26,486	\$ 9,560	\$ 1,438	\$ 5,052	\$ 17,189	\$ 24,192
Volumetric Portion: Row 40 * (Row11 / (Row10+11))	\$	4,496,932		\$ 227,242	\$ 980,080	\$ 1,232,615	\$ 248,665	\$ 694,698	\$ 595,083	\$ 82,657	\$ 123,049	\$ 68,788	\$ 15,112	\$ 4,806	\$ 8,279
Fixed Revenue Def/Var Accounts (Rows 21 & 30)	\$	1,339,137		\$ 224,863	\$ 471,492	\$ 358,705	\$ 153,160	\$ 99,624	\$ 6,582	\$ 18,916	\$ 2,025	\$ 187	\$ 1,132	\$ 216	\$ 1,369
Volumetric Revenue Def/Var Accounts (Rows 16, 17, 18, 19, 24)	\$	2,969,012		\$ (68,010)	\$ (172,509)	\$ (166,171)	\$ (15,336)	\$ (75,409)	\$ (83,323)	\$ (20,815)	\$ (36,813)	\$ (4,293)	\$ (758)	\$ (833)	\$ (790)
Volumetric GA Revenue Account (Row 20)	\$	(4,179,232)		\$ (147,056)	\$ (306,279)	\$ (292,243)	\$ (6,189)	\$ (249,059)	\$ (1,220,708)	\$ (76,286)	\$ (556,590)	\$ (33,881)	\$ (1,920)	\$ (840)	\$ (12,906)
TOTAL FIXED RIDERS REVENUE (ROWS 41+44)	\$	4,785,341		\$ 554,918	\$ 1,392,558	\$ 1,933,290	\$ 425,472	\$ 285,984	\$ 36,435	\$ 45,402	\$ 11,585	\$ 1,625	\$ 6,183	\$ 17,405	\$ 25,561
TOTAL VOLUMETRIC RIDER REVENUE (ROWS 42+45)	\$	7,465,944		\$ 159,232	\$ 807,571	\$ 1,066,444	\$ 233,329	\$ 619,289	\$ 511,760	\$ 61,842	\$ 86,236	\$ 64,495	\$ 14,355	\$ 3,973	\$ 7,489
GA RIDER REVENUE (ROW 46)	\$	(4,179,232)		\$ (147,056)	\$ (306,279)	\$ (292,243)	\$ (6,189)	\$ (249,059)	\$ (1,220,708)	\$ (76,286)	\$ (556,590)	\$ (33,881)	\$ (1,920)	\$ (840)	\$ (12,906)
Final Rate Rider Amounts															
Monthly Fixed Rider			UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Volumetric Rider-General (kWh)			0.22	0.26	0.48	0.25	0.25	0.49	0.21	0.51	0.03	0.02	0.25	1.65	4.99
Volumetric Rider-General (kW)			0.0001	0.0002	0.0002	0.0005	0.0003		0.0001		0.0005	0.0007	0.0002		
Volumetric Rider-GA			(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	
								0.0620		0.0291				0.0330	*see ST rider derivation below (0.0005)

ST Volumetric Rider Derivation	\$	Charge Determinant	Rider (\$/kW)
General	5,586,174	29,194,091	0.1913
Excluding WMP	-1,756,244	10,300,184	-0.1705

Determination of Defferal/Variance Account Rate Rider Amounts by Rate Class (2017)

Allocators	Value	Source	UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Number of Customers	1,314,209	2017 Load Forecast	214,344	450,575	941,097	145,020	94,269	6,294	17,887	1,916	4,983	29,730	5,745	1,526	823
kWh	34,693,649,874	2017 Load Forecast	1,986,454,088	5,058,238,248	4,807,832,541	441,085,688	2,170,573,551	2,420,634,341	601,032,601	1,063,813,632	125,938,798	22,224,494	24,436,176	24,086,305	15,837,499,412
kWh excl WMP	23,453,149,264	2017 Load Forecast	1,986,454,088	5,058,238,248	4,807,832,541	441,085,688	2,170,573,551	2,420,634,341	601,032,601	1,063,813,632	125,938,798	22,224,494	24,436,176	24,086,305	4,706,998,802
kWh for Non-RPP, Non-LDC, and Class B customers	7,641,107,674	2017 Load Forecast	270,718,124	566,025,297	532,907,543	11,219,712	451,841,298	2,235,155,754	138,837,520	1,013,749,694	62,640,717	3,550,527	1,553,390	24,805,840	2,328,102,259
Billing kWhs	40,553,341	2017 Load Forecast	6,65%	21.77%	38.37%	7.27%	10.53%	8.247,045	1.41%	2,941,614	1.02%	0.52%	0.28%	238,095	29,126,587
OM&A	100%	2017 CAM: E2 Allocators sheet	4.49%	18.00%	38.77%	6.51%	11.13%	7.13%	1.46%	1.46%	0.89%	0.40%	0.17%	0.36%	3.23%
NFA	100%	2017 CAM: E2 Allocators sheet	4.49%	18.00%	38.77%	6.51%	11.13%	7.13%	1.46%	1.46%	0.89%	0.40%	0.17%	0.36%	3.23%
Revenue From Rates	1,521,296,059	2017 Rate Design	89,072,530	323,054,964	557,908,623	98,950,305	168,034,605	150,598,188	22,394,154	31,481,154	13,521,824	4,540,632	3,440,300	5,874,626	52,424,154
Fixed Revenue Requirement	642,389,220	2017 Rate Design	52,752,521	156,513,522	312,936,232	51,720,781	35,542,402	7,194,129	5,434,474	2,269,467	276,884	1,137,529	2,688,574	4,376,770	9,545,935
Volumetric Revenue Requirement	878,906,839	2017 Rate Design	36,320,009	166,541,442	244,972,391	47,229,524	132,492,203	143,404,059	16,959,680	29,211,687	13,244,940	3,403,103	751,726	1,497,856	42,878,219
Rider Development															
Amount to be collected/refunded		Allocator													
RSVA Wholesale Mkt SrChg	\$	(43,683,952) kWh Exc WMP	(\$3,699,979)	(\$9,421,500)	(\$8,954,720)	(\$821,568)	(\$4,042,921)	(\$4,508,686)	(\$1,119,486)	(\$1,981,465)	(\$234,574)	(\$41,395)	(\$45,515)	(\$44,863)	(\$8,767,279)
RSVA Tx Network	\$	38,835,594 kWh	\$2,230,682	\$5,398,132	\$5,398,715	\$495,316	\$2,437,438	\$2,718,243	\$1,194,606	\$1,194,606	\$141,423	\$24,957	\$27,441	\$27,048	\$17,784,667
RSVA Tx Connection	\$	17,279,237 kWh	\$992,504	\$2,527,278	\$2,402,066	\$220,382	\$1,084,497	\$1,209,436	\$300,298	\$531,520	\$62,924	\$11,104	\$12,209	\$12,034	\$7,912,985
RSVA LV Wheeling	\$	2,240,340 kWh	\$128,683	\$327,674	\$311,440	\$28,574	\$140,610	\$156,899	\$38,935	\$68,914	\$8,158	\$1,440	\$1,583	\$1,560	\$1,025,958
RSVA Provincial Benefit	\$	(20,896,160) kWh for Non-RPP	(\$20,896,160)	(\$1,457,911)	(\$30,683)	(\$123,652)	(\$6,112,487)	(\$379,679)	(\$2,772,304)	(\$171,304)	(\$9,710)	(\$4,248)	(\$67,837)	(\$6,366,668)	
RCVA	\$	246,447 Number of customers	\$40,195	\$84,494	\$63,964	\$27,195	\$17,678	\$1,180	\$3,354	\$359	\$934	\$5,575	\$1,077	\$286	\$154
OEB Costs	\$	9,093,327 OM&A	\$604,972	\$1,979,657	\$3,489,024	\$661,454	\$957,219	\$648,175	\$128,242	\$133,028	\$93,031	\$47,045	\$25,613	\$32,588	\$293,281
DSC Exemption	\$	5,512,640 2017 Revenue Requirement Share	\$322,767	\$1,170,637	\$2,021,664	\$358,561	\$608,898	\$545,715	\$81,149	\$114,077	\$48,998	\$16,454	\$12,466	\$21,288	\$189,967
SPC	\$	173,840 kWh	\$9,985	\$25,426	\$24,166	\$2,217	\$10,911	\$12,168	\$3,021	\$5,347	\$633	\$112	\$123	\$121	\$79,610
Tax/HST	\$	(20,700,027) NFA	(\$930,091)	(\$3,726,725)	(\$8,026,089)	(\$1,346,763)	(\$2,303,028)	(\$2,485,037)	(\$323,220)	(\$511,339)	(\$184,181)	(\$83,686)	(\$34,687)	(\$17,087)	(\$728,093)
MicroFit Charge	\$	(1,509,726) OM&A	(\$100,441)	(\$328,674)	(\$579,268)	(\$109,818)	(\$158,923)	(\$107,614)	(\$21,291)	(\$22,086)	(\$15,445)	(\$7,811)	(\$4,252)	(\$5,410)	(\$48,692)
Pension	\$	55,613,259 2017 Revenue Requirement Share	\$3,256,180	\$11,809,759	\$20,395,186	\$3,617,277	\$6,142,757	\$5,505,343	\$818,652	\$1,150,841	\$494,311	\$165,990	\$125,765	\$214,756	\$1,916,444
Joint Use	\$	(304,093) OM&A	(\$20,231)	(\$66,202)	(\$116,678)	(\$22,120)	(\$32,011)	(\$21,676)	(\$4,289)	(\$4,449)	(\$1,573)	(\$3,111)	(\$857)	(\$1,090)	(\$9,808)
Other	\$	(1,752,515) 2017 Revenue Requirement Share	(\$102,810)	(\$372,155)	(\$642,704)	(\$113,990)	(\$193,574)	(\$173,487)	(\$25,798)	(\$36,266)	(\$15,577)	(\$5,231)	(\$3,963)	(\$6,767)	(\$60,392)
Smart Meter	\$	6,449,236 Number of cust excl unmetered	\$1,085,265	\$2,281,343	\$1,727,035	\$734,263	\$477,300	\$31,868	\$90,563	\$9,704	\$0	\$0	\$0	\$7,726	\$4,169
Smart Grid	\$	(5,159,252) 2017 Revenue Requirement Share	(\$302,076)	(\$1,892,593)	(\$1,892,065)	(\$335,575)	(\$569,865)	(\$510,732)	(\$75,946)	(\$106,764)	(\$45,857)	(\$15,399)	(\$11,687)	(\$19,923)	(\$177,789)
Green	\$	(1,077,933) 2017 Revenue Requirement Share	(\$63,113)	(\$228,905)	(\$395,313)	(\$70,112)	(\$119,063)	(\$106,708)	(\$15,868)	(\$22,306)	(\$9,581)	(\$3,217)	(\$2,438)	(\$4,163)	(\$37,146)
Total Regulatory Assets for Approval															
Recovery per year	\$	8,072,052	\$ 542,472	\$ 1,819,747	\$ 2,753,816	\$ 658,922	\$ 644,454	\$ (639,498)	\$ 34,713	\$ (449,717)	\$ 34,156	\$ 20,931	\$ 19,730	\$ 30,053	\$ 2,602,273
Fixed and Volumetric Revenue Del/Var Accounts (Rows 22, 23, 25, 26, 27, 28, 29, 31, 32)	\$	7,943,136	\$ 533,071	\$ 1,828,360	\$ 2,850,752	\$ 527,783	\$ 866,482	\$ 658,796	\$ 112,326	\$ 138,947	\$ 72,517	\$ 22,514	\$ 21,196	\$ 42,838	\$ 267,554
Fixed Portion: Row 40 * (Row10 / (Row10+11))	\$	3,432,741	\$ 315,707	\$ 885,803	\$ 1,599,014	\$ 275,869	\$ 183,277	\$ 31,471	\$ 27,259	\$ 10,017	\$ 1,485	\$ 5,640	\$ 16,565	\$ 31,916	\$ 48,719
Volumetric Portion: Row 40 * (Row11 / (Row10+11))	\$	4,510,395	\$ 217,364	\$ 942,557	\$ 1,251,738	\$ 251,914	\$ 683,205	\$ 627,325	\$ 85,067	\$ 128,930	\$ 71,032	\$ 16,874	\$ 4,631	\$ 10,922	\$ 218,835
Fixed Revenue Del/Var Accounts (Rows 21 & 30)	\$	1,339,137	\$ 225,092	\$ 473,167	\$ 358,200	\$ 152,292	\$ 98,996	\$ 6,610	\$ 18,783	\$ 2,013	\$ 187	\$ 1,115	\$ 215	\$ 1,603	\$ 865
Volumetric Revenue Del/Var Accounts (Rows 16, 17, 18, 19, 24)	\$	2,969,012	\$ (67,625)	\$ (172,198)	\$ (163,667)	\$ (15,016)	\$ (73,893)	\$ (82,406)	\$ (20,461)	\$ (36,215)	\$ (4,287)	\$ (757)	\$ (832)	\$ (820)	\$ 3,607,188
Volumetric GA Revenue Account (Row 20)	\$	(4,179,232)	\$ (148,067)	\$ (309,582)	\$ (291,469)	\$ (6,137)	\$ (247,130)	\$ (1,222,497)	\$ (75,936)	\$ (554,461)	\$ (34,261)	\$ (1,942)	\$ (850)	\$ (13,567)	\$ (1,273,334)
TOTAL FIXED RIDERS REVENUE (ROWS 41+44)	\$	4,771,877	\$ 540,799	\$ 1,358,970	\$ 1,957,213	\$ 428,161	\$ 282,272	\$ 38,081	\$ 46,042	\$ 12,029	\$ 1,672	\$ 6,755	\$ 16,780	\$ 33,518	\$ 49,584
TOTAL VOLUMETRIC RIDER REVENUE (ROWS 42+45)	\$	7,479,407	\$ 149,739	\$ 770,359	\$ 1,088,071	\$ 236,898	\$ 609,312	\$ 544,919	\$ 64,606	\$ 92,715	\$ 66,745	\$ 16,117	\$ 3,800	\$ 10,103	\$ 3,826,023
GA RIDER REVENUE (ROW 46)	\$	(4,179,232)	\$ (148,067)	\$ (309,582)	\$ (291,469)	\$ (6,137)	\$ (247,130)	\$ (1,222,497)	\$ (75,936)	\$ (554,461)	\$ (34,261)	\$ (1,942)	\$ (850)	\$ (13,567)	\$ (1,273,334)
Final Rate Rider Amounts															
Monthly Fixed Rider	UR		0.21	0.25	0.48	0.25	0.25	0.50	0.21	0.52	0.03	0.02	0.0005	1.83	5.02
Volumetric Rider-General (kWh)	R1		0.0001	0.0002	0.0002	0.0005	0.0003	0.0005	0.0001	0.0005	0.0005	0.0007	0.0002	0.0005	0.0005
Volumetric Rider-General (kW)	R2														
Volumetric Rider-GA	Seasonal		(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0005)
*see ST rider derivation below (0.0005)															

ST Volumetric Rider Derivation	\$	Charge Determinant	Rider (\$/kW)
General	5,579,479	29,126,587	0.1916
Excluding WMP	-1,753,456	10,292,062	-0.1704

Determination of Deferral/Variance Account Rate Rider Amounts by Rate Class (2018)

Allocators	Value	Source	UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Number of Customers	1,326,167	2018 Load Forecast	216,595	456,466	343,819	145,560	94,559	6,380	17,932	1,923	5,029	29,575	5,780	1,720	829
3 kWh	34,332,069,720	2018 Load Forecast	1,982,491,032	5,067,106,168	4,751,412,321	433,218,475	2,134,248,216	2,402,282,927	593,019,449	1,050,492,744	126,198,829	22,270,382	24,485,394	24,994,986	15,719,848,798
4 kWh excl WMP	23,280,817,065	2018 Load Forecast	1,982,491,032	5,067,106,168	4,751,412,321	433,218,475	2,134,248,216	2,402,282,927	593,019,449	1,050,492,744	126,198,829	22,270,382	24,485,394	24,994,986	4,668,596,143
5 kWh for Non-RPP, Non-LDC, and Class B customers	7,579,857,059	2018 Load Forecast	270,178,031	567,017,633	526,675,748	11,019,597	444,279,570	2,218,210,498	136,986,495	1,001,055,698	62,770,053	3,557,858	1,556,518	25,741,666	2,310,807,694
6 Billing kWhs	40,251,672	2018 Load Forecast	6.74%	21.93%	38.04%	7.18%	10.49%	7.25%	1.42%	1.48%	1.02%	0.50%	0.28%	0.41%	28,915,291
7 OM&A	100%	2018 CAM: E2 Allocators sheet	4.44%	18.02%	38.54%	6.40%	11.05%	12.34%	1.57%	2.53%	0.90%	0.40%	0.17%	0.08%	3.24%
8 NFA	100%	2018 CAM: E2 Allocators sheet	4.44%	18.02%	38.54%	6.40%	11.05%	12.34%	1.57%	2.53%	0.90%	0.40%	0.17%	0.08%	3.56%
9 Revenue From Rates	1,566,742,385	2018 Rate Design	87,477,604	319,511,834	581,026,559	102,144,980	170,957,737	162,848,880	23,640,290	33,836,491	14,227,848	4,994,977	3,372,584	7,417,584	55,285,016
10 Fixed Revenue Requirement	657,786,534	2018 Rate Design	51,807,938	154,796,948	325,903,302	53,390,620	36,160,698	7,779,349	5,736,879	2,439,263	291,341	1,251,353	2,635,654	5,526,319	10,066,871
11 Volumetric Revenue Requirement	908,955,850	2018 Rate Design	35,669,666	164,714,886	255,123,258	48,754,360	134,797,039	155,069,531	17,903,411	31,397,228	13,936,506	3,743,625	736,930	1,891,265	45,218,145
Rider Development															
Amount to be collected/refunded															
Allocator															
16 RSVA Wholesale Mkt SrChg	\$	(43,683,952)	kWh Excl WMP	(\$3,719,931)	(\$9,507,880)	(\$8,915,515)	(\$512,888)	(\$4,004,687)	(\$4,507,626)	(\$1,112,737)	(\$1,971,137)	(\$236,799)	(\$41,788)	(\$45,944)	(\$46,900)
17 RSVA Tx Network	\$	38,835,594	kWh	\$2,242,545	\$5,731,786	\$5,374,681	\$490,046	\$2,414,209	\$2,717,403	\$670,809	\$1,188,292	\$142,753	\$25,192	\$27,697	\$28,274
18 RSVA Tx Connection	\$	17,279,237	kWh	\$997,782	\$2,550,261	\$2,391,373	\$218,038	\$1,074,161	\$1,209,062	\$298,465	\$528,710	\$63,516	\$11,209	\$12,323	\$12,580
19 RSVA LV Wheeling	\$	2,240,340	kWh	\$129,367	\$330,654	\$310,054	\$28,270	\$139,270	\$156,761	\$38,697	\$68,550	\$8,235	\$1,453	\$1,598	\$1,631
20 RSVA Provincial Benefit	\$	(20,896,160)	kWh for Non-RPP	(\$744,827)	(\$1,563,155)	(\$1,451,940)	(\$30,379)	(\$1,224,791)	(\$6,115,166)	(\$377,645)	(\$2,759,712)	(\$357,935)	(\$9,808)	(\$4,291)	(\$70,965)
21 RCV/A	\$	246,447	Number of customers	\$40,251	\$84,827	\$63,893	\$27,050	\$17,572	\$1,186	\$3,332	\$357	\$935	\$5,496	\$1,074	\$320
22 OEB Costs	\$	9,093,327	OM&A	\$613,058	\$1,994,500	\$3,459,244	\$653,297	\$953,442	\$659,285	\$129,477	\$134,934	\$92,701	\$46,864	\$25,658	\$37,439
23 DSC Exemption	\$	5,512,640	2018 Revenue Requirement Share	\$307,793	\$1,124,214	\$2,044,363	\$359,401	\$601,521	\$572,990	\$83,179	\$119,055	\$50,061	\$17,575	\$11,867	\$26,099
24 SPC	\$	173,840	kWh	\$10,038	\$25,657	\$24,059	\$2,194	\$10,807	\$12,164	\$3,003	\$5,319	\$639	\$113	\$124	\$127
25 Tax/HST	\$	(20,700,027)	NFA	(\$918,406)	(\$3,730,145)	(\$7,977,748)	(\$1,324,504)	(\$2,288,201)	(\$2,554,876)	(\$323,999)	(\$522,863)	(\$186,853)	(\$83,046)	(\$34,815)	(\$17,425)
26 MicroFit Charge	\$	(1,509,726)	OM&A	(\$331,138)	(\$331,138)	(\$574,323)	(\$108,464)	(\$158,296)	(\$108,458)	(\$21,496)	(\$22,402)	(\$15,391)	(\$7,615)	(\$4,260)	(\$6,216)
27 Pension	\$	55,619,259	2018 Revenue Requirement Share	\$3,105,115	\$11,341,427	\$20,624,182	\$3,625,749	\$6,068,335	\$5,790,502	\$839,138	\$1,201,064	\$506,033	\$177,302	\$119,714	\$263,295
28 Joint Use	\$	(304,093)	OM&A	(\$20,502)	(\$66,699)	(\$115,682)	(\$21,847)	(\$31,884)	(\$22,047)	(\$4,330)	(\$4,512)	(\$3,100)	(\$1,534)	(\$858)	(\$1,252)
29 Other	\$	(1,752,515)	2018 Revenue Requirement Share	(\$97,850)	(\$357,397)	(\$649,920)	(\$114,257)	(\$191,229)	(\$182,158)	(\$26,430)	(\$37,849)	(\$15,915)	(\$5,587)	(\$3,772)	(\$8,297)
30 Smart Meter	\$	6,449,236	Number of cust excl unmetered	\$1,086,398	\$2,289,545	\$1,724,530	\$730,100	\$474,291	\$31,999	\$89,941	\$9,644	\$0	\$0	\$0	\$8,627
31 Smart Grid	\$	(5,159,252)	2018 Revenue Requirement Share	(\$288,062)	(\$1,052,146)	(\$1,913,309)	(\$336,361)	(\$562,960)	(\$536,258)	(\$77,847)	(\$111,423)	(\$46,852)	(\$16,448)	(\$11,106)	(\$24,428)
32 Green	\$	(1,077,933)	2018 Revenue Requirement Share	(\$60,185)	(\$219,827)	(\$398,752)	(\$70,277)	(\$117,621)	(\$112,042)	(\$16,265)	(\$23,280)	(\$9,789)	(\$3,437)	(\$2,320)	(\$5,103)
Total Regulatory Assets for Approval															
35	\$	40,360,262		\$ 2,580,801	\$ 8,644,483	\$ 14,018,190	\$ 3,315,167	\$ 3,173,939	\$ (2,998,279)	\$ 195,280	\$ (2,197,254)	\$ 176,129	\$ 114,941	\$ 92,688	\$ 197,808
36															
37															
38	\$	8,072,052		\$ 516,160	\$ 1,728,897	\$ 2,803,638	\$ 663,033	\$ 634,788	\$ (599,656)	\$ 39,056	\$ (439,451)	\$ 35,226	\$ 22,988	\$ 18,538	\$ 39,562
39															
40	\$	7,943,136	Fixed and Volumetric Revenue Def/Var Accounts (Rows 22, 23, 25, 26, 27, 28, 29, 31, 32)	\$ 507,836	\$ 1,740,558	\$ 2,899,411	\$ 532,547	\$ 854,621	\$ 699,187	\$ 116,283	\$ 146,545	\$ 73,979	\$ 24,615	\$ 20,021	\$ 52,823
41	\$	3,414,350	Fixed Portion: Row 40 * (Row10 / (Row10+11))	\$ 300,762	\$ 843,265	\$ 1,626,307	\$ 278,360	\$ 180,768	\$ 33,400	\$ 28,219	\$ 10,564	\$ 1,515	\$ 6,167	\$ 15,647	\$ 39,355
42	\$	4,528,787	Volumetric Portion: Row 40 * (Row11 / (Row10+11))	\$ 207,074	\$ 897,293	\$ 1,273,104	\$ 254,188	\$ 673,853	\$ 665,787	\$ 88,064	\$ 135,980	\$ 72,464	\$ 18,448	\$ 4,375	\$ 13,468
43															
44	\$	1,339,137	Fixed Revenue Def/Var Accounts (Rows 21 & 30)	\$ 225,330	\$ 474,874	\$ 357,685	\$ 151,430	\$ 98,373	\$ 6,637	\$ 18,655	\$ 2,000	\$ 187	\$ 1,099	\$ 215	\$ 1,789
45	\$	2,969,012	Volumetric Revenue Def/Var Accounts (Rows 16, 17, 18, 19, 24)	\$ (68,040)	\$ (173,904)	\$ (163,070)	\$ (14,868)	\$ (73,248)	\$ (82,447)	\$ (20,353)	\$ (36,053)	\$ (4,331)	\$ (764)	\$ (840)	\$ (858)
46	\$	(4,179,232)	Volumetric GA Revenue Account (Row 20)	\$ (148,965)	\$ (312,631)	\$ (290,388)	\$ (6,076)	\$ (244,958)	\$ (1,223,033)	\$ (75,529)	\$ (551,942)	\$ (34,609)	\$ (1,962)	\$ (858)	\$ (14,193)
47															
48	\$	4,753,486	TOTAL FIXED RIDERS REVENUE (ROWS 41+44)	\$ 526,091	\$ 1,318,139	\$ 1,983,992	\$ 429,790	\$ 279,141	\$ 40,037	\$ 46,874	\$ 12,565	\$ 1,702	\$ 7,266	\$ 15,861	\$ 41,144
49	\$	7,497,798	TOTAL VOLUMETRIC RIDER REVENUE (ROWS 42+45)	\$ 139,034	\$ 723,389	\$ 1,110,034	\$ 239,320	\$ 600,605	\$ 583,340	\$ 67,711	\$ 99,927	\$ 68,133	\$ 17,684	\$ 3,534	\$ 12,610
50	\$	(4,179,232)	GA RIDER REVENUE (ROW 46)	\$ (148,965)	\$ (312,631)	\$ (290,388)	\$ (6,076)	\$ (244,958)	\$ (1,223,033)	\$ (75,529)	\$ (551,942)	\$ (34,609)	\$ (1,962)	\$ (858)	\$ (14,193)
51															
52															
53															
54															
55															
56															
57															

ST Volumetric Rider Derivation	\$	Charge Determinant	Rider (\$/kWh)
General	5,584,500	28,915,291	0.1931
Excluding WMP	-1,752,024	10,214,738	-0.1715

Determination of Deferral/Variance Account Rate Rider Amounts by Rate Class (2019)

Allocators	Value	Source	UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST	
Number of Customers	1,337,709	2019 Load Forecast	218,777	462,189	346,430	146,063	94,827	8,463	17,974	1,929	5,074	28,411	5,828	1,909	836	
kWh	34,242,485,635	2019 Load Forecast	1,988,172,849	5,100,546,964	4,718,746,601	427,515,557	2,108,636,356	2,395,736,009	587,984,055	1,042,404,755	127,065,835	22,423,383	24,652,392	25,855,564	15,672,765,319	
kWh excl WMP	23,191,232,980	2019 Load Forecast	1,988,172,849	5,100,546,964	4,718,746,601	427,515,557	2,108,636,356	2,395,736,009	587,984,055	1,042,404,755	127,065,835	22,423,383	24,652,392	25,855,564	4,621,512,660	
kWh for Non-RPP, Non-LDC, and Class B customers	7,554,786,927	2019 Load Forecast	270,952,361	570,759,713	523,054,879	10,874,534	438,948,032	2,212,165,231	135,818,707	993,348,336	63,201,294	3,582,301	1,567,134	26,627,953	2,303,886,452	
Billing kWhs	40,174,260	2019 Load Forecast						8,162,219		2,882,415				255,585	28,874,041	
OM&A	100%	2019 CAM: E2 Allocators sheet	6.83%	22.13%	37.84%	7.13%	10.41%	7.26%	1.43%	1.48%	1.02%	0.49%	0.28%	0.46%	3.24%	
NFA	100%	2019 CAM: E2 Allocators sheet	4.40%	18.09%	38.42%	6.32%	10.95%	12.56%	1.56%	2.56%	0.91%	0.40%	0.17%	0.08%	3.59%	
Revenue From Rates	1,616,959,671	2019 Rate Design	86,751,596	319,256,518	605,777,404	105,783,481	174,679,618	173,606,485	24,722,751	35,871,454	14,951,339	5,398,435	3,353,417	8,793,259	58,013,914	
Fixed Revenue Requirement	676,350,935	2019 Rate Design	51,377,965	154,673,253	339,786,285	55,292,445	36,947,944	8,293,244	5,999,564	2,585,963	306,156	1,352,428	2,620,676	6,551,237	10,563,777	
Volumetric Revenue Requirement	940,608,736	2019 Rate Design	35,373,630	164,583,265	265,991,119	50,491,036	137,731,674	165,313,241	18,723,188	33,285,491	14,645,183	4,046,007	732,742	2,242,022	47,450,137	
Rider Development																
Amount to be collected/refunded		Allocator														
RSVA Wholesale Mkt SrChg	\$	(43,683,952)	kWh Exc WMP	(\$3,745,003)	(\$9,607,598)	(\$8,888,423)	(\$806,286)	(\$3,971,913)	(\$4,512,706)	(\$1,107,513)	(\$1,963,516)	(\$239,346)	(\$42,238)	(\$46,436)	(\$8,705,270)	
RSVA Tx Network	\$	38,935,594	kWh	\$2,254,856	\$5,794,708	\$5,351,695	\$484,860	\$2,391,478	\$2,717,088	\$666,830	\$1,182,227	\$144,110	\$25,431	\$27,959	\$17,775,029	
RSVA Tx Connection	\$	17,279,237	kWh	\$1,003,260	\$2,573,807	\$2,381,146	\$215,730	\$1,064,047	\$1,208,922	\$296,695	\$526,012	\$64,119	\$11,315	\$12,440	\$7,908,697	
RSVA LV Wheeling	\$	2,240,340	kWh	\$130,078	\$333,707	\$308,727	\$27,971	\$137,959	\$156,743	\$38,468	\$68,200	\$8,313	\$1,467	\$1,613	\$1,025,402	
RSVA Provincial Benefit	\$	(20,896,160)	kWh for Non-RPP	(\$749,441)	(\$1,578,693)	(\$1,446,743)	(\$30,078)	(\$1,214,108)	(\$6,118,738)	(\$375,668)	(\$2,747,551)	(\$174,812)	(\$9,908)	(\$4,335)	(\$73,652)	
RCVA	\$	246,447	Number of customers	\$40,306	\$85,149	\$63,823	\$26,909	\$17,470	\$1,191	\$3,311	\$955	\$955	\$5,418	\$1,074	\$352	
OEB Costs	\$	9,093,327	OM&A	\$620,863	\$2,012,481	\$3,440,855	\$648,771	\$946,587	\$659,817	\$129,609	\$134,603	\$92,614	\$44,958	\$25,643	\$294,333	
DSC Exemption	\$	5,512,640	2019 Revenue Requirement Share	\$295,759	\$1,088,429	\$2,065,254	\$360,644	\$595,529	\$591,870	\$84,286	\$122,295	\$50,973	\$18,405	\$11,433	\$29,979	
SPC	\$	173,840	kWh	\$10,993	\$25,894	\$23,956	\$2,170	\$10,705	\$12,163	\$2,985	\$5,292	\$645	\$114	\$125	\$131	
Tax/HST	\$	(20,700,027)	NFA	(\$909,849)	(\$3,743,761)	(\$7,953,464)	(\$1,308,018)	(\$2,266,027)	(\$2,599,900)	(\$322,445)	(\$529,258)	(\$188,907)	(\$82,300)	(\$35,003)	(\$17,367)	
MicroFit Charge	\$	(1,509,726)	OM&A	(\$103,079)	(\$334,123)	(\$571,270)	(\$107,713)	(\$157,154)	(\$109,546)	(\$21,518)	(\$22,347)	(\$15,376)	(\$7,464)	(\$4,291)	(\$6,975)	
Pension	\$	55,613,259	2019 Revenue Requirement Share	\$2,983,710	\$10,980,419	\$20,834,939	\$3,638,287	\$6,007,882	\$5,970,973	\$850,307	\$1,233,753	\$514,232	\$185,672	\$115,336	\$302,433	
Joint Use	\$	(304,093)	OM&A	(\$67,300)	(\$115,067)	(\$21,696)	(\$31,655)	(\$189,324)	(\$22,065)	(\$4,334)	(\$4,501)	(\$3,097)	(\$1,503)	(\$864)	(\$1,405)	
Other	\$	(1,752,515)	2019 Revenue Requirement Share	(\$94,024)	(\$346,021)	(\$656,562)	(\$114,652)	(\$189,324)	(\$188,160)	(\$26,795)	(\$38,879)	(\$16,205)	(\$5,851)	(\$3,635)	(\$9,530)	
Smart Meter	\$	6,449,236	Number of cust excl unmetered	\$1,087,522	\$2,297,497	\$1,722,071	\$726,068	\$471,378	\$32,126	\$89,346	\$9,587	\$0	\$0	\$0	\$9,489	
Smart Grid	\$	(5,159,252)	2019 Revenue Requirement Share	(\$276,799)	(\$1,016,655)	(\$1,932,861)	(\$337,525)	(\$557,352)	(\$553,928)	(\$78,883)	(\$114,455)	(\$47,705)	(\$17,225)	(\$10,700)	(\$28,057)	
Green	\$	(1,077,833)	2019 Revenue Requirement Share	(\$57,832)	(\$212,830)	(\$403,837)	(\$70,520)	(\$116,449)	(\$115,733)	(\$16,481)	(\$3,913)	(\$9,967)	(\$3,599)	(\$2,236)	(\$5,862)	
Total Regulatory Assets for Approval																
Recovery per year		\$	8,072,052	\$	493,931	\$	1,654,622	\$	2,844,847	\$	667,185	\$	627,807	\$	(573,977)	
Fixed and Volumetric Revenue Del/Var Accounts (Rows 22, 23, 25, 26, 27, 28, 29, 31, 32)	\$	7,943,136	\$	487,597	\$	1,671,728	\$	2,941,597	\$	537,516	\$	846,403	\$	726,665	\$	118,749
Fixed Portion: Row 40 * (Row10 / (Row10+11))	\$	3,402,602	\$	288,776	\$	809,918	\$	1,649,970	\$	280,957	\$	179,030	\$	34,713	\$	28,817
Volumetric Portion: Row 40 * (Row11 / (Row10+11))	\$	4,540,534	\$	198,821	\$	861,810	\$	1,291,628	\$	256,559	\$	667,374	\$	691,952	\$	89,932
Fixed Revenue Del/Var Accounts (Rows 21 & 30)	\$	1,339,137	\$	225,566	\$	476,529	\$	357,179	\$	150,595	\$	97,770	\$	6,663	\$	18,531
Volumetric Revenue Del/Var Accounts (Rows 16, 17, 18, 19, 24)	\$	2,969,012	\$	(69,343)	\$	(177,896)	\$	(164,580)	\$	(14,911)	\$	(73,545)	\$	(83,558)	\$	(20,507)
Volumetric GA Revenue Account (Row 20)	\$	(4,179,232)	\$	(149,888)	\$	(315,739)	\$	(289,349)	\$	(6,016)	\$	(242,822)	\$	(1,223,748)	\$	(75,134)
TOTAL FIXED RIDERS REVENUE (ROWS 41+44)	\$	4,741,738	\$	514,341	\$	1,286,447	\$	2,007,149	\$	431,552	\$	276,800	\$	41,376	\$	47,349
TOTAL VOLUMETRIC RIDER REVENUE (ROWS 42+45)	\$	7,509,546	\$	129,478	\$	683,913	\$	1,127,048	\$	241,648	\$	593,829	\$	606,394	\$	69,425
GA RIDER REVENUE (ROW 46)	\$	(4,179,232)	\$	(149,888)	\$	(315,739)	\$	(289,349)	\$	(6,016)	\$	(242,822)	\$	(1,223,748)	\$	(75,134)
Final Rate Rider Amounts																
Monthly Fixed Rider		UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST		
Volumetric Rider-General (kWh)		0.20	0.23	0.48	0.25	0.24	0.53	0.22	0.56	0.03	0.02	0.22	2.07	5.17		
Volumetric Rider-General (kW)		0.0001	0.0001	0.0002	0.0006	0.0003		0.0001		0.0005	0.0008	0.0001				
Volumetric Rider-GA		(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)		0.0745		0.0361			0.0574			
*see ST rider derivation below (0.0006)																

ST Volumetric Rider Derivation	\$	Charge Determinant	Rider (\$/kW)
General	5,586,482	28,874,041	0.1935
Excluding WMP	-1,741,054	10,180,327	-0.171

REVENUE SMOOTHING RIDER CALCULATION

- Attachment 1: Calculation of Revenue Smoothing Rate Rider – Fixed and Variable – 2015
- Attachment 2: Calculation of Revenue Smoothing Rate Rider – Fixed and Variable – 2016
- Attachment 3: Calculation of Revenue Smoothing Rate Rider – Fixed and Variable – 2017
- Attachment 4: Calculation of Revenue Smoothing Rate Rider – Fixed and Variable – 2018
- Attachment 5: Calculation of Revenue Smoothing Rate Rider – Fixed and Variable – 2019

Name of LDC: Hydro One Netowrks Inc.
File Number: EB-2013-0416
Effective Date: January 1, 2015

Calculation of Revenue Smoothing Rate Rider - Fixed and Variable (2015)

Rate Class		Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Service Charge Rider Revenue D = \$N * (A/\$O)	Distribution Volumetric Charge Rider Revenue kWh E = \$N * (B/\$O)	Distribution Volumetric Charge Rider Revenue kW F = \$N * (C/\$O)	Total Revenue by Rate Class G = D + E + F	Billed Customers or Connections H	Billed kWh I	Billed kW J	Service Charge Rate Rider K = D / H / 12	Distribution Volumetric Rate kWh L = E / I	Distribution Volumetric Rate kW M = F / J
Residential – Urban [UR]	UR	51,060,802	35,155,264		\$ (2,099,400)	\$ (1,445,433)	\$ -	\$ (3,544,832)	209,756	1,965,400,736	0	UR	-\$0.83	-\$0.0007
Residential – Medium Density [R1]	R1	146,981,097	156,398,268		\$ (6,043,228)	\$ (6,430,421)	\$ -	\$ (12,473,650)	438,731	4,966,297,663	0	R1	-\$1.15	-\$0.0013
Residential – Low Density [R2]	R2	275,660,225	215,792,029		\$ (11,333,958)	\$ (8,872,436)	\$ -	\$ (20,206,395)	335,388	4,848,234,944	0	R2	-\$2.82	-\$0.0018
Seasonal Residential	Sea	46,215,637	42,202,428		\$ (1,900,187)	\$ (1,735,182)	\$ -	\$ (3,635,369)	143,814	450,037,308	0	Sea	-\$1.10	-\$0.0039
General Service Energy Billed (less than to 50 kW) [GSe - metered]	GSi	32,526,857	121,251,090		\$ (1,337,364)	\$ (4,985,321)	\$ -	\$ (6,322,685)	93,605	2,211,095,023	0	GSi	-\$1.19	-\$0.0023
General Service Demand Billed (50 kW and above) [GSd]	GSi	6,031,569		120,230,188	\$ (247,992)	\$ -	\$ (4,943,346)	\$ (5,191,338)	6,119	2,420,931,372	8,248,059	GSi	-\$3.38	-\$0.5993
Urban General Service Energy Billed (less than 50 kW) [UGe]	UGi	4,798,937	14,976,322		\$ (197,312)	\$ (615,762)	\$ -	\$ (813,073)	17,786	608,469,028	0	UGi	-\$0.92	-\$0.0010
Urban General Service Demand Billed (50 kW and above) [UGd]	UGi	1,927,449		24,809,362	\$ (79,248)	\$ -	\$ (1,020,054)	\$ (1,099,302)	1,903	1,075,320,254	2,973,431	UGi	-\$3.47	-\$0.3431
Street Lighting	St L	235,424	11,261,680		\$ (9,680)	\$ (463,032)	\$ -	\$ (472,711)	4,888	123,535,657	0	St L	-\$0.17	-\$0.0037
Sentinel Lighting	Sen	872,061	2,608,913		\$ (35,855)	\$ (107,267)	\$ -	\$ (143,123)	30,040	21,800,410	0	Sen	-\$0.10	-\$0.0049
	USL	2,652,506	741,641		\$ (109,060)	\$ (30,493)	\$ -	\$ (139,553)	5,647	23,972,381	0	USL	-\$1.61	-\$0.0013
Distributed Generation [DGen]	Dge	2,019,735		691,211	\$ (83,043)	\$ -	\$ (28,420)	\$ (111,462)	1,011	21,107,838	208,653	Dge	-\$6.84	-\$0.1362
Sub-Transmission [ST]	ST	8,404,423		37,750,799	\$ (345,554)	\$ -	\$ (1,552,150)	\$ (1,897,703)	811	15,954,657,697	29,377,885	ST	-\$35.52	-\$0.0528
Total Revenue from Rates			1,363,255,917		\$ (23,821,880)	\$ (24,685,347)	\$ (7,543,970)	\$ (56,051,197)						
				\$0				\$N						

Name of LDC: Hydro One Netowrks Inc.
File Number: EB-2013-0416
Effective Date: January 1, 2016

Calculation of Revenue Smoothing Rate Rider - Fixed and Variable (2016)

Rate Class		Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Service Charge Rider Revenue D = \$N * (A/\$O)	Distribution Volumetric Charge Rider Revenue kWh E = \$N * (B/\$O)	Distribution Volumetric Charge Rider Revenue kW F = \$N * (C/\$O)	Total Revenue by Rate Class G = D + E + F	Billed Customers or Connections H	Billed kWh I	Billed kW J	Service Charge Rate Rider K = D / H / 12	Distribution Volumetric Rate kWh L = E / I	Distribution Volumetric Rate kW M = F / J
Residential – Urban [UR]	UR	53,018,669	36,503,251		\$ (2,379,675)	\$ (1,638,401)	\$ -	\$ (4,018,076)	212,050	1,978,618,156	0	UR	-\$0.94	-\$0.0008
Residential – Medium Density [R1]	R1	155,777,675	165,758,448		\$ (6,991,880)	\$ (7,439,854)	\$ -	\$ (14,431,734)	444,625	5,018,781,474	0	R1	-\$1.31	-\$0.0015
Residential – Low Density [R2]	R2	299,368,761	234,351,518		\$ (13,436,781)	\$ (10,518,566)	\$ -	\$ (23,955,347)	338,265	4,834,387,221	0	R2	-\$3.31	-\$0.0022
Seasonal Residential	Sea	49,614,777	45,306,398		\$ (2,226,895)	\$ (2,033,519)	\$ -	\$ (4,260,415)	144,433	446,171,962	0	Sea	-\$1.28	-\$0.0046
General Service Energy Billed (less than to 50 kW) [GSe - metered]	GSi	34,626,642	129,078,505		\$ (1,554,172)	\$ (5,793,522)	\$ -	\$ (7,347,695)	93,948	2,193,859,265	0	GSi	-\$1.38	-\$0.0026
General Service Demand Billed (50 kW and above) [GSd]	GSi	6,607,832		131,717,120	\$ (296,584)	\$ -	\$ (5,911,953)	\$ (6,208,537)	6,207	2,424,103,990	8,258,870	GSi	-\$3.98	
Urban General Service Energy Billed (less than 50 kW) [UGe]	UGi	5,111,579	15,952,003		\$ (229,427)	\$ (715,985)	\$ -	\$ (945,412)	17,838	605,559,538	0	UGi	-\$1.07	-\$0.0012
Urban General Service Demand Billed (50 kW and above) [UGd]	UGi	2,096,129		26,980,550	\$ (94,082)	\$ -	\$ (1,210,987)	\$ (1,305,069)	1,910	1,070,997,654	2,961,478	UGi	-\$4.10	
Street Lighting	St L	258,918	12,385,531		\$ (11,621)	\$ (555,909)	\$ -	\$ (567,530)	4,935	124,905,064	0	St L	-\$0.20	-\$0.0045
Sentinel Lighting	Sen	1,016,736	3,041,730		\$ (45,635)	\$ (136,524)	\$ -	\$ (182,159)	29,891	22,042,070	0	Sen	-\$0.13	-\$0.0062
Distributed Generation [DGen]	USL	2,676,666	748,397		\$ (120,139)	\$ (33,591)	\$ -	\$ (153,730)	5,700	24,236,848	0	USL	-\$1.76	-\$0.0014
Sub-Transmission [ST]	Dge	3,207,298		1,097,630	\$ (143,955)	\$ -	\$ (49,266)	\$ (193,221)	1,291	22,979,165	227,151	Dge	-\$9.29	-\$0.2169
	ST	9,071,449		40,746,932	\$ (407,160)	\$ -	\$ (1,828,874)	\$ (2,236,034)	817	15,907,664,871	29,194,091	ST	-\$41.53	-\$0.0626
Total Revenue from Rates			1,466,121,144		\$ (27,938,007)	\$ (28,865,872)	\$ (9,001,080)	\$ (65,804,958)						
					\$0		\$N							

Name of LDC: Hydro One Netowrks Inc.
File Number: EB-2013-0416
Effective Date: January 1, 2017

Calculation of Revenue Smoothing Rate Rider - Fixed and Variable (2017)

Rate Class		Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Service Charge Rider Revenue D = \$N * (A/\$O)	Distribution Volumetric Charge Rider Revenue kWh E = \$N * (B/\$O)	Distribution Volumetric Charge Rider Revenue kW F = \$N * (C/\$O)	Total Revenue by Rate Class G = D + E + F	Billed Customers or Connections H	Billed kWh I	Billed kW J	Service Charge Rate Rider K = D / H / 12	Distribution Volumetric Rate kWh L = E / I	Distribution Volumetric Rate kW M = F / J
Residential – Urban [UR]	UR	52,752,521	36,320,009		\$ (722,928)	\$ (497,735)	\$ -	\$ (1,220,663)	214,344	1,986,454,088	0	UR	-\$0.28	-\$0.0003
Residential – Medium Density [R1]	R1	156,513,522	166,541,442		\$ (2,144,885)	\$ (2,282,309)	\$ -	\$ (4,427,194)	450,575	5,058,238,248	0	R1	-\$0.40	-\$0.0005
Residential – Low Density [R2]	R2	312,936,232	244,972,391		\$ (4,288,525)	\$ (3,357,138)	\$ -	\$ (7,645,663)	341,097	4,807,632,541	0	R2	-\$1.05	-\$0.0007
Seasonal Residential	Sea	51,720,781	47,229,524		\$ (708,789)	\$ (647,240)	\$ -	\$ (1,356,030)	145,020	441,085,688	0	Sea	-\$0.41	-\$0.0015
General Service Energy Billed (less than to 50 kW) [GSe - metered]	GSi	35,542,402	132,492,203		\$ (487,078)	\$ (1,815,693)	\$ -	\$ (2,302,771)	94,269	2,170,573,551	0	GSi	-\$0.43	-\$0.0008
General Service Demand Billed (50 kW and above) [GSd]	GSi	7,194,129		143,404,059	\$ (98,589)	\$ -	\$ (1,965,231)	\$ (2,063,820)	6,294	2,420,634,341	8,247,045	GSd	-\$1.31	-\$0.2383
Urban General Service Energy Billed (less than 50 kW) [UGe]	UGi	5,434,474	16,959,680		\$ (74,475)	\$ (232,418)	\$ -	\$ (306,893)	17,887	601,032,601	0	UGi	-\$0.35	-\$0.0004
Urban General Service Demand Billed (50 kW and above) [UGd]	UGi	2,269,467		29,211,687	\$ (31,101)	\$ -	\$ (400,321)	\$ (431,422)	1,916	1,063,813,632	2,941,614	UGd	-\$1.35	-\$0.1361
Street Lighting	St L	276,884	13,244,940		\$ (3,794)	\$ (181,511)	\$ -	\$ (185,305)	4,983	125,938,798	0	St L	-\$0.06	-\$0.0014
Sentinel Lighting	Sen	1,137,529	3,403,103		\$ (15,589)	\$ (46,637)	\$ -	\$ (62,225)	29,730	22,224,494	0	Sen	-\$0.04	-\$0.0021
	USL	2,688,574	751,726		\$ (36,845)	\$ (10,302)	\$ -	\$ (47,146)	5,745	24,436,176	0	USL	-\$0.53	-\$0.0004
Distributed Generation [DGen]	Dge	4,376,770		1,497,856	\$ (59,980)	\$ -	\$ (20,527)	\$ (80,507)	1,526	24,086,305	238,095	Dge	-\$3.28	-\$0.0862
Sub-Transmission [ST]	ST	9,545,935		42,878,219	\$ (130,819)	\$ -	\$ (587,610)	\$ (718,428)	823	15,837,499,412	29,126,587	ST	-\$13.24	-\$0.0202
Total Revenue from Rates			1,521,296,059		\$ (8,803,398)	\$ (9,070,983)	\$ (2,973,688)	\$ (20,848,069)						
					\$0		\$N							

Name of LDC: Hydro One Netowrks Inc.
File Number: EB-2013-0416
Effective Date: January 1, 2018

Calculation of Revenue Smoothing Rate Rider - Fixed and Variable (2018)

Rate Class		Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Service Charge Rider Revenue D = \$N * (A/\$O)	Distribution Volumetric Charge Rider Revenue kWh E = \$N * (B/\$O)	Distribution Volumetric Charge Rider Revenue kW F = \$N * (C/\$O)	Total Revenue by Rate Class G = D + E + F	Billed			Service Charge Rate Rider K = D / H / 12	Distribution Volumetric Rate kWh Rate Rider L = E / I	Distribution Volumetric Rate kW Rate Rider M = F / J	
									Customers or Connections H	Billed kWh I	Billed kW J				
Residential – Urban [UR]	UR	51,807,938	35,669,666		\$ 1,264,666	\$ 870,720	-	\$ 2,135,386	216,595	1,982,491,032	0	UR	\$0.49	\$0.0004	
Residential – Medium Density [R1]	R1	154,796,948	164,714,886		\$ 3,778,695	\$ 4,020,799	-	\$ 7,799,494	456,466	5,067,106,168	0	R1	\$0.69	\$0.0008	
Residential – Low Density [R2]	R2	325,903,302	255,123,258		\$ 7,955,514	\$ 6,227,727	-	\$ 14,183,241	343,819	4,751,412,321	0	R2	\$1.93	\$0.0013	
Seasonal Residential	Sea	53,390,620	48,754,360		\$ 1,303,300	\$ 1,190,126	-	\$ 2,493,426	145,560	433,218,475	0	Sea	\$0.75	\$0.0027	
General Service Energy Billed (less than 50 kW) [GSe - metered]	GSi	36,160,698	134,797,039		\$ 882,706	\$ 3,290,484	-	\$ 4,173,191	94,559	2,134,248,216	0	GSi	\$0.78	\$0.0015	
General Service Demand Billed (50 kW and above) [GSd]	GSd	7,779,349		155,069,531	\$ 189,899	-	\$ 3,785,349	\$ 3,975,248	6,380	2,402,282,927	8,184,523	GSd	\$2.48		\$0.4625
Urban General Service Energy Billed (less than 50 kW) [UGe]	UGi	5,736,879	17,903,411		\$ 140,041	\$ 437,034	-	\$ 577,075	17,932	593,019,449	0	UGi	\$0.65	\$0.0007	
Urban General Service Demand Billed (50 kW and above) [UGd]	UGd	2,439,263		31,397,228	\$ 59,544	-	\$ 766,427	\$ 825,971	1,923	1,050,492,744	2,904,780	UGd	\$2.58		\$0.2639
Street Lighting	St L	291,341	13,936,506		\$ 7,112	\$ 340,199	-	\$ 347,311	5,029	126,198,829	0	St L	\$0.12	\$0.0027	
Sentinel Lighting	Sen	1,251,353	3,743,625		\$ 30,546	\$ 91,384	-	\$ 121,931	29,575	22,270,382	0	Sen	\$0.09	\$0.0041	
Distributed Generation [DGen]	Dge	5,526,319		1,891,265	\$ 134,901	-	\$ 46,167	\$ 181,068	1,720	24,994,986	247,078	Dge	\$6.54		\$0.1869
Sub-Transmission [ST]	ST	10,066,871		45,218,145	\$ 245,739	-	\$ 1,103,805	\$ 1,349,544	829	15,719,848,798	28,915,291	ST	\$24.69		\$0.0382
Total Revenue from Rates					\$ 16,057,002	\$ 16,486,463	\$ 5,701,748	\$ 38,245,213							
					\$0		\$N								

Name of LDC: Hydro One Netowrks Inc.
File Number: EB-2013-0416
Effective Date: January 1, 2019

Calculation of Revenue Smoothing Rate Rider - Fixed and Variable (2019)

Rate Class		Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Service Charge Rider Revenue D = \$N * (A/\$O)	Distribution Volumetric Charge Rider Revenue kWh E = \$N * (B/\$O)	Distribution Volumetric Charge Rider Revenue kW F = \$N * (C/\$O)	Total Revenue by Rate Class G = D + E + F	Billed Customers or Connections H	Billed kWh I	Billed kW J	Service Charge Rate Rider K = D / H / 12	Distribution Volumetric Rate kWh Rider L = E / I	Distribution Volumetric Rate kW Rate Rider M = F / J
Residential – Urban [UR]	UR	51,377,965	35,373,630		\$ 3,325,215	\$ 2,289,404	\$ -	\$ 5,614,620	218,777	1,988,172,849	0	\$1.27	\$0.0012	
Residential – Medium Density [R1]	R1	154,673,253	164,583,265		\$ 10,010,554	\$ 10,651,936	\$ -	\$ 20,662,489	462,189	5,100,546,964	0	\$1.80	\$0.0021	
Residential – Low Density [R2]	R2	339,786,285	265,991,119		\$ 21,991,189	\$ 17,215,118	\$ -	\$ 39,206,308	346,430	4,718,746,601	0	\$5.29	\$0.0036	
Seasonal Residential	Sea	55,292,445	50,491,036		\$ 3,578,563	\$ 3,267,813	\$ -	\$ 6,846,376	146,063	427,515,557	0	\$2.04	\$0.0076	
General Service Energy Billed (less than to 50 kW) [GSe - metered]	GSi	36,947,944	137,731,674		\$ 2,391,295	\$ 8,914,084	\$ -	\$ 11,305,379	94,827	2,108,636,356	0	\$2.10	\$0.0042	
General Service Demand Billed (50 kW and above) [GSd]	GSi	8,293,244		165,313,241	\$ 536,744	\$ -	\$ 10,699,180	\$ 11,235,925	6,463	2,395,736,009	8,162,219	\$6.92		\$1.3108
Urban General Service Energy Billed (less than 50 kW) [UGe]	UGi	5,999,564	18,723,188		\$ 388,296	\$ 1,211,777	\$ -	\$ 1,600,073	17,974	587,964,055	0	\$1.80	\$0.0021	
Urban General Service Demand Billed (50 kW and above) [UGd]	UGi	2,585,963		33,285,491	\$ 167,365	\$ -	\$ 2,154,259	\$ 2,321,624	1,929	1,042,404,755	2,882,415	\$7.23		\$0.7474
Street Lighting	St L	306,156	14,645,183		\$ 19,815	\$ 947,846	\$ -	\$ 967,660	5,074	127,065,835	0	\$0.33	\$0.0075	
Sentinel Lighting	Sen	1,352,428	4,046,007		\$ 87,530	\$ 261,860	\$ -	\$ 349,390	29,411	22,423,383	0	\$0.25	\$0.0117	
Distributed Generation [DGen]	USL	2,620,676	732,742		\$ 169,612	\$ 47,424	\$ -	\$ 217,035	5,828	24,652,392	0	\$2.43	\$0.0019	
Sub-Transmission [ST]	Dge	6,551,237		2,242,022	\$ 424,000	\$ -	\$ 145,105	\$ 569,105	1,909	25,855,564	255,585	\$18.51		\$0.5677
	ST	10,563,777		47,450,137	\$ 683,694	\$ -	\$ 3,071,004	\$ 3,754,698	835	15,672,765,315	28,874,041	\$68.21		\$0.1064
Total Revenue from Rates			1,616,959,671		\$ 43,773,872	\$ 44,807,261	\$ 16,069,548	\$ 104,650,682						
					\$0		\$N							

RETAIL TRANSMISSION SERVICE RATES

1.0 INTRODUCTION

Hydro One proposes to update the Retail Transmission Service Rates (“RTSR”) approved in proceeding EB-2013-0141 to reflect the proposed new Uniform Transmission Rates (“UTR”) effective January 1, 2014 approved by the Board as part of proceeding EB-2012-0031. It is expected that the Board will approve new UTRs on an annual basis. In the event a new UTR is approved at the time a Draft Rate Order for new Distribution rates in a specific year is prepared over the Custom COS period, Hydro One will update the proposed RTSR to reflect the new UTR as a part of the Draft Rate Order process. Changes to the UTR will also affect some Sub-Transmission (“ST”) rates, as discussed in Exhibit G1, Tab 4, Schedule 1. As such, the impacted ST rates will also be updated as a part of the Draft Rate Order process.

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

1.1 Hydro One Distribution Situation

Hydro One is billed by the IESO at each of its transmission delivery points for the transmission of power to its Retail customers and Embedded LDCs. Total transmission charges are the sum of all applicable Network, Line Connection and Transformation Connection charges at these delivery points. Delivery point charges are based on the contribution of customer’s load downstream of the delivery point. A large amount of power purchased by Hydro One is supplied to its ST customer class, which includes

1 embedded LDCs. For these customers, metering data is available to accurately identify
2 the ST share of the transmission charges incurred by Hydro One. Given the need to first
3 split transmission charges between ST and non-ST customers, Hydro One does not use
4 the Board's RTSR workform approach for establishing its RTSR rates. Rather, Hydro
5 One uses the methodology that has been reviewed and approved by the Board for Hydro
6 One's distribution rate filings since 2008, and is consistent with the methodology
7 outlined in Chapter 11 of the 2000 Distribution Rate Handbook. This methodology is
8 described in Section 2 of this Exhibit.

9 10 **1.2 Approved Transmission Rates**

11
12 The UTR as proposed by Hydro One Transmission in proceeding EB-2012-0031,
13 effective January 1, 2014 comprise the following charges:

- 14
- 15 • A Transmission Network charge of \$3.82/kW to be applied to the demand at each
16 transmission delivery point based on billed demand which is defined to be the larger
17 of: a) 85% of non-coincident peak from 7 a.m. to 7 p.m. IESO business days or b) the
18 peak coincident with the transmission system peak.
 - 19
 - 20 • Line and transformation connection charges of \$0.82/kW and \$1.98/kW, respectively,
21 which are applied to the non-coincident peak at each transmission delivery point.
 - 22

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

1 **2.0 ESTIMATING RETAIL TRANSMISSION SERVICE CHARGES FROM**
2 **IESO**

3
4 To estimate the transmission charges from the IESO, Hydro One used the forecast 2015
5 load at each of its transmission connections and applied the currently approved
6 Transmission rates as of January 1, 2014. This resulted in a estimated charge of \$232.6
7 million for Network charges, \$119.4 million for Transformation Connection charges and
8 \$42.3 million for Line Connection charges for a total of \$394.4 million, as shown in
9 Table 1.

10
11 The estimated 2015 transmission charges from the IESO need to be recovered from all
12 Hydro One's distribution customers. For the ST customer class, sufficient connectivity
13 data exists to allow Hydro One to allocate the appropriate share of transmission charges
14 based on the total ST customer's load coincident with the IESO's monthly billing peak
15 for their transmission delivery point. This results in 46% of the \$394.4 million being
16 allocated to the ST class with the residual 54% being recovered from the other rate
17 classes. Among the other rate classes, hourly load shape data is used to allocate the costs
18 to each individual class, consistent with the methodology of Chapter 11 of the 2000
19 Electricity Distribution Rate Handbook.

20
21 Table 1 shows the estimated 2015 IESO charges allocated to the customer classes. Since
22 the data in Table 1 will be impacted by changes to the UTR, Hydro One proposes to
23 provide an update to the table below as part of the Draft Rate Order process for
24 subsequent years of the Custom COS period.

Table 1

Forecast 2015 IESO Transmission Charges by Rate Class

	Tx Network	Tx Line	Tx Transformation	Total IESO Bill	Share
IESO Bill	\$232,644,239	\$42,310,132	\$119,439,699	\$394,394,070	
ST	\$110,479,564	\$18,018,182	\$54,120,390	\$182,618,136	46%
Retail	\$122,164,675	\$24,291,950	\$65,319,309	\$211,775,934	54%
UR	\$13,997,987	\$2,839,551	\$7,635,350	\$24,472,888	
R1	\$33,570,811	\$6,986,819	\$18,787,055	\$59,344,685	
R2	\$33,125,117	\$6,869,886	\$18,472,630	\$58,467,634	
Seasonal	\$2,470,397	\$608,854	\$1,637,165	\$4,716,416	
UGe	\$4,004,813	\$683,072	\$1,836,731	\$6,524,616	
UGd	\$6,225,094	\$1,114,271	\$2,996,194	\$10,335,558	
GSe	\$13,947,334	\$2,433,248	\$6,542,830	\$22,923,413	
GSd	\$13,961,018	\$2,566,129	\$6,900,138	\$23,427,285	
DGen	\$119,329	\$21,473	\$57,739	\$198,541	
USL	\$121,863	\$22,502	\$60,507	\$204,872	
Lighting	\$620,912	\$146,144	\$392,970	\$1,160,027	

3.0 PROPOSED 2015 RTSR

The transmission charges allocated to each rate class shown in Table 1 are divided by the corresponding billing parameters for each class, resulting in the proposed 2015 RTSR

1 rates shown in Table 2. Table 2 also shows the currently approved RTSR filed in
2 Proceeding EB-2013-0141.

3
4 The proposed RTSR for 2015 will be updated in the event new UTR are approved to be
5 effect in 2015, at the time the 2015 Draft Rate Order for this proceeding is submitted. An
6 update to Table 2 will be provided as part of the Draft Rate Order process for subsequent
7 years of the Custom COS period.

8
9 Energy-billed customers will be charged RTSR applied to metered quantities uplifted for
10 losses. Demand-billed customers will be charged the rates shown, uplifted for losses.
11 For customers that installed load displacement generation after October 1998, the RTSR
12 connection charge is billed on gross demand consistent with section 11.3.2.5 of the
13 Distribution Rate Handbook.

Table 2

Proposed 2015 RTSR

RATE CLASS	Approved 2014 Rates		Proposed 2015 Rates	
	Network	Line Connection	Network	Line Connection
UR (\$/kWh)	0.00707	0.00489	0.0067	0.0050
R1 (\$/kWh)	0.00719	0.00499	0.0063	0.0048
R2 (\$/kWh)	0.00702	0.00470	0.0062	0.0047
Seasonal (\$/kWh)	0.00663	0.00460	0.0050	0.0045
UGe (\$/kWh)	0.00544	0.00358	0.0062	0.0039
UGd (\$/kW)	1.78	1.17	1.9939	1.3166
GSe (\$/kWh)	0.00527	0.00350	0.0058	0.0037
GSd (\$kW)	1.71	1.11	1.5953	1.0817
DGen (\$/kW)	0.36	0.23	0.5390	0.3578
USL (\$/kWh)	0.00527	0.00350	0.0047	0.0032
St. and Sen. Lights (\$/kWh)	0.00442	0.00297	0.0039	0.0034
ST (\$/kW)	3.23	0.65 Line	3.4677	0.7557 Line
		1.62 Transf.		1.7954 Transf.

BILL IMPACT SUMMARY

1.0 DISTRIBUTION AND TOTAL BILL IMPACTS

Table 1 provides a summary of the distribution and total bill impacts by rate class for a range of high, typical and low customer consumption levels including all riders.

A detailed calculation of the impacts by bill component for each rate class, per the Board's Appendix 2-W filing requirements, is provided in Exhibit G2, Tab 4, Schedule 1.

As per the Appendix 2-W requirements and section 2.11.11 of the Board's filing requirements, the bill impacts have been calculated holding constant the commodity and regulatory charges (i.e. wholesale market service rate, rural rate protection charge, debt retirement charge, Ontario Clean Energy Benefit). The RTSR charges have been updated for 2015 to reflect the proposed Uniform Transmission Rates for 2014, and are held constant for the remainder of the Custom COS period.

Table 1

Distribution and Total Bill Impacts by Rate Class

Rate Class	Consumption Level	Monthly Consumption (kWh)	Monthly Peak (kW)	2015				2016				2017				2018				2019			
				Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)
UR	Low	100		\$2.16	11.2%	\$2.17	6.7%	\$0.47	2.2%	\$0.48	1.4%	\$0.36	1.6%	\$0.37	1.0%	\$0.22	1.0%	\$0.22	0.6%	\$0.48	2.1%	\$0.49	1.4%
	Typical	800		(\$4.05)	-10.8%	(\$4.35)	-3.3%	\$0.75	2.2%	\$0.76	0.6%	\$0.64	1.9%	\$0.65	0.5%	\$0.50	1.4%	\$0.51	0.4%	\$0.90	2.5%	\$0.92	0.7%
	High	2,000		(\$14.71)	-21.3%	(\$15.52)	-5.1%	\$1.23	2.3%	\$1.25	0.4%	\$1.12	2.0%	\$1.14	0.4%	\$0.98	1.7%	\$1.00	0.3%	\$1.62	2.8%	\$1.65	0.6%
R1	Low	100		\$2.51	9.1%	\$2.44	6.0%	\$1.24	4.1%	\$1.26	2.9%	\$0.74	2.4%	\$0.75	1.7%	\$0.47	1.5%	\$0.48	1.1%	\$0.84	2.6%	\$0.85	1.9%
	Typical	800		(\$0.69)	-1.3%	(\$1.64)	-1.1%	\$2.15	4.2%	\$2.19	1.5%	\$1.37	2.6%	\$1.39	0.9%	\$1.03	1.9%	\$1.05	0.7%	\$1.61	2.9%	\$1.64	1.1%
	High	2,000		(\$6.17)	-6.6%	(\$8.64)	-2.6%	\$3.71	4.2%	\$3.77	1.2%	\$2.45	2.7%	\$2.49	0.8%	\$1.99	2.1%	\$2.02	0.6%	\$2.93	3.1%	\$2.98	0.9%
R2	Low	100		\$2.97	8.0%	\$2.93	5.8%	\$5.14	12.9%	\$5.23	9.7%	\$5.36	11.9%	\$5.45	9.3%	\$5.99	11.9%	\$6.09	9.5%	\$6.61	11.7%	\$6.72	9.5%
	Typical	800		\$5.47	8.5%	\$4.83	3.0%	\$7.66	10.9%	\$7.79	4.6%	\$8.16	10.5%	\$8.30	4.7%	\$9.28	10.8%	\$9.44	5.1%	\$10.11	10.6%	\$10.28	5.3%
	High	2,000		\$9.77	8.7%	\$8.09	2.3%	\$11.98	9.9%	\$12.18	3.3%	\$12.96	9.7%	\$13.18	3.5%	\$14.92	10.2%	\$15.17	3.9%	\$16.11	10.0%	\$16.38	4.0%
Seasonal	Low	50		\$2.52	9.0%	\$2.46	6.9%	\$2.02	6.6%	\$2.05	5.4%	\$2.40	7.4%	\$2.44	6.1%	\$2.50	7.2%	\$2.54	6.0%	\$2.80	7.5%	\$2.84	6.3%
	Typical	400		\$4.02	6.9%	\$3.32	3.1%	\$4.47	7.2%	\$4.55	4.1%	\$5.44	8.2%	\$5.53	4.8%	\$5.89	8.2%	\$5.99	4.9%	\$6.47	8.3%	\$6.58	5.2%
	High	1,000		\$6.61	6.0%	\$4.78	2.1%	\$8.67	7.5%	\$8.82	3.7%	\$10.66	8.5%	\$10.84	4.4%	\$11.71	8.6%	\$11.91	4.6%	\$12.77	8.7%	\$12.99	4.8%
GSe	Low	1,000		(\$0.41)	-0.5%	\$0.40	0.2%	\$5.25	6.5%	\$5.34	2.7%	\$5.66	6.6%	\$5.76	2.8%	\$6.16	6.7%	\$6.26	3.0%	\$6.71	6.9%	\$6.82	3.1%
	Typical	2,000		\$10.99	9.0%	\$12.80	3.6%	\$8.95	6.7%	\$9.10	2.4%	\$9.66	6.8%	\$9.82	2.6%	\$10.66	7.0%	\$10.84	2.8%	\$11.51	7.1%	\$11.71	2.9%
	High	15,000		\$159.19	24.1%	\$190.64	7.2%	\$57.05	7.0%	\$63.04	2.2%	\$61.66	7.0%	\$68.13	2.4%	\$69.16	7.4%	\$76.44	2.59%	\$73.91	7.3%	\$81.68	2.7%
UGe	Low	1,000		\$14.78	48.1%	\$16.20	11.1%	\$2.74	6.0%	\$2.79	1.7%	\$4.86	10.1%	\$4.94	3.0%	\$5.45	10.3%	\$5.54	3.26%	\$5.31	9.1%	\$5.40	3.1%
	Typical	2,000		\$21.90	46.3%	\$24.62	8.9%	\$4.24	6.1%	\$4.31	1.4%	\$7.56	10.3%	\$7.69	2.5%	\$8.55	10.6%	\$8.70	2.77%	\$8.31	9.3%	\$8.45	2.6%
	High	15,000		\$114.46	43.6%	\$145.20	6.7%	\$23.74	6.3%	\$26.18	1.1%	\$42.66	10.6%	\$47.05	2.0%	\$48.85	11.0%	\$53.88	2.27%	\$47.31	9.6%	\$52.18	2.2%
GSd	Low	15,000	60	\$173.50	23.2%	\$185.90	7.0%	\$81.37	8.8%	\$91.95	3.2%	\$124.50	12.4%	\$140.69	4.8%	\$146.03	13.0%	\$165.02	5.3%	\$139.27	10.9%	\$157.37	4.8%
	Typical	35,000	120	\$323.94	22.5%	\$345.75	5.9%	\$156.76	8.9%	\$177.14	2.9%	\$239.79	12.5%	\$270.96	4.3%	\$281.88	13.0%	\$318.53	4.8%	\$268.77	11.0%	\$303.71	4.4%
	High	175,000	500	\$1,276.71	21.9%	\$1,358.10	5.0%	\$634.23	8.9%	\$716.68	2.5%	\$969.96	12.5%	\$1,096.05	3.7%	\$1,142.28	13.1%	\$1,290.78	4.3%	\$1,088.92	11.1%	\$1,230.48	3.9%
UGd	Low	15,000	60	\$120.03	27.1%	\$159.09	6.9%	\$48.54	8.6%	\$54.85	2.2%	\$75.69	12.4%	\$85.53	3.4%	\$87.86	12.8%	\$99.28	3.8%	\$84.14	10.9%	\$95.08	3.5%
	Typical	35,000	120	\$191.25	22.4%	\$263.03	5.1%	\$90.63	8.7%	\$102.41	1.9%	\$141.40	12.5%	\$159.79	2.9%	\$164.73	12.9%	\$186.15	3.3%	\$157.59	10.9%	\$178.08	3.0%
	High	175,000	500	\$642.35	18.6%	\$921.35	3.8%	\$357.24	8.7%	\$403.68	1.6%	\$557.58	12.5%	\$630.07	2.4%	\$651.59	13.0%	\$736.30	2.8%	\$622.79	11.0%	\$703.75	2.6%
St Lgt	Low	100		\$3.78	42.5%	\$3.83	19.1%	\$1.05	8.3%	\$1.07	4.5%	\$1.31	9.5%	\$1.33	5.3%	\$1.31	8.7%	\$1.33	5.1%	\$1.38	8.4%	\$1.40	5.1%
	Typical	500		\$9.30	24.1%	\$9.40	10.0%	\$3.93	8.2%	\$4.00	3.9%	\$4.95	9.6%	\$5.03	4.7%	\$5.03	8.9%	\$5.12	4.6%	\$5.26	8.5%	\$5.35	4.6%
	High	2,000		\$29.98	20.0%	\$30.29	7.8%	\$14.73	8.2%	\$14.98	3.6%	\$18.60	9.6%	\$18.92	4.4%	\$18.98	8.9%	\$19.30	4.3%	\$19.81	8.5%	\$20.15	4.3%
Sen Lgt	Low	20		\$1.09	30.5%	\$1.10	18.3%	\$0.72	15.5%	\$0.73	10.3%	\$0.83	15.5%	\$0.85	10.8%	\$0.90	14.4%	\$0.91	10.4%	\$0.86	12.1%	\$0.87	9.1%
	Typical	50		\$1.46	21.9%	\$1.48	11.9%	\$1.24	15.2%	\$1.26	9.0%	\$1.41	15.1%	\$1.43	9.5%	\$1.54	14.3%	\$1.56	9.4%	\$1.46	11.8%	\$1.48	8.1%
	High	200		\$3.31	15.0%	\$3.35	7.5%	\$3.80	14.9%	\$3.86	8.1%	\$4.29	14.7%	\$4.36	8.5%	\$4.73	14.1%	\$4.81	8.6%	\$4.44	11.6%	\$4.52	7.4%
USL	Low	100		\$6.96	20.6%	\$6.98	15.3%	(\$0.20)	-0.5%	(\$0.20)	-0.4%	\$1.18	2.9%	\$1.20	2.3%	\$0.48	1.1%	\$0.49	0.9%	\$1.04	2.5%	\$1.06	2.0%
	Typical	500		\$2.32	4.6%	\$1.88	1.8%	(\$0.24)	-0.5%	(\$0.24)	-0.2%	\$1.54	2.9%	\$1.57	1.5%	\$0.60	1.1%	\$0.61	0.6%	\$1.36	2.5%	\$1.38	1.3%
	High	1,000		(\$3.48)	-4.9%	(\$4.51)	-2.4%	(\$0.29)	-0.4%	(\$0.29)	-0.2%	\$1.99	3.0%	\$2.02	1.1%	\$0.75	1.1%	\$0.76	0.4%	\$1.76	2.5%	\$1.79	1.0%
DGen	Low	300	10	\$89.75	86.8%	\$105.17	67.2%	\$52.77	27.3%	\$59.63	22.8%	\$54.16	22.0%	\$61.20	19.0%	\$55.17	18.4%	\$62.34	16.3%	\$45.33	12.8%	\$51.22	11.5%
	Typical	2,000	20	\$60.46	36.7%	\$75.81	18.2%	\$67.25	29.9%	\$75.99	15.4%	\$70.15	24.0%	\$79.27	13.9%	\$71.62	19.8%	\$80.94	12.5%	\$60.38	13.9%	\$68.22	9.4%
	High	5,000	100	(\$173.92)	-26.6%	(\$159.07)	-11.8%	\$183.09	38.1%	\$206.89	17.4%	\$198.06	29.8%	\$223.81	16.0%	\$203.24	23.6%	\$229.66	14.2%	\$180.76	17.0%	\$204.26	11.0%
ST	Low	200,000	500	\$480.67	37.9%	\$844.53	3.3%	\$149.68	8.6%	\$169.14	0.6%	\$129.27	6.8%	\$146.08	0.5%	\$172.47	8.5%	\$194.89	0.7%	\$166.05	7.5%	\$187.64	0.7%
	Typical	500,000	1,000	\$634.32	36.0%	\$1,319.52	2.2%	\$213.13	8.9%	\$240.84	0.4%	\$192.17	7.4%	\$217.15	0.3%	\$249.72	8.9%	\$282.18	0.4%	\$243.30	8.0%	\$274.93	0.4%
	High	4,000,000	10,000	\$3,400.02	31.9%	\$9,869.44	2.0%	\$1,355.23	9.6%	\$1,531.41	0.3%	\$1,324.37	8.6%	\$1,496.54	0.3%	\$1,640.22	9.8%	\$1,853.45	0.4%	\$1,633.80	8.9%	\$1,846.19	0.4%

The distribution and total bill impacts associated with customers that will be moving between rate classes in 2015 as a result of the rate class review and seasonal customer changes are provided in Table 2.

Table 2

Distribution and Total Bill Impacts for Customers Moving Between Rate Classes in 2015 as a Result of the Rate Class Review and Proposed Seasonal Customer Change

Rate Class	Consumption Level	Monthly Consumption (kWh)	Monthly Peak (kW)	Change in DX Bill (\$)	Change in DX Bill (%)	Change in Total Bill (\$)	Change in Total Bill (%)
UR -> R1	Low	100		\$10.82	56.2%	\$11.11	34.4%
	Typical	800		\$13.78	36.7%	\$14.83	11.2%
	High	2,000		\$18.84	27.3%	\$21.20	7.0%
UR -> R2	Low	100		\$20.67	107.3%	\$21.40	66.3%
	Typical	800		\$32.38	86.1%	\$35.94	27.2%
	High	2,000		\$52.44	76.0%	\$60.86	20.0%
R1 -> UR	Low	100		(\$6.15)	-22.3%	(\$6.50)	-15.9%
	Typical	800		(\$18.52)	-35.6%	(\$20.82)	-14.0%
	High	2,000		(\$39.72)	-42.3%	(\$45.36)	-13.6%
R2 -> UR	Low	100		(\$15.54)	-42.0%	(\$16.30)	-32.1%
	Typical	800		(\$30.96)	-48.0%	(\$35.45)	-21.7%
	High	2,000		(\$57.38)	-51.4%	(\$68.28)	-19.2%
R1 -> R2	Low	100		\$12.36	44.8%	\$12.73	31.1%
	Typical	800		\$17.91	34.4%	\$19.47	13.1%
	High	2,000		\$27.43	29.2%	\$31.02	9.3%
Seasonal -> R1	Low	100		(\$2.16)	-6.7%	(\$2.50)	-5.4%
	Typical	800		(\$41.14)	-44.5%	(\$44.25)	-23.1%
	High	2,000		(\$107.97)	-55.1%	(\$115.83)	-26.3%
Seasonal -> R2	Low	100		\$7.69	23.9%	\$7.79	17.0%
	Typical	800		(\$22.54)	-24.4%	(\$23.14)	-12.1%
	High	2,000		(\$74.37)	-38.0%	(\$76.17)	-17.3%
UGe -> GSe	Low	1,000		\$50.13	163.3%	\$54.42	37.2%
	Typical	2,000		\$86.35	182.6%	\$94.70	34.2%
	High	15,000		\$557.21	212.0%	\$672.00	31.2%
GSe -> UGe	Low	1,000		(\$35.76)	-44.0%	(\$37.82)	-18.9%
	Typical	2,000		(\$53.46)	-43.6%	(\$57.28)	-15.9%
	High	15,000		(\$283.56)	-42.9%	(\$336.16)	-12.8%
UGd -> GSd	Low	15,000	60	\$478.40	108.0%	\$536.54	23.1%
	Typical	36,000	117	\$910.18	106.6%	\$1,025.59	20.0%
	High	1,500,000	4,000	\$3,644.77	105.5%	\$4,136.76	16.9%
GSd -> UGd	Low	15,000	60	(\$184.87)	-24.7%	(\$191.54)	-7.2%
	Typical	36,000	117	(\$394.99)	-27.4%	(\$416.81)	-7.2%
	High	1,500,000	4,000	(\$1,725.71)	-29.6%	(\$1,857.31)	-6.8%

1 **2.0 RURAL OR REMOTE RATE PROTECTION (“RRRP”)**

2
3 In accordance with the requirements of O.Reg. 442/01, Hydro One is provided rate
4 protection funding of \$127 million, of which \$125.4 million is available to provide an
5 RRRP credit to its R2 residential customers. The current RRRP credit is \$28.50 per
6 month. The number of R2 customers has dropped as a result of the rate class review, and
7 Hydro One proposes to increase the RRRP credit to \$30.50 per month over the five year
8 Custom COS period.

9
10 **3.0 RATE IMPACT MITIGATION**

11
12 The annual total bill impacts across most rate classes resulting from the revenue
13 requirement and regulatory asset disposition requested in this application are below the
14 10% value established by the Board in the *2006 Electricity Distribution Rate Handbook*
15 for customers with typical consumption.

16
17 The total bill impact for typical Sentinel Light customers is slightly above 10% in 2015,
18 but the dollar amount of the impact is less than \$1.50. The total bill impact for a typical
19 DGen customer is also above 10% in 2015 to 2019. Hydro One has mitigated the
20 impacts to DGen customers by increasing the R/C ratio for this class over the full five
21 years of the Custom COS period. The impact on a typical customer in this class is less
22 than \$100 per month, which the Board established as a level below which special
23 mitigation is not required for a General Service demand customers, as discussed below.
24 As such, no rate mitigation is proposed for the Sentinel Light or DGen rate classes.

25
26 There are some customers that may experience total bill impacts in excess of 10% in
27 2015 due to being moved to their appropriate rate class as a result of the rate class review.
28 Specifically, residential customers moving from the UR rate class to the R2 rate class,
29 and Urban General Service energy and demand-billed customers moving to the non-

1 urban General Service energy and demand-billed rate classes will experience higher total
2 impacts that Hydro One proposes to mitigate.

3
4 Hydro One proposes to adopt the special rate mitigation approach approved by the Board
5 as part of its 2008 and 2010/11 cost-of-service applications, EB-2007-0681 and EB-2009-
6 0096. The rate mitigation plan will limit total bill impacts as follows:

- 7 • UR residential customers moving to the R2 rate class will be limited to a maximum of
8 15% or \$3 per month;
- 9 • Urban General Service energy-billed customers moving to the General Service
10 energy-billed class will be limited to a maximum of 15% or \$10 per month; and
- 11 • Urban General Service demand-billed customers moving to the General Service
12 demand-billed class will be limited to a maximum of 15% or \$100 per month.

13
14 The costs of this mitigation and related implementation will be tracked in a Bill Impact
15 Mitigation variance account, as described in Exhibit F1, Tab 1, Schedule 2. The required
16 mitigation will apply only in 2015, the year in which the move between rate classes due
17 to the rate class review occurs. The mitigation amount for affected customers will be
18 calculated based on the last 12 months of billing information available at the time the
19 credit is calculated. The 2015 mitigation will be applied via a one-time credit to the
20 affected customer's monthly bill.

LINE LOSSES

1.0 LINE LOSS STUDY

The Board in its EB-2009-0096 Decision directed Hydro One to track the dollar value of variances between the Board approved losses recovered in rates, and actual line losses, commencing January 1, 2010. The OEB also directed Hydro One to bring this analysis to its next cost of service proceeding so that this issue may be further examined. To develop a well-defined and defensible methodology for the line loss study, Hydro One engaged Navigant through a competitive process to assist in this analysis.

The line loss study undertaken by Navigant had the following three objectives:

- Objective 1: Develop and implement a methodology to calculate actual losses on Hydro One's distribution system and determine the variance in terms of energy (kWh) and cost of wholesale power (\$) between actual and approved losses for 2010, 2011 and 2012.
- Objective 2: Recommend a methodology for Hydro One to determine the variance between actual and approved losses on a going-forward basis.
- Objective 3: Review, and if appropriate, propose alternative total loss factors for Hydro One's individual customer classes.

Stakeholders were consulted in the June and December 2013 sessions with respect to the methodologies used to meet the above objectives. The line loss report prepared by Navigant is provided at Exhibit G1, Tab 8, Schedule 2. These are the key findings summarized from the line loss study:

- 1 • Actual losses on Hydro One's distribution system over the three year period from
2 2010 to 2012 tracked well with the Board approved losses, although there were
3 variances from year to year. Hydro One is not proposing to change the Total Loss
4 Factor at this time.
- 5 • Based on detailed engineering analysis, the allocation of losses to individual customer
6 classes, and hence the total loss factors for specific customer classes should be
7 amended to more accurately reflect the losses that occur, as a result of delivering
8 electricity to customers in each customer class.
- 9 • Going forward, Hydro One should implement an approach that utilizes the
10 capabilities of its new Customer Information System (CIS) and is consistent with
11 industry practice to track and report actual losses on an annual basis.

13 **2.0 LOSS FACTORS**

14
15 Based on the results of the study, Hydro One proposes to change the Total Loss Factors
16 for individual customer classes to the values established in the study. Hydro One is not
17 proposing a change to the Supply Facility Loss Factors. Table 1 shows the Total Loss
18 Factors by rate class that Hydro One proposes for the Custom COS period.

19
20 The Total Loss Factors are used to uplift, or adjust, the customers' Commodity, Retail
21 Transmission Service, Wholesale Market Service, and Rural Rate Protection charges to
22 the wholesale level at which Hydro One settles these charges with the IESO. Debt
23 Retirement and Distribution charges are not subject to loss adjustments.

24
25 For energy-billed customers, Board guidelines dictate that loss adjustments be applied to
26 metered or estimated energy billing quantities. For demand-billed customers, loss

1 adjustments are applied to the corresponding demand-billed tariffs and the billed
2 quantities used are the metered quantities.

3

4

5

Table 1
Loss Factors

Customer Class	Proposed			Current		
	SFLF %	DLF %	TLF %	SFLF %	DLF %	TLF %
Urban Residential	0.6	5.1	5.7	0.6	7.2	7.8
R1	0.6	7.0	7.6	0.6	7.9	8.5
R2	0.6	9.9	10.5	0.6	8.5	9.2
Seasonal	0.6	9.8	10.4	0.6	8.5	9.2
Urban General Service energy	0.6	6.1	6.7	0.6	8.5	9.2
Urban General Service demand	0.6	4.4	5.0	0.6	5.5	6.1
General Service energy	0.6	9.0	9.6	0.6	8.5	9.2
General Service demand	0.6	5.5	6.1	0.6	5.5	6.1
Street Light	0.6	8.5	9.2	0.6	8.5	9.2
Sentinel Lights	0.6	8.5	9.2	0.6	8.5	9.2
Unmetered Scatter Load	0.6	8.5	9.2	0.6	8.5	9.2
Distributed Generator	0.6	5.5	6.1	0.6	5.5	6.1
Sub-Transmission	0.6	0.0* or 2.8	0.6* or 3.4	0.6	0.0* or 2.8	0.6* or 3.4

6 * Express Feeder

7

8 As approved under Hydro One's EB-2009-0096 rate application, Hydro One proposes
9 that in situations in which a customer's metering is at the supplying Transmission Station
10 (TS) or High-Voltage Distribution Station (HVDS), either inside the fence or
11 immediately outside the fence, that only the losses associated with the transformation at
12 the station be applied (i.e. the approved Supply Facility Loss Factor). For situations in

1 which a feeder delivers to solely one supply point (i.e. express feeders¹), and the
2 metering is located away from the supplying station, applicable losses should be
3 calculated based on engineering studies provided by the customer. Hydro One will add
4 non-technical losses to the calculated technical losses, consistent with the non-technical
5 losses inherent in the existing Distribution Loss Factors.

6
7 There are situations in which there is no metering at the customer supply point, and
8 quantities are calculated by taking the differences between other metering (for example,
9 feeder total minus the only other customer on the feeder). As previously approved under
10 EB-2009-0096, in such situations losses are applied to the meter quantities separately,
11 prior to calculating the differences, in order to avoid the potential double-counting of
12 feeder losses that could occur if the Distribution Loss Factors was applied to the
13 difference in metering quantities.

14 15 **3.0 TRANSFORMER LOSS ALLOWANCE**

16
17 A transformer loss allowance is applicable to non-ST customers that are metered on the
18 primary side of a transformer. The following uniform values shall be applied to reduce
19 measured demand and energy to adjust for transformer losses for voltages up to and
20 including 50 kV (as metered on the primary side):

- 21
22 a) 1.5% for transformer installations up to an individual bank capacity of 400 kVA,
23 b) 1.0% for bank capacities over 400 kVA.

24

¹ Feeder used by only one customer

1 A transformer loss allowance is applicable to ST customers that are metered on the
2 secondary side of a transformer. The following uniform value shall be applied to
3 increase measured demand and energy (as metered on the secondary side) to adjust for
4 transformer losses:

5

6 a) 1.0%

7

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

LINE LOSS STUDY

In its EB-2009-0096 Decision with Reasons, the Board directed Hydro One to track the dollar value of variances between the Board approved losses recovered in rates and the actual line losses commencing January 1, 2010. The Distribution Line Loss Study prepared by Navigant Consulting Ltd. (“Navigant”) for Hydro One, provided in Attachment 1, is in response to this Decision for the years 2010 to 2012 inclusive.

The variance between actual and approved losses in terms of energy (kilowatt-hours) and cost of power (dollars) will be calculated for 2013 following the guidance from the Navigant report when the 2013 actuals are available.

Please refer to Attachment 2 for the Expert Evidence Statement from Navigant as required by the OEB Rules of Practice and Procedure, Section 13A.



DISTRIBUTION LINE LOSS STUDY

Prepared for

HYDRO ONE NETWORKS, INC.



January 28, 2014

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EXECUTIVE SUMMARY

In its Decision with Reasons on the Hydro One Networks, Inc. (Hydro One) 2010 and 2011 Distribution Rate Application, the Ontario Energy Board (OEB or the “Board”) directed Hydro One to “track the dollar value of variances between the Board approved losses recovered in rates, and actual line losses, commencing January 1, 2010” and to “bring this analysis to its next cost of service proceeding so that this issue may be further examined”.¹

In response to this decision, Hydro One engaged Navigant through a competitive process to:

- develop and implement a methodology to calculate actual losses on Hydro One’s distribution system and determine the variance in terms of energy (kilowatt-hours) and cost of power (dollars) between actual and approved losses for 2010, 2011 and 2012; and
- recommend a methodology for Hydro One to determine the variance between actual and approved losses on a going-forward basis.

In addition, Hydro One engaged Navigant to develop and implement a methodology to review, and if appropriate propose alternate loss factors for Hydro One’s individual customer classes.

System-Wide Losses and Variances

Methodology

System-wide losses are the difference between the electricity injected and withdrawn from the Hydro One distribution network (i.e. the difference between purchases and sales). For the purpose of calculating and reporting the dollar value of variances between actual and approved losses, only the injections (purchases) and withdrawals (sales) for Hydro One customers that are not IESO market participants are considered.

Losses are characterized as technical and non-technical. Technical losses are primarily due to heat dissipation resulting from current passing through conductors and from magnetic losses in transformers. Non-technical losses occur as a result of theft, metering inaccuracies and unmetered energy.

Navigant analysed system-wide losses and variances using two methods. Throughout this report they are referred to as:

- the ‘meter data’ method; and
- the ‘bill data’ method.

¹ OEB. “Decision with Reasons in the Matter of an Application by Hydro One Networks Inc. for 2010 and 2011 Distribution Rates”. April 9, 2010. pp 55.

In both methods, total sales are subtracted from total purchases over a defined period to determine the total losses. The fundamental distinction between the two methods is how the total sales were determined. In the meter data method, total sales in a period were based on the sum of individual customers' smart, interval, or conventional metered consumption ("metered consumption"). In the bill data method, total sales in a period were based on the sum of the total volume billed to individual customers ("billed consumption").

The key distinction is the granularity of the underlying data. Metered consumption is available on an hourly basis for smart and interval metered customers, whereas billed consumption is only available as a single number for a customer's entire billing cycle.

The benefit of the meter data method is that the majority of the sales data is available over a defined period on an hourly basis, allowing for easy alignment with purchases. The downside is that it involves vast quantities of data. For example, one year's worth of data for Hydro One's approximately 1.2 million customers is equivalent to approximately 10.5 trillion data points. Furthermore, it requires data from multiple sources, each containing a subset of Hydro One's customers.

In the bill data method, which is consistent with the approach that other distribution companies in Ontario use to determine losses, billed consumption is used for all customers. The data used in this method is on a billing cycle basis, making the direct alignment between purchases and sales more difficult. However, in contrast to the meter data method, the bill data method leverages information from a single source, minimising any risks for double counting or omissions. The bill data method is also relatively straightforward to implement, unlike the meter data method which takes considerable time and effort to implement.

Results

Navigant analysed Hydro One's actual losses in 2012 using both methodologies. The results, including the resulting approved and actual Total Loss Factors (TLFs), are presented in Figure ES - 1. Both methods indicate that Hydro One's actual losses in 2012 were lower than the approved losses.² The difference in the variance determined through the two methods is small, approximately 155 GWh, or six tenths of one percent (0.006 or 0.6%) of Hydro One's total purchases.

² The OEB approves Total Loss Factors (TLFs) not total losses. To calculate the total approved losses, Navigant either (i) multiplied the consumption (C) by the approved TLF ($C \times (TLF)$), or (ii) multiplied the loss adjusted consumption (LAC) by the approved TLF over one plus the approved TLF ($LAC \times (TLF / (1 + TLF))$). In either case, this was done on a rate class by rate class basis, to take into account the different approved TLFs.

Figure ES - 1: Variance between Actual and Approved Losses for 2012 (Meter Data vs. Bill Data Method)

	Meter Data Method	Bill Data Method
Purchases (kWh)	25,214,927,356	25,214,927,356
Consumption (kWh)	23,917,241,601	24,060,730,736
Actual Losses (kWh)	1,297,685,755	1,154,196,620
Loss Adjusted Consumption (kWh)	25,652,307,042	25,806,884,587
Approved Losses (kWh)	1,735,065,441	1,746,153,851
Variance (kWh)	(437,379,686)	(591,957,231)
Approved TLF / Actual TLF	7.3% / 5.4%	7.3% / 4.8%

Source: Hydro One data, Navigant analysis

The principal benefit of the meter data method is the availability of hourly smart meter data. However, in 2010 and 2011, there were fewer Hydro One customers with smart meters on automated meter reads than in 2012. In 2010 less than 50% of Hydro One's RPP eligible customers had a smart meter registered with the IESO and the MDM/R for the entire year. In 2011, the number increased, but still, less than 70% of Hydro One's RPP eligible customers had a smart meter registered with the IESO and the MDM/R for the entire year. Based on this, Hydro One estimates that hourly data for 2010 and 2011 is available for less than 50% and 65% of all consumption, respectively. As such, there is much less value associated with the meter data method in prior years. Based on this, and the fact that the results of both methods in 2012 were similar, the variance between actual and approved losses for 2010 and 2011 were only analysed using the bill data method. The results of this analysis are presented in Figure ES - 2.

Figure ES - 2: Variance between Actual and Approved Losses for 2010 and 2011 (Bill Data Method)

	2010	2011
Purchases (kWh)	25,147,786,869	25,269,760,852
Consumption (kWh)	23,090,758,102	23,696,731,189
Actual Losses (kWh)	2,057,028,767	1,573,029,663
Loss Adjusted Consumption (kWh)	24,801,899,448	25,418,695,980
Approved Losses (kWh)	1,711,141,347	1,721,964,791
Variance (kWh)	345,887,420	(148,935,128)
Approved TLF / Actual TLF	7.4% / 8.9%	7.3% / 6.6%

Source: Hydro One data, Navigant analysis

Based on this analysis, in 2010, Hydro One's approved loss factors under collected by approximately 346 GWh, whereas in 2011, the approved loss factors over collected by approximately 149 GWh.

Hydro One will recognise the dollar value associated with the variance at Hydro One's effective average wholesale market cost for RPP consumers over the period.

Figure ES - 3 outlines the annual variance from 2010 to 2012 using the bill data method and the corresponding dollar values that will be reported in Account 1588 RSVA Power.

Figure ES - 3: Variance between Actual and Approved Losses and Corresponding Dollar Amounts for 2010 to 2012

	2010	2011	2012	Total
Purchases (kWh)	25,147,786,869	25,269,760,852	25,222,134,097	75,639,681,818
Consumption (kWh)	23,090,758,102	23,696,731,189	24,060,730,736	70,848,220,027
Actual Losses (kWh)	2,057,028,767	1,573,029,663	1,161,403,361	4,791,461,791
Loss Adjusted Consumption (kWh)	24,801,899,448	25,418,695,980	25,806,884,587	76,027,480,015
Approved Losses (kWh)	1,711,141,347	1,721,964,791	1,746,153,851	5,179,259,989
Variance (kWh)	345,887,420	(148,935,128)	(584,750,490)	(387,798,198)
Approved TLF / Actual TLF	7.4% / 8.9%	7.3% / 6.6%	7.3% / 4.8%	7.3% / 6.8%
RSVA Power (\$)	17,234,733	(3,343,507)	(14,438,777)	547,551

Source: Hydro One data, Navigant analysis

The total purchases for 2012 reported in Figure ES - 3 are slightly different from the total purchases reported in Figure ES - 1. Since the variances and the associated dollar amounts will be used for financial reporting, Navigant accepted Hydro One's recommendation to only include purchase data information that would be available when the purchase data record is officially closed for accounting purposes. The difference in total purchases 2012 between Figure ES - 1 and Figure 14 reflects minor adjustments made to settlement invoices after the record closing date.

Class-specific Loss Factors

Methodology

Meter data alone is not sufficient to support a review and assessment of Hydro One's current class-specific loss factors because purchases cannot be linked to a particular customer or customer class. As such, Navigant developed an alternative approach that is distinct from the approach used to analyse the actual system-wide losses. The approach that Navigant developed is based on engineering calculations of technical losses on a representative sample of feeders taken from across Hydro One's service territory, plus an adjustment to account for non-technical losses.

Navigant's methodology for analysing class-specific losses included eight components:

1. power flow modeling to calculate the peak current (i.e. I²R) losses on each segment of primary distribution feeder and in transformer windings;
2. tracing of the feeder segments between each distribution transformer and the transmission station;
3. allocation of peak current losses to each distribution transformer;

4. the estimation of no load losses on distribution transformers;
5. the estimation of peak current losses on secondary distribution lines;
6. an allocation of all of the above peak losses to the individual customers served by each distribution transformer and the aggregation of individual customer losses by rate class; and
7. translation of peak load losses to average losses.

Navigant and Hydro One collaborated to undertake the first computational step, leveraging Hydro One's existing power flow models. The remaining six were undertaken by Navigant.

In an ideal situation, the entirety of Hydro One's distribution system would be modelled simultaneously and the seven computational steps discussed above would be undertaken for all Hydro One distribution customers. However, in reality the size of Hydro One's distribution network is such that modelling it in its entirety simultaneously and collecting all the necessary information to implement the methodology is not feasible. As such, the Navigant methodology was employed on a representative sample of feeders from across Hydro One's service territory.

Navigant deployed a rigorous process to select the sample feeders. A similar sampling process was used elsewhere by Navigant to identify representative feeders for large utilities with diverse network topologies. As part of the sampling process, Hydro One provided Navigant with attribute and connectivity data for its approximately 3,200 distribution feeders. The connectivity information allowed Navigant to aggregate the list of 3,200 feeders and attribute data into approximately 800 unique 'originating' feeders. The originating feeders were then arranged into 16 clusters based on the similarity of their attributes. Each cluster was assigned a weight, based on the percentage of customers in each rate class served by all of the feeders within the cluster. From each cluster, Navigant selected a representative feeder with attributes similar to the average attributes of the cluster. The results from the representative feeders were then weighted by the corresponding cluster weight and extrapolated to represent the entirety of Hydro One's customer and feeder population.

The strength of the sampling process is the clustering of similar feeders. The clusters are designed to be a unique grouping of similar feeders. That is, the feeders contained within each cluster are similar, but the feeders in one cluster are different from the feeders in every other cluster. It is this unique cluster design that allows a single feeder from each cluster to be representative of a large number of feeders, and ultimately a large number of customers.

Results

The sample feeders, each taken to be representative of the cluster it was drawn from, represent feeders that serve between 90 and 99% of the population of each rate class. The one exception is Sub-Transmission. The sample feeders represent feeders that serve only approximately 65% of the population of Sub-Transmission customers. As such, Navigant concluded that it would not be appropriate to extend the analysis to the Sub-Transmission customer class, and that the current loss

factors should be maintained. The decision to not extend the results to the Sub-Transmission impacts the overall allocation of losses between Sub-Transmission customers and other customers, but not the allocation between the other classes, for example the difference between the Urban Residential and R2 Residential loss factors are not affected.

Customer connectivity data was not readily available for Hydro One's unmetered customers (e.g., street lighting). As such Navigant's study was not extended to the Street Lighting, Sentinel Lighting, and Unmetered Scattered Load rate classes. Hydro One's Distributed Generation rate class is small, in terms of number of customers and consumption (approximately 0.1% of total), making it difficult to obtain a representative sample. As such, Navigant's study was also not extended to the Distributed Generation rate class. For all of these rate classes, Navigant recommended that the current loss factors be maintained.

For the remaining classes, using the methodology described above, Navigant calculated the peak demand kW loss per customer customers on the sample feeders. These losses were then aggregated by rate class and translated into average demand kW loss per customer. To calculate a system wide-average demand loss for each rate class, individual sample feeder results for each of the clusters were weighted by the percentage of the population of the rate class served by the all feeders within the cluster. The resulting (i) weighted average kW loss per customer, (ii) average demand per customer, and (iii) technical loss factor for each rate class are presented for each rate class in Figure ES - 4.

Figure ES - 4: Average kW Losses, Demand, and Technical Loss Factors by Rate Class

	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Average Losses (kW/cust)	1.358	1.749	0.140	0.181	0.030	0.059	0.126	0.037
Average Demand (kW/cust)	65.7	53.7	3.6	2.7	1.1	1.2	1.7	0.5
Technical Loss Factor	2.1%	3.3%	3.9%	6.7%	2.8%	4.8%	7.6%	7.5%

Source: Hydro One data, Navigant analysis

As evidenced from the result above, there are clear differences in the technical loss factors between the urban and non-urban rate classes. This is intuitive, as the feeders serving urban customers tend to be shorter and the distribution transformers serving urban customer tend to serve more customers, resulting in a more efficient allocation of no load losses.

Note that the above values do not account for non-technical losses, or transformation losses in the transmission stations or high voltage distribution stations.

Recommendations

System-Wide Losses and Variances

The meter data method is not the industry standard approach for calculating total sales and determining actual losses. A key reason for this is that the meter data method requires the collection and analysis of vast quantities of hourly consumption data, which only recently became available for

the majority of customers with the roll out of smart meters and the implementation of automated meter reads.

Based on this and other factors, and since the results of the meter data method and the bill data method for 2012 were reasonably similar, Navigant recommends that Hydro One use the bill data method to calculate actual losses from January 1, 2010 to December 31, 2013. The actual losses can then be compared to the approved losses to determine the variance and establish the amount to report in RSVA 1588 Power. The variances between actual and approved losses from January 1, 2010 to December 31, 2012, calculated using the bill data method, and the corresponding dollar amount to be reported in RSVA 1588 Power are presented above in Figure ES - 3.

While Navigant's analysis of system-wide losses shows that actual losses have varied from approved losses over the 2010 to 2012 period, the magnitude and sign of the variance has changed considerably from year to year. As such, Navigant recommends that Hydro One maintain the absolute level of approved losses and continue to monitor variances to assess whether an across the board increase or decrease to the approved TLFs is required to reduce the magnitude of the variance.

Going forward, Navigant recommends that Hydro One use the capabilities of its new CIS to implement and improve the calculation of actual losses and the variance relative to the approved level.

Class-specific Losses

Navigant recommends that Hydro One adopt the TLFs presented in Figure ES - 5 for the residential, seasonal, and general service rate classes. The non-technical loss factor is set such that the resulting TLFs would have recovered the same losses in 2012 as the approved TLFs. As illustrated in Figure ES - 5, Navigant believes that it is appropriate to allocate non-technical losses on a pro-rata basis relative to consumption (i.e. through a fixed percentage adjustment to the technical loss factors for all rate classes). This is consistent with previous treatment.

Figure ES - 5: Proposed DLF and TLFs for the Residential, Seasonal, and General Service Rate Classes

	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Technical Loss Factor	2.1%	3.3%	3.9%	6.7%	2.8%	4.8%	7.6%	7.5%
Non-Technical Loss Factor	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
Supply Facility Load Factor	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
TLF	5.0%	6.1%	6.7%	9.6%	5.7%	7.6%	10.5%	10.4%

Note: Differences between the sum of the individual values and the TLF are due to rounding.

Navigant proposes Hydro One maintain its current approved Distribution Loss Factors (DLFs) and TLFs for the Sub-Transmission, Street Lighting, Sentinel Lighting, Unmetered Scattered Load, and Distributed Generator rate classes.

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1 INTRODUCTION

1.1 Background and Objectives

In its Decision with Reasons on the Hydro One Networks, Inc. (Hydro One) 2010 and 2011 Distribution Rate Application the Ontario Energy Board (OEB or the “Board”) concluded that “it is important that Hydro One calculate and report to the Board the difference between the cost of actual line losses and the amounts recovered from ratepayers”.³ The Board also recognised that “Hydro One’s calculation of cost and revenue is more involved than any other distributor and that with the several deemed loss factors in Hydro One’s tariff, there is the likelihood of inaccuracies that are different in nature from other distributors”.⁴ The Board ultimately directed Hydro One to “to track the dollar value of variances between the Board approved losses recovered in rates, and actual line losses, commencing January 1, 2010” and to “bring this bring this analysis to its next cost of service proceeding so that this issue may be further examined”.⁵

In response to this decision, Hydro One engaged Navigant to:

- develop and implement a methodology to calculate actual losses on Hydro One’s distribution system and determine the variance in terms of energy (kilowatt-hours) and cost of power (dollars) between actual and approved losses for 2010, 2011 and 2012; and
- recommend a methodology for Hydro One to determine the variance between actual and approved losses on a going-forward basis.

In addition, Hydro One engaged Navigant to develop and implement a methodology to review, and if appropriate proposed alternate loss factors for Hydro One’s individual customer classes.

1.2 Structure of Report

This report consists of four sections. The first section is this introduction. The second section discusses the methodology, results and key findings from the system-wide losses and variance analysis. The third section discusses the methodology, results and key findings from the analysis of class-specific loss factors. The final section presents Navigant’s conclusions and recommendations.

³ OEB. “Decision with Reasons in the Matter of an Application by Hydro One Networks Inc. for 2010 and 2011 Distribution Rates”. April 9, 2010. pp 55.

⁴ Ibid.

⁵ Ibid.

2 SYSTEM-WIDE LOSSES AND VARIANCE

System-wide losses are the difference between the electricity injected into and the electricity withdrawn from the Hydro One distribution network by Hydro One customers. For the purpose of calculating the dollar value of variances between actual and approved losses, only the injections and withdrawals for Hydro One customers that are not IESO market participants are considered.

Losses are generally characterized as technical and non-technical. Technical losses are primarily due to heat dissipation resulting from current passing through conductor and from magnetic losses in transformers. Non-technical losses occur as a result of theft, metering inaccuracies and unmetered energy.

Navigant analysed system-wide losses and variances using two methodologies. Throughout this report they are referred to as:

- the ‘meter data’ method; and
- the ‘bill data’ method.

The sections that follow describe each approach in detail and summarise the results of Navigant’s analysis.

2.1 Methodology

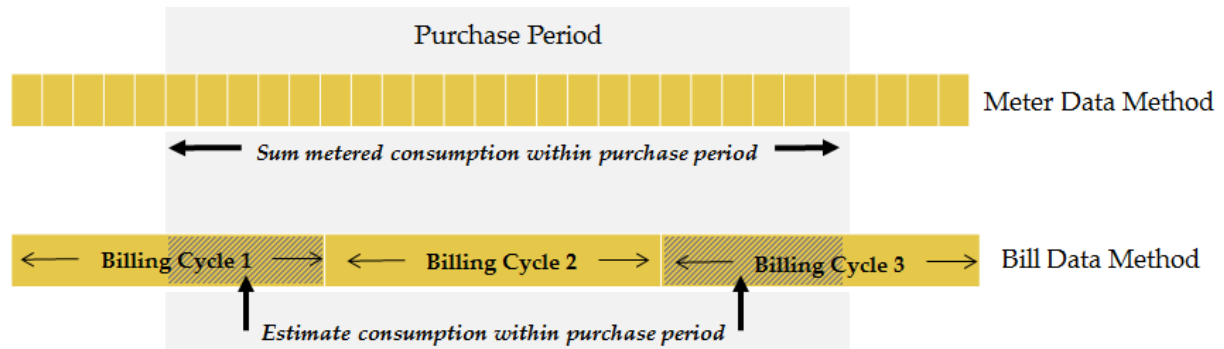
2.1.1 Overview

Navigant analysed system-wide losses and variances using two methods. In both methods, total sales are subtracted from total purchases over a defined period to determine the total losses. The fundamental distinction between the two methods is how the total sales were calculated. In the meter data method, aggregate sales in a period were based on the sum of individual customers’ smart, interval, or conventional metered consumption (“metered consumption”). In the bill data method, aggregate sales in a period were based on the sum of the total volume billed to individual customers (“billed consumption”).

The key distinction is the granularity of the data. Metered consumption is available on an hourly basis for smart and interval metered customers, whereas billed consumption is only available in aggregate as a single number for a customer’s billing cycle.

As a result, while the metered consumption can generally be directly aligned with purchases over a period, estimation is required to determine the fraction of billed consumption that aligns with the purchases. This is illustrated in Figure 1 below.

Figure 1: Key Distinction between Meter Data and Bill Data Methods



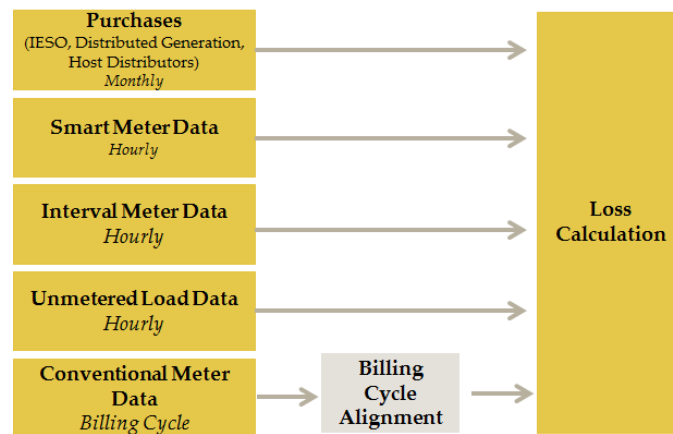
2.1.2 Meter Data Method

Overview

In the meter data method, total sales were calculated as the aggregate of metered consumption over a defined period that was directly aligned with a period of time over which total purchases were known.

The metered consumption data was segmented by the 'type' of meter -- smart meter, interval meter, conventional meter -- or in the case of unmetered load customers (e.g. street and sentinel lighting), the lack of a meter. With the proliferation of smart meters across Ontario, this method uses hourly data for most customers. For those customers with a conventional meter, the method uses billed consumption⁶ and an alignment between the billing cycle and the purchase period is required.

Figure 2: Meter Data Method Overview



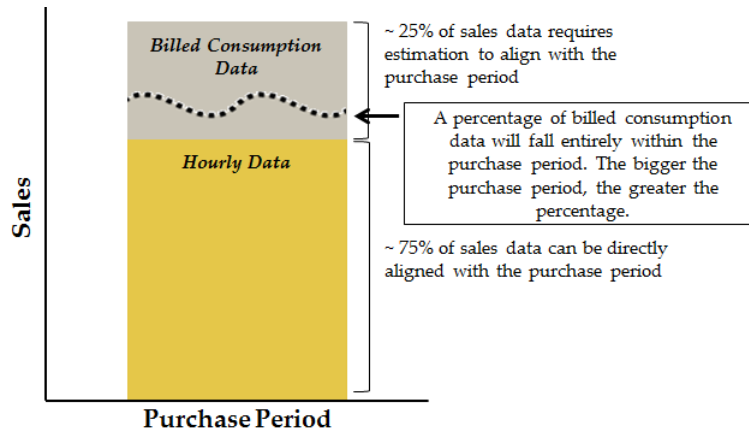
The benefit of the meter data method is that the majority of the underlying sales data is hourly, meaning that it can be directly aligned with the purchase period. The downside is that it requires vast amounts of data. For example, one year's worth of data for Hydro One's approximately 1.2

⁶ Billed consumption was also relied on for some customers whose smart meters are still being read manually.

million customers is equivalent to approximately 10.5 trillion data points. Furthermore, it requires data from multiple sources within Hydro One, each containing a subset of Hydro One's customers.

As illustrated in Figure 3, the majority of the sales data in the meter data method can be directly aligned with the purchase period.

Figure 3: Meter Data Method Sales Data Alignment with Purchase Period



Data

The meter data method required the following inputs:

- IESO purchases, by month;
- purchases from distributed generators, by month;
- other purchases such as transfers from host distributors, by month;
- metered consumption for smart meter customers, by hour;
- metered consumption for interval meter customers, by hour;
- metered consumption for conventional metered customers, by billing cycle; and
- estimated consumption for unmetered loads, by hour.

Monthly purchase data was obtained from Hydro One's settlement system, hourly interval meter data was obtained from Hydro One's meter data management system (MV Star), conventional metered consumption data was obtained from Hydro One's CIS, and hourly smart meter data was collected from the IESO's Meter Data Management and Repository (MDM/R). To obtain this last piece of information, Hydro One formally requested the hourly consumption data for all of its smart meter customers from the IESO.⁷

⁷ As will be discussed, the request was ultimately made for 2012 data only.

Due to the large size of the smart meter and interval meter datasets, the individual customer consumption was aggregated by zone and rate class prior to being analysed.⁸

Linking the multiple datasets required careful consideration of any customer transitions that may have occurred, for example, a customer moving from a conventional meter to a smart meter. Since the data for conventional metered customers came from the CIS, which also included the billed consumption data for all smart and interval metered customers, considerable effort was required to ensure there was no double counting or omissions.

Alignment of Purchases and Sales

The majority of the sales data used in the meter data method is easily aligned with the purchase period, because it is available on an hourly basis. To align the billed consumption data for conventional metered customers, additional steps were required.

Navigant employed three different methods to align the billed consumption data for conventional metered customers depending on the customer rate class, number of billing cycles for which data is available, and the extent to which supplemental hourly data for ‘similar’ customers was available.

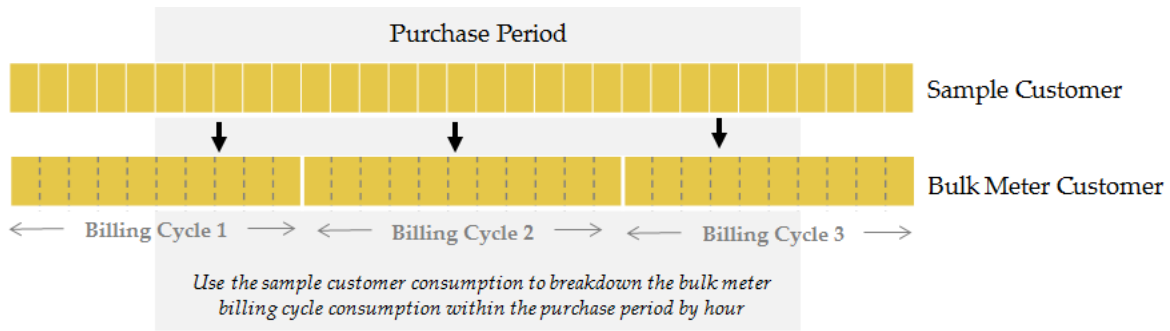
Method 1: Match to Sample Customer Profile

In the first method, conventional meter customers were ‘matched’ to sample customers for whom hourly data was available. The hourly profile of the matched sample customer was then used to allocate the conventional metered customer’s consumption within billing cycles that did not directly align with the purchase data.

The match was made by determining which sample customers’ consumption within the same zone most closely resembled the conventional metered customer’s consumption across all of the available billing cycles. To make this determination, Navigant calculated the sum of the absolute value of the difference between the conventional metered customer’s consumption and each sample customer’s consumption across all of the available billing cycles. The sample customer with the smallest value was matched to the conventional metered customer. Once a match was made, the conventional metered customer’s billed consumption was translated to an hourly profile using the hourly profile of the matched sample customer. This is illustrated in Figure 4.

⁸ Hydro One’s service territory is split into eight regional zones: west, west central, central, east, Georgian Bay, east central, northeast and northwest

Figure 4: Illustrative Example of Method 1 - Match to Sample Customer Profile



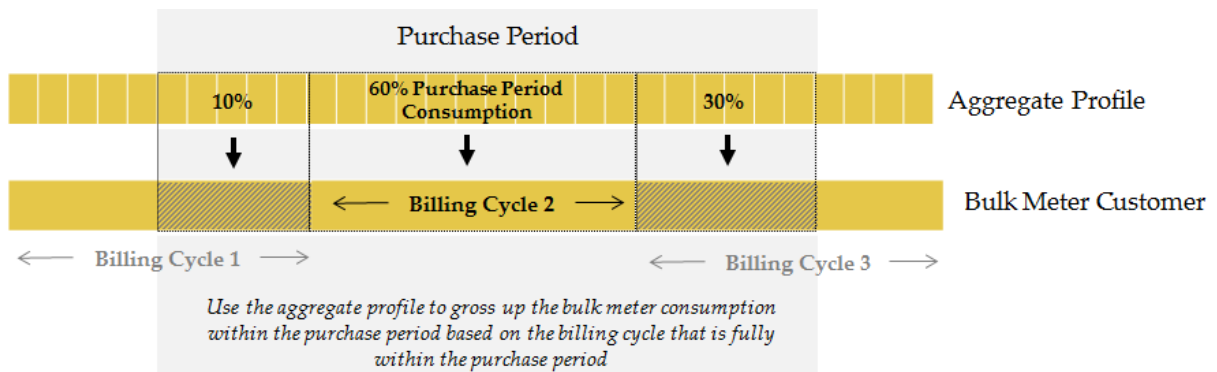
Method 2: Match to Aggregate Profile

In the second method, instead of a single sample customer with similar consumption patterns, average profiles for each zone and rate class were used to estimate the consumption within billing cycles that did not directly align with the purchase period.

Average profiles for each zone and rate class were developed by aggregating the available hourly data for all interval and smart meter customers. Each conventional meter customers' consumption was then aggregated between the first bill-from and last bill-to date within the purchase period. The conventional metered customer's consumption was then scaled up based on a profile ratio. The profile ratio was calculated as a ratio of the total purchase period consumption to consumption within the same bill-from and bill-to period for the average profile.

For example; assume the purchase period was a calendar year and a customer was on bi-monthly billing beginning February 1st of each year. The first bill-from date within the calendar year would be February 1 and the last bill-to date would be November 30. The remaining billing cycles would include bill-from dates in the prior year and bill-to dates in the subsequent year, and thus would not be included. If the conventional metered customer consumed 10,000 kWh from February 1 to November 30 and the matched aggregate profile for the same rate class and zone shows that 60% of annual consumption occurred between February 1 and November 30, then the conventional metered customer's annual consumption is estimated to be 16,667 kWh. This is illustrated in Figure 5.

Figure 5: Illustrative Example of Method 2 - Match to Aggregate Profile



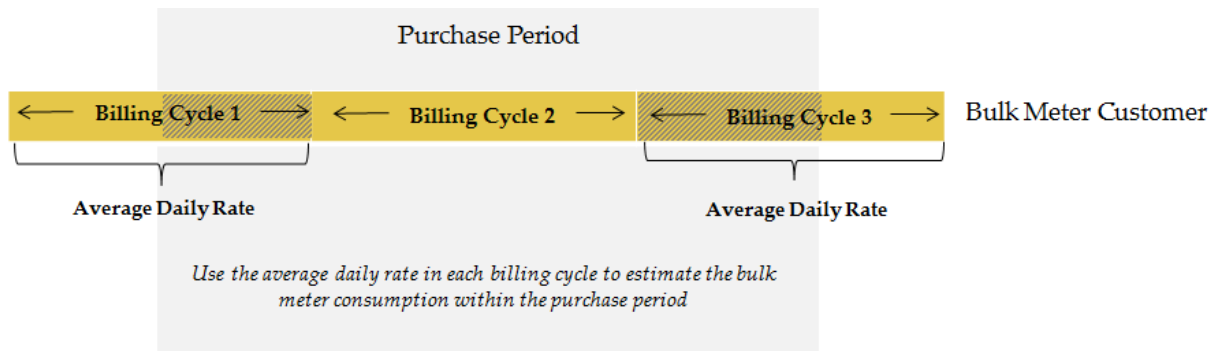
Method 3: Average Daily Consumption

In the third method, average daily consumption for the conventional metered customer between two actual meter reads was used to estimate consumption within billing cycles that did not directly align with the purchase period. The average daily consumption and the number of days are used to allocate the billing cycle consumption.

Average daily consumption was calculated for billing cycles that overlap the start or end of a purchase period. This rate was applied to the number of days in the purchase period that require estimation. Not all billing cycles are based on actual meter reads and a customer may be billed based on estimated kilowatt hour consumption for a given billing cycle. If this was the case, the kilowatt hour consumption was summed between two actual meter reads and the same process was followed.

For example; if a billing cycle contained only four days in the purchase period in question, the average daily rate for that individual billing cycle is multiplied by four to estimate the consumption within the purchase period. This is illustrated in Figure 6.

Figure 6: Illustrative Example of Method 3 - Average Daily Consumption



Note that in all three methods, additional adjustments were made in instances where customer accounts either initiated or terminated in the purchase period.

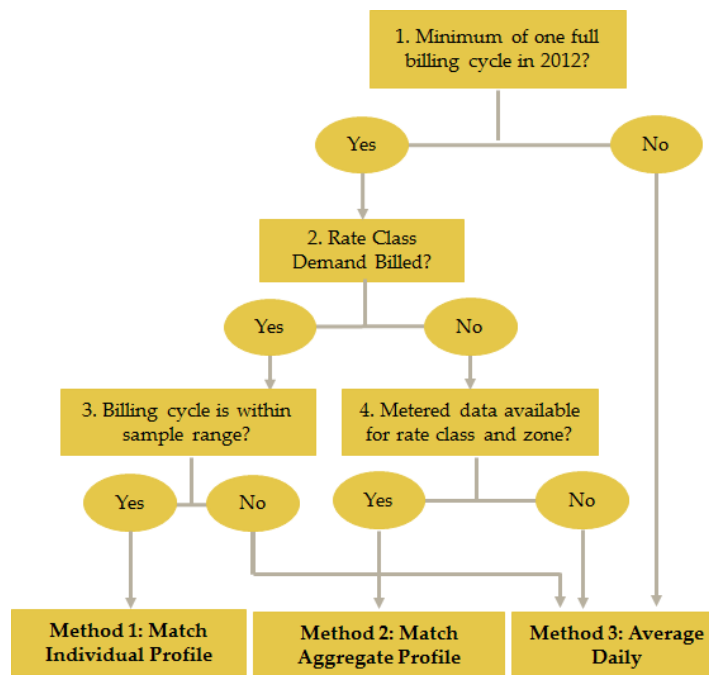
The method used for each conventional metered customer was determined based on the decision logic outlined below:

- customers were first segmented based on the answer to the following question: “is there at least one full billing cycle within the purchase period (i.e., is there at least one pair of actual bill-from and bill-to dates that are within the same purchase period)”. If the answer was no, the customer was assigned to method three.
- customers with at least one full billing cycle within the purchase period were then separated into two groups: those that are energy billed and those larger customers that are demand billed.

- the third step was to segment the demand billed customers based on the following question: “are the customer’s billing cycles within the sample range”⁹. Larger customers’ usage patterns and levels of consumption can vary widely based on many factors. Method one matches each individual customer to a sample customer with hourly meter data. To employ method one, the billing cycles for the conventional metered customer must fall within the sample range. If the customer billing cycle is outside of this range, method three must be used.
- the final step was to segment the energy billed customers based on the question: “is aggregate meter data available for the customer’s rate class and zone”. Method two matches conventional metered customers to an aggregate hourly profile for their zone and rate class. Thus, metered data must be available for their rate class and zone. If this data is unavailable, method three must be used.

Figure 7 illustrates the logic that decided the segmentation and treatment of conventional metered customers in the meter data method.

Figure 7: Decision Logic for Treatment of Conventional metered Customers in Meter Data Method



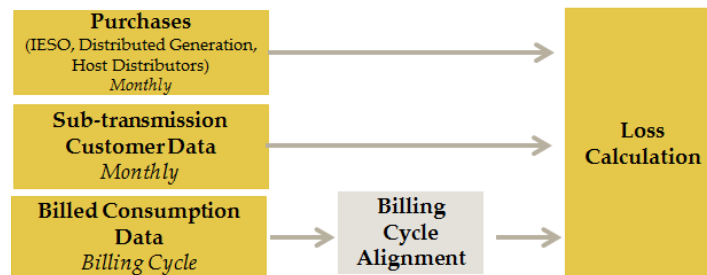
⁹ The sample range includes a random selection of GSD and UGD customers within each zone with hourly data from July 1, 2011 until December 31, 2012.

2.1.3 Bill Data Method

Overview

In the bill data method, which is consistent with the approach other distributors in Ontario use to determine actual losses, total losses are calculated as the aggregate of all customers. Average daily consumption is used to estimate consumption within billing cycles that do not directly align or are not fully contained within the purchase period. Sub-transmission customers are billed on a calendar month basis and estimates are not required to align consumption with the purchase period.

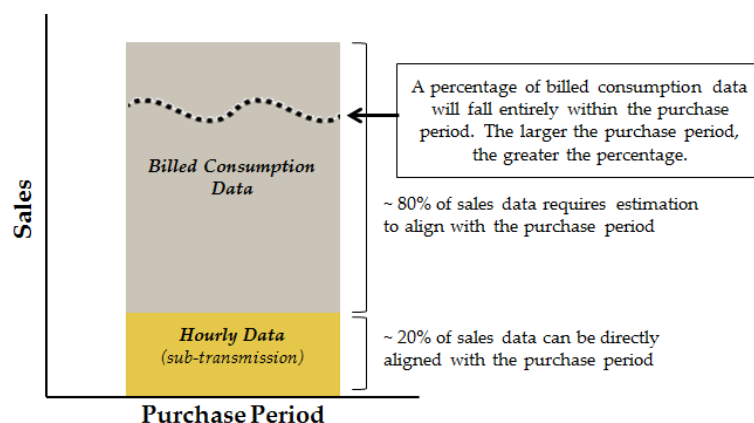
Figure 8: Bill Data Method Overview



In contrast to the meter data method, the bill data method leverages withdrawal information from a single source, minimising the risk for double counting or omitting customers. Unlike the meter data method, which takes considerable time and effort to implement, the bill data method is relatively straightforward to implement.

As illustrated in Figure 9, only a small percentage of total sales directly align with the purchase period. However, provided the purchase period is sufficiently long (i.e. one or more years), a large percentage of the billing cycle data will be entirely contained within it.

Figure 9: Bill Data Method Sales Data Alignment with Purchase Period



Data

The bill data method required the following inputs:

- IESO purchases, by month;
- Purchases from distributed generators, by month;
- other purchases such as transfers from host distributors, by month; and
- billed consumption for all customers, by billing cycle.

Billing Cycle Alignment

In the bill data method, average daily consumption is used to estimate consumption within billing cycles that do not directly align with the purchase period or are not entirely contained within it. This approach is consistent with the third method used to align billing cycle data in the meter data method described in the meter data method section. While at first glance this would appear to be a significant disadvantage of the bill data method, when the purchase period is a calendar year, the percentage of electricity consumed within billing cycles that overlap the beginning and end of a year can be small. The percentage is even smaller when the purchase period is multiple years. For example, in this report the cumulative variance over the three year period from 2010 to 2012 is analysed.

2.2 Results

This section outlines the results of both the meter data and bill data method for 2012, as well as the results of the bill data method for 2010 and 2011.

Losses are determined by subtracting total sales from total purchases. The variance is determined by comparing actual losses to the approved losses. To calculate the total approved losses, Navigant either (i) multiplied the consumption (C) by the TLF ($C \times (TLF)$), or (ii) multiplied the loss adjusted consumption (LAC) by the TLF over one plus the TLF ($LAC \times (TLF / (1 + TLF))$). In either case, this was done on a rate class by rate class basis, to take into account the different approved TLFs.

2.2.1 2012

The results of the meter data method for 2012 are presented in Figure 10.

Figure 10: Meter Data Method Results (2012)

	2012
Purchases (kWh)	25,214,927,356
Consumption (kWh)	23,917,241,601
Actual Losses (kWh)	1,297,685,755
Loss Adjusted Consumption (kWh)	25,652,307,042
Approved Losses (kWh)	1,735,065,441
Variance (kWh)	(437,379,686)
Approved TLF / Actual TLF	7.3% / 5.4%

Source: Hydro One data, Navigant analysis

The results of the bill data method for are presented in Figure 11.

Figure 11: Bill Data Method Results (2012)

	2012
Purchases (kWh)	25,214,927,356
Consumption (kWh)	24,060,730,736
Actual Losses (kWh)	1,154,196,620
Loss Adjusted Consumption (kWh)	25,806,884,587
Approved Losses (kWh)	1,746,153,851
Variance (kWh)	(591,957,231)
Approved TLF / Actual TLF	7.3% / 4.8%

Source: Hydro One data, Navigant analysis

Both methods indicate that in 2012 Hydro One's actual distribution losses were lower than the amount of losses recovered through the approved TLFs.

Figure 12 compares the results of both the meter data and the bill data methods.

Figure 12: Comparing Results of Meter Data and Bill Data Methods

	Meter Data Method	Bill Data Method
Purchases (kWh)	25,214,927,356	25,214,927,356
Consumption (kWh)	23,917,241,601	24,060,730,736
Actual Losses (kWh)	1,297,685,755	1,154,196,620
Loss Adjusted Consumption (kWh)	25,652,307,042	25,806,884,587
Approved Losses (kWh)	1,735,065,441	1,746,153,851
Variance (kWh)	(437,379,686)	(591,957,231)
Approved TLF / Actual TLF	7.3% / 5.4%	7.3% / 4.8%

Source: Hydro One data, Navigant analysis

The difference in the variance determined through the two methods is approximately 155 GWh, or six tenths of a percent (0.006 or 0.6%) of total purchases.

2.2.2 2010 and 2011

In 2010 and 2011, there were fewer Hydro One customers with smart meters on automated meter reads than in 2012. In 2010 less than 50% of Hydro One's RPP eligible customers had a smart meter registered with the IESO and the MDM/R for the entire year. In 2011, the number increased, but still, less than 70% of Hydro One's RPP eligible customers had a smart meter registered with the IESO and the MDM/R for the entire year. Based on this, Hydro One estimates that hourly data for 2010 and 2011, is available for less than 50% and 65% of all consumption, respectively. As a result, there is much less value associated with the meter data method in prior years. Based on this, and

the fact that the results of both methods in 2012 were similar, actual losses for 2010 and 2011 were only analysed using the bill data method. The results of this analysis are presented in Figure 13.

Figure 13: Bill Data Method Results (2010 and 2011)

	2010	2011
Purchases (kWh)	25,147,786,869	25,269,760,852
Consumption (kWh)	23,090,758,102	23,696,731,189
Losses (kWh)	2,057,028,767	1,573,029,663
Loss Adjusted Consumption (kWh)	24,801,899,448	25,418,695,980
Approved Losses (kWh)	1,711,141,347	1,721,964,791
Variance (kWh)	345,887,420	(148,935,128)
Approved TLF / Actual TLF	7.4% / 8.9%	7.3% / 6.6%

Source: Hydro One data, Navigant analysis

Based on this analysis, in 2010, Hydro One's approved loss factors under collected by approximately 346 GWh, whereas in 2011, the approved loss factors over collected by approximately 149 GWh.

2.2.3 Dollar Value of Variance

Hydro One will recognise the dollar value associated with the variance at Hydro One's effective average wholesale market cost for RPP consumers over the period.

Figure 14 outlines the annual variance from 2010 to 2012 using the bill data method and the corresponding dollar values that will be reported in Account 1588 RSVA Power. While the values in Figure 14 are reported on an annual basis, the calculation was done on a monthly basis to reflect the variation in monthly unit costs.

Figure 14: Loss Variance (2010 to 2012)

	2010	2011	2012	Total
Purchases (kWh)	25,147,786,869	25,269,760,852	25,222,134,097	75,639,681,818
Consumption	23,090,758,102	23,696,731,189	24,060,730,736	70,848,220,027
Actual Losses (kWh)	2,057,028,767	1,573,029,663	1,161,403,361	4,791,461,791
Loss Adjusted Consumption (kWh)	24,801,899,448	25,418,695,980	25,806,884,587	76,027,480,015
Approved Losses (kWh)	1,711,141,347	1,721,964,791	1,746,153,851	5,179,259,989
Variance (kWh)	345,887,420	(148,935,128)	(584,750,490)	(387,798,198)
Approved TLF / Actual TLF	7.4% / 8.9%	7.3% / 6.6%	7.3% / 4.8%	7.3% / 6.8%
RSVA Power (\$)	17,234,733	(3,343,507)	(14,438,777)	547,551

Source: Hydro One data, Navigant analysis

The total purchases for 2012 reported in Figure 14 are slightly different from the total purchases reported in Figure 11. Since the variances and the associated dollar amounts will be used for financial reporting, Navigant accepted Hydro One's recommendation to only include purchase data information that would be available when the purchase data record is officially closed for accounting purposes. The difference in total purchases 2012 between Figure 11 and Figure 14 reflects minor adjustments made to settlement invoices after the record closing date.

3 CLASS-SPECIFIC LOSSES

Meter data alone is not sufficient to support a review and assessment of Hydro One's current class-specific loss factors because purchases cannot be linked to a particular customer or customer class. As such, Navigant developed an alternative approach that is distinct from the approach used to analyse the actual system-wide losses. The approach that Navigant developed is based on engineering calculations of technical losses on a representative sample of feeders taken from across Hydro One's service territory, plus an adjustment to account for non-technical losses. The methodology that Navigant developed and the results of the analysis are presented in the sections that follow.

Hydro One's current approved loss factors for each rate class are listed in Figure 15 below.

Figure 15: Hydro One's Current Approved Loss Factors

Rate Class	Supply Facility Loss Factor (SFLF)	Distribution Loss Factor (DLF)	Total Loss Factor (TLF)
Urban Residential (UR)	0.6%	7.2%	7.8%
R1 Residential (R1)	0.6%	7.9%	8.5%
R2 Residential (R2)	0.6%	8.6%	9.2%
Seasonal (SEASONAL)	0.6%	8.6%	9.2%
Urban General Service Demand (UGD)	0.6%	5.5%	6.1%
General Service Demand (GSD)	0.6%	5.5%	6.1%
Urban General Service Energy (UGE)	0.6%	8.6%	9.2%
General Service Energy (GSE)	0.6%	8.6%	9.2%
Street Lighting (STR)	0.6%	8.6%	9.2%
Sentinel Lighting (SEN)	0.6%	8.6%	9.2%
Distributed Generation (DGEN)	0.6%	5.5%	6.1%
Sub-Transmission (ST) - Primary Metered	0.6%	2.8%	3.4%
Sub-Transmission (ST) - TS Metered	0.6%	0.0%	0.6%

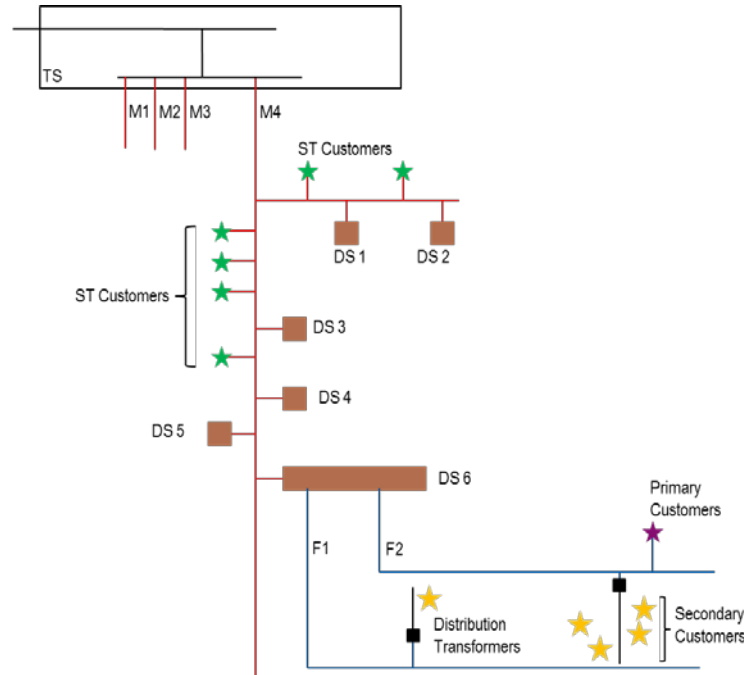
Source: Hydro One

Navigant's analysis did not include a review of the loss factors for Hydro One's Street Light, Sentinel Light, and Unmetered Scattered Load classes because of the lack of geographic and connectivity data for these customers. Distributed Generation customers were also not considered due to the relatively small volume and variable nature of this class. Sub-transmission customers were included in the review, however, it was later concluded that the number of customers in the sample was insufficient.

An illustrative schematic of a radial distribution network is provided below in Figure 16. In this example, the M-Class feeder, M4, serves six distribution stations (DS). One of those distribution stations, DS 6, has two F-Class feeders, F1 and F2, each of which feeds a single distribution

transformer which serves multiple secondary service customers. The F2 feeder also serves one primary customer. In reality, the F-Class feeders feed a larger number of distribution transformers and serve a larger number of customers. Figure 16 is intended to introduce some language and illustrate a typical configuration.

Figure 16: Illustrative Example of Distribution Network Radial



3.1 Methodology

3.1.1 Overview

Navigant's approach and use of engineering calculations was designed to answer "to what extent are the losses incurred to serve different classes of customers different" instead of attempting to answer "what are the total losses incurred across Hydro One's distribution network".

Navigant's methodology for analysing class-specific losses included eight components:

- power flow modeling to calculate the peak current (or I^2R) losses incurred on each segment of primary distribution feeder and transformer;
- tracing of the feeder segments between each distribution transformer and the transmission station;
- allocation of peak current (or I^2R) losses to each distribution transformer;
- the estimation of no load losses on distribution transformers;
- the estimation of I^2R losses on secondary distribution lines;

- an allocation of all of the above peak losses to the individual customers served by each distribution transformer and the aggregation of individual customer losses by rate class; and
- translation of peak load losses to average losses.

The first computational step was undertaken by Hydro One. The remaining six were undertaken by Navigant.

Ideally, the entirety of Hydro One's distribution system would be modelled simultaneously, and the elements of the methodology outlined above would be implemented for all feeders and all of Hydro One distribution customers. However, in reality the size of Hydro One's distribution network is such that modelling it in its entirety simultaneously and collecting all the necessary information to implement the methodology is not feasible. Instead, Navigant's methodology was deployed for a representative sample of feeders from across Hydro One's service territory. The results from the representative feeders were then extrapolated to reflect the entirety of Hydro One's distribution network.

3.1.2 Sample Design and Selection

This section describes Navigant's sample design and representative feeder selection process.

Overview

Hydro One provided Navigant with attribute and connectivity data for its approximately 3,200 distribution feeders. The approximately 3,200 distribution feeders included feeders Hydro One classifies as 'M-Class' or sub-transmission as well as 'F-Class' or primary distribution. The connectivity information allowed Navigant to aggregate the list of 3,200 feeders and attribute data into approximately 800 unique 'originating' feeders. For example, if one M-Class feeder served two downstream distribution stations and there were two F-Class feeders originating from each distribution station, Navigant aggregated the attribute data for the four F-Class feeders (two distribution stations x two feeders per station) as well as any unique attribute data for the M-Class feeder into one record.

The attribute data Hydro One provided to Navigant for each feeder included:

- voltage;
- length (km);
- number of customers, by rate class;
- provincial lines zone; and
- distributed generation (kW).

Navigant removed feeders from the list for which customer and attribute data was not available. This resulted in a final list of 676 feeders. In total, the 676 feeders serve over 80% of Hydro One

customers. The 676 originating feeders were then arranged into 16 clusters based on the similarity of their attributes. A representative feeder was then selected from each of the 16 clusters.

Figure 17: Clustering of Hydro One Distribution Feeders



Clustering

Fundamental to the clustering process was the notion of ‘similarity’ between two feeders. Navigant defined ‘similarity’ as the Euclidian distance between two feeders in an ‘n’ dimensional attribute space. Based on this definition, the distance between two feeders could be calculated based on the following formula:

$$Distance = \sqrt{(a_1 - b_1)^2 + (a_2 - b_2)^2 + \dots + (a_n - b_n)^2}$$

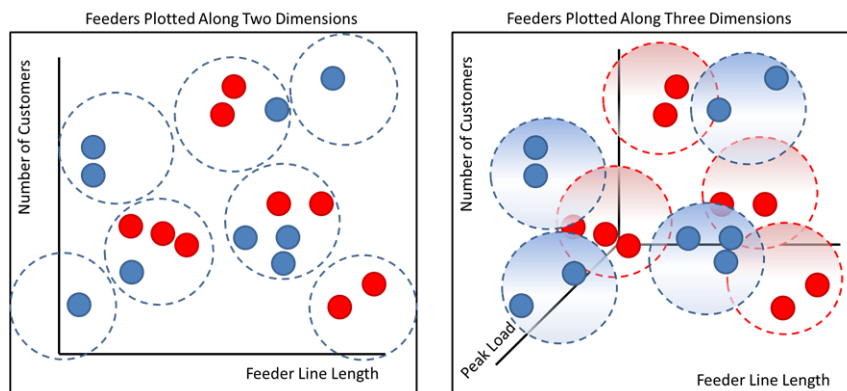
Where:

a_i is the value of attribute ‘i’ for feeder ‘a’; and

b_i is the value of attribute ‘i’ for feeder ‘b’.

This concept of similarity and distance is illustrated below in Figure 18. In the graphic on the left, feeders (represented by dots) are plotted on two dimensions (or attributes). Feeders that are close together on the two-dimensional surface are similar and hence grouped into a single cluster. In the graphic on the right, a third dimension (or attribute) is added. Adding the third dimension (or attribute) allows for greater distinction to be made between feeders.

Figure 18: Feeder Selection Process



Navigant’s clustering considered a total of eight attributes, and hence eight dimensions:

- originating line voltage;
- total feeder length;
- number of urban customers;¹⁰
- number of ST customers;
- number of GSD and GSE customers;
- number of R1 customers,
- number of R2 customers; and
- number of SEAS customers.

The clustering algorithm included four steps. In the first step, data for each attribute was normalised to a range from zero to one. This was done so that initially the distances between feeders was determined based on equal treatment of attributes (i.e. attributes with large nominal differences in values, for example, total feeder length does not dominate over attributes with small nominal differences in values, for example number ST customers served).

In the second step feeders were grouped into preliminary clusters. The clustering process employed was heuristic. It started by creating a new cluster for the first feeder. Then, the second and each subsequent feeder, was compared to all of the existing clusters. If the feeder was 'sufficiently similar' to an existing cluster it was added to that cluster, otherwise, it was placed in a new cluster. Once all feeders were assigned to a cluster, the process ended. In this step, the 'sufficiently similar' threshold was kept fairly strict, so as to identify clusters of feeders that were extremely similar.

Using the tight clusters as a starting point, the process was repeated with a slightly relaxed similarity condition. More feeders were added to the clusters identified in the first run and some new clusters were formed from feeders that were distinct from the tight clusters identified in the first iteration.

The algorithm produced approximately three dozen clusters. In reviewing the results Navigant applied professional judgement, excluding clusters containing feeders that served only a very small number of customers and combined some clusters in instances where the underlying feeders were similar. Ultimately, this resulted in a total of 16 clusters.

The average values of the attributes for each cluster are presented in Figure 19.

¹⁰ Inclusive of UR, UGE, and UGD.

Figure 19: Average Attributes of Feeder Clusters

Cluster	Originating Voltage (kV)	Total Length (km)	Number of Urban Customers	Number of ST Customers	Number of GSD Customers	Number of R1 Customers	Number of R2 Customers	Number of SEASONAL Customers
1	11	4	0	0	0	2	6	2
2	11	30	2	0	3	328	109	51
3	13	116	1	0	2	66	360	209
4	13	21	1,345	0	1	109	4	2
5	26	127	10	1	7	207	394	100
6	26	40	29	1	6	151	120	41
7	27	8	3	1	0	1	1	3
8	27	261	3	1	18	833	906	157
9	28	24	2,661	1	4	78	40	5
10	44	11	0	1	0	1	3	0
11	44	55	4	0	9	435	32	7
12	44	112	34	1	10	876	438	145
13	44	119	1	3	4	48	512	41
14	44	426	21	1	21	1,466	1,473	846
15	44	68	2,557	2	8	314	69	11
16	44	223	2,068	0	22	1,698	919	51

Clusters 4, 9 and 15 include feeders that predominantly serve urban customers. One of the key differences between them is the originating voltage. Feeders in Cluster 16 serve a mix of urban and non-urban customers, whereas the remaining clusters consist of feeders that serve predominantly non-urban customers.

Clusters 8, 14, and 16 consist of feeders that on average have a total circuit length of greater than 200 km. Clusters 3, 5, 12, and 13 consist of feeders that on average have a total circuit length of between 100 and 200 km. The remaining clusters consist of feeders that on average have a total circuit length of less than 50 km. These broader characteristics of the clusters are summarised in Figure 20 below.

Figure 20: Broad Characteristics of Clusters

Cluster	Voltage	Length	Number of Customers	Urban / Rural / Mixed
1	Low	Short	Low	Rural
2	Low	Short	Medium	Rural
3	Low	Medium	Medium	Rural
4	Low	Short	Low	Urban
5	Medium	Medium	Medium	Rural
6	Medium	Short	Medium	Rural
7	Medium	Short	Low	Rural
8	Medium	Long	High	Rural
9	Medium	Short	Medium	Urban
10	Medium	Short	Low	Rural
11	Medium	Short	Medium	Rural
12	Medium	Medium	High	Rural
13	Medium	Medium	Medium	Rural
14	Medium	Long	High	Rural
15	High	Short	Medium	Urban
16	High	Long	High	Mixed

Representative Feeder Selection

Within each cluster, Navigant identified two feeders with attributes similar to the average attributes of the cluster. These feeders were provided to Hydro One as suitable representative feeders. Hydro One then identified which of the two feeders could be analysed given readily available CYMDIST models.¹¹ A complete list of the feeders that were selected is provided in Figure 21. The feeder is designated by the originating feeder name. However, the models included all downstream distribution stations and primary feeders.

The strength of the sampling process is the clustering of similar feeders. The clusters are designed to be a unique grouping of similar feeders. That is, the feeders contained within each cluster are similar, but the feeders in one cluster are different from the feeders in every other cluster. It is this unique cluster design that allows a single feeder from each cluster to be representative of a large number of feeders, and ultimately a large number of customers. Navigant has deployed similar clustering techniques in other jurisdictions where utilities are attempting to identify a reasonable number of representative feeders from a very large radial network.

¹¹ CYMDIST is discussed in more detail in Section 3.1.3.

Figure 21: List of Representative Feeders

Cluster	Originating Feeder	Downstream Distribution Stations
1	Sapawe DS F2	N/A
2	Manotick DS F4	N/A
3	Verner DS F1	N/A
4	Petawawa DS F5	N/A
5	Murillo DS F3	N/A
6	Margach DS F1	N/A
7	Jarvis TS M7	N/A
8	Highbury TS M11	N/A
9	Timmins TS M10	Dorchester DS, Thorndale DS
10	Pembroke TS M3	N/A
11	Dryden TS M3	Dryden Government DS
12	Trout Lake TS M3	Callander DS
13	Palmerston TS M4	Harriston DS
14	Havelock TS M14	Campbellford Alma DS, Campbellford Front DS, Campbellford King DS, Petherwick Corner DS, Rylstone DS
15	Brockville TS M3	Brockville Cedar DS, Brockville Park DS, Brockville Schofield DS, Brockville Water DS
16	Wilson TS M16	Park Road DS

3.1.3 Loss Analysis

This section describes Navigant’s methodology to analyse class-specific losses across the sample feeder.

Overview

As indicated above in Section 3.1.1, there are nine major elements to Navigant’s methodology to analyse class-specific losses. Each of these components is discussed in more detail in the sections below.

Power Flow Modeling

Hydro One uses CYME International T&D’s CYMDIST Distribution System Analysis platform to simulate the behaviour of its distribution network. The CYMDIST platform is used to perform load flow, short-circuit, and network optimization analysis to support planning and other engineering studies. A component of the load flow analysis is the estimation of current based losses under given system configurations and loading.

Hydro One provided Navigant with the CYMDIST model outputs for each of the 16 representative feeders under peak load conditions and Hydro One’s standard modeling assumptions. The models capture the power flow downstream from the transmission station (TS) to the distribution

transformers. Loads downstream of the distribution transformers, i.e. secondary service customers, are modelled as a single aggregate load.

For each of the CYME models, Hydro One provided Navigant with a number of key outputs. For feeder segments, the outputs included:

- segment ID;
- GPS coordinates;
- node-to-node connectivity;
- length (km);
- cumulative length from the TS to the segment (km)
- number of phases;
- load (kW);
- segment losses (kW); and
- cumulative losses downstream from the segment (kW).

For transformers, the outputs included:

- transformer ID;
- 'from node';
- rated capacity (kVA); and
- load (kW).

In addition to the CYME model outputs, Hydro One provided Navigant with customer connectivity information for each distribution transformer and the geographic coordinates of each customer's meter. As will be discussed in further detail, the customer connectivity data and the geographic coordinates is what enables the estimate of losses on secondary lines and the allocation of losses to individual customers and hence customer classes.

Tracing Pathways

A key step in Navigant's methodology was to trace the feeder segment pathway from each distribution transformer to the transmission station. Each transformer ID was traced to a feeder segment based on the transformer's 'from node.' The feeder segment was then traced to the next feeder segment upstream, and so on and so forth, all the way up to the first segment of the feeder originating in the transmission station. An example of the results of this tracing exercise for five distribution transformers on the Sapawe DS F2 feeder is provided in Figure 22 below. In this case,

the distribution transformers are less than six segments away from the top of the feeder. In other instances there were several hundred segments between the distribution transformer and the transmission station.

Figure 22: Illustrative Example of Pathway from Distribution Transformer to TS

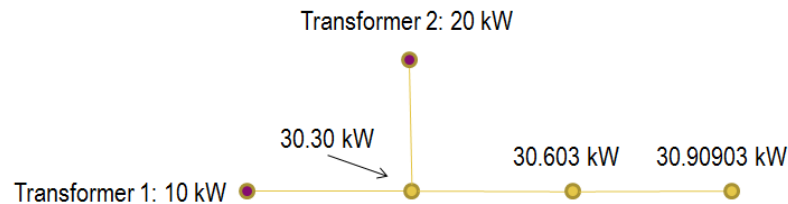
TransformerID	FromNode	Path -1	Path -2	Path -3	Path -4	Path -5	Path -6	Path -7
5405	45551_5405	SAPAWE_DS-3086	N/A	N/A	N/A	N/A	N/A	N/A
2006	45551_2006	467478.469_12476545	45551_404	467335.719_12476603	45551_5405	SAPAWE_DS-3086	N/A	N/A
2101	45551_2101	45551_2006	467478.469_12476545	45551_404	467335.719_12476603	45551_5405	SAPAWE_DS-3086	N/A
3298	45551_3298	467478.469_12476545	45551_404	467335.719_12476603	45551_5405	SAPAWE_DS-3086	N/A	N/A
2005	45551_2005	45551_3298	467478.469_12476545	45551_404	467335.719_12476603	45551_5405	SAPAWE_DS-3086	N/A

Allocation of Losses to Distribution Transformers

After the pathway from the distribution transformer to the TS was traced, incremental losses on each segment were allocated to the distribution transformers. The methodology for allocating segment losses to distribution transformers is best described through an example.

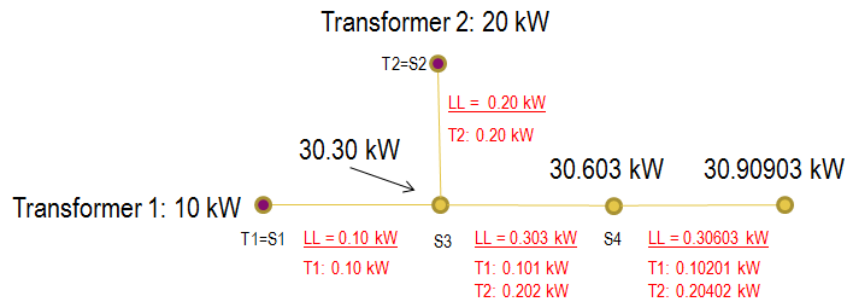
In the example, there are two distribution transformers; one has a peak load of 10kW and the other has a peak load of 20 kW. Assume for simplicity that the losses generated in each feeder segment are equal to 1% of the load in that segment. Thus, each segment has to provide 101% of the total load (including losses) downstream of it. Figure 23 illustrates the transformer loads and the losses on each segment based on the assumed 1% loss factor.

Figure 23: Illustrative Example of Transformer and Segment Load



The pathway from each transformer all the way up to the head of the feeder was found in step one and the load behind each transformer and each feeder segment is also known. Therefore, the losses can be proportionally allocated in each segment between the loads downstream based on the ratio of those loads and the accumulated losses. Figure 24 demonstrates the calculation for this example, where total line losses (LL) and the allocation to each distribution transformer are shown in red.

Figure 24: Illustrative Example of Loss Allocation



The general formula that extends this concept is as follows:

$$T1 \text{ } LL_{TOTAL} = \frac{T1}{S1} LL_{S1} + \frac{(T1 + T1_{LL1})}{S3} LL_{S3} + \frac{(T1 + T1_{LL1} + T1_{LL3})}{S4} LL_{S4}$$

$(T1_{LL1})$
 $(T1_{LL3})$
 $(T1_{LL4})$

Navigant used this formula to allocate all of the feeder segment losses to downstream distribution transformers.

No Load Losses

To simplify the modeling, no load losses were estimated as a fixed percentage of the size of the transformer. For distribution transformers no load losses were estimated to be 0.25% of the rated capacity.

Secondary Line Losses

Secondary losses were estimated for each individual customer based on the estimated contribution of each customer to the load on the transformer, the voltage of the secondary, the distance from the transformer to the customer meter, and typical secondary conductor types. Knowing the estimated load of a given customer, and the voltage on the secondary, Navigant estimated the current in the conductor. The resistivity was estimated based on standard resistivity/length specifications for typical secondary conductors, such as Triplex 3/0 and the length of the secondary. The length of the secondary was estimated based on the straight-line distance between the geographic coordinates of each customer's meter and the geographic coordinates of the distribution transformer that served the customer.

Allocation of Losses to Customers

In instances where the distribution transformer served only customers from one class, the current (i.e. I²R) losses were allocated to the distribution transformer were evenly allocated to each customer. In instances where the distribution transformer served customers of different classes, Navigant estimated the peak load contribution of each type of customer and used this as the basis for allocating current (i.e. I²R) losses.

Navigant used a regression to estimate the contribution of each type of customer to the peak load on a distribution transformer. The dependent variable in the regression was the load on each of the distribution transformers on a sample feeder. The independent variables were the number of customers from each class served by the distribution transformer. The form of the model was:

$$Load_t = \alpha_1 \times ST_t^{Cust} + \alpha_2 \times UDG_t^{Cust} + \alpha_3 \times GSD_t^{Cust} + \alpha_4 \times UGE_t^{Cust} + \alpha_5 \times GSE_t^{Cust} + \alpha_6 \times UR, R1, R2_t^{Cust} + \alpha_7 \times SEASONAL_t^{Cust} + \varepsilon_t$$

Where:

t denotes a single distribution transformer, and

α_1, α_2 , etc. represent the average peak load contribution of a customer in each class.

The model coefficients, α_1, α_2 , etc., were estimated using data for all the distribution transformers on a sample feeder. While the results of the estimation varied across the sample feeders, they were generally consistent with typical peak loads for the different types of customers.

No load losses on the distribution transformer and secondary losses were allocated in a different manner. No load losses were allocated on an equal basis to each customer. Losses on the secondary were estimated for each individual customer and hence further allocation was not required.

Peak to Average Losses

The approach outlined above results in an allocation of losses at peak load to each individual customer on a feeder. The peak load losses for individual customers were then aggregated by rate class. The peak load losses were translated to average losses using an estimate of the load loss factor (LLF). The LLF is defined as the ratio of average power loss to peak load loss. The LLF is a function of load factor (LF), which is defined as the average demand over a period of time to the maximum demand within that period for the particular network. Where hourly or more granular demand recordings exist, the LF and LLF can be calculated. For the purpose of this study, actual data for 2012 was used to determine the load factors for different classes of customers and the following empirical formula was used to estimate the LLF:

$$LLF = k * LF + (1 - k) * LF^2 \quad LLF = \frac{\text{Average Power Loss}}{\text{Peak Load Loss}}$$

Where:

k is a constant, 0.2 for medium voltage feeders and distribution stations or 0.3 for sub-transmission systems.

3.2 Results

The sample feeders selected for this study serve between one and five percent of the customers within each rate class (see Figure 25).

Figure 25: Customers Served by Sample Feeders

	ST	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Customers Served by Sample Feeder	25	25	108	588	1,503	8,624	8,197	5,373	1,544
Total Customers (2012)	795	1,185	6,550	12,308	98,513	167,672	403,304	370,995	153,653
Percent of Total	3%	2%	2%	5%	2%	5%	2%	1%	1%

The percentage of Hydro One's customers in each rate class served by each cluster of feeders is provided in Figure 26. A blank cell indicates that the feeders in the corresponding cluster do not serve customers in the rate class. A value of 0.0% indicates that the percentage of customers in the rate class served by feeders in that cluster is very small, less than one tenth of a percent. The bolded values highlight the clusters for which the sample feeders serve customers in a particular rate class. For example, the sample feeder selected from Cluster 4 served urban residential customers, whereas the sample feeder selected from Clusters 2 and 3 did not. Given the small number of UR customers served by feeders within Cluster 2, this is not surprising.

Figure 26: Percent of Hydro One Customers Served by Feeders in each Cluster

Cluster	ST	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
1					0.1%		0.0%	0.0%	0.0%
2			3.7%	0.3%	4.5%	0.1%	7.0%	2.4%	2.6%
3			1.3%		3.8%	0.0%	1.0%	6.0%	7.9%
4		3.8%	0.1%	6.1%	0.1%	6.0%	0.2%	0.0%	0.0%
5	8.3%		8.6%	0.5%	7.5%	0.4%	4.0%	7.8%	4.6%
6	7.4%	1.5%	5.2%	1.4%	2.7%	0.9%	2.1%	1.8%	1.4%
7	9.3%			1.2%	0.1%		0.0%	0.0%	0.1%
8	14.6%		20.1%	0.3%	17.0%	0.1%	15.7%	17.6%	7.0%
9	3.2%	29.5%	1.4%	23.5%	1.0%	36.3%	0.4%	0.2%	0.1%
10	13.6%				0.2%		0.0%	0.1%	
11			0.9%	0.1%	0.6%	0.0%	0.7%	0.1%	0.0%
12	4.9%		5.3%	0.7%	5.3%	0.7%	7.7%	4.0%	3.0%
13	3.7%		0.5%		0.5%	0.0%	0.1%	1.2%	0.2%
14	27.3%	1.0%	45.1%	1.8%	51.2%	1.7%	52.8%	54.9%	72.4%
15	7.6%	56.3%	2.7%	53.9%	1.2%	34.6%	1.9%	0.4%	0.2%
16		7.9%	5.1%	10.3%	4.0%	19.0%	6.4%	3.6%	0.5%
Population Represented by Sample Feeders	65%	94%	99%	94%	98%	96%	100%	99%	90%

The sum of the bolded values, presented in the last row of Figure 26 is the population of customers in each rate class represented by the sample feeders. In total, the sample feeders represent feeders

that serve between 90 and 99% of the population of customers in each rate class. The one exception is the ST customer class. Because of the small number of ST customers within Hydro One, the sample feeders selected from Clusters 5, 6, 8, and 12 did not include ST customers. However, each of these clusters includes feeders that serve, in aggregate, 5% or more of the total ST customers. Given the diversity of ST customers and this low representation amongst the sample feeders, Navigant concluded that it would not be appropriate to extend the analysis to the ST customer class. As such, the remainder of the discussion focuses on the general service and residential customer classes.

The decision to not extend the results to the Sub-Transmission impacts the overall allocation of losses between Sub-Transmission customers and other customers, but not the allocation between the other classes, for example the difference between the Urban Residential and R2 Residential loss factors are not affected.

The peak demand kW losses per customer for each rate class and sample feeder is presented in Figure 27.

Figure 27: Peak Losses (kW) per Customer

Sample Feeder	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Sapawe DS F2				0.17			0.08	0.04
Manotick DS F4		1.02		0.15		0.15	0.15	
Verner DS F1				0.39		0.06	0.19	0.11
Petawawa DS F5			0.12		0.03	0.11		0.03
Murillo DS F3		1.62		0.24		0.09	0.17	0.09
Margach DS F1		2.71		0.13		0.05	0.07	0.15
Jarvis TS M7								
Highbury TS M11		2.35		0.29		0.16	0.22	
Timmins TS M10	0.60	0.86	0.09	0.12	0.01	0.01	0.01	0.01
Pembroke TS M3								
Dryden TS M3		2.17		0.35		0.06		
Trout Lake TS M3		2.95		0.35		0.12	0.29	0.34
Palmerston TS M4		1.92		0.92			0.56	
Havelock TS M14		3.54		0.34		0.11	0.30	0.09
Brockville TS M3	1.68	0.43	0.21		0.05	0.06		0.05
Wilson TS M16	14.55	8.66	0.94	0.76	0.20	0.19	0.43	

The average demand kW losses per customer for each rate class and sample feeder are presented in Figure 28.

Figure 28: Average Losses (kW) per Customer

Sample Feeder	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Sapawe DS F2				0.11			0.05	0.03
Manotick DS F4		0.70		0.09		0.08	0.08	
Verner DS F1				0.21		0.03	0.09	0.04
Petawawa DS F5			0.08		0.02	0.06		0.02
Murillo DS F3		1.02		0.14		0.06	0.09	0.03
Margach DS F1		2.44		0.10		0.04	0.05	0.07
Jarvis TS M7								
Highbury TS M11		1.28		0.17		0.08	0.11	
Timmins TS M10	0.32	0.43	0.04	0.06	0.01	0.01	0.01	0.01
Pembroke TS M3								
Dryden TS M3		1.34		0.21		0.04		
Trout Lake TS M3		1.56		0.18		0.06	0.13	0.10
Palmerston TS M4		1.09		0.46			0.24	
Havelock TS M14		1.93		0.18		0.05	0.14	0.03
Brockville TS M3	1.08	0.29	0.13		0.03	0.04		0.03
Wilson TS M16	7.17	4.79	0.46	0.40	0.08	0.08	0.19	

The sample feeders were selected to be representative of the clusters that they are drawn from. The clusters represent 16 archetype feeders across Hydro One's distribution network. Figure 26 highlights the percentage of the population of each rate class served by the feeders within each cluster. For example, approximately six percent of UR customers are served by feeders within Cluster 4, 36% by feeders in Cluster 9, 35 % from feeders in Cluster 15, and 19% by feeders in Cluster 16. As such, to determine the average kW loss for a typical UR customer across Hydro One's entire system, the sample feeder results were weighted by the percentage of the population of each rate class served by feeders within each cluster. The formula used to weight the individual results was:

$$Weighted\ Average^{rc} = \sum_c Average\ Loss_{sf}^{rc} \times \frac{Percent\ of\ Customers\ Served_c^{rc}}{Total\ Population\ Represented\ by\ Sample\ Feeders^{rc}}$$

Where:

- rc denotes an individual rate class;
- c denotes an individual clusters; and
- sf denotes the sample feeder within an individual cluster.

The resulting weighted average kW losses per customer by rate class, average demand per customer by rate class, based on 2012 actuals, and resulting loss factors are presented in Figure 29.

Figure 29: Average Losses, Demand, and Technical Loss Factors by Rate Class

	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Average Losses (kW/cust)	1.358	1.749	0.140	0.181	0.030	0.059	0.126	0.037
Average Demand (kW/cust)	65.7	53.7	3.6	2.7	1.1	1.2	1.7	0.5
Technical Loss Factors	2.1%	3.3%	3.9%	6.7%	2.8%	4.8%	7.6%	7.5%

As evidenced from the result above, there is a clear difference in the loss factor between the urban and non-urban rate classes. This is intuitive, as the feeders serving urban customers tend to be shorter. The distribution transformers serving urban customer also tend to serve more customers, resulting a smaller allocation of no-load losses to an individual customer.

Note that the above values do not account for non-technical losses, or transformation losses in the transmission stations or high voltage distribution stations.

To determine whether the resulting technical loss factors were statistically different from each other, Navigant conducted a difference of means test on the underlying sample data. The test results are reported for the 'sub-classes' only (i.e. UGD vs. GSD, UGE vs. GSE, UR vs. R1, R1 vs. R2, and UR vs. R2). The results of this test are provided in Figure 30 below.

The test demonstrates that the null hypothesis (i.e. that the means of the two samples are the same) can be rejected at the 95% confidence interval for year round residential customers and at the 90% confidence interval for energy billed general service customers. Given the small number of demand billed general service customers in the sample, the null hypothesis cannot be rejected at a meaningful confidence interval. However, the results for the energy billed general service and residential customers clearly demonstrate that there is a meaningful difference in loss factors between urban and non-urban customers. The results for the more limited sample of GSD and UGD customers indicate a similar relationship. As such, Navigant believes it is appropriate to adopt the study results for the UGD and GSD rate classes.

Figure 30: Results of Difference of Means Test (95% Confidence Interval)

	UGD vs. GSD	UGE vs. GSE	UR vs. R1	R1 vs. R2	UR vs. R2
p-values	0.506	0.097	0.000	0.000	0.000

4 RECOMMENDATIONS

4.1 System-wide Losses and Variance

The meter data method is not the standard approach used in the industry. In general, utilities rely on an approach comparable to the bill data method to calculate actual losses. A key reason for this is that the meter data method requires the collection and analysis of vast quantities of hourly consumption data, which only recently became available for the majority of customers with the roll out of smart meters and the implementation of automated meter reads. The amount of hourly metered consumption data available to implement the meter data declines prior to 2012. The further back in time, the more the meter data method approaches the bill data method.

Based on these factors, and since the results of the meter data method and the bill data method for 2012 were reasonably similar, Navigant recommends that Hydro One use the bill data method to calculate actual losses from January 1, 2010 to December 31, 2013. The actual losses can then be compared to the approved losses to determine the variance and establish the amount to report in RSPA 1588 Power. The variance between actual and approved losses from January 1, 2010 to December 31, 2012, calculated using the bill data method is presented in this report (see Figure 14). Once the final settlement data becomes available, Hydro One will be able to perform a similar analysis for the period from January 1, 2013 to December 31, 2013.

While Navigant's analysis of system-wide losses shows that actual losses have varied from approved losses over the 2010 to 2012 period, the magnitude and sign of the variance has changed considerably from year to year. As such, Navigant recommends that Hydro One maintain the absolute level of approved losses and continue to monitor variances to assess whether an across the board increase or decrease to the approved TLFs is required to reduce the magnitude of the variance.

Going forward, Navigant recommends that Hydro One use the capabilities of its new CIS to improve the calculation of actual losses. Hydro One's new CIS includes an industry leading unbilled consumption module. The CIS uses individual customer's historic consumption data to estimate unbilled consumption and revenue as of a given date and time. The system develops a kilowatt-hour per day metric during a specified base period and applies it to unbilled period. With this module, the CIS is capable of determining total sales as well as unbilled consumption for each of Hydro One's ~1.2 million customers as of December 31 of each year.

4.2 Class-specific Losses

The results of Navigant's review and analysis of losses for the year-round residential, seasonal, and general service classes, suggest there is wider variability in the losses incurred to serve each class of customers than is currently reflected in the approved loss factors.

Navigant's analysis explicitly estimated the technical losses and corresponding loss factors for the year-round residential (i.e. UR, R1, and R2), seasonal, and general service (i.e. UGD, GSD, UGE, and GSE) rate classes.

In order to translate the technical loss factors estimated for the rate classes above into DLFs, non-technical losses need to be considered. To determine the TLF, further accounting for transformation losses in the transmission station and high voltage distribution station is required.

The non-technical loss factor should be set such that the variance between approved and actual system-wide losses is close to zero. Based on the total consumption by rate class for 2012, the calculated technical loss factors for the residential, seasonal, and general service classes would have resulted in a system-wide average loss factor of 5.4%. The system-wide average of the approved DLFs in 2012 for the residential, seasonal, and general service classes was 7.7%, a difference of 2.3%.

As mentioned above, based on the system-wide loss and variance analysis, Navigant recommends that Hydro One continue to monitor actual losses before determining whether adjusted the absolute level of the approved loss factors. Based on this recommendation, the non-technical loss factor would be set at 2.3%, such that the proposed TLFs for the residential, seasonal, and general service classes recover the same losses as the approved TLFs.

To account for transformation losses in the transmission and high voltage distribution stations, the current approved Supply Facility Load Factor (SFLF) of 0.6% is added to the DLFs to determine the TLF.

Figure 31 below presents Navigant's recommended DLFs and TLFs for Hydro One's residential, seasonal, and general service rate classes.

Figure 31: Proposed Loss Factors for the Residential, Seasonal, and General Service Classes

	UGD	GSD	UGE	GSE	UR	R1	R2	SEASONAL
Technical Loss Factor	2.1%	3.3%	3.9%	6.7%	2.8%	4.8%	7.6%	7.5%
Non-Technical Loss Factor	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
SFLF	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
TLF	5.0%	6.1%	6.7%	9.6%	5.7%	7.6%	10.5%	10.4%

Note: Differences between the sum of the individual values and the TLF are due to rounding.

Navigant proposes Hydro One maintain its current approved DLFs and TLFs for the Sub-Transmission, Street Lighting, Sentinel Lighting, Unmetered Scattered Load, and Distributed Generator rate classes.

ATTACHMENT 2

Template for External Expert Rule 13A Sign Off Document

Note that the consultant may choose to provide a reference to where in the study report the relevant information is provided rather than repeat it in its entirety in the sign off document.

Title of Report:

Distribution Line Loss Study

Consultant:

Benjamin Grunfeld, Associate Director, Navigant

Qualifications:

See attached curriculum vitae

Instructions Provided:

See expert report, in particular page 1.

Basis of Evidence:

See expert report, in particular pages 2 to 29.

Context of Evidence:

The evidence is provided as per OEB direction to Hydro One in a prior decision.
The evidence was not provided in response to another expert's evidence.

Confirmation:

The expert has been made aware of and agrees to accept the responsibilities that are or may be imposed on the expert as set out in Rule 13A.



Signature:

Name of Expert: Benjamin Grunfeld

Date: January 27, 2014

Benjamin Grunfeld

Benjamin Grunfeld
Associate Director

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Professional History

- London Economics International; Managing Consultant / Senior Consultant; Toronto, Canada
- Ampersand Energy Partners; Senior Associate; Boston, USA
- Navigant Consulting; Senior Consultant / Consultant; Toronto, Canada
- Hatch; Junior Engineer; Mississauga, Canada

Education

- M.Sc. Management and Economics; London School of Economics and Political Science; London, UK; 2008-2009
- B.Sc. Applied Mathematics and Electrical Engineering; Queen's University; Kingston, Canada; 1998-2003

Benjamin Grunfeld is an Associate Director in the Energy Practice at Navigant. Benjamin provides strategic advice and analytical expertise to utilities, independent power and transmission companies, and governments. He has considerable experience in the areas of energy policy design, power procurement, generation and transmission project development and finance, electricity market analysis and price forecasting, and utility regulatory economics. Benjamin has worked in regulated and deregulated markets across North America, as well as a range of developed and emerging economies around the world. He is responsible for all aspects of project fulfillment.

Prior to joining Navigant, Benjamin worked for London Economics International, a global economic, financial, and strategic advisory professional services firm, which specializes in energy, water, and infrastructure. He started his career as an engineer in the power and electro-technology group at Hatch.

Professional Experience

Transmission, Distribution, and Retail

- » **Ontario smart grid fund project evaluation and technical support** – Mr. Grunfeld is the project manager for Navigant's multi-year engagement with the Ministry of Energy to support the implementation of Ontario's Smart Grid Fund (SGF). Navigant's multi-faceted team, which consists of engineers, economists, and regulatory experts, assisted the Ministry of Energy by providing a thorough review of technical claims made by recipients on a set of Smart Grid Fund projects and by providing an ongoing risk assessment of the technical progress of each project with respect to anticipated outcomes. *[Client: Ontario Ministry of Energy; Date: 2013-2015; Location: Ontario, Canada]*
- » **Business plan review for RIIO-ED1** – Benjamin led a team to provide a review of a Distribution Network Operator's (DNO) business plans to be submitted in compliance with

Ofgem's RIIO (Revenue set to deliver strong Incentives, Innovation and Outputs) process. Benjamin and his team reviewed the business plans and the business plan consultation documents to: identify any missed opportunities or enhancements which could be embraced; provide a qualitative assessment of which network has a higher or lower probability of being fast-tracked in the RIIO process; and identify specific actions and priorities that would improve the chances of fast-track status. *[Client: Confidential (Distribution Network Operator); Date: 2013; Location: London, UK]*

- » **Development of risk-based compliance and enforcement framework** – Benjamin led an engagement with the Ontario Energy Board (OEB) to develop a risk-based approach to compliance for the electricity retailers and gas marketers segment of the energy sector. The development of a risk-based compliance framework builds on recent changes following the passage of the Energy Consumer Protection Act, 2010 (ECPA), which established a new framework for the regulation of retail activities and suite metering, and reinforced and expanded the OEB's consumer protection mandate. Navigant's scope of work consisted of three main elements: a review of other regulatory entities in Ontario and other jurisdictions that have implemented risk-based compliance frameworks; the development and recommendation of a compliance program framework; and assistance with the implementation of the recommended framework. As part of the implementation, Navigant facilitated risk assessment workshops with OEB staff. *[Client: Ontario Energy Board; Date: 2012-2013; Location: Ontario, Canada]*
- » **Merchant transmission asset valuation and project development support** - Benjamin was the lead financial and market advisor to a US merchant transmission company developing to value a three-way high voltage direct current connection between the Eastern, Western, and Texas interconnections in the United States. Ben led a team to project energy prices in the markets surrounding the proposed project, including the Southwest Power Pool, the Western Electricity Coordinating Council, and the Electric Reliability Council of Texas regional markets. Real options analysis was also used to estimate the value or short-term price arbitrage opportunities between the regions. Ben was responsible for developing revenue forecasts for the project over a 20-year period; the project is subject to market-based rates. Ben also advising on other financing, regulatory, and development related issues. *[Client: Confidential (Independent Transmission Company); Date: 2010; Location: Multiple, USA]*
- » **Due diligence support for potential investment in merchant transmission project** - Prepared three detailed presentations analyzing four proposed merchant high-voltage direct current transmission projects in the US. Analysis includes detailing the development roadmap and the current status of the proposed projects, identifying potential competitive threats from other similar competing transmission lines and local generation, and examining the renewable needs and willingness to pay of utilities on either end of the proposed transmission line. *[Client: Confidential (Independent Transmission Company); Date: 2011; Location: Multiple, USA]*
- » **Drafting private placement memorandum for merchant transmission developer** - Drafted a private placement memorandum for a merchant transmission developer's Series B capital raise. Responded to investor queries in relation to market value of transmission services, financing

arrangements, and competitive threats. *[Client: Confidential (Independent Transmission Company); Date: 2011; Location: Multiple, USA]*

- » **Technical advisor to the Ontario Distribution Sector Review Panel** – Benjamin was the project manager for Navigant’s provision of technical consulting services to the Ontario Distribution Sector Review Panel. As part of this engagement, Navigant provided insight on previous local distribution company (LDC) mergers and quantification of associated savings, trends in LDC spending and implications on the potential for further efficiencies, cost drivers for LDCs and potential efficiencies, and areas where LDCs are currently sharing common infrastructure, systems, and processes, and the potential for further efficiencies in these areas. *[Client: Ontario Ministry of Energy; Date: 2012; Location: Ontario, Canada]*
- » **Customer density and cost allocation study** – Benjamin and his team were engaged by Hydro One Networks, Inc. to review the existing density-based rate class design and cost allocation mechanisms associated with the utility’s electricity distribution business. The objective of the study is to establish a set of well-defined and defensible customer classes that take into account appropriate density differentiation. Benjamin led a consortium of firms providing econometric, engineering, and strategic advice to Hydro One Networks, Inc. in order to complete the study and assist with preparations for an upcoming rate application. Benjamin led two stakeholder engagement sessions. The first, to garner input into the methodology development, and the second, following the completion of the study, to present the results and findings. *[Client: Hydro One Networks, Inc.; Date: 2011; Location: Ontario, Canada]*
- » **Analysis of competition in the Texas retail electricity market** - Prepared a white paper on competition in the Texas residential and commercial retail electricity market. Provided an overview of the structure of the retail electricity market (history, size, suppliers, elasticity of demand and customer switching), performed market share and Herfindahl-Hirschman Index analysis and evaluated the potential impact of a proposed merger. *[Client: Confidential (Retail Electricity Provider); Date: 2010; Location: Texas, USA]*
- » **Electricity distribution tariff design** - Provided advisory support to the Electricity and Cogeneration Regulatory Authority for the Kingdom of Saudi Arabia. Ben assisted in the development of a long-term electricity tariff model and framework designed to achieve revenue sufficiency for the electricity sector as a whole for several regulatory periods from 2008 onwards. The tariff design embedded efficiency targets and incorporated a lifeline tariff for residential customers amongst other features. *[Client: Electricity and Cogeneration Regulatory Authority; Date: 2007-2008; Location: Saudi Arabia]*
- » **Benchmarking of distribution utility customer care costs** - Part of a team that provided an independent assessment of the competitiveness of pricing for customer care services. Ben analyzed and assessed the relative complexity of retail and regulated market structures in the United States and Canada, and prepared an overview of service quality requirements in multiple jurisdictions relative requirements in master service agreement. In addition, Ben also provided a

benchmarking analysis of United States and Canadian electricity and gas utility customer care related costs. *[Client: Confidential (Utility); Date: 2006; Location: Alberta, Canada]*

- » **Retail electricity supply market-entry strategy** - Led the development of a long-term wholesale electricity price forecast and market assessment report. Formulated and presented a market-entry and project-development strategy. *[Client: Confidential (Retail Electricity Provider); Date: 2005; Location: Ontario, Canada]*

Conventional Power Generation

- » **Post-PPA value** – Benjamin provided an assessment of the post-PPA value of a combined cycle gas turbine (CCGT) facility in Ontario. The analysis included an assessment of supply-demand conditions today as well as at the end of the initial contract term. Benjamin also developed an approach for valuing the “capacity” provided by the facility in the period after the initial contract. *[Client: Confidential (Independent Power Producer); Date: 2012; Location: Ontario, Canada]*
- » **Fair market valuation of anthracite coal facility** - Fair market valuation of a waste coal plant in Pennsylvania. Utilized a discounted cash flow analysis to determine the plant’s value. Reviewed operating agreements, and developed forecasts of going-forward input costs and maintenance requirements. To project revenue, forecast the energy, capacity and renewable energy credit prices in PJM. Led a site visit and interviews with key plant and owner personnel. *[Client: Confidential (Independent Power Producer); Date: 2011; Location: Pennsylvania, USA]*
- » **Natural gas market analysis** - For an independent power producer considering the acquisition of a natural gas fired generation facility in Ontario, Ben and his team evaluated the current and prospective fuel (natural gas) supply environment. The analysis considered the long-term liquidity of supply at the Union Dawn Hub and alternative sources as well as transportation availability and the potential for constraints from the Union Dawn Hub to the project site. *[Client: Confidential (Independent Power Producer); Date: 2010; Location: Ontario, Canada]*
- » **Valuation of combined-cycle gas turbine facility** - For an independent power producer considering the acquisition of a natural gas fired generation facility in Ontario, Ben and his team evaluated the historic performance of the facility under the Ontario Power Authority’s Clean Energy Supply Contract. The analysis included developing a dispatch model that reflected the “deemed” dispatch logic in the contract. The team also provided a 30-year forecast of wholesale and consumer energy prices in Ontario under two scenarios, high and low nuclear supply. The consumer price forecast is comprised of the wholesale price forecast and a forecast of the global adjustment, which takes into account the above/below market costs of consumer funded contracts and the regulation of generation assets. *[Client: Confidential Client (Independent Power Producer); Date: 2010; Location: Ontario, Canada]*
- » **Design and administration of competitive cogeneration procurement process** - Contributed to a team charged with the design and implementation of a request for proposal process for the procurement of up to 1,000 megawatts of combined heat and power projects (cogeneration). Tasks included: the designed the evaluation model that was used by the Ontario Power

Authority to evaluate the individual proposed projects; and the design and review of the proposed contract. *[Client: Ontario Power Authority; Date: 2006; Location: Ontario, Canada]*

- » **Power purchase agreement renegotiation support for existing natural gas facility** - Supported the renegotiation and extension of a non-utility generator contract for an existing facility in Ontario. Reviewed fuel procurement activities, and fuel price re-opener clauses within existing contract structure. Devised pricing methodology using fuel price indices and basis differential to limit exposure of counterparty to fuel procurement risk. *[Client: Ontario Electricity Financing Corporation; Date: 2006; Location: Ontario, Canada]*
- » **Discussion paper on incentive regulation mechanisms** – Benjamin prepared a detailed discussion paper on the current efficiency target incentive regulation framework in Ontario, including its history and evolution, and its applicability to Ontario Power Generation's prescribed nuclear and hydro-electric assets. Detailed case studies of other efficiency target regulatory regimes were also developed and included in the paper. *[Client: Ontario Power Generation; Date: 2012; Location: Ontario, Canada]*
- » **Framework for determining regulated cost of capital** – Benjamin was a contributor to a report analyzing the risk factors which need to be accounted for in the determination of an appropriate return on equity (ROE) and capital structure for Ontario Power Generation (OPG's) prescribed nuclear and hydro-electric assets. As part of this analysis, the team researched and benchmarks the capital structure and allowed ROEs of a number of Canadian provincially-owned and US Federally-owned power utilities. *[Client: Ontario Energy Board; Date: 2008; Location: Ontario, Canada]*

Renewable Power Generation

- » **Hydro-electric generation facility valuation** – Managed a team providing market expertise to a bidder involved in a British Columbia-based hydro-electric asset auction process. The team reviewed pertinent documents, provided forecasts of expected power prices at the Mid-Columbia hub in the US, assessed the facilities' eligibility under the BC Hydro Standing Offer Program, examined the potential for additional contract concessions to support expansion of the facility, and provided estimates of the value of the facility beyond the initial contract term. *[Client: Confidential Independent Power Producer; Date: 2012; Location: British Columbia, Canada]*
- » **Curtailement study for wind generation in Ontario** – Benjamin led Navigant's multi-client study to analyse the potential for transmission-connected wind generation resources in Ontario to be curtailed because of changes to the market rules. The analysis explored the potential for curtailment because of (i) province-wide oversupply, (ii) local oversupply, and (iii) other reliability requirements. Navigant reviewed historic levels of curtailment by analysing hourly Ontario demand, exports, electricity production, and transmission availability. Navigant also developed a 20-year forecast of curtailment potential using the fundamental electric market simulation tool PROMOD. *[Client: Multiple; Date: 2012; Location: Ontario, Canada]*

- » **Design of renewable energy procurement mechanisms and procurement vehicle for the Kingdom of Saudi Arabia** – Benjamin was the project manager for a multi-million dollar engagement with the King Abdullah City for Atomic and Renewable Energy (“K.A.CARE”) to develop a renewable energy procurement framework. The procurement framework consisted of a standard design for renewable energy competitive solicitations, a feed-in tariff program, a sustainable energy procurement company, and a strategy for leveraging the procurements to achieve a desired level of local economic impact. Benjamin led a multi-faceted on-the-ground team consisting of local and global industry experts, economists, financial analysts, engineers, and legal advisors. *[Client: King Abdullah City for Atomic and Renewable Energy; Date: 2012; Location: Saudi Arabia]*
- » **Evaluation of applications under the Ontario Aboriginal Renewable Energy Fund** - Led a team of three consultants providing desktop due diligence reviews of project applications received by the Ontario Power Authority under the Aboriginal Renewable Energy Fund. The team reviewed each application for eligibility, development risk (grid connectivity, property and resource control, and management experience), resource availability, technological risk, and economic return. *[Client: Ontario Power Authority; Date: 2011; Location: Ontario, Canada]*
- » **Energy and fuel sales agreement negotiation support for biomass to energy facility** - Led a team of two consultants supporting the negotiation of fuel supply and energy sales agreements for a biomass to energy facility. In particular, the analysis focused on the appropriateness and risk associated with price and cost escalation factors. Reviewed similar power purchase agreements and analyzed a suite of available indices. *[Client: Confidential (Industrial); Date: 201; Location: Maine, USA]*
- » **Independent monitor for renewable energy procurement** - Acted as the fairness monitor for the Ontario Power Authority’s evaluation of “launch period” feed-in tariff program applications. The team aided in the design of the evaluation framework and provided on-going support during the evaluation process. Performed a mock evaluation in parallel with the Ontario Power Authority as a method of auditing the results. Ben and his team also prepared a final report that outlined the team’s opinion as to the fairness of the overall process. *[Client: Ontario Power Authority; Date 2010; Location: Ontario, Canada]*
- » **Due diligence for proposed purchase of German hydro-electric assets** - Prepared a comprehensive market review and indicative price forecast for the German power pool. Provided an overview of the German electricity market, including: market and institutional structure, supply, demand, and the transmission system and topography. Also considered the impact of nuclear retirements on supply and pricing. *[Client: Confidential (Independent Power Producer); Date: 2010; Location: Germany]*
- » **Development support and market analysis for solid waste to energy project** - Prepared a comprehensive 15-year assessment of the Alberta wholesale power market, regional environmental attribute markets (greenhouse gas, renewable energy certificates, etc.), and Alberta natural gas markets for the developer of a municipal solid waste gasification and energy

conversion facility in Red Deer, Alberta. The team provided strategic advice on the negotiation of power purchase agreements, de-risking activities, and the general development landscape for renewable power generation projects in the province. *[Client: Confidential (Independent Power Producer); Date: 2010; Location: Alberta, Canada]*

- » **Modern portfolio theory and implications for hydro-electric portfolio performance** - For a hydro-electric generation developer, Benjamin hosted a workshop on the benefits of modern portfolio theory in the strategic development of an acquisition and development pipeline. The workshop outlined risks associated with hydro-electric generation assets such as hydrology, market price, technology, regulatory, development, etc. and the benefits that could be achieved through appropriate diversification. In particular, Ben and his team analyzed an actual acquisition pipeline, being targeted as part of a larger Initial Public Offering, and quantified the risk/return profile of the diversified portfolio relative to individual assets. *[Client: Confidential (Independent Power Purchaser); Date: 2010; Location: Multiple, Worldwide]*
- » **Design of the Ontario Aboriginal Renewable Energy Fund** - Advised on the establishment of the Aboriginal Renewable Energy Fund. Provided an estimate of development costs for various renewable technologies and sizes and reviewed provincial and local approval requirements. Contributed to the development of the overall fund framework, including eligibility criteria, application requirements, and monitoring processes. *[Client: Ontario Power Authority; Date: 2010; Location: Ontario, Canada]*
- » **Design of the Ontario Municipal Renewable Energy Program** - Advised on the establishment of the Municipal Renewable Energy Fund. Provided an estimate of the impact costs to municipalities hosting costs for various renewable technologies and sizes. Contributed to the development of the overall fund framework, including eligibility criteria, application requirements, and monitoring processes. *[Client: Ontario Power Authority; Date: 2010; Location: Ontario, Canada]*
- » **Financial and technical due diligence for biomass-fired power plant refurbishment** - Led the due diligence and coordinated the preliminary design efforts for a comprehensive refurbishment and expansion of a biomass-fuelled power generation facility. *[Client: Confidential (Independent Power Producer); Date: 2010; Location: Vermont, USA]*
- » **Strategic review of power generation assets** - Conducted a comprehensive strategic review of the company's extensive (> 400 megawatt) existing power-generation assets (primarily multi-fuel/biomass). *[Client: Confidential (Industrial); Date: 2010; Location: Multiple, USA]*
- » **Financial valuation and due diligence of wind power generation project** - Performed financial due diligence and developed the financial model for a potential investment in a wind generating facility on behalf of an Ontario distribution utility. Analyzed the reasonableness of the developer's assumed capital and operating costs; interconnection requirements; projected revenue; plant performance and technical characteristics; and financial structure. Ben provided a working model, due diligence questions, and developed a framework for analyzing the potential

risks associated with the investment. *[Client: Confidential (Utility); Date: 2009; Location: Ontario, Canada]*

- » **Financing and project management of biomass power plant refurbishment** - Provided ongoing support towards the \$35 million dollar financing of two 12.5 megawatt biomass-to-energy facilities in the central valley region of California. Involved in all aspects of the project's development including the review and negotiation of key contract documents (power purchase agreements, fuel supply contracts, refurbishment contracts, purchase and sale agreements, operations and maintenance agreements), environmental permitting (air, water, land use, community approval), and the negotiation and placement of equity and debt financing. *[Client: Confidential (Independent Power Producer); Date: 2006-2008; Location: California, USA]*
- » **Construction management of biomass power plant refurbishment** - Oversaw the \$35 million dollar refurbishment of two 12.5 megawatt biomass-to-energy facilities in the central valley region of California. Managed the interactions with regulators, fuel suppliers, power purchase agreement counterparty, operating company, and all other contract counter parties. Acted as Owner's Representative with regards to the management and supervision of construction activities. Managed and oversaw design and engineering, procurement of equipment, negotiation of sub-contractor contracts, and quality control and quality assurance. Responsible for the overall project budget and schedule. *[Client: Confidential (Independent Power Producer); Date: 2006-2008; Location: California, USA]*
- » **Hydro-electric power purchase agreement negotiation support** - Assisted with the design and negotiation of power purchase agreements for hydro-electric generation resources. Primary role was to develop incentive mechanisms to promote shifting of output into on-peak periods and efficient cost management under the quasi-regulatory contract structure. *[Client: Ontario Power Authority; Date: 2008; Location: Ontario, Canada]*
- » **Renewable energy sector growth strategy** - As part of a multi-firm engagement, led a team providing a comprehensive analysis of the financial, regulatory and business environment for renewable technologies in the United States for a diversified European investor looking for global investment opportunities. Provided an assessment of the relative costs of technologies such as biomass, solar, wind, and hydro. The analysis included review of federal and state tax benefits for renewable projects, assessment of mid-term prospects of electricity sector development and 10-year forecast of key wholesale electricity markets with focus on revenue potential for wind, solar, biomass and other renewable power plants. *[Client: Confidential (Industrial); Date: 2007; Location: Multiple, USA]*
- » **New England wholesale and capacity price forecasting and market analysis** - Developed 20-year forecasts of wholesale electricity and capacity market prices in the Independent System Operator New England control region. The work supported the successful re-financing of two hydro-electric facilities, one run-of-river and one pumped storage. *[Client: Confidential (Independent Power Producer); Date: 2007; Location: New England, USA]*

- » **Design of standard offer/feed-in tariff program** - Advised on various issues associated with the design of its initial renewable energy standard offer program, including: rationale for a standard offer; eligibility criteria; contract term; different approaches for establishing the standard offer price; and alternative incentive mechanisms for promoting on-peak generation. *[Client: Ontario Power Authority; Date: 2005-2006; Location: Ontario, Canada]*
- » **Independent evaluator for renewable power call for expressions of interest** - Reviewed and evaluated responses to the 2005 Capacity and Associated Energy Request for Expressions of Interest. Assessed development status and risk for generation and demand response projects. Developed a project specification and evaluation database, summarizing and characterizing each project. Other responsibilities included: developing economic models for individual projects; and authoring sections of the final report. *[Client: BC Hydro; Date: 2005; Location: British Columbia, Canada]*
- » **Valuation of wind power generation asset** - Performed a third party economic transaction valuation for a proposed wind farm in Ontario. Analyzed a range of factors impacting the potential value of the transaction, including: the adequacy of the existing transmission infrastructure, relative position within the Ontario Independent System Operator's interconnection assessment queue, environmental permitting requirements, value of renewable energy incentive mechanisms, and the potential for local opposition. *[Client: Confidential (Independent Power Producer); Date: 2005; Location: Ontario, Canada]*

Energy Efficiency

- » **Evaluation of demand-side product pricing practices** – Benjamin was part of a team that helped the Tennessee Valley Authority (TVA) assess alternative methods and models for evaluating the cost effectiveness of demand-side pricing and interruptible load tariffs, and estimating the costs avoided by those resources. *[Client: Tennessee Valley Authority; Date: 2012; Location: Tennessee, USA]*
- » **Independent monitor for demand response program administrator procurement** - Ben was the project manager for an engagement with the City of New Orleans. Ben and his team were engaged to act as the independent monitor for Entergy New Orleans' solicitation of a Third Party Administrator to implement and deliver conservation and demand management programs on behalf of the utility. The team provided guidance to Entergy and the City of New Orleans on the development of the request for proposals, including mandatory requirements and commercial terms. The team oversaw the bid receipt as well as the review and selection process. A final report was provided outlining the team's opinion as to the fairness of the overall process. *[Client: City of New Orleans; Date: 2010; Location: Louisiana, USA]*
- » **Economic analysis of participation in New England demand response program** - Supported the development of expert witness testimony on the economics and benefits of the company's participation in the New England Day-Ahead Load Response Program. The company's participation in the program was facilitated by generation from an onsite biomass-fuelled power

plant to displace internal load. *[Client: Confidential (Industrial); Date: 2009; Location: New Hampshire, USA]*

- » **Evaluation of conservation and demand management supply chain capabilities** - Prepared a report on the capability of the existing supply chain in Ontario to deliver conservation and demand management results. Created a model of future conservation and demand management deliveries based on resource to output ratios developed after a detailed review of local distribution company filings before the Ontario Energy Board. The review of filings was supplemented by a telephone survey. Also identified nine potential areas where conservation and demand management programs could be leveraged, based on an analysis of overall Ontario load and coverage of existing programs. *[Client: Ontario Power Authority; Date: 2007; Location: Ontario, Canada]*
- » **Energy management strategy** - Assessed the potential for energy and cost savings for a large Ontario commercial consumer. Provided a forecast of total energy supply costs and assessed the benefit of switching larger facilities to interval or time of use meters. Developed a road map for potential savings including the effective use of existing market mechanisms. *[Client: Confidential (Commercial); Date: 2006; Location: Ontario, Canada]*
- » **Determination of avoided cost from energy efficiency measures** - Developed an estimate of avoided costs used to value conservation and demand management initiatives in Ontario. Developed models to estimate the avoided energy, capacity and transmission costs and system losses. Prepared informal testimony and presented results to staff at the Ontario Energy Board. Analysis was approved without a formal hearing and has been used by various parties to assess the value of different investment alternatives including district energy projects. *[Client: Ontario Energy Board; Date: 2006; Location: Ontario, Canada]*

Multi-Segment

- » **Evaluation of the role of exports in integrating renewable and intermittent generation resources** – Benjamin led a team to develop an assessment of the value to Ontario of electricity exports, particularly in the context of the province’s current and foreseeable surplus baseload generation (SBG) challenges. The scope of work included providing an estimate of the approximate cost of SBG and benchmarks of implied mitigation costs. The team provided a fundamentals-based analysis of the role of exports and the value that exports provide and addressed whether exports were being appropriately utilized under the current market structure. Finally, Navigant estimated the approximate value of incremental export utilization *[Client: Confidential (Independent Power Producer); Date: 2012; Location: Ontario, Canada]*
- » **Comprehensive review of the Global Adjustment** - The Ontario Independent Electricity System Operator (IESO) retained Navigant to conduct a review of the Global Adjustment (GA) mechanism and to evaluate alternative cost recovery mechanisms. Benjamin was the project manager for this engagement. The GA is the largest of three mechanisms through which the IESO recovers the direct electricity supply cost from consumers. Navigant’s review had five specific objectives: (i) to advise if similar charges to the GA exist in other North American

jurisdictions, and if so to describe those charges and provide guidance on the advantages and disadvantages of employing a similar approach in Ontario; (ii) to identify more efficient options for recovering the GA costs from consumers, while allowing for greater responsiveness from customers; (iii) to consider the unbundling of the GA into component parts and an appropriate allocation of the costs on this basis; (iv) to consider the development of market mechanisms for customers and others to manage GA costs; and (v) to quantify the impact of recommended options. A substantial component of this engagement was consultation and facilitation with industry and government stakeholders. Navigant and the IESO consulted with stakeholders in advance, on the scope of the review, and subsequently throughout the review process. Navigant staff was responsible for facilitating two town-hall style events and for the preparation of consultation documents. *[Ontario Independent Electricity System Operator; Date: 2013; Location: Ontario, Canada]*

- » **Prudential collateral framework review** - Navigant is assisting the IESO in its review of the requirements for market participants to post credit support by participating in extensive stakeholder consultations, by analyzing the present system and potential changes to the system, facilitating stakeholder discussions and by helping in policy formulation. Benjamin was the project manager for this engagement. To assist in the evaluation of possible changes in the IESO system, Benjamin and his team also researched credit practices and other aspects of the prudential collateral framework used by other electricity system operators in North America, Australia and the UK. This research helped to define issues for the IESO and identify what approaches might be feasible in Ontario. It also allowed the IESO to compare its level of security with that of other system operators. *[Ontario Independent Electricity System Operator; Date: 2013; Location: Ontario, Canada]*
- » **Industrial Energy Initiative program design** – Advised both the Ontario Power Authority and the Ontario Ministry of Energy on the development of the Industrial Energy Initiative (IEI), which effectively offers new and existing industrial load in the province premium rates for electricity. Advised on a number of program design issues including: appropriate tariff levels, the impact on other customer classes, eligibility criteria, and the role of energy efficiency, among other issues. *[Ontario Power Authority; Date: 2012; Location: Ontario, Canada]*
- » **Forecast of Ontario wholesale and consumer electricity prices** – Benjamin led a team of three consultants providing a quarterly forecast of wholesale and consumer electricity prices to a retail electric provider with generation assets in Ontario. Analysis included a monthly five-year forecast of the Hourly Ontario Electricity Price (“HOEP”) and the Global Adjustment (“GA”). *[Client: Confidential (Retail Electricity Provider); Date: 2011; Location: Ontario, Canada]*
- » **Review of the Ontario market structure and recommendations for improvement** - Authored a report on the current electricity market structure in Ontario and develop a series of recommendations aimed at lowering the overall cost of electricity supply to consumers and improving the sector’s effectiveness. Led a team of consultants analyzing three key issues: the rising cost of electricity supply; the imbalance in the supply mix, both in terms of the overall installed generation capacity and the relative proportion of baseload and intermittent resources;

and the distortion of the wholesale market price signal. *[Client: Direct Energy Marketing, Ltd.; Date: 2011; Location: Ontario, Canada]*

- » **Comprehensive assessment of the British Columbia power sector** - Ben and his team developed a comprehensive report outlining the dynamics of the British Columbia electricity sector, in particular on Vancouver Island. The report analyzed long-term supply demand dynamics as well as the evolution of the Province's transmission network. The report also incorporated a synopsis of the recently introduced green energy legislation and its potential impact on the sector. *[Client: Confidential (Independent Power Producer); Date: 2010; Location: British Columbia, Canada]*
- » **Analyzing the cost of the Ontario Green Energy Act, 2009** - Led a team that developed a comprehensive independent analysis of the potential cost associated with the Ontario Green Energy Act, 2009. The analysis included estimates of the cost to Ontarians of: generation procured under a renewable energy feed-in tariff program; interconnection of new renewable facilities; the development and implementation of a "smart grid"; and new conservation and demand management initiatives. The engagement also required Ben to respond to media requests and facilitate a media conference. *[Client: Official Opposition in Ontario; Date: 2009; Location: Ontario, Canada]*
- » **Ontario wholesale and consumer price forecasting and market analysis** - Led the development of a long-term wholesale and consumer electricity price forecast and market assessment report. The report addressed the impact of supply-side announcements, including the Minister of Energy's Supply Mix Directive to the Ontario Power Authority. The study also discussed the impact of the delay in the retirement of Ontario's coal-fired capacity. *[Client: Exxon Mobil; Date: 2006; Location: Ontario, Canada]*
- » **Integrated resource plan development support** - Led the development of a peak demand forecast for the Ontario Power Authority's Integrated Power System Plan. Tasks included: estimating the impacts of various conservation and demand management scenarios; developing an hourly forecast of energy and peak demand; estimating end-use contributions to peak demand; estimating potential conservation and demand management impacts, by end-use; developing weather normalization algorithms and methodologies to weather-correct/normalize historic load data; estimating the impact of a system-wide deployment of time-of-use meters and time-of-use pricing on Ontario demand. *[Client: Ontario Power Authority; Date: 2006; Location: Ontario, Canada]*
- » **Ontario wholesale and consumer price forecasting and market analysis** - One of the primary authors of Navigant Consulting's semi-annual Ontario Market Assessment multi-client study. The assessment contains a detailed overview of the Ontario market, past and present. It includes an analysis of the implications of recent market developments and an outlook onto future developments. The report also contains a wholesale market price forecast and an in-depth analysis of the effective consumer (or blended consumer) price. As a major contributor to multiple Ontario Market Assessments, Ben authored multiple sections of the report and

performed the detailed analysis that accompanies the assessment; developed the fuel cost, demand and supply forecasts, and many other forecast assumptions underpinning the wholesale market price forecast. Ben also developed the estimate of the blended consumer price including an estimate of the “Global Adjustment”. *[Client: Multiple; Date: 2004-2006; Location: Ontario, Canada]*

- » **Variance tracking for Ontario regulated price plan** - Responsible for tracking and interpreting the variance between the forecast and actual Regulated Price Plan supply costs. Developed numerous summary and explanatory documents for both internal and public consumption. Developed the template for the “Monthly Variance Explanation” document posted monthly to Ontario Energy Board website. *[Client: Ontario Energy Board; Date: 2005-2006; Location: Ontario, Canada]*
- » **Integrated resource plan development support** - Performed analysis and provided support during the development of the Ontario Supply Mix Advice. Aided in the preparation and delivery of a seminar on modeling alternatives for portfolio analysis, highlighting available tools and resources. Developed an Excel based model to quantify portfolio costs and risks for the Ontario Power Authority’s report to the Ministry of Energy on the long term supply of electricity generation resources. Additional tasks included: developing a model to assess the peak demand impacts of conservation and time-of-use initiatives; developing conservation and smart meter load profile decrements for use within the portfolio evaluation model; developing a method for modeling weather impacts on base demand and conservation decrements. *[Client: Ontario Power Authority; Date: 2005-2006; Location: Ontario, Canada]*
- » **Regional wholesale and consumer price forecasting and market analysis** - Led the development of a comprehensive assessment of the Ontario, Michigan, New York and Quebec electricity markets. The assessment included a Political-Economic-Socio-cultural-Technological analysis for Ontario and the neighbouring markets combined. The report provided a long-term price forecast for Ontario and neighbouring US jurisdictions. Highlights of the report include a discussion of new supply initiatives, planned retirements, fuel price assumptions, and an overview of the available markets in each jurisdiction. *[Client: Confidential (Independent Power Producer; Date: 2005; Location: Ontario, Canada)]*
- » **Default supply pricing mechanism design and implementation** - Part of a team that provided consultancy services throughout the design and implementation of the Regulated Price Plan for provincial electricity consumers. Implementation included: developing the requisite forecasts for the Ontario wholesale electricity market; describing the precise methodology used to blend the costs from the various streams that contribute to the Regulated Price Plan supply; deriving final prices that consumers are charged under the Regulated Price Plan; and developing the final documents available for public consumption. Ben developed the blended cost model, which ultimately determined the rate passed on to consumers, assessed the impact of regulatory decisions, developing the two tier rates for conventional metered facilities as well as the three tier pricing structure for time of use metered facilities. Modeled the effect of a price-tier threshold adjustment on the generated revenues, determined offsetting adjustment required to maintain

revenue neutrality. Analyzed the key risk factors and sources of variance associated with the generated revenues and cost of supply for the Regulated Price Plan. [Client: Ontario Energy Board; Date: 2004-2005; Location: Ontario, Canada]

Publications and Speaking Engagements

- » Zarumba, R., Grunfeld, B., and Bailey, K. "Paying for Social Benefits: Calculating and Allocating Costs for Non-traditional Utility Services". *Public Utilities Fortnightly*. August 2013. pp 12-14.
- » Maxwell, P. Grunfeld, B. "Intermittent Resource Integration and the Need for Flexible Capacity Resources". *Navigant Energy Advantage, Spring* 2013. May 9, 2013
- » Grunfeld, Benjamin. "Liquidity in the ON Power Market - What Changes are Needed". Presenter. *12th Ontario Power Summit*. Toronto, ON, Canada. May 29, 2013
- » Grunfeld, Benjamin. "Critical Thinking for Stressful Times: Achieving Business Success in an Uncertain Policy Environment". Presenter. *Ontario Power Conference*. Toronto, ON, Canada. Apr 16, 2013
- » Grunfeld, Benjamin. "Making it Work in Ontario's Electricity Market – Experts Discuss the Way Forward". Presenter. *Independent Electricity System Operator Stakeholder Summit*. Toronto, ON, Canada. Mar 4, 2013
- » Grunfeld, Benjamin. "Was the Investment Worth It? Looking at the Long-Term Economic Impact of Feed in Tariff Programs in Ontario and Beyond". Panel Moderator. *CI Energy Group's Ontario Power Perspectives*. Toronto, ON, Canada. Apr 16, 2012.
- » Grunfeld, Benjamin. "Finance Innovation in Agri-Energy and Biomass". Panel Moderator. *Ontario Feed-in Tariff Forum*. Toronto, ON, Canada. Apr 3-4, 2012.
- » Grunfeld, Benjamin. "Solar Power: How Much and When". Presenter. *Third Ontario Solar Summit*. Toronto, ON, Canada. Nov 8, 2011.
- » Grunfeld, Benjamin. "Putting Things into Perspective, Power Sector Investment Climate in Ontario". Presenter. *Ontario Energy Association 2011 Annual Conference*. Niagara Falls, ON, Canada. Sep 16, 2011.
- » Grunfeld, Benjamin. "Report Card on Green Energy Objectives". Presenter. *Northwind Professional Institute 2011 Electricity Invitational Forum*. Cambridge, ON, Canada. Jan 27, 2011.

MODIFICATION TO BOARD'S COST ALLOCATION MODEL

1.0 INTRODUCTION

This exhibit details the modifications that Hydro One has made to the Board's Cost Allocation Model ("CAM") to reflect its unique circumstances.

2.0 COMPUTER MODEL

Hydro One has used Version 2 of the Board's CAM, published on August 5, 2011 modified to incorporate all structural and cosmetic differences between Version 2 and Version 3.1 of the CAM issued by the Board on August 2, 2013.

The Board's CAM has been modified to take into account the multiple rate classes served by Hydro One, including:

- a number of density-based customer classes;
- customers connected to the sub-transmission (ST) system; and
- the split of Hydro One's distribution system between bulk, primary and secondary distribution.

Unless otherwise noted, the changes made to the model are the same changes previously approved in the model used by Hydro One in proceeding EB-2009-0096.

3.0 CUSTOMER CLASSES

In Input Sheet 2 (I2 LDC class), Hydro One has entered the following Customer classes:

1	Residential - Urban Density	UR
2	Residential - Medium Density	R1
3	Residential - Low Density	R2
4	Seasonal Residential	Seasonal
5	General Service Energy Billed (Less than 50kW)	GSe
6	General Service Demand Billed (50kW or more)	GSd
7	Urban General Service Energy Billed (Less than 50kW)	UGe
8	Urban General Service Demand Billed (50 kW or more)	UGd
9	Street Lights	St Lgt
10	Sentinel Lights	Sen Lgt
11	Unmetered Scattered Load	USL
12	Distributed Generation	DGen
13	Sub-Transmission	ST

The customer classes are the same as those approved by the Board in Hydro One's last Cost of Service application (EB-2009-0096), except for the inclusion of a new Unmetered Scattered Load (USL) class as per the Board's guidelines in the "Review of Electricity Distribution Cost Allocation Policy" released in March 2011.

1 **4.0 MODEL CHANGES**

2
3 **Trial Balance (TB) Data (Input Sheet 3)**

4
5 Transformer Ownership Allowance is not populated as Hydro One's proposed Revenue
6 Requirement excludes the cost of Transformer Ownership allowance.

7
8 Hydro One includes sentinel lights as a regulated activity as per Regulation 116/02 dated
9 March 22, 2002, made under the *Electricity Act, 1998*. This regulation allows Hydro One
10 to include in its regulated rate base, the assets and OM&A directly related to the
11 provision of sentinel light services. As such, all costs and external revenues associated
12 with sentinel lights have been included in the model.

13
14 The formula in Cell G16 has been adjusted to reflect Hydro One's Working Capital.
15 USoA 1985 (Sentinel Light) is also taken into account when calculating Working Capital.

16
17 Based on actual 2012 year-end fixed assets data, about 3% of the amount in USoA 1815
18 is for wholesale meters. This amount was reclassified from USoA 1815 to USoA 1820.

19
20 New row has been added for account 4235-2 to separate out the miscellaneous revenue
21 associated with sentinel light pole rental charges.

22
23 External revenue in USoA 4330 was reclassified to USoA 5085.

24
25 Sentinel light costs in USoAs 5170 and 5172 were reclassified to USoA 5665 and were
26 directly allocated to this class.

1 Low-income Energy Assistance Program funding was reclassified from USoA 5320 to
2 USoA 6201-5.

3
4 A portion of the costs from USoAs 5310, 5315, 5610, 5615, 5630 and 5665 was directly
5 allocated to the interval metered customers to reflect the billing and settlement costs
6 incurred by these customers.

7
8 **Asset Breakout (Input Sheet 4)**

9
10 Changes have been made to the model to reflect the distribution assets used to supply the
11 ST customer class. These assets include: High Voltage Distribution Stations (HVDS), a
12 small number of Low Voltage Distribution Stations (LVDS) whose secondary voltages
13 are between 27.6 kV and 13.8 kV inclusive, and power lines between the voltages of 44
14 kV and 13.8 kV inclusive. In addition, some LVDS and power lines between the
15 voltages of 12.5 kV and 4.16 kV inclusive are also used to supply embedded LDC
16 customers below 13.8 kV.

17
18 Two sub-accounts have been created for USoA 1815 (Transformer Station Equipment-
19 Primary above 50 kV) to take into account the fact that these stations can be shared
20 between the bulk ST system customers and other retail customers, or used exclusively by
21 one customer group. Costs are allocated between HVDS-Retail and HVDS-ST in
22 proportion to the total consumption supplied from all HVDS.

23
24 USoAs 1830 (Poles, Towers and Fixtures), 1835 (Overhead Conductors and Devices),
25 1840 (Underground Conduit), and 1845 (Underground Conductors and Devices), are split
26 between bulk, primary and secondary assets using 2012 year-end gross book values of
27 Hydro One's fixed assets.

1 Sub-accounts have been created for USoAs 1830-3 (Poles, Towers and Fixtures – Sub-
2 Transmission Bulk Delivery) and 1830-4 (Poles, Towers and Fixtures – Primary) to
3 provide a split between ST and retail customers. To derive this split, the ST shared line
4 length as % of total bulk/primary line length is allocated to ST and Retail customers in
5 proportion to their kWh.

6
7 Sub-accounts have been created for USoAs 1835-3 (Overhead Conductors and Devices –
8 Sub-Transmission Bulk Delivery) and 1835-4 (Overhead Conductors and Devices –
9 Primary) to provide a split between ST and retail customers. Same methodology as
10 mentioned above for USoAs 1830-3 and 1830-4 was used to derive this split.

11
12 Service connections are estimated to represent 50% of the total length of overhead
13 secondary conductors. Accordingly, 50% of the amount in USoA 1835-5 (Overhead
14 Conductors and Devices – Secondary) has been moved to USoA 1855 (Services). All of
15 secondary underground conductors and devices (USoA 1845-5) are assumed to be
16 associated with service connections, and therefore the entire amount in USoA 1845-5 has
17 been moved to USoA 1855.

18
19 Sub-accounts have been created for USoA 1860 (Meters) to provide a split between
20 single-phase, poly-phase, ST, and smart meters. The split has been calculated using 2012
21 year-end gross book values of these various types of meters.

22
23 Where new sub-accounts were created, formulas to calculate totals were modified to
24 include sub-accounts and exclude main accounts.

25
26 For the reason discussed under section ***Trial Balance Data (Input Sheet 3)***, a row has
27 been added for USoA 1985 (Sentinel Lights).

1 Formulas for Contributed Capital (cell C104), Accumulated Depreciated (cell C105), and
2 Net Assets (cell C108) have been modified to add back the amounts associated with
3 USoAs 1600s, 1700s and 2040.

4
5 **Weighting Factors (Input Sheet 5.2)**

6
7 Weighting factors discussed in Exhibit G1, Tab 3, Schedule 1 have been used for
8 Services and Billing and Collecting.

9
10 **Revenue (Input Sheet 6.1)**

11
12 For GSe class, the monthly service charge entered in row 33 is excluding the adder for
13 USL metering credit.

14
15 For GSd, UGd, and DGen classes, volumetric distribution rates entered in row 35 are
16 excluding CSTA rate adder.

17
18 Hydro One's rates for Street and Sentinel Light customers are developed on per account
19 basis, not per connection. The revenue calculation formulas in row 39 for these two rate
20 classes have been altered accordingly.

21
22 **Customer Data (Input Sheet 6.2)**

23
24 The majority of, if not all, Sentinel Light customers have a primary account (either
25 residential or general service). To account for the fact that most of the customer related
26 costs are shared between the associated primary and sentinel light accounts, the number

1 of sentinel light connections entered in this worksheet are half of the total sentinel light
2 connections in Hydro One's distribution service territory.

3
4 **Meter Capital (Input Sheet 7.1)**

5
6 Hydro One has reviewed its meter capital costs and has entered the actual installed
7 cost/meter for each rate class in Column D.

8
9 **Meter Reading (Input Sheet 7.2)**

10
11 Based on current estimates, there will be about 42,000 customers without smart/interval
12 meter during the forecast period. It is estimated that residential and energy-billed general
13 service customers' meters will be read every three months (except one meter read per
14 year for Seasonal customers) and demand-billed general service customers' meters will
15 be read every month.

16
17 Hydro One has used the specific meter reading weighting factors previously approved in
18 EB-2009-0096, which were developed using the relative costs of meter reading for Hydro
19 One's diverse customer base.

20
21 **Demand Data (Input Sheet 8)**

22
23 Loss factors specific to each rate class were used to calculate load data at different
24 delivery levels: Transmission, Bulk, Primary, and Secondary. The Line Transformer
25 Non-coincident Peaks ("NCPs") were developed using the ratio of the billed demand for
26 customers that receive transformer ownership allowance and the total customer class
27 billed demand.

1 **Direct Allocation (Input Sheet 9)**

2
3 A portion of the amounts in following USoAs were directly allocated:

- 4 • 5310 Meter Reading Expenses;
5 • 5315 Customer Billing;
6 • 5610 Management Salaries and Expenses;
7 • 5615 General Administrative Salaries and Expenses;
8 • 5630 Outside Services Employed; and
9 • 5665 Miscellaneous General Expenses.

10
11 Most of these expenses relate to the staff dealing with interval metered customers and
12 have been distributed among customer classes using number of interval meters by rate
13 class.

14
15 A portion of 5665 has been directly allocated to sentinel lights.

16
17 Based on discussion with experts, salaries for 1.5 FTEs (from USoA 5610 and 5615)
18 have been directly allocated to DGen class.

19
20 **Revenue to Cost | RR (Output Sheet 1)**

21
22 Formula to check the rate base amount has been adjusted to be based on nearest millions
23 of dollar.

24
25 Formula to compare rate base input in sheet *I3 TB Data* with rate base output in sheet
26 *O1 Revenue to Cost / RR* results in a mismatch between the two numbers. Rows 84 to 91

1 have been added to show that once the amounts in USoAs 1600s, 1700s and 2040 have
2 been accounted for, the rate base input equals output.

3
4 **Fixed Charge Floor Ceiling (Output Sheet 2)**

5
6 Formula for General Plant-Gross Assets has been changed to include USoA 1985
7 (Sentinel Light) assets.

8
9 Formulas for all Fixed Assets costs have been adjusted to reflect new Fixed Assets sub-
10 accounts.

11
12 In Scenario 3, new rows have been added to reflect sub-accounts for USoA 4235 (4235-1,
13 4235-2, and 4235-90). Formula for the sub-total has been adjusted to reflect this change.

14
15 **Line Transformers PLCC Adjustment (Output Sheet 2.1)**

16
17 Formula for General Plant – Gross Assets has been changed to include USoA 1985
18 (Sentinel Light).

19
20 Formula for Peak Load Carrying Capability (“PLCC”) adjustment to Customer related
21 costs has been adjusted to ensure allocated cost does not exceed total cost when the
22 PLCC-Conductor kW is changed from the default of 400 W in worksheet E3: PLCC.

23
24 **Primary Costs PLCC Adjustment (Output Sheet 2.2)**

25
26 Formulas for Fixed Assets costs have been changed to reflect new sub-accounts.

1 Formula for General Plant – Gross Assets has been changed to include USoA 1985
2 (Sentinel Light).

3
4 **Secondary Costs PLCC Adjustment (Output Sheet 2.3)**

5
6 Formulas for Fixed Assets costs have been changed to reflect new sub-accounts.

7
8 Formula for General Plant – Gross Assets has been changed to include USoA 1985
9 (Sentinel Light).

10
11 **Line Transformer Unit Costs (Output Sheet 3.1)**

12
13 Formula for General Plant – Gross Assets has been changed to include USoA 1985
14 (Sentinel Light).

15
16 **Substation Transformation Unit Costs (Output Sheet 3.2)**

17
18 Formula for General Plant – Gross Assets has been changed to include USoA 1985
19 (Sentinel Light).

20
21 **Primary Cost Pools (Output Sheet 3.3)**

22
23 Formulas for Fixed Assets costs have been changed to reflect new sub-accounts.

24
25 Formula for General Plant – Gross Assets has been changed to include USoA 1985
26 (Sentinel Light).

1 **Secondary Cost Pools (Output Sheet 3.4)**

2
3 Formula for General Plant – Gross Assets has been changed to include 1985 (Sentinel
4 Light).

5
6 **USL Metering Credit (Output Sheet 3.5)**

7
8 Formulas for Fixed Assets costs have been changed to reflect new sub-accounts.

9
10 Formula for General Plant – Gross Assets has been changed to include 1985 (Sentinel
11 Light).

12
13 As per the Board's guidelines, Hydro One has developed a new Unmetered Scatter Load
14 (USL) customer class and will no longer be using the USL metering credit value.

15
16 **MicroFIT Charge (Output Sheet 3.6)**

17
18 As Hydro One has four residential rate classes, the MicroFIT charge is adjusted to
19 include all these classes. Additional columns have been added for each residential rate
20 class as well as a summary column that shows the total costs.

21
22 **Summary by Class and Accounts (Output Sheet 4)**

23
24 New rows have been added to reflect sub-accounts: 1815 – 1 and 2, 1830 – 3A and 3B,
25 4A and 4B, 1835 – 3A and 3B, 4A and 4B, 1850 – 1 and 2, 1860 – 1, 2, 3, and 4, USoA
26 1985 (Sentinel Light), and USoA 4235-2 (Sentinel Lights Pole Rental Charges).

1 **Details by Class and Accounts (Output Sheet 5)**

2
3 New rows have been added to reflect sub-accounts: 1815 – 1 and 2, 1830 – 3A and 3B,
4 4A and 4B, 1835 – 3A and 3B, 4A and 4B, 1850 – 1 and 2, 1860 – 1, 2, 3, and 4, USoA
5 1985 (Sentinel Light), and USoA 4235-2 (Sentinel Lights Pole Rental Charges).

6
7 Trial Balance Totals (Column E) of main Fixed Assets accounts are set to zero to avoid
8 double counting with new sub-accounts.

9
10 **Source Data for E2 (Output Sheet 6)**

11
12 New rows have been added to reflect new sub-accounts: 1815 – 1 and 2, 1830 – 3A and
13 3B, 4A and 4B, 1835 – 3A and 3B, 4A and 4B, 1850 – 1 and 2, and 1860 – 1, 2, 3, and 4.

14
15 Formulas for main Fixed Assets accounts have been adjusted to reflect the sum of sub-
16 accounts.

17
18 **Amortization (Output Sheet 7)**

19
20 New rows have been added to reflect new sub-accounts: 1815 – 1 and 2, 1830 – 3A and
21 3B, 4A and 4B, 1835 – 3A and 3B, 4A and 4B, 1850 – 1 and 2, 1860 – 1, 2, 3, and 4, and
22 USoA 1985 (Sentinel Light).

23
24 Formulas for main Fixed Assets accounts have been adjusted to reflect the sum of sub-
25 accounts.

26
27 Amount in USoA 1985 has been directly allocated to sentinel lights.

Categorization (Exhibit Sheet 1)

New rows have been added to reflect new sub-accounts: 1815 – 1 and 2, 1830 – 3A and 3B, 4A and 4B, 1835 – 3A and 3B, 4A and 4B, 1850 – 1 and 2, and 1860 – 1, 2, 3, and 4.

As approved in EB-2009-0096, and per the results of the Minimum System Study submitted as part of application EB-2007-0681, the Categorization factors for Fixtures, Conductors and Rural Transformers have been updated from the default value of 60% to 47.8%, 54.8% and 61.9%, respectively.

The updated factors are used to determine the customer portions of the costs for the following accounts and their sub-accounts:

1830	Overhead Fixtures	47.8%
1835	Conductors	54.8%
1840/45	Underground	54.8%
1850	Transformers	61.9%

The associated O&M accounts were also adjusted to track the Asset Accounts.

For example:

- USoA 5035, 5055 and 5160 for Transformers was set at 61.9%
- USoA 5120 for Fixtures Maintenance was set at 47.8%
- Conductor Related USoA (such as 5020, 5025 etc.) set to 54.8%.

Allocators (Exhibit Sheet 2)

New allocators, to reflect Hydro One's ST and density-based rate classes, have been developed and added in the CAM starting at row 121.

New density factors have been added at row 152.

Density-adjusted demand allocators have been added starting row 250.

PLCC (Exhibit Sheet 3)

As discussed in Exhibit G1, Tab 3, Schedule 1, PLCC values of 1,154 watts and 2,875 watts have been used for conductors and transformers, respectively.

Trial Balance Allocation Details (Exhibit Sheet 4)

New rows have been added to reflect new sub-accounts: 1815 – 1 and 2, 1830 – 3A, 3B, 4A and 4B, 1835 – 3A, 3B, 4A and 4B, 1860 – 1, 2, 3, and 4, and 4235-1, 2 and 90.

For the reasons discussed earlier in this schedule, a row has been added for USoA 1985 (Sentinel Light).

Allocators specific to Hydro One have been used where appropriate. Table 1 provides the list of allocators used to distribute Fixed Asset costs among customer classes.

Table 1
Fixed Asset Cost Allocators

USoA	Allocator	Basis
1805/1806/1808/1810-1: >50 kV Assets	TCP12-DA-All	Density adjusted total CP
1805/1806/1808/1810-2:	BCP12-DA-RCD-All	Density adjusted bulk CP with

USoA	Allocator	Basis
<50 kV Assets		estimate of embedded distributors connected below ST voltages
1815-1	BCP12-DA-ExST	Density adjusted bulk CP - Retail only
1815-2	1815-2D	HVDS Low Shared – ST only
1820-1	BCP12-DA-All	Density adjusted bulk CP
1820-2	PNCP4-DA-RCD-All	Density adjusted NCP with estimate of embedded distributors connected below ST voltages
1820-3	CEN EWMP	Energy by rate class excluding wholesale market participants
1830-3A	1830-3A	Density adjusted bulk CP - ST only
1830-3B	BCP12-DA-ExST	Density adjusted bulk CP - Retail only
1830-4A	1830-4AD	Primary Fixtures for ST only - Demand Related
	1830-4AC	Primary Fixtures for ST only - Customer Related
1830-4B	PNCP4-DA-ExST	Density adjusted primary NCP - Retail only
	CCP-DA-ExST	Density adjusted retail customer count
1835-3A	1835-3A	Bulk Lines for ST only

USoA	Allocator	Basis
1835-3B	BCP12-DA-ExST	Density adjusted bulk CP - Retail only
1835-4A	1835-4AD	Primary Lines for ST only -Demand Related
	1835-4AC	Primary Lines for ST only - Customer Related
1835-4B	PNCP4-DA-ExST	Density adjusted primary NCP - Retail only
	CCP-DA-ExST	Density adjusted primary customer count – Retail only
1830-5 & 1835-5	SNCP4-DA-All	Density adjusted secondary NCP
	CCS-DA-All	Density adjusted secondary customer count
1840-3 & 1845-3	BCP12-DA-All	Density adjusted bulk CP
1840-4 & 1845-4	PNCP4-DA-EXST	Density adjusted primary NCP - Excluding ST
	CCP-DA-ExST	Density adjusted primary customer count - Excluding ST
1840-5 & 1845-5	SNCP4-DA-ExST	Density adjusted secondary NCP - Excluding ST

USoA	Allocator	Basis
	CCS-DA-ExST	Density adjusted secondary customer count - Excluding ST
1850	LTNCP4-DA-ExST	Rural Transformers Retail - Demand Related
	CCLT-DA-ExST	Rural Transformers Retail - Customer Related
1860-1	CWMC-1	Meter Capital for energy-billed customers
1860-2	CWMC-2	Meter Capital for demand-billed customers
1860-3	CWMC-3	Meter Capital for ST customers
1860-4	CWMC-4	Meter Capital for all customers except ST
1985, 4235-2	SenLgt	100% to sentinel lights

Reconciliation (Exhibit Sheet 5)

New rows have been added to reflect new sub-accounts: 1815 – 1 and 2, 1830 – 3A, 3B, 4A and 4B, 1835 – 3A, 3B, 4A and 4B, 1860 – 1, 2, 3, and 4, and 4235-1, 2 and 90.

For the reasons discussed earlier in this schedule, a row has been added for USoA 1985 (Sentinel Light).

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2015

1
2
3

**Sheet I6.1 Revenue Worksheet -**

Miscellaneous Revenue (RRWF 5. cell F48)	48,008,939
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[illegible]



2015 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	14,323,475	2,517,071	5,264,769	4,024,652	575,257	1,123,257	73,430	213,438	22,838	58,651	360,484	67,769	12,132	9,727
Number of Devices															
Number of Connections (Unmetered)	CCON	41,015	-	-	-	-	-	-	-	-	20,347	15,020	5,647	-	-
Total Number of Customers	CCA	1,289,938	209,756	438,731	335,388	143,814	93,605	6,119	17,786	1,903	20,347	15,020	5,647	1,011	811
Bulk Customer Base	CCB	1,289,938	209,756	438,731	335,388	143,814	93,605	6,119	17,786	1,903	20,347	15,020	5,647	1,011	811
Primary Customer Base	CCP	1,288,652	209,756	438,731	335,388	143,814	93,605	6,119	17,786	1,903	20,347	15,020	5,647	461	74
Line Transformer Customer Base	CCLT	1,288,577	209,756	438,731	335,388	143,814	93,605	6,119	17,786	1,903	20,347	15,020	5,647	461	-
Secondary Customer Base	CCS	1,280,094	209,756	438,731	335,388	143,814	93,605	-	17,786	-	20,347	15,020	5,647	-	-
Weighted - Services	CWCS	1,080,822	104,878	329,048	503,081	143,814	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	269,866,013	31,463,389	65,809,808	58,692,840	25,167,476	33,697,704	8,872,847	8,448,572	2,759,591	-	-	-	1,718,700	33,235,286
Weighted Meter Reading	CWMR	231,614	4,822	21,432	101,265	32,865	39,465	22,605	3,244	5,916	-	-	-	-	-
Weighted Bills	CWNB	16,316,956	2,517,071	5,264,769	4,024,652	575,257	2,246,514	514,013	426,875	159,866	117,302	7,210	135,538	181,980	145,911
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



2015 Cost Allocation Model

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Sheet 18 Demand Data Worksheet -

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP

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

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

Customer Classes		Total	1 UR	2 R1	3 R2	4 Seasonal	5 GSe	6 GSd	7 UGe	8 UGd	9 St Lgt	10 Sen Lgt	11 USL	12 Dgen	13 ST
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,421,086	405,804	1,121,592	1,156,800	131,919	329,881	375,868	100,415	141,422	33,012	5,826	3,010	3,257	2,612,281
Bulk Delivery CP	BCP1	6,215,611	392,750	1,086,151	1,121,206	127,857	319,647	363,823	97,216	136,843	31,984	5,644	2,916	3,151	2,526,424
Total Sytem CP	DCP1	6,421,086	405,804	1,121,592	1,156,800	131,919	329,881	375,868	100,415	141,422	33,012	5,826	3,010	3,257	2,612,281
4 CP															
Transformation CP	TCP4	24,435,792	1,677,002	4,318,150	4,334,243	431,478	1,401,344	1,382,874	384,674	564,730	89,089	15,722	12,035	11,358	9,813,093
Bulk Delivery CP	BCP4	23,653,886	1,623,059	4,181,703	4,200,882	418,190	1,357,872	1,338,560	372,416	546,444	86,315	15,232	11,660	10,985	9,490,569
Total Sytem CP	DCP4	24,435,792	1,677,002	4,318,150	4,334,243	431,478	1,401,344	1,382,874	384,674	564,730	89,089	15,722	12,035	11,358	9,813,093
12 CP															
Transformation CP	TCP12	66,294,009	4,387,372	10,989,337	11,096,641	982,567	3,898,313	3,979,914	1,065,395	1,710,250	198,290	34,992	35,919	32,541	27,882,476
Bulk Delivery CP	BCP12	64,170,286	4,246,246	10,642,091	10,755,206	952,307	3,777,380	3,852,377	1,031,446	1,654,871	192,117	33,903	34,801	31,473	26,966,069
Total Sytem CP	DCP12	66,294,009	4,387,372	10,989,337	11,096,641	982,567	3,898,313	3,979,914	1,065,395	1,710,250	198,290	34,992	35,919	32,541	27,882,476
NON CO-INCIDENT PEAK															
1 NCP															
Classification NCP from															
Load Data Provider	DNCP1	6,942,838	443,933	1,173,748	1,206,863	157,197	444,688	435,042	126,447	203,559	50,100	8,841	3,039	3,754	2,685,625
Primary NCP	PNCP1	4,102,148	425,263	1,115,099	1,133,630	147,716	419,183	410,030	120,597	193,865	47,302	8,347	2,870	362	77,883
Line Transformer NCP	LTNCP1	3,933,223	425,263	1,115,099	1,133,630	147,716	419,183	348,480	120,597	164,679	47,302	8,347	2,870	57	-
Secondary NCP	SNCP1	3,326,414	419,994	1,090,844	1,092,184	142,389	405,738	-	118,507	-	45,879	8,096	2,783	-	-
4 NCP															
Classification NCP from															
Load Data Provider	DNCP4	26,662,655	1,731,045	4,472,108	4,563,501	573,672	1,700,334	1,725,299	484,076	765,295	191,719	33,833	12,101	14,599	10,395,073
Primary NCP	PNCP4	15,679,243	1,658,242	4,248,650	4,286,586	539,072	1,602,810	1,626,107	461,682	728,853	181,009	31,943	11,425	1,408	301,458
Line Transformer NCP	LTNCP4	15,022,773	1,658,242	4,248,650	4,286,586	539,072	1,602,810	1,382,008	461,682	619,124	181,009	31,943	11,425	223	-
Secondary NCP	SNCP4	12,666,136	1,637,696	4,156,234	4,129,865	519,631	1,551,400	-	453,680	-	175,567	30,982	11,082	-	-
12 NCP															
Classification NCP from															
Load Data Provider	DNCP12	71,301,668	4,707,026	11,527,441	11,415,488	1,269,866	4,704,344	4,909,640	1,337,074	2,135,186	453,311	79,996	36,072	41,393	28,684,831
Primary NCP	PNCP12	41,120,625	4,509,061	10,951,447	10,722,793	1,193,276	4,434,522	4,627,370	1,275,218	2,033,511	427,989	75,527	34,057	3,993	831,862
Line Transformer NCP	LTNCP12	39,284,632	4,509,061	10,951,447	10,722,793	1,193,276	4,434,522	3,932,746	1,275,218	1,727,365	427,989	75,527	34,057	632	-
Secondary NCP	SNCP12	32,714,237	4,453,194	10,713,235	10,330,759	1,150,241	4,292,285	-	1,253,115	-	415,120	73,256	33,033	-	-



2015 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
Distribution Revenue at Existing Rates	\$1,146,646,325	\$82,272,441	\$274,442,578	\$412,408,465	\$70,944,984	\$129,343,959	\$98,138,274	\$12,423,682	\$21,276,422	\$9,089,496	\$2,717,715	\$2,976,943	\$1,704,287	\$28,907,077
Miscellaneous Revenue (mi)	\$48,008,939	\$4,404,326	\$12,253,737	\$15,686,961	\$2,985,901	\$4,517,130	\$2,423,786	\$645,969	\$401,409	\$310,416	\$3,223,823	\$103,366	\$106,026	\$946,089
Miscellaneous Revenue Input equals Output														
Total Revenue at Existing Rates	\$1,194,655,264	\$86,676,768	\$286,696,315	\$428,095,426	\$73,930,885	\$133,861,089	\$100,562,060	\$13,069,651	\$21,677,832	\$9,399,912	\$5,941,538	\$3,080,309	\$1,810,313	\$29,853,166
Factor required to recover deficiency (1 + D)	1.1889													
Distribution Revenue at Status Quo Rates	\$1,363,255,917	\$97,814,287	\$326,286,720	\$490,515,338	\$84,346,993	\$153,777,947	\$116,677,288	\$14,770,603	\$25,295,689	\$10,806,566	\$3,231,111	\$3,539,309	\$2,026,239	\$34,367,828
Miscellaneous Revenue (mi)	\$48,008,939	\$4,404,326	\$12,253,737	\$15,686,961	\$2,985,901	\$4,517,130	\$2,423,786	\$645,969	\$401,409	\$310,416	\$3,223,823	\$103,366	\$106,026	\$946,089
Total Revenue at Status Quo Rates	\$1,411,264,855	\$102,218,613	\$338,540,457	\$506,202,299	\$87,332,894	\$158,295,077	\$119,101,074	\$15,416,572	\$25,697,098	\$11,116,982	\$6,454,934	\$3,642,674	\$2,132,265	\$35,313,917
Expenses														
Distribution Costs (di)	\$299,743,275	\$12,641,262	\$55,853,152	\$128,498,935	\$22,373,799	\$31,292,511	\$24,851,253	\$3,535,844	\$5,008,799	\$3,350,400	\$1,706,786	\$671,803	\$86,833	\$9,871,899
Customer Related Costs (cu)	\$115,547,644	\$16,021,322	\$35,075,076	\$30,434,806	\$7,879,177	\$13,039,367	\$3,805,856	\$2,472,986	\$913,450	\$797,013	\$473,872	\$518,101	\$658,954	\$3,457,694
General and Administration (ad)	\$138,263,922	\$9,227,787	\$29,555,956	\$52,324,658	\$9,897,707	\$14,677,271	\$10,250,904	\$2,000,911	\$2,163,615	\$1,351,690	\$707,344	\$381,025	\$805,708	\$4,919,326
Depreciation and Amortization (dep)	\$353,620,095	\$18,199,150	\$65,464,192	\$134,898,072	\$24,085,965	\$39,716,322	\$39,441,433	\$5,938,959	\$8,383,020	\$2,816,566	\$1,687,770	\$524,200	\$415,728	\$12,048,718
PILs (INPUT)	\$55,596,242	\$2,559,362	\$9,975,089	\$21,836,424	\$3,727,495	\$6,213,059	\$6,335,140	\$867,599	\$1,316,833	\$479,531	\$229,086	\$92,348	\$38,682	\$1,925,591
Interest	\$186,181,915	\$8,570,831	\$33,404,727	\$73,126,140	\$12,482,691	\$20,806,385	\$21,215,211	\$2,905,427	\$4,409,830	\$1,605,862	\$767,167	\$309,258	\$129,539	\$6,448,448
Total Expenses	\$1,148,952,684	\$87,219,714	\$229,328,193	\$441,119,036	\$80,446,834	\$125,744,915	\$105,899,817	\$17,721,726	\$22,195,547	\$10,401,063	\$5,572,024	\$2,496,735	\$2,135,444	\$38,671,648
Direct Allocation	\$10,749,789	\$0	\$0	\$0	\$0	\$374,744	\$2,439,673	\$93,973	\$738,683	\$0	\$1,095,658	\$0	\$3,245,326	\$2,761,732
NI	\$251,562,373	\$11,580,626	\$45,135,374	\$98,805,648	\$16,866,204	\$28,112,907	\$28,665,299	\$3,925,718	\$5,958,419	\$2,169,788	\$1,036,571	\$417,859	\$175,028	\$8,712,932
Revenue Requirement (includes NI)	\$1,411,264,855	\$78,800,340	\$274,463,567	\$539,924,684	\$97,313,038	\$154,232,565	\$137,004,790	\$21,741,417	\$28,892,648	\$12,570,851	\$7,704,253	\$2,914,594	\$5,555,798	\$50,146,310
Revenue Requirement Input equals Output														
Rate Base Calculation														
Net Assets														
Distribution Plant - Gross	\$9,396,314,905	\$438,416,448	\$1,708,571,557	\$3,720,492,942	\$638,578,972	\$1,024,010,729	\$1,037,705,693	\$141,453,375	\$215,670,124	\$80,035,625	\$38,025,003	\$15,349,236	\$6,911,815	\$331,093,386
General Plant - Gross	\$1,736,237	\$46,171,263	\$180,655,733	\$395,433,340	\$65,172,244	\$110,688,124	\$113,697,285	\$15,346,186	\$23,623,507	\$8,652,540	\$1,765,859	\$1,675,273	\$717,012	\$34,269,873
Accumulated Depreciation	(\$3,652,709,231)	(\$173,309,475)	(\$673,235,641)	(\$1,454,269,040)	(\$247,894,632)	(\$389,659,371)	(\$386,107,870)	(\$53,504,561)	(\$80,264,079)	(\$30,448,019)	(\$20,263,502)	(\$5,748,266)	(\$2,802,630)	(\$134,693,141)
Capital Contribution	(\$682,409,344)	(\$31,309,393)	(\$126,443,706)	(\$276,550,585)	(\$51,420,753)	(\$67,244,028)	(\$73,800,148)	(\$8,697,095)	(\$15,278,688)	(\$5,877,067)	(\$3,387,096)	(\$1,188,039)	(\$593,683)	(\$20,619,210)
Total Net Plant	\$6,077,934,516	\$279,468,942	\$1,089,547,942	\$2,385,106,651	\$407,445,831	\$677,796,453	\$691,494,960	\$94,597,905	\$143,730,863	\$52,363,079	\$32,010,264	\$10,088,204	\$4,232,614	\$210,050,907
Directly Allocated Net Fixed Assets	\$6,223,913,136	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP														
Cost of Power (COP)	\$2,626,865,276	\$219,937,511	\$555,751,877	\$542,540,108	\$50,361,274	\$247,431,848	\$270,913,515	\$68,090,523	\$120,333,353	\$13,824,216	\$2,439,568	\$2,682,621	\$2,362,066	\$530,196,795
OM&A Expenses	\$553,554,841	\$37,890,372	\$120,484,184	\$211,258,400	\$40,150,683	\$59,009,148	\$38,908,033	\$8,009,740	\$8,085,864	\$5,499,103	\$2,888,001	\$1,570,929	\$1,551,495	\$18,248,889
Directly Allocated Expenses	\$10,749,789	\$0	\$0	\$0	\$0	\$374,744	\$2,439,673	\$93,973	\$738,683	\$0	\$1,095,658	\$0	\$3,245,326	\$2,761,732
Subtotal	\$3,191,169,906	\$257,827,883	\$676,236,061	\$753,798,508	\$90,511,958	\$306,815,740	\$312,261,221	\$76,194,236	\$129,157,900	\$19,323,320	\$6,423,227	\$4,253,550	\$7,158,887	\$551,207,417
Working Capital	\$252,388,081	\$20,391,482	\$53,483,182	\$59,617,559	\$7,158,547	\$24,265,908	\$24,696,589	\$6,026,165	\$10,215,036	\$1,528,272	\$508,010	\$336,411	\$566,193	\$43,594,727
Total Rate Base	\$6,330,322,598	\$299,860,325	\$1,143,031,124	\$2,444,724,210	\$414,604,378	\$702,062,361	\$716,191,548	\$100,624,071	\$153,945,899	\$53,891,351	\$32,518,274	\$10,424,616	\$4,798,807	\$253,645,635
Rate Base Input Does Not Equal Output														
Equity Component of Rate Base	\$2,532,129,939	\$119,944,130	\$457,212,450	\$977,889,684	\$165,841,751	\$280,824,945	\$286,476,619	\$40,249,628	\$61,578,360	\$21,556,540	\$13,007,310	\$4,169,846	\$1,919,523	\$101,458,254
Net Income on Allocated Assets	\$251,562,373	\$34,998,899	\$109,212,265	\$64,883,263	\$6,886,060	\$32,175,419	\$10,761,583	(\$2,399,126)	\$2,762,869	\$715,918	(\$212,749)	\$1,145,939	(\$3,248,504)	(\$6,119,462)
Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Income	\$251,562,373	\$34,998,899	\$109,212,265	\$64,883,263	\$6,886,060	\$32,175,419	\$10,761,583	(\$2,399,126)	\$2,762,869	\$715,918	(\$212,749)	\$1,145,939	(\$3,248,504)	(\$6,119,462)
RATIOS ANALYSIS														
REVENUE TO EXPENSES STATUS QUO%	100.00%	1.30	1.23	0.94	0.90	1.03	0.87	0.71	0.89	0.88	0.84	1.25	0.38	0.70
EXISTING REVENUE MINUS ALLOCATED COSTS	(\$216,609,592)	\$7,876,427	\$12,232,748	(\$111,829,258)	(\$23,382,153)	(\$20,371,476)	(\$36,442,730)	(\$8,671,766)	(\$7,214,817)	(\$3,170,939)	(\$1,762,715)	\$165,715	(\$3,745,485)	(\$20,293,144)
STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$23,418,273	\$64,076,890	(\$33,922,385)	(\$9,980,144)	\$4,062,512	(\$17,903,716)	(\$6,324,845)	(\$3,195,550)	(\$1,453,869)	(\$1,249,319)	\$728,080	(\$3,423,533)	(\$14,832,393)
RETURN ON EQUITY COMPONENT OF RATE BASE	9.66%	29.18%	23.89%	6.64%	4.15%	11.46%	3.76%	-5.96%	4.49%	3.32%	-5.58%	14.00%	-186.01%	-11.41%

Total Gross Plant including USAs 1600s, 1700s and 2040	\$10,744,282,809
Total Accumulated Depreciation including USAs 1600s, 1700s and 2040	(\$3,837,338,067)
Total Capital Contributions	(\$682,444,259)
Total Net Plant	\$6,224,500,483
Working Capital	\$252,388,081
Total Rate Base	\$6,476,888,564
Rate Base from G TB Data Sheet	\$6,476,888,564
Rate Base Input Equals Output	



2015 Cost Allocation Model

EB-2013-0416

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

Output sheet showing minimum and maximum level for
Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System
with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
\$7.94	\$7.71	\$8.51	\$7.56	\$16.65	\$58.73	\$19.73	\$66.40	\$3.00	\$1.78	\$7.07	\$89.45	\$324.30
\$10.07	\$9.88	\$11.01	\$9.42	\$20.94	\$75.59	\$24.35	\$83.03	\$4.01	\$2.42	\$9.33	\$147.99	\$431.43
\$20.29	\$27.92	\$50.59	\$51.54	\$28.96	\$82.14	\$22.48	\$84.40	\$23.39	\$18.10	\$39.14	\$166.48	\$618.24
\$12.72	\$20.15	\$57.61	\$19.71	\$35.92	\$52.27	\$10.20	\$28.71	\$1.47	\$1.50	\$29.69	\$38.13	\$582.91

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2016

1
2
3



2016 Cost Allocation Model

EB-2013-0416

Sheet 16.1 Revenue Worksheet -

Total kWhs from Load Forecast	34,674,307,279
-------------------------------	----------------

Total kWhs from Load Forecast	40,641,590
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Deficiency/sufficiency (RRF 8. cell F51)	97,019,048
---	------------

Miscellaneous Revenue (RRWF 5. cell F48)	48,816,588
--	------------

	ID	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
Billing Data															
Forecast kWh	CEN	34,674,307,279	1,978,618,156	5,018,781,474	4,834,387,221	446,171,962	2,193,859,265	2,424,103,990	605,559,538	1,070,997,654	124,905,064	22,042,070	24,236,848	22,979,165	15,907,664,871
Forecast kW	CDEM	40,641,590	-	-	-	-	-	8,258,870	-	2,961,478	-	-	-	227,151	29,194,091
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,876,818	-	-	-	-	-	1,239,757	-	445,851	-	-	-	191,210	-
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	23,488,164,212	1,978,618,156	5,018,781,474	4,834,387,221	446,171,962	2,193,859,265	2,424,103,990	605,559,538	1,070,997,654	124,905,064	22,042,070	24,236,848	22,979,165	4,721,521,804
Existing Monthly Charge			\$20.29	\$27.92	\$68.49	\$26.78	\$28.96	\$82.14	\$22.48	\$84.40	\$4.01	\$2.42	\$39.14	\$166.48	\$860.77
Existing Distribution kWh Rate			\$0.0179	\$0.0315	\$0.0445	\$0.0938	\$0.0548		\$0.0246		\$0.0912	\$0.1197	\$0.0309		
Existing Distribution kW Rate								\$14.5768		\$8.3437				\$3.3127	\$1.2853
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,369,102,096	\$87,047,134	\$307,058,786	\$493,143,815	\$88,265,884	\$152,872,129	\$126,505,659	\$19,708,683	\$26,644,058	\$11,628,828	\$3,506,471	\$3,426,306	\$3,331,592	\$45,962,752
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,369,102,096	\$87,047,134	\$307,058,786	\$493,143,815	\$88,265,884	\$152,872,129	\$126,505,659	\$19,708,683	\$26,644,058	\$11,628,828	\$3,506,471	\$3,426,306	\$3,331,592	\$45,962,752



2016 Cost Allocation Model

EB-2013-0416

Sheet 16.2 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	14,467,454	2,544,597	5,335,500	4,059,185	577,732	1,127,370	74,480	214,053	22,919	59,224	358,692	68,405	15,492	9,804
Number of Devices															
Number of Connections (Unmetered)	CCON	41,190	-	-	-	-	-	-	-	-	20,544	14,946	5,700	-	-
Total Number of Customers	CCA	1,302,573	212,050	444,625	338,265	144,433	93,948	6,207	17,838	1,910	20,544	14,946	5,700	1,291	817
Bulk Customer Base	CCB	1,302,573	212,050	444,625	338,265	144,433	93,948	6,207	17,838	1,910	20,544	14,946	5,700	1,291	817
Primary Customer Base	CCP	1,301,128	212,050	444,625	338,265	144,433	93,948	6,207	17,838	1,910	20,544	14,946	5,700	588	75
Line Transformer Customer Base	CCLT	1,301,053	212,050	444,625	338,265	144,433	93,948	6,207	17,838	1,910	20,544	14,946	5,700	588	-
Secondary Customer Base	CCS	1,292,348	212,050	444,625	338,265	144,433	93,948	-	17,838	-	20,544	14,946	5,700	-	-
Weighted - Services	CWCS	1,091,325	106,025	333,469	507,398	144,433	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	272,729,703	31,807,460	66,693,754	59,196,448	25,275,756	33,821,106	8,999,636	8,472,943	2,769,390	-	-	-	2,194,700	33,498,508
Weighted Meter Reading	CWMR	231,614	4,822	21,432	101,265	32,865	39,465	22,605	3,244	5,916	-	-	-	-	-
Weighted Bills	CWNB	16,523,531	2,544,597	5,335,500	4,059,185	577,732	2,254,740	521,358	428,107	160,434	118,447	7,174	136,811	232,380	147,067

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 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
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,402,665	407,185	1,129,795	1,149,715	130,272	326,464	375,337	99,650	140,441	33,302	5,877	3,020	3,533	2,598,076
Bulk Delivery CP	BCP1	6,197,782	394,087	1,094,096	1,114,339	126,260	316,336	363,309	96,474	135,893	32,265	5,694	2,925	3,417	2,512,686
Total Sytem CP	DCP1	6,402,665	407,185	1,129,795	1,149,715	130,272	326,464	375,337	99,650	140,441	33,302	5,877	3,020	3,533	2,598,076
4 CP															
Transformation CP	TCP4	24,357,569	1,704,625	4,406,108	4,285,981	445,874	1,363,474	1,361,844	372,540	549,973	89,872	15,860	12,122	12,315	9,736,981
Bulk Delivery CP	BCP4	23,578,189	1,649,793	4,266,882	4,154,105	432,143	1,321,176	1,318,204	360,669	532,164	87,073	15,366	11,745	11,911	9,416,958
Total Sytem CP	DCP4	24,357,569	1,704,625	4,406,108	4,285,981	445,874	1,363,474	1,361,844	372,540	549,973	89,872	15,860	12,122	12,315	9,736,981
12 CP															
Transformation CP	TCP12	66,203,627	4,485,917	11,272,479	11,131,532	991,244	3,839,017	3,918,407	1,041,820	1,672,469	198,309	34,996	36,215	34,999	27,546,223
Bulk Delivery CP	BCP12	64,083,193	4,341,620	10,916,286	10,789,023	960,716	3,719,924	3,792,840	1,008,623	1,618,313	192,135	33,906	35,087	33,851	26,640,868
Total Sytem CP	DCP12	66,203,627	4,485,917	11,272,479	11,131,532	991,244	3,839,017	3,918,407	1,041,820	1,672,469	198,309	34,996	36,215	34,999	27,546,223
NON CO_INCIDENT PEAK															
1 NCP															
Classification NCP from Load Data Provider	DNCP1	6,922,280	445,444	1,182,333	1,199,471	155,234	440,066	434,428	125,483	202,147	50,541	8,919	3,061	4,071	2,671,082
Primary NCP	PNCP1	4,095,881	426,710	1,123,256	1,126,687	145,871	414,826	409,452	119,677	192,521	47,717	8,421	2,890	393	77,462
Line Transformer NCP	LTNCP1	3,927,641	426,710	1,123,256	1,126,687	145,871	414,826	347,988	119,677	163,537	47,717	8,421	2,890	62	-
Secondary NCP	SNCP1	3,322,727	421,423	1,098,823	1,085,494	140,610	401,520	-	117,603	-	46,283	8,168	2,803	-	-
4 NCP															
Classification NCP from Load Data Provider	DNCP4	26,588,860	1,736,936	4,504,819	4,541,220	566,507	1,682,682	1,722,864	479,401	759,987	193,404	34,130	12,193	15,919	10,338,798
Primary NCP	PNCP4	15,660,306	1,663,886	4,279,726	4,265,657	532,339	1,586,170	1,623,811	457,223	723,797	182,600	32,224	11,512	1,536	299,826
Line Transformer NCP	LTNCP4	15,006,466	1,663,886	4,279,726	4,265,657	532,339	1,586,170	1,380,058	457,223	614,829	182,600	32,224	11,512	243	-
Secondary NCP	SNCP4	12,656,869	1,643,270	4,186,635	4,109,701	513,141	1,535,293	-	449,298	-	177,110	31,255	11,166	-	-
12 NCP															
Classification NCP from Load Data Provider	DNCP12	71,121,321	4,724,653	11,611,757	11,351,241	1,248,060	4,655,202	4,913,581	1,325,652	2,120,374	456,947	80,638	36,366	45,034	28,551,816
Primary NCP	PNCP12	41,069,977	4,525,947	11,031,550	10,662,445	1,172,785	4,388,198	4,631,085	1,264,324	2,019,404	431,421	76,133	34,334	4,344	828,005
Line Transformer NCP	LTNCP12	39,239,111	4,525,947	11,031,550	10,662,445	1,172,785	4,388,198	3,935,903	1,264,324	1,715,382	431,421	76,133	34,334	687	-
Secondary NCP	SNCP12	32,680,025	4,469,871	10,791,596	10,272,617	1,130,489	4,247,447	-	1,242,410	-	418,449	73,844	33,302	-	-



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	2	3	4	5	6	7	8	9	10	11	12	13
crev	mi		UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
		Distribution Revenue at Existing Rates	\$1,369,102,096	\$87,047,134	\$307,058,796	\$493,143,815	\$88,265,884	\$152,872,129	\$126,505,650	\$19,708,683	\$26,644,058	\$11,628,828	\$3,506,471	\$3,426,306	\$45,962,752
		Miscellaneous Revenue (mi)	\$48,816,588	\$4,455,771	\$12,506,196	\$16,059,002	\$3,045,571	\$4,559,787	\$646,595	\$402,142	\$316,016	\$3,183,271	\$102,712	\$124,133	\$948,054
		Miscellaneous Revenue Input equals Output													
		Total Revenue at Existing Rates	\$1,417,918,684	\$91,502,905	\$319,564,992	\$509,202,906	\$91,311,455	\$157,431,915	\$128,972,909	\$20,355,278	\$27,046,200	\$11,944,844	\$6,689,742	\$3,529,018	\$3,455,725
		Factor required to recover deficiency (1 + D)	1.0709												
		Distribution Revenue at Status Quo Rates	\$1,466,121,144	\$93,215,578	\$328,817,975	\$528,089,507	\$94,520,693	\$163,705,147	\$135,470,263	\$21,105,305	\$28,532,143	\$12,452,885	\$3,754,951	\$3,669,105	\$49,219,823
		Miscellaneous Revenue (mi)	\$48,816,588	\$4,455,771	\$12,506,196	\$16,059,002	\$3,045,571	\$4,559,787	\$646,595	\$402,142	\$316,016	\$3,183,271	\$102,712	\$124,133	\$948,054
		Total Revenue at Status Quo Rates	\$1,514,937,732	\$97,671,349	\$341,324,170	\$544,148,688	\$97,566,264	\$168,264,934	\$137,937,513	\$21,751,899	\$28,934,285	\$12,768,901	\$6,938,222	\$3,771,817	\$3,691,813
		Expenses													
di		Distribution Costs (di)	\$341,539,389	\$14,565,129	\$64,489,648	\$146,412,066	\$25,712,495	\$35,200,046	\$27,854,574	\$3,969,804	\$5,582,933	\$3,847,584	\$1,942,016	\$774,857	\$11,072,026
cu		Customer Related Costs (cu)	\$115,330,702	\$16,020,301	\$35,136,479	\$30,357,180	\$7,855,163	\$12,339,773	\$3,798,820	\$2,452,667	\$905,571	\$798,444	\$470,602	\$516,306	\$829,319
ad		General and Administration (ad)	\$142,087,737	\$20,208,234	\$30,272,226	\$54,343,243	\$10,249,525	\$14,889,665	\$10,532,654	\$1,999,240	\$2,199,284	\$1,414,512	\$730,712	\$386,563	\$917,492
dep		Depreciation and Amortization (dep)	\$373,249,863	\$18,928,312	\$69,090,453	\$141,989,045	\$24,680,624	\$41,663,730	\$42,752,662	\$6,235,158	\$9,052,210	\$3,005,590	\$1,722,723	\$547,155	\$13,068,265
inp		PLTs (INPUT)	\$61,599,816	\$2,801,772	\$11,087,413	\$24,150,030	\$6,825,401	\$15,469,971	\$7,145,364	\$952,291	\$1,476,985	\$537,943	\$251,340	\$102,792	\$48,505
INT		Interest	\$200,631,992	\$9,125,436	\$36,111,953	\$78,657,192	\$13,255,988	\$22,230,485	\$23,272,613	\$3,101,634	\$4,810,575	\$1,752,093	\$818,620	\$334,797	\$157,982
		Total Expenses	\$1,234,539,499	\$70,649,183	\$246,188,172	\$475,908,757	\$85,823,766	\$133,749,300	\$115,356,586	\$18,710,795	\$24,027,558	\$11,356,166	\$5,936,015	\$2,662,471	\$2,583,443
		Direct Allocation	\$11,023,762	\$0	\$0	\$0	\$0	\$32,342	\$138,123	\$88,287	\$694,449	\$0	\$1,117,571	\$0	\$3,845,332
		Allocated Net Income (NI)	\$269,274,471	\$12,247,532	\$48,466,982	\$105,568,278	\$17,791,276	\$29,836,230	\$31,234,901	\$4,162,800	\$6,456,423	\$2,351,538	\$1,098,696	\$449,341	\$2,398,441
		Revenue Requirement (includes NI)	\$1,514,937,732	\$82,896,715	\$294,655,153	\$581,477,035	\$103,615,042	\$163,937,872	\$148,909,611	\$22,961,882	\$31,178,430	\$13,707,704	\$8,152,282	\$3,111,812	\$53,693,386
		Revenue Requirement Input equals Output													
		Rate Base Calculation													
		Net Assets													
dp		Distribution Plant - Gross	\$9,840,679,885	\$458,748,000	\$1,801,032,191	\$3,882,136,384	\$662,874,380	\$1,063,920,007	\$1,101,223,828	\$147,607,883	\$227,721,504	\$84,366,078	\$39,286,583	\$16,084,781	\$8,660,243
go		General Plant - Gross	\$1,196,095,286	\$49,766,406	\$197,454,154	\$429,715,753	\$73,215,812	\$119,567,621	\$126,594,542	\$16,579,216	\$26,024,083	\$9,531,575	\$17,959,781	\$1,831,559	\$980,128
accu		Accumulated Depreciation	(\$3,863,234,905)	(\$187,102,050)	(\$723,244,471)	(\$1,536,557,288)	(\$263,231,719)	(\$411,269,702)	(\$413,711,026)	(\$57,117,016)	(\$85,671,128)	(\$32,338,798)	(\$21,292,248)	(\$6,087,358)	(\$3,801,552)
co		Capital Contribution	(\$682,409,394)	(\$31,445,200)	(\$127,527,074)	(\$275,558,008)	(\$51,223,744)	(\$66,581,057)	(\$71,398,798)	(\$8,661,392)	(\$15,310,143)	(\$5,895,585)	(\$3,344,418)	(\$1,187,988)	(\$715,957)
		Total Net Plant	\$6,381,118,871	\$289,967,156	\$1,147,714,799	\$2,499,726,841	\$421,634,729	\$705,636,869	\$739,068,545	\$98,404,690	\$152,764,316	\$55,663,328	\$32,618,697	\$10,640,986	\$5,032,862
		Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		COP													
		Cost of Power (COP)	\$2,623,371,819	\$220,990,072	\$560,543,164	\$539,948,337	\$49,832,543	\$245,030,157	\$270,745,982	\$67,634,397	\$119,618,759	\$13,950,534	\$2,461,859	\$2,706,992	\$2,566,522
		OM&A Expenses	\$599,157,829	\$39,793,664	\$129,898,353	\$231,112,490	\$43,817,183	\$63,029,684	\$42,185,947	\$8,421,711	\$8,687,788	\$6,060,540	\$3,143,331	\$1,677,726	\$19,466,390
		Directly Allocated Expenses	\$11,023,762	\$0	\$0	\$0	\$0	\$352,342	\$2,318,123	\$88,287	\$694,449	\$0	\$1,117,571	\$0	\$3,845,332
		Subtotal	\$3,233,553,410	\$260,783,736	\$690,441,517	\$771,060,826	\$93,649,726	\$308,412,183	\$315,250,053	\$76,144,395	\$129,000,997	\$20,011,074	\$6,722,761	\$4,384,718	\$8,274,875
		Working Capital	\$255,586,596	\$20,612,874	\$54,573,893	\$60,946,206	\$7,402,264	\$24,377,522	\$24,918,001	\$6,018,607	\$10,196,499	\$1,581,716	\$531,381	\$346,577	\$654,063
		Total Rate Base	\$6,636,705,467	\$310,580,030	\$1,202,288,692	\$2,560,673,047	\$429,036,992	\$730,014,391	\$763,986,547	\$104,423,297	\$162,960,815	\$57,245,044	\$33,150,078	\$10,987,563	\$5,686,925
		Rate Base Input Does Not Equal Output													
		Equity Component of Rate Base	\$2,654,682,187	\$124,232,012	\$480,915,477	\$1,024,269,219	\$171,614,797	\$292,005,756	\$305,594,619	\$41,769,319	\$65,184,326	\$22,898,018	\$13,260,931	\$4,395,025	\$2,274,770
		Net Income on Allocated Assets	\$269,274,471	\$27,022,166	\$95,135,999	\$68,239,931	\$11,742,498	\$34,163,291	\$20,262,803	\$2,952,818	\$4,212,278	\$1,412,735	(\$115,364)	\$1,109,346	(\$2,736,962)
		Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Net Income	\$269,274,471	\$27,022,166	\$95,135,999	\$68,239,931	\$11,742,498	\$34,163,291	\$20,262,803	\$2,952,818	\$4,212,278	\$1,412,735	(\$115,364)	\$1,109,346	(\$2,736,962)
		RATIOS ANALYSIS													
		REVENUE TO EXPENSES STATUS QUO%	100.00%	1.18	1.16	0.94	0.94	1.03	0.93	0.95	0.93	0.93	0.85	1.21	0.56
		EXISTING REVENUE MINUS ALLOCATED COSTS	(\$97,019,048)	\$8,606,190	\$24,909,828	(\$72,274,129)	(\$12,303,587)	(\$6,505,957)	(\$19,936,702)	(\$2,606,604)	(\$4,132,230)	(\$1,762,861)	(\$1,462,540)	\$417,206	(\$3,185,082)
		Deficiency Input equals Output													
		STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$14,774,634	\$46,669,017	(\$37,328,347)	(\$6,048,778)	\$4,327,062	(\$10,972,096)	(\$1,209,983)	(\$2,244,145)	(\$938,804)	(\$1,214,060)	\$660,005	(\$2,948,994)
		RETURN ON EQUITY COMPONENT OF RATE BASE	9.99%	21.75%	19.78%	6.66%	6.84%	11.70%	6.63%	7.07%	6.46%	6.17%	-2.74%	19.72%	2.46%

Total Gross Plant including USOs at 1600s, 1700s and 2040	\$11,265,881,075
Total Accumulated Depreciation including USOs at 1600s, 1700s and 2040	(\$4,079,326,581)
Total Capital Contributions	(\$682,444,259)
Total Net Plant	\$6,503,310,234
Working Capital	\$255,586,596
Total Rate Base	\$6,758,896,830
Rate Base from Q TR Data Sheet	\$6,758,896,830
Rate Base Input Equals Output	



2016 Cost Allocation Model

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

Output sheet showing minimum and maximum level for
Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System
with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
\$7.77	\$7.53	\$8.28	\$7.39	\$16.24	\$56.66	\$19.27	\$64.68	\$2.97	\$1.76	\$6.98	\$87.43	\$318.75
\$9.73	\$9.53	\$10.58	\$9.12	\$20.20	\$72.07	\$23.53	\$79.88	\$3.91	\$2.36	\$9.07	\$139.37	\$416.75
\$20.60	\$28.76	\$53.24	\$54.58	\$29.08	\$78.85	\$21.22	\$83.68	\$24.84	\$20.70	\$41.41	\$158.69	\$635.06
\$20.29	\$27.92	\$68.49	\$26.78	\$28.96	\$82.14	\$22.48	\$84.40	\$4.01	\$2.42	\$39.14	\$166.48	\$860.77

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2017

1
2
3



2017 Cost Allocation Model

EB-2013-0416

Sheet 16.1 Revenue Worksheet -

Total kWhs from Load Forecast	34,583,649,874
-------------------------------	----------------

Total kWhs from Load Forecast	40,553,341
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Deficiency/sufficiency (RRWF 8. cell F51)	51,287,589
--	------------

Miscellaneous Revenue (RRWF 5. cell F48)	49,663,833
--	------------

	ID	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
Billing Data															
Forecast kWh	CEN	34,583,649,874	1,986,454,088	5,058,238,248	4,807,632,541	441,085,688	2,170,573,551	2,420,634,341	601,032,601	1,063,813,632	125,938,798	22,224,494	24,436,176	24,086,305	15,837,499,412
Forecast kW	CDEM	40,553,341	-	-	-	-	-	8,247,045	-	2,941,614	-	-	-	238,095	29,126,587
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,881,265	-	-	-	-	-	1,237,982	-	442,861	-	-	-	200,423	-
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	23,453,149,264	1,986,454,088	5,058,238,248	4,807,632,541	441,085,688	2,170,573,551	2,420,634,341	601,032,601	1,063,813,632	125,938,798	22,224,494	24,436,176	24,086,305	4,706,998,802
Existing Monthly Charge			\$20.84	\$29.20	\$73.75	\$28.63	\$30.71	\$88.72	\$23.88	\$91.46	\$4.37	\$2.83	\$39.13	\$207.03	\$907.64
Existing Distribution kWh Rate			\$0.0184	\$0.0330	\$0.0485	\$0.1015	\$0.0588		\$0.0263		\$0.0992	\$0.1380	\$0.0309		
Existing Distribution kW Rate								\$15.9486		\$9.1105				\$4.8322	\$1.4004
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,470,008,469	\$90,154,017	\$324,803,220	\$535,040,689	\$94,593,279	\$162,369,639	\$138,229,738	\$20,932,739	\$28,902,951	\$12,754,428	\$4,076,621	\$3,452,678	\$4,941,658	\$49,756,811
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,470,008,469	\$90,154,017	\$324,803,220	\$535,040,689	\$94,593,279	\$162,369,639	\$138,229,738	\$20,932,739	\$28,902,951	\$12,754,428	\$4,076,621	\$3,452,678	\$4,941,658	\$49,756,811



2017 Cost Allocation Model

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Sheet 16.2 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	14,610,349	2,572,133	5,406,896	4,093,159	580,080	1,131,225	75,529	214,639	22,998	59,794	356,764	68,939	18,312	9,880
Number of Devices															
Number of Connections (Unmetered)	CCON	41,352	-	-	-	-	-	-	-	-	20,742	14,865	5,745	-	-
Total Number of Customers	CCA	1,315,103	214,344	450,575	341,097	145,020	94,269	6,294	17,887	1,916	20,742	14,865	5,745	1,526	823
Bulk Customer Base	CCB	1,315,103	214,344	450,575	341,097	145,020	94,269	6,294	17,887	1,916	20,742	14,865	5,745	1,526	823
Primary Customer Base	CCP	1,313,524	214,344	450,575	341,097	145,020	94,269	6,294	17,887	1,916	20,742	14,865	5,745	695	76
Line Transformer Customer Base	CCLT	1,313,449	214,344	450,575	341,097	145,020	94,269	6,294	17,887	1,916	20,742	14,865	5,745	695	-
Secondary Customer Base	CCS	1,304,543	214,344	450,575	341,097	145,020	94,269	-	17,887	-	20,742	14,865	5,745	-	-
Weighted - Services	CWCS	1,101,768	107,172	337,931	511,645	145,020	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	275,498,540	32,151,668	67,586,198	59,691,909	25,378,505	33,936,745	9,126,389	8,496,131	2,778,902	-	-	-	2,594,200	33,757,892
Weighted Meter Reading	CWMR	231,614	4,822	21,432	101,265	32,865	39,465	22,605	3,244	5,916	-	-	-	-	-
Weighted Bills	CWNB	16,721,170	2,572,133	5,406,896	4,093,159	580,080	2,262,450	528,701	429,278	160,985	119,588	7,135	137,879	274,680	148,205

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



2017 Cost Allocation Model

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Sheet 18 Demand Data Worksheet -

This is an input sheet for demand allocators.

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

Customer Classes		Total	1 UR	2 R1	3 R2	4 Seasonal	5 GSe	6 GSd	7 UGe	8 UGd	9 St Lgt	10 Sen Lgt	11 USL	12 Dgen	13 ST
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,404,827	409,678	1,141,184	1,146,453	129,284	323,721	375,984	99,114	140,053	33,654	5,939	3,066	3,711	2,592,984
Bulk Delivery CP	BCP1	6,199,875	396,501	1,105,124	1,111,177	125,303	313,678	363,936	95,956	135,518	32,606	5,754	2,970	3,590	2,507,761
Total Sytem CP	DCP1	6,404,827	409,678	1,141,184	1,146,453	129,284	323,721	375,984	99,114	140,053	33,654	5,939	3,066	3,711	2,592,984
4 CP															
Transformation CP	TCP4	24,031,625	1,635,937	4,290,827	4,186,835	418,806	1,354,048	1,360,394	372,783	554,738	90,822	16,027	12,279	12,753	9,725,375
Bulk Delivery CP	BCP4	23,262,485	1,583,315	4,155,243	4,058,010	405,908	1,312,043	1,316,800	360,905	536,775	87,994	15,528	11,897	12,335	9,405,733
Total Sytem CP	DCP4	24,031,625	1,635,937	4,290,827	4,186,835	418,806	1,354,048	1,360,394	372,783	554,738	90,822	16,027	12,279	12,753	9,725,375
12 CP															
Transformation CP	TCP12	65,932,134	4,499,895	11,367,661	10,973,109	974,685	3,882,827	3,919,441	1,058,706	1,669,149	201,793	35,611	36,632	34,340	27,278,286
Bulk Delivery CP	BCP12	63,820,492	4,355,149	11,008,460	10,635,475	944,667	3,762,374	3,793,841	1,024,970	1,615,101	195,510	34,502	35,492	33,213	26,381,737
Total Sytem CP	DCP12	65,932,134	4,499,895	11,367,661	10,973,109	974,685	3,882,827	3,919,441	1,058,706	1,669,149	201,793	35,611	36,632	34,340	27,278,286
NON CO_INCIDENT PEAK															
1 NCP															
Classification NCP from Load Data Provider	DNCP1	6,923,820	448,172	1,194,252	1,196,068	154,057	436,404	435,177	124,809	201,589	51,075	9,013	3,096	4,277	2,665,832
Primary NCP	PNCP1	4,102,089	429,323	1,134,578	1,123,490	144,765	411,373	410,158	119,035	191,989	48,222	8,510	2,923	413	77,309
Line Transformer NCP	LTNCP1	3,933,958	429,323	1,134,578	1,123,490	144,765	411,373	348,588	119,035	163,085	48,222	8,510	2,923	65	-
Secondary NCP	SNCP1	3,328,873	424,004	1,109,899	1,082,415	139,544	398,179	-	116,972	-	46,772	8,254	2,835	-	-
4 NCP															
Classification NCP from Load Data Provider	DNCP4	26,442,393	1,736,525	4,489,654	4,459,279	554,275	1,664,825	1,725,834	476,826	757,662	195,448	34,491	12,337	16,765	10,318,472
Primary NCP	PNCP4	15,540,237	1,663,491	4,265,319	4,188,689	520,845	1,569,337	1,626,611	454,767	721,583	184,530	32,564	11,648	1,617	299,236
Line Transformer NCP	LTNCP4	14,886,831	1,663,491	4,265,319	4,188,689	520,845	1,569,337	1,382,437	454,767	612,948	184,530	32,564	11,648	256	-
Secondary NCP	SNCP4	12,540,780	1,642,881	4,172,541	4,035,547	502,061	1,519,001	-	446,885	-	178,982	31,585	11,298	-	-
12 NCP															
Classification NCP from Load Data Provider	DNCP12	71,158,076	4,806,177	11,770,879	11,285,819	1,236,561	4,603,026	4,906,147	1,314,194	2,105,948	462,129	81,552	36,771	47,382	28,501,492
Primary NCP	PNCP12	41,151,033	4,604,042	11,182,721	10,600,992	1,161,980	4,339,015	4,624,078	1,253,396	2,005,664	436,314	76,997	34,717	4,570	826,545
Line Transformer NCP	LTNCP12	39,324,556	4,604,042	11,182,721	10,600,992	1,161,980	4,339,015	3,929,948	1,253,396	1,703,711	436,314	76,997	34,717	723	-
Secondary NCP	SNCP12	32,783,024	4,546,998	10,939,479	10,213,411	1,120,073	4,199,841	-	1,231,672	-	423,195	74,681	33,673	-	-



2017 Cost Allocation Model

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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		1	2	3	4	5	6	7	8	9	10	11	12	13
Assets	Total	UR	R1	R2	Seasonal	GSe	Gsd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
crev	Distribution Revenue at Existing Rates	\$1,470,008,469	\$90,154,017	\$324,803,220	\$535,040,689	\$94,593,279	\$162,369,639	\$138,229,738	\$20,932,730	\$28,902,951	\$12,754,428	\$4,076,621	\$3,452,678	\$4,941,658
mi	Miscellaneous Revenue (mi)	\$49,663,833	\$4,552,227	\$12,802,233	\$16,325,389	\$3,087,942	\$4,636,635	\$2,529,295	\$657,060	\$408,341	\$320,681	\$3,140,813	\$103,192	\$143,599
	Miscellaneous Revenue Input equals Output													
	Total Revenue at Existing Rates	\$1,519,672,302	\$94,706,244	\$337,605,453	\$551,366,078	\$97,681,221	\$167,006,274	\$140,759,033	\$21,589,799	\$29,311,291	\$13,075,109	\$7,217,434	\$3,555,871	\$5,085,257
	Factor required to recover deficiency (1 + D)	1.0349												
	Distribution Revenue at Status Quo Rates	\$1,521,296,058	\$93,299,429	\$336,139,382	\$553,707,893	\$97,893,574	\$168,034,605	\$143,052,479	\$21,663,068	\$29,911,355	\$13,199,421	\$4,218,852	\$3,573,140	\$5,114,069
	Miscellaneous Revenue (mi)	\$49,663,833	\$4,552,227	\$12,802,233	\$16,325,389	\$3,087,942	\$4,636,635	\$2,529,295	\$657,060	\$408,341	\$320,681	\$3,140,813	\$103,192	\$143,599
	Total Revenue at Status Quo Rates	\$1,570,959,891	\$97,851,656	\$348,937,615	\$570,033,281	\$100,981,516	\$172,671,240	\$145,581,774	\$22,320,128	\$30,319,695	\$13,520,102	\$7,359,665	\$3,676,332	\$5,257,668
	Expenses													
di	Distribution Costs (di)	\$344,026,379	\$14,714,039	\$65,330,460	\$146,601,743	\$25,754,473	\$35,530,016	\$28,462,174	\$4,035,166	\$5,682,107	\$3,915,066	\$1,930,565	\$780,545	\$127,235
cu	Customer Related Costs (cu)	\$115,940,702	\$16,127,880	\$35,362,263	\$30,371,698	\$7,853,141	\$12,947,788	\$3,776,506	\$2,445,515	\$906,029	\$813,926	\$463,936	\$526,802	\$986,536
ad	General and Administration (ad)	\$142,696,532	\$9,252,798	\$30,550,766	\$54,262,896	\$10,230,517	\$14,962,235	\$10,719,371	\$2,014,578	\$2,226,326	\$1,436,639	\$723,405	\$390,159	\$1,046,020
dep	Depreciation and Amortization (dep)	\$390,499,230	\$16,622,727	\$72,340,491	\$146,949,752	\$25,537,179	\$43,695,246	\$46,209,096	\$6,569,237	\$9,724,096	\$3,205,338	\$1,776,955	\$576,769	\$591,753
INPUT	PILs (INPUT)	\$62,241,693	\$2,796,635	\$11,205,670	\$24,133,174	\$4,049,503	\$6,824,839	\$971,872	\$1,537,516	\$553,803	\$251,632	\$104,297	\$51,378	\$2,189,261
INT	Interest	\$215,822,002	\$9,697,284	\$38,855,469	\$53,681,366	\$14,041,582	\$24,011,761	\$25,909,421	\$3,389,951	\$5,331,311	\$1,920,304	\$872,539	\$361,640	\$719,151
	Total Expenses	\$1,271,226,539	\$72,211,363	\$253,604,118	\$486,006,628	\$87,466,395	\$138,071,985	\$122,545,680	\$19,410,319	\$25,409,385	\$11,845,077	\$6,019,021	\$2,740,221	\$2,981,072
	Direct Allocation	\$11,305,605	\$0	\$0	\$0	\$0	\$337,826	\$2,246,240	\$84,592	\$665,848	\$0	\$1,139,923	\$0	\$4,320,182
	Allocated Net Income (NI)	\$288,427,748	\$12,959,595	\$51,927,029	\$111,833,027	\$18,765,381	\$32,089,677	\$34,625,737	\$4,503,653	\$7,124,843	\$2,566,323	\$1,166,060	\$483,313	\$238,084
	Revenue Requirement (includes NI)	\$1,570,959,891	\$85,170,959	\$305,531,147	\$597,833,655	\$106,231,775	\$170,499,387	\$159,420,657	\$23,998,564	\$33,200,076	\$14,411,400	\$8,325,004	\$3,223,534	\$7,539,338
	Revenue Requirement Input equals Output													
	Rate Base Calculation													
	Net Assets													
dp	Distribution Plant - Gross	\$10,331,900,463	\$480,668,189	\$1,896,902,197	\$4,025,842,085	\$688,881,754	\$1,122,326,491	\$1,191,961,099	\$157,349,772	\$245,484,349	\$89,765,748	\$40,729,245	\$16,895,692	\$10,111,300
go	General Plant - Gross	\$1,219,333,989	\$54,344,311	\$216,073,342	\$468,971,970	\$79,616,253	\$132,573,596	\$143,805,574	\$18,506,340	\$29,577,344	\$10,709,176	\$18,375,169	\$2,022,604	\$1,037,903
accu	Accumulated Depreciation	(\$4,128,128,208)	(\$200,797,767)	(\$773,835,638)	(\$1,610,660,428)	(\$278,851,823)	(\$439,579,306)	(\$451,369,747)	(\$62,032,707)	(\$93,162,539)	(\$34,614,039)	(\$22,345,783)	(\$5,448,496)	(\$1,037,903)
co	Capital Contribution	(\$682,409,394)	(\$31,545,706)	(\$128,245,586)	(\$272,306,411)	(\$50,965,835)	(\$66,773,210)	(\$76,349,662)	(\$8,814,085)	(\$15,635,419)	(\$5,948,578)	(\$3,303,728)	(\$1,187,256)	(\$804,744)
	Total Net Plant	\$6,740,795,850	\$302,669,027	\$1,212,893,314	\$2,611,847,215	\$438,682,347	\$748,547,361	\$805,047,265	\$105,011,259	\$166,263,735	\$59,912,307	\$33,450,843	\$11,288,554	\$5,578,310
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	COP													
	Cost of Power (COP)	\$2,614,411,280	\$221,437,553	\$563,860,955	\$535,924,068	\$40,169,400	\$241,962,046	\$269,837,268	\$66,999,378	\$118,587,330	\$14,038,874	\$2,477,448	\$2,723,993	\$2,684,992
	OM&A Expenses	\$602,663,614	\$40,094,717	\$131,202,498	\$231,236,337	\$43,838,130	\$63,440,039	\$42,958,051	\$8,409,259	\$8,166,462	\$6,165,631	\$3,117,906	\$1,697,506	\$2,159,791
	Directly Allocated Expenses	\$11,305,605	\$0	\$0	\$0	\$0	\$337,826	\$2,246,240	\$84,592	\$665,848	\$0	\$1,139,923	\$0	\$4,320,182
	Subtotal	\$3,228,380,499	\$261,532,270	\$695,063,443	\$767,161,325	\$93,007,620	\$305,739,910	\$315,041,558	\$75,583,228	\$128,069,640	\$20,204,506	\$6,735,277	\$4,421,499	\$9,164,964
	Working Capital	\$257,596,664	\$20,867,999	\$55,460,913	\$61,212,796	\$7,421,199	\$24,395,384	\$25,137,574	\$6,030,884	\$10,218,843	\$1,612,144	\$537,416	\$352,797	\$731,284
	Total Rate Base	\$6,998,392,514	\$323,537,026	\$1,268,353,327	\$2,673,060,011	\$446,103,546	\$772,942,945	\$833,184,839	\$111,042,143	\$176,482,577	\$61,524,451	\$33,988,299	\$11,641,351	\$6,309,594
	Rate Base Input Does Not Equal Output													
	Equity Component of Rate Base	\$2,799,357,006	\$129,414,810	\$507,341,331	\$1,069,224,004	\$178,441,418	\$309,177,178	\$333,273,936	\$44,416,857	\$70,593,031	\$24,609,780	\$13,595,304	\$4,656,540	\$2,523,838
	Net Income on Allocated Assets	\$288,427,748	\$25,640,293	\$95,333,496	\$84,032,653	\$13,515,121	\$34,261,529	\$20,786,855	\$2,825,217	\$4,244,462	\$1,675,026	\$200,721	\$936,111	(\$2,043,586)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$288,427,748	\$25,640,293	\$95,333,496	\$84,032,653	\$13,515,121	\$34,261,529	\$20,786,855	\$2,825,217	\$4,244,462	\$1,675,026	\$200,721	\$936,111	(\$2,043,586)
	RATIOS ANALYSIS													
	REVENUE TO EXPENSES STATUS QUO%	100.00%	1.15	1.14	0.95	0.95	1.01	0.91	0.93	0.91	0.94	0.88	1.14	0.70
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$51,287,589)	\$9,535,286	\$32,074,305	(\$46,467,578)	(\$8,550,554)	(\$3,493,113)	(\$18,661,623)	(\$2,408,765)	(\$3,888,785)	(\$1,336,291)	(\$1,107,570)	\$332,336	(\$2,454,081)
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$12,680,697	\$43,406,467	(\$27,800,374)	(\$5,250,259)	\$2,171,852	(\$1,838,882)	(\$1,678,436)	(\$2,880,381)	(\$891,297)	(\$965,339)	\$452,798	(\$3,125,176)
	RETURN ON EQUITY COMPONENT OF RATE BASE	10.23%	19.81%	18.79%	7.86%	7.57%	11.08%	6.24%	6.36%	6.01%	6.81%	0.43%	17.52%	-87.80%

Total Gross Plant including USOs 1600s, 1700s and 2040	\$11,865,744,912
Total Accumulated Depreciation including USOs 1600s, 1700s and 2040	(\$4,343,758,396)
Total Capital Contributions	(\$682,444,259)
Total Net Plant	\$6,839,542,256
Working Capital	\$257,596,664
Total Rate Base	\$7,097,138,921
Rate Base from Q 1B Data Sheet	\$7,097,138,921
Rate Base Input Equals Output	



2017 Cost Allocation Model

EE-2013-0416

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

Output sheet showing minimum and maximum level for
Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System
with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
\$7.66	\$7.41	\$8.12	\$7.23	\$15.96	\$55.04	\$18.89	\$63.39	\$3.00	\$1.77	\$7.08	\$86.38	\$308.99
\$9.61	\$9.39	\$10.40	\$8.93	\$19.86	\$70.19	\$23.09	\$78.34	\$3.95	\$2.37	\$9.19	\$136.86	\$403.93
\$20.54	\$28.79	\$54.14	\$55.71	\$27.91	\$72.64	\$19.26	\$80.57	\$25.17	\$21.81	\$42.52	\$156.33	\$616.18
\$20.84	\$29.20	\$73.75	\$28.63	\$30.71	\$88.72	\$23.88	\$91.46	\$4.37	\$2.83	\$39.13	\$207.03	\$907.64

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2018

1
2
3



2018 Cost Allocation Model

EB-2013-0416

Sheet 16.1 Revenue Worksheet -

Total kWhs from Load Forecast	34,332,069,720
-------------------------------	----------------

Total kWhs from Load Forecast	40,251,672
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Deficiency/sufficiency (RRWF 8. cell F51)	46,885,598
--	------------

Miscellaneous Revenue (RRWF 5. cell F48)	48,588,711
--	------------

			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	34,332,069,720	1,982,491,032	5,067,106,168	4,751,412,321	433,218,475	2,134,248,216	2,402,282,927	593,019,449	1,050,492,744	126,198,829	22,270,382	24,485,394	24,994,986	15,719,848,798
Forecast kW	CDEM	40,251,672	-	-	-	-	-	8,184,523	-	2,904,780	-	-	-	247,078	28,915,291
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,873,895	-	-	-	-	-	1,228,596	-	437,315	-	-	-	207,984	-
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	23,280,817,065	1,982,491,032	5,067,106,168	4,751,412,321	433,218,475	2,134,248,216	2,402,282,927	593,019,449	1,050,492,744	126,198,829	22,270,382	24,485,394	24,994,986	4,668,596,143
Existing Monthly Charge			\$20.51	\$28.95	\$76.45	\$29.72	\$31.42	\$95.25	\$25.32	\$98.68	\$4.63	\$3.19	\$39.00	\$239.01	\$919.82
Existing Distribution kWh Rate			\$0.0183	\$0.0329	\$0.0510	\$0.1071	\$0.0610		\$0.0282		\$0.1052	\$0.1531	\$0.0308		
Existing Distribution kW Rate								\$17.3885		\$9.9305				\$6.2910	\$1.4867
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,519,856,787	\$89,587,914	\$325,284,048	\$557,741,696	\$98,310,134	\$165,841,736	\$149,608,609	\$22,171,489	\$31,122,686	\$13,555,538	\$4,541,726	\$3,459,233	\$6,487,533	\$52,144,444
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,519,856,787	\$89,587,914	\$325,284,048	\$557,741,696	\$98,310,134	\$165,841,736	\$149,608,609	\$22,171,489	\$31,122,686	\$13,555,538	\$4,541,726	\$3,459,233	\$6,487,533	\$52,144,444



2018 Cost Allocation Model

EB-2013-0416

Sheet 16.2 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	14,749,521	2,599,138	5,477,591	4,125,830	582,239	1,134,710	76,557	215,179	23,072	60,350	354,900	69,361	20,640	9,954
Number of Devices															
Number of Connections (Unmetered)	CCON	41,502	-	-	-	-	-	-	-	-	20,935	14,787	5,780	-	-
Total Number of Customers	CCA	1,327,285	216,595	456,466	343,819	145,560	94,559	6,380	17,932	1,923	20,935	14,787	5,780	1,720	829
Bulk Customer Base	CCB	1,327,285	216,595	456,466	343,819	145,560	94,559	6,380	17,932	1,923	20,935	14,787	5,780	1,720	829
Primary Customer Base	CCP	1,325,595	216,595	456,466	343,819	145,560	94,559	6,380	17,932	1,923	20,935	14,787	5,780	784	76
Line Transformer Customer Base	CCLT	1,325,519	216,595	456,466	343,819	145,560	94,559	6,380	17,932	1,923	20,935	14,787	5,780	784	-
Secondary Customer Base	CCS	1,316,433	216,595	456,466	343,819	145,560	94,559	-	17,932	-	20,935	14,787	5,780	-	-
Weighted - Services	CWCS	1,111,935	108,297	342,349	515,729	145,560	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	278,129,543	32,489,230	68,469,886	60,168,347	25,472,959	34,041,306	9,250,599	8,517,514	2,787,898	-	-	-	2,924,000	34,007,803
Weighted Meter Reading	CWMR	231,614	4,822	21,432	101,265	32,865	39,465	22,605	3,244	5,916	-	-	-	-	-
Weighted Bills	CWNB	16,907,403	2,599,138	5,477,591	4,125,830	582,239	2,269,420	535,897	430,359	161,506	120,700	7,098	138,722	309,600	149,303

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



2018 Cost Allocation Model

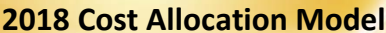
EB-2013-0416

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 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
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,361,126	408,834	1,143,112	1,132,756	126,791	318,401	373,276	97,861	138,314	33,724	5,951	3,072	3,858	2,575,177
Bulk Delivery CP	BCP1	6,157,565	395,683	1,106,992	1,097,902	122,886	308,524	361,315	94,743	133,836	32,674	5,766	2,976	3,731	2,490,539
Total Sytem CP	DCP1	6,361,126	408,834	1,143,112	1,132,756	126,791	318,401	373,276	97,861	138,314	33,724	5,951	3,072	3,858	2,575,177
4 CP															
Transformation CP	TCP4	23,952,559	1,636,964	4,269,703	4,093,409	382,967	1,347,488	1,375,047	375,708	560,488	93,871	16,566	12,274	13,726	9,774,350
Bulk Delivery CP	BCP4	23,185,734	1,584,308	4,134,787	3,967,458	371,172	1,305,686	1,330,983	363,736	542,339	90,949	16,050	11,892	13,276	9,453,098
Total Sytem CP	DCP4	23,952,559	1,636,964	4,269,703	4,093,409	382,967	1,347,488	1,375,047	375,708	560,488	93,871	16,566	12,274	13,726	9,774,350
12 CP															
Transformation CP	TCP12	65,565,339	4,495,018	11,358,495	10,798,605	928,124	3,834,705	3,915,665	1,052,956	1,661,062	204,667	36,118	36,673	36,163	27,207,089
Bulk Delivery CP	BCP12	63,465,179	4,350,429	10,999,583	10,466,340	899,540	3,715,745	3,790,187	1,019,404	1,607,275	198,295	34,993	35,531	34,977	26,312,880
Total Sytem CP	DCP12	65,565,339	4,495,018	11,358,495	10,798,605	928,124	3,834,705	3,915,665	1,052,956	1,661,062	204,667	36,118	36,673	36,163	27,207,089
NON CO_INCIDENT PEAK															
1 NCP															
Classification NCP from Load Data Provider	DNCP1	6,875,352	447,248	1,196,270	1,181,778	151,085	429,271	432,043	123,230	199,086	51,180	9,032	3,101	4,445	2,647,582
Primary NCP	PNCP1	4,072,948	428,438	1,136,495	1,110,068	141,973	404,650	407,204	117,529	189,605	48,321	8,527	2,927	429	76,780
Line Transformer NCP	LTNCP1	3,906,135	428,438	1,136,495	1,110,068	141,973	404,650	346,078	117,529	161,060	48,321	8,527	2,927	68	-
Secondary NCP	SNCP1	3,306,382	423,130	1,111,775	1,069,483	136,853	391,671	-	115,492	-	46,868	8,271	2,839	-	-
4 NCP															
Classification NCP from Load Data Provider	DNCP4	26,244,733	1,732,945	4,487,459	4,406,003	543,585	1,634,248	1,713,406	470,797	748,254	195,852	34,562	12,351	17,425	10,247,848
Primary NCP	PNCP4	15,417,863	1,660,062	4,263,233	4,138,645	510,799	1,540,514	1,614,897	449,016	712,623	184,911	32,631	11,661	1,681	297,188
Line Transformer NCP	LTNCP4	14,769,559	1,660,062	4,263,233	4,138,645	510,799	1,540,514	1,372,481	449,016	605,337	184,911	32,631	11,661	266	-
Secondary NCP	SNCP4	12,444,354	1,639,494	4,170,501	3,987,333	492,377	1,491,102	-	441,234	-	179,351	31,650	11,311	-	-
12 NCP															
Classification NCP from Load Data Provider	DNCP12	70,658,078	4,798,637	11,780,986	11,150,983	1,215,983	4,525,334	4,872,810	1,297,575	2,079,799	463,083	81,721	36,839	49,247	28,305,080
Primary NCP	PNCP12	40,857,620	4,596,819	11,192,323	10,474,338	1,142,643	4,265,779	4,592,658	1,237,546	1,980,761	437,215	77,156	34,781	4,750	820,850
Line Transformer NCP	LTNCP12	39,045,154	4,596,819	11,192,323	10,474,338	1,142,643	4,265,779	3,903,244	1,237,546	1,682,557	437,215	77,156	34,781	752	-
Secondary NCP	SNCP12	32,559,249	4,539,865	10,948,872	10,091,388	1,101,434	4,128,954	-	1,216,097	-	424,069	74,836	33,735	-	-

**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

Total Gross Plant including USoA6000s, 17000s and 2040	\$12,543,661.790
Total Accumulated Depreciation including USoA6000s, 17000s and 2040	(\$4,605,727.802)
Total Capital Contributions	(\$682,444.259)
Total Net Plant	\$7,255,489.729
Working Capital	\$256,919.299
Total Rate Base	\$7,512,409.028
Rate Base from I3 TB Data Sheet	\$7,512,409.028
Rate Base Input Equals Output	



2018 Cost Allocation Model



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

Output sheet showing minimum and maximum level for
Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System
with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
\$7.68	\$7.45	\$8.18	\$7.20	\$15.95	\$55.37	\$18.79	\$63.06	\$3.03	\$1.78	\$7.15	\$85.97	\$311.26
\$9.63	\$9.44	\$10.47	\$8.88	\$19.86	\$70.52	\$22.96	\$78.01	\$4.00	\$2.40	\$9.33	\$136.43	\$407.85
\$20.56	\$28.83	\$54.66	\$56.31	\$27.00	\$68.63	\$17.23	\$78.63	\$25.11	\$22.42	\$43.09	\$155.91	\$620.53
\$20.51	\$28.95	\$76.45	\$29.72	\$31.42	\$95.25	\$25.32	\$98.68	\$4.63	\$3.19	\$39.00	\$239.01	\$919.82

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2019

1
2
3



2019 Cost Allocation Model

EB-2013-0416

Sheet 16.1 Revenue Worksheet -

Total kWhs from Load Forecast	34,242,485,635
Total kWhs from Load Forecast	40,174,260
Deficiency/sufficiency (RRWF 8. cell F51)	47,653,700
Miscellaneous Revenue (RRWF 5. cell F48)	49,016,278

			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	34,242,485,635	1,988,172,849	5,100,546,964	4,718,746,601	427,515,557	2,108,636,356	2,395,736,009	587,964,055	1,042,404,755	127,065,835	22,423,383	24,652,392	25,855,564	15,672,765,315
Forecast kW	CDEM	40,174,260	-	-	-	-	-	8,162,219	-	2,882,415	-	-	-	255,585	28,874,041
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,874,341	-	-	-	-	-	1,225,248	-	433,948	-	-	-	215,145	-
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	23,191,232,980	1,988,172,849	5,100,546,964	4,718,746,601	427,515,557	2,108,636,356	2,395,736,009	587,964,055	1,042,404,755	127,065,835	22,423,383	24,652,392	25,855,564	4,621,512,660
Existing Monthly Charge			\$19.93	\$28.26	\$78.99	\$30.57	\$31.87	\$101.62	\$26.66	\$105.72	\$4.83	\$3.53	\$38.00	\$267.75	\$951.56
Existing Distribution kWh Rate			\$0.0180	\$0.0325	\$0.0537	\$0.1125	\$0.0632		\$0.0302		\$0.1104	\$0.1681	\$0.0301		
Existing Distribution kW Rate								\$18.9467		\$10.8088				\$7.6545	\$1.5831
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,569,305,970	\$88,109,901	\$322,505,150	\$581,770,589	\$101,677,409	\$169,531,605	\$162,528,064	\$23,506,661	\$33,602,122	14,322,154	\$5,015,223	\$3,399,547	\$8,089,991	\$55,247,555
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,569,305,970	\$88,109,901	\$322,505,150	\$581,770,589	\$101,677,409	\$169,531,605	\$162,528,064	\$23,506,661	\$33,602,122	\$14,322,154	\$5,015,223	\$3,399,547	\$8,089,991	\$55,247,555



2019 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	14,883,997	2,625,328	5,546,262	4,157,158	584,254	1,137,929	77,553	215,684	23,143	60,887	352,933	69,934	22,908	10,024
Number of Devices															
Number of Connections (Unmetered)	CCON	41,654	-	-	-	-	-	-	-	-	21,121	14,706	5,828	-	-
Total Number of Customers	CCA	1,339,050	218,777	462,189	346,430	146,063	94,827	6,463	17,974	1,929	21,121	14,706	5,828	1,909	835
Bulk Customer Base	CCB	1,339,050	218,777	462,189	346,430	146,063	94,827	6,463	17,974	1,929	21,121	14,706	5,828	1,909	835
Primary Customer Base	CCP	1,337,252	218,777	462,189	346,430	146,063	94,827	6,463	17,974	1,929	21,121	14,706	5,828	870	77
Line Transformer Customer Base	CCLT	1,337,176	218,777	462,189	346,430	146,063	94,827	6,463	17,974	1,929	21,121	14,706	5,828	870	-
Secondary Customer Base	CCS	1,327,915	218,777	462,189	346,430	146,063	94,827	-	17,974	-	21,121	14,706	5,828	-	-
Weighted - Services	CWCS	1,121,738	109,389	346,641	519,645	146,063	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	280,667,035	32,816,602	69,328,279	60,625,218	25,561,100	34,137,860	9,371,008	8,537,508	2,796,439	-	-	-	3,245,300	34,247,720
Weighted Meter Reading	CWMR	231,614	4,822	21,432	101,265	32,865	39,465	22,605	3,244	5,916	-	-	-	-	-
Weighted Bills	CWNB	17,087,779	2,625,328	5,546,262	4,157,158	584,254	2,275,857	542,872	431,369	162,001	121,775	7,059	139,869	343,620	150,356

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



2019 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 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
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,349,050	410,392	1,151,491	1,125,593	125,179	314,674	372,203	97,058	137,206	33,955	5,992	3,077	3,989	2,568,241
Bulk Delivery CP	BCP1	6,145,871	397,191	1,115,106	1,090,959	121,324	304,912	360,275	93,965	132,763	32,898	5,806	2,982	3,858	2,483,831
Total Sytem CP	DCP1	6,349,050	410,392	1,151,491	1,125,593	125,179	314,674	372,203	97,058	137,206	33,955	5,992	3,077	3,989	2,568,241
4 CP															
Transformation CP	TCP4	23,910,873	1,662,491	4,359,537	4,137,396	392,492	1,297,359	1,349,577	360,467	547,276	91,634	16,171	12,332	13,687	9,670,453
Bulk Delivery CP	BCP4	23,145,522	1,609,015	4,221,782	4,010,091	380,405	1,257,113	1,306,330	348,981	529,555	88,781	15,667	11,948	13,238	9,352,617
Total Sytem CP	DCP4	23,910,873	1,662,491	4,359,537	4,137,396	392,492	1,297,359	1,349,577	360,467	547,276	91,634	16,171	12,332	13,687	9,670,453
12 CP															
Transformation CP	TCP12	65,441,532	4,531,437	11,500,289	10,800,193	930,719	3,755,335	3,882,888	1,032,157	1,639,032	203,192	35,857	36,898	36,887	27,056,648
Bulk Delivery CP	BCP12	63,345,447	4,385,677	11,136,897	10,467,879	902,056	3,638,837	3,758,460	999,267	1,585,959	196,865	34,741	35,749	35,677	26,167,384
Total Sytem CP	DCP12	65,441,532	4,531,437	11,500,289	10,800,193	930,719	3,755,335	3,882,888	1,032,157	1,639,032	203,192	35,857	36,898	36,887	27,056,648
NON CO INCIDENT PEAK															
1 NCP															
Classification NCP from															
Load Data Provider	DNCP1	6,861,075	448,953	1,205,038	1,174,306	149,165	424,248	430,801	122,219	197,490	51,532	9,094	3,120	4,597	2,640,514
Primary NCP	PNCP1	4,065,915	430,071	1,144,826	1,103,048	140,168	399,915	406,033	116,565	188,086	48,653	8,586	2,946	443	76,575
Line Transformer NCP	LTNCP1	3,899,700	430,071	1,144,826	1,103,048	140,168	399,915	345,082	116,565	159,770	48,653	8,586	2,946	70	-
Secondary NCP	SNCP1	3,302,506	424,742	1,119,924	1,062,720	135,113	387,088	-	114,545	-	47,190	8,328	2,857	-	-
4 NCP															
Classification NCP from															
Load Data Provider	DNCP4	26,197,447	1,746,539	4,520,352	4,378,142	536,674	1,615,110	1,708,477	466,933	742,259	197,197	34,800	12,440	18,018	10,220,507
Primary NCP	PNCP4	15,398,233	1,673,085	4,294,482	4,112,475	504,306	1,522,474	1,610,252	445,331	706,913	186,182	32,856	11,745	1,738	296,395
Line Transformer NCP	LTNCP4	14,752,230	1,673,085	4,294,482	4,112,475	504,306	1,522,474	1,368,533	445,331	600,487	186,182	32,856	11,745	275	-
Secondary NCP	SNCP4	12,436,759	1,652,355	4,201,070	3,962,120	486,118	1,473,640	-	437,613	-	180,584	31,868	11,392	-	-
12 NCP															
Classification NCP from															
Load Data Provider	DNCP12	70,608,526	4,840,723	11,895,311	11,102,450	1,199,931	4,476,971	4,854,117	1,287,590	2,067,928	466,265	82,282	37,089	50,736	28,247,133
Primary NCP	PNCP12	40,864,074	4,637,136	11,300,935	10,428,750	1,127,559	4,220,191	4,575,039	1,228,023	1,969,456	440,219	77,686	35,018	4,894	819,169
Line Transformer NCP	LTNCP12	39,057,514	4,637,136	11,300,935	10,428,750	1,127,559	4,220,191	3,888,270	1,228,023	1,672,954	440,219	77,686	35,018	774	-
Secondary NCP	SNCP12	32,597,027	4,579,882	11,055,121	10,047,466	1,086,894	4,084,828	-	1,206,739	-	426,982	75,350	33,965	-	-



2019 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		1	2	3	4	5	6	7	8	9	10	11	12	13	
Assets	Total	UR	R1	R2	Seasonal	GSe	Gsd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST	
crev mi	Distribution Revenue at Existing Rates	\$1,569,305,970	\$88,109,901	\$322,505,150	\$581,770,589	\$101,677,409	\$169,531,605	\$162,528,064	\$23,506,661	\$33,602,122	\$14,322,154	\$5,015,223	\$3,399,547	\$8,089,991	\$55,247,555
	Miscellaneous Revenue (mi)	\$49,016,278	\$4,520,949	\$12,691,159	\$16,015,559	\$3,028,674	\$4,553,231	\$2,531,257	\$651,932	\$411,984	\$321,946	\$3,050,055	\$104,467	\$180,300	\$954,764
	Miscellaneous Revenue Input equals Output														
	Total Revenue at Existing Rates	\$1,618,322,248	\$92,630,850	\$335,196,309	\$597,786,147	\$104,706,083	\$174,084,835	\$165,059,321	\$24,158,593	\$34,014,106	\$14,644,100	\$8,065,278	\$3,504,014	\$8,270,291	\$56,202,319
	Factor required to recover deficiency (1 + D)	1.0304													
	Distribution Revenue at Status Quo Rates	\$1,616,959,671	\$90,785,455	\$332,298,373	\$599,436,692	\$104,764,955	\$174,679,618	\$167,463,407	\$24,220,467	\$34,622,488	\$14,757,062	\$5,167,516	\$3,502,778	\$8,335,652	\$56,925,208
	Miscellaneous Revenue (mi)	\$49,016,278	\$4,520,949	\$12,691,159	\$16,015,559	\$3,028,674	\$4,553,231	\$2,531,257	\$651,932	\$411,984	\$321,946	\$3,050,055	\$104,467	\$180,300	\$954,764
	Total Revenue at Status Quo Rates	\$1,665,975,948	\$95,306,404	\$344,989,533	\$615,452,250	\$107,793,630	\$179,232,849	\$169,994,665	\$24,872,399	\$35,034,472	\$15,079,008	\$8,217,571	\$3,607,245	\$8,515,952	\$57,879,971
	Expenses														
	di cu ad dep inp int	\$325,301,273 \$119,593,464 \$143,284,933 \$416,609,629 \$69,388,753 \$256,659,646	\$13,982,899 \$16,671,196 \$9,502,872 \$20,783,730 \$3,049,913 \$11,281,216	\$62,466,067 \$36,611,367 \$31,088,335 \$77,830,384 \$12,549,497 \$46,418,899	\$137,700,217 \$31,142,936 \$53,708,783 \$155,072,228 \$26,660,881 \$98,615,007	\$23,874,253 \$8,027,189 \$10,060,576 \$26,750,607 \$4,384,620 \$19,218,117	\$33,111,940 \$13,267,636 \$14,843,496 \$45,877,138 \$7,595,972 \$39,096,476	\$27,815,502 \$3,973,694 \$10,967,252 \$51,239,564 \$1,080,871 \$32,236,160	\$3,833,071 \$2,508,217 \$2,041,719 \$7,014,060 \$1,774,131 \$3,997,995	\$6,506,915 \$931,664 \$2,267,420 \$10,654,408 \$1,774,131 \$6,562,272	\$3,709,035 \$844,743 \$1,436,412 \$3,488,039 \$633,237 \$1,020,440	\$1,755,443 \$458,400 \$694,015 \$1,845,344 \$275,879 \$1,020,440	\$728,217 \$548,800 \$394,507 \$1,845,344 \$117,335 \$434,008	\$139,866 \$1,270,840 \$1,306,755 \$14,706,305 \$68,216 \$9,221,466	\$10,677,848 \$3,406,582 \$4,952,791 \$14,706,305 \$2,493,052 \$21,534
Total Expenses	\$750,007,098	\$75,271,827	\$266,964,540	\$502,900,952	\$89,315,382	\$142,792,856	\$134,867,320	\$20,475,933	\$27,696,809	\$12,453,725	\$6,049,522	\$2,843,359	\$3,718,343	\$45,455,042	
NI	Direct Allocation	\$11,851,538	\$0	\$0	\$0	\$0	\$30,169	\$2,173,023	\$80,087	\$631,289	\$0	\$1,185,976	\$0	\$5,060,928	\$2,400,066
	Allocated Net Income (NI)	\$323,316,713	\$14,211,060	\$58,474,350	\$124,226,306	\$20,430,124	\$35,393,410	\$40,608,211	\$5,036,315	\$8,266,559	\$2,950,566	\$1,285,459	\$546,724	\$271,258	\$11,616,317
	Revenue Requirement (includes NI)	\$1,665,975,948	\$89,482,887	\$325,438,899	\$627,126,359	\$109,745,486	\$178,506,435	\$177,648,555	\$25,592,334	\$36,594,657	\$15,404,291	\$8,520,956	\$3,390,083	\$9,050,529	\$59,474,479
	Revenue Requirement Input equals Output														
Rate Base Calculation															
dp gp accu co	Net Assets														
	Distribution Plant - Gross	\$11,561,088,933	\$535,114,670	\$2,140,845,997	\$4,450,017,199	\$754,749,538	\$1,238,214,656	\$1,390,493,189	\$177,422,295	\$283,580,131	\$102,113,778	\$44,554,381	\$18,954,277	\$12,904,392	\$412,124,430
	General Plant - Gross	\$11,573,358,490	\$60,097,704	\$247,146,757	\$523,769,713	\$87,236,379	\$147,294,744	\$169,647,964	\$20,885,008	\$34,522,144	\$12,371,079	\$18,901,402	\$2,305,411	\$1,207,011	\$46,163,174
	Accumulated Depreciation	(\$14,655,131,420)	(\$229,621,234)	(\$894,529,921)	(\$1,787,549,286)	(\$311,302,629)	(\$489,525,119)	(\$528,125,149)	(\$71,257,958)	(\$108,094,419)	(\$39,228,122)	(\$24,595,969)	(\$7,235,228)	(\$6,768,815)	(\$167,297,550)
	Capital Contribution	(\$682,409,394)	(\$31,775,211)	(\$129,965,708)	(\$268,837,717)	(\$50,431,295)	(\$65,589,028)	(\$79,005,923)	(\$8,919,980)	(\$16,010,265)	(\$5,992,993)	(\$3,225,156)	(\$1,184,768)	(\$945,699)	(\$20,525,652)
	Total Net Plant	\$7,597,086,608	\$333,815,928	\$1,373,497,125	\$2,917,399,909	\$480,251,993	\$830,385,252	\$953,010,082	\$118,129,365	\$193,997,591	\$69,263,743	\$35,634,638	\$12,839,691	\$6,396,889	\$272,464,402
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Cost of Power (COP)	\$2,582,549,210	\$221,400,657	\$567,991,083	\$525,474,231	\$47,607,644	\$234,815,336	\$266,796,425	\$65,475,005	\$116,081,003	\$14,149,906	\$2,497,042	\$2,745,262	\$2,879,246	\$514,646,370
	OM&A Expenses	\$588,149,670	\$40,156,968	\$130,165,769	\$141,962,018	\$61,223,271	\$42,676,448	\$8,383,006	\$8,705,999	\$5,990,191	\$2,907,858	\$1,671,524	\$0	\$19,037,220	\$19,037,220
	Directly Allocated Expenses	\$11,851,538	\$0	\$0	\$0	\$0	\$320,169	\$2,173,023	\$80,087	\$631,289	\$0	\$1,185,976	\$0	\$5,060,928	\$2,400,066
Subtotal	\$3,182,550,417	\$261,557,625	\$698,156,852	\$748,026,166	\$89,596,662	\$296,358,776	\$311,635,896	\$73,938,098	\$125,418,291	\$20,140,097	\$6,590,876	\$4,416,786	\$10,657,636	\$536,083,656	
Working Capital	\$258,449,058	\$21,240,613	\$56,696,032	\$60,745,827	\$7,273,787	\$24,066,750	\$25,307,377	\$6,004,377	\$10,184,988	\$1,635,540	\$535,233	\$358,679	\$865,487	\$43,534,366	
Total Rate Base	\$7,855,535,667	\$355,056,541	\$1,430,193,157	\$2,978,145,737	\$487,525,780	\$854,452,003	\$978,317,459	\$124,133,742	\$204,182,580	\$70,899,283	\$36,169,871	\$13,198,370	\$7,262,376	\$315,998,768	
Rate Base Input Does Not Equal Output															
Equity Component of Rate Base	\$3,142,214,267	\$142,022,617	\$572,077,263	\$1,191,258,295	\$195,010,312	\$341,780,801	\$391,326,984	\$49,653,497	\$81,673,032	\$28,359,713	\$14,467,948	\$5,279,348	\$2,904,950	\$126,399,507	
Net Income on Allocated Assets	\$323,316,713	\$20,034,577	\$78,024,983	\$112,552,198	\$18,478,268	\$36,119,824	\$32,954,321	\$4,316,380	\$6,706,373	\$2,625,283	\$982,073	\$763,887	(\$263,319)	\$10,021,864	
Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Net Income	\$323,316,713	\$20,034,577	\$78,024,983	\$112,552,198	\$18,478,268	\$36,119,824	\$32,954,321	\$4,316,380	\$6,706,373	\$2,625,283	\$982,073	\$763,887	(\$263,319)	\$10,021,864	
RATIOS ANALYSIS															
REVENUE TO EXPENSES STATUS QUO%															
100.00%		1.07	1.06	0.98	0.98	1.00	0.96	0.97	0.96	0.98	0.96	1.06	0.94	0.97	
EXISTING REVENUE MINUS ALLOCATED COSTS		(\$47,653,700)	\$3,147,963	\$9,757,410	(\$29,340,211)	(\$5,039,403)	(\$4,421,600)	(\$12,589,233)	(\$1,433,740)	(\$2,580,551)	(\$760,191)	(\$455,678)	\$113,932	(\$780,238)	(\$3,272,160)
STATUS QUO REVENUE MINUS ALLOCATED COSTS		(\$0)	\$5,823,517	\$19,550,634	(\$11,674,108)	(\$1,951,856)	\$726,414	(\$7,653,890)	(\$719,935)	(\$1,560,185)	(\$325,283)	(\$303,385)	\$217,163	(\$534,577)	(\$1,594,507)
RETURN ON EQUITY COMPONENT OF RATE BASE		10.22%	14.11%	13.64%	9.45%	9.48%	10.57%	8.42%	8.69%	8.21%	9.26%	5.74%	12.51%	-17.52%	6.60%

Total Gross Plant including USAs 1600s, 1700s and 2040	\$13,168,939,045
Total Accumulated Depreciation including USAs 1600s, 1700s and 2040	(\$4,828,276,584)
Total Capital Contributions	(\$682,444,259)
Total Net Plant	\$7,658,218,201
Working Capital	\$258,449,058
Total Rate Base	\$7,916,667,260
Rate Base from IS TB Data Sheet	\$7,916,667,260
Rate Base Input Equals Output	



2019 Cost Allocation Model

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

Output sheet showing minimum and maximum level for
Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost

Customer Unit Cost per month - Directly Related

Customer Unit Cost per month - Minimum System
with PLCC Adjustment

Existing Approved Fixed Charge

1	2	3	4	5	6	7	8	9	10	11	12	13
UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
\$7.69	\$7.46	\$8.18	\$7.17	\$15.93	\$55.09	\$18.73	\$62.84	\$3.07	\$1.80	\$7.28	\$86.02	\$312.68
\$9.63	\$9.45	\$10.47	\$8.83	\$19.82	\$70.17	\$22.84	\$77.75	\$4.07	\$2.43	\$9.52	\$136.28	\$410.47
\$20.61	\$28.94	\$55.35	\$57.18	\$26.40	\$64.61	\$15.58	\$76.81	\$25.34	\$23.28	\$43.98	\$155.90	\$618.96
\$19.93	\$28.26	\$78.99	\$30.57	\$31.87	\$101.62	\$26.66	\$105.72	\$4.83	\$3.53	\$38.00	\$267.75	\$951.56

REVENUE TO COST RATIOS
YEARS 2015-2019

1
2
3
4
5

2015 Cost Allocation

Please complete the following tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential – Urban [UR]	\$ 48,107,134	4.07%	\$ 78,800,340	5.58%
Residential – Medium Density [R1]	\$ 239,225,873	20.26%	\$ 274,463,567	19.45%
Residential – Low Density [R2]	\$ 488,801,051	41.39%	\$ 539,924,684	38.26%
Seasonal Residential	\$ 83,878,749	7.10%	\$ 97,313,038	6.90%
General Service Energy Billed (less than 50 kW) [GSe]*	\$ 121,457,227	10.28%	\$ 154,232,565	10.93%
General Service Demand Billed (50 kW and above) [GSd]	\$ 130,405,059	11.04%	\$ 137,004,790	9.71%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 6,167,581	0.52%	\$ 21,741,417	1.54%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 10,929,823	0.93%	\$ 28,892,648	2.05%
Street Lighting	\$ 9,469,470	0.80%	\$ 12,570,851	0.89%
Sentinel Lighting	\$ 7,626,353	0.65%	\$ 7,704,253	0.55%
Unmetered Scattered Load [USL]*	\$ 2,531,663	0.21%	\$ 2,914,594	0.21%
Distributed Generation [DGen]	\$ 411,149	0.03%	\$ 5,555,798	0.39%
Sub-Transmission [ST]	\$ 31,949,158	2.71%	\$ 50,146,310	3.55%
Total	\$ 1,180,960,290	100.00%	\$ 1,411,264,855	100.00%

* Since USL is a new rate class, allocated costs to this class in the 2010 cost allocation study have been estimated using its % share of total costs in the 2015 cost allocation study. In 2010 study, USL customers were included in GSe class. Hence, the estimated costs for USL class have been then deducted from GSe class.

Notes:

- 1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.
- 2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.
- 3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue
Residential – Urban [UR]	\$ 82,272,441	\$97,814,287	\$ 86,216,065	\$ 4,404,326
Residential – Medium Density [R1]	\$ 274,442,578	\$326,286,720	\$ 303,379,365	\$ 12,253,737
Residential – Low Density [R2]	\$ 412,408,465	\$490,315,338	\$ 491,452,254	\$ 15,686,961
Seasonal Residential	\$ 70,944,984	\$84,346,993	\$ 88,418,065	\$ 2,985,901
General Service Energy Billed (less than 50 kW) [GSe]	\$ 129,343,959	\$153,777,947	\$ 153,777,947	\$ 4,517,130
General Service Demand Billed (50 kW and above) [GSd]	\$ 98,138,274	\$116,677,288	\$ 126,261,758	\$ 2,423,786
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 12,423,682	\$14,770,603	\$ 19,775,259	\$ 645,969
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 21,276,422	\$25,295,689	\$ 26,736,811	\$ 401,409
Street Lighting	\$ 9,089,496	\$10,806,566	\$ 11,497,104	\$ 310,416
Sentinel Lighting	\$ 2,717,715	\$3,231,111	\$ 3,480,975	\$ 3,223,823
Unmetered Scattered Load [USL]	\$ 2,976,943	\$3,539,309	\$ 3,394,147	\$ 103,366
Distributed Generation [DGen]	\$ 1,704,287	\$2,026,239	\$ 2,710,946	\$ 106,026
Sub-Transmission [ST]	\$ 28,907,077	\$34,367,828	\$ 46,155,221	\$ 946,089
Total	\$ 1,146,646,325	\$ 1,363,255,917	\$ 1,363,255,917	\$ 48,008,939

Notes:

- 1 Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- 2 Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- 3 Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- 4 Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year: 2013	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential – Urban [UR]	115	130	115	85 - 115
Residential – Medium Density [R1]	106	123	115	85 - 115
Residential – Low Density [R2]	93	94	94	85 - 115
Seasonal Residential	115	90	94	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	105	103	103	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	93	87	94	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	120	71	94	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	120	89	94	80 - 120
Street Lighting	93	88	94	70 - 120
Sentinel Lighting	93	84	87	80 - 120
Unmetered Scattered Load [USL]*	125	125	120	80 - 120
Distributed Generation [DGen]	100	38	51	80 - 120
Sub-Transmission [ST]	101	70	94	85 - 115

* Since USL is a new rate class, the R/C ratio for this class for 2013 has been assumed to be the same as 2015 cost allocation study.

Notes:

- 1 Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.
- 2 Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before"

D) Proposed Revenue-to-Cost Ratios

Class	Proposed Revenue-to-Cost Ratios					Policy Range
	2015	2016	2017	2018	2019	
	%	%	%	%	%	
Residential – Urban [UR]	115	113	110	106	102	85 - 115
Residential – Medium Density [R1]	115	113	110	106	102	85 - 115
Residential – Low Density [R2]	94	95	96	98	99	85 - 115
Seasonal Residential	94	95	96	98	99	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	103	103	101	101	100	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	94	95	96	98	99	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	94	95	96	98	99	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	94	95	96	98	99	80 - 120
Street Lighting	94	95	96	98	99	70 - 120
Sentinel Lighting	87	89	92	96	99	80 - 120
Unmetered Scattered Load [USL]	120	113	110	106	102	80 - 120
Distributed Generation [DGen]	51	67	80	91	99	80 - 120
Sub-Transmission [ST]	94	95	96	98	99	85 - 115

Note:

- 1 The applicant should complete Table D if it is applying for approval of a revenue to cost ratio in 2013 that is outside the Board's policy range for any customer class. Table (d) will show the information that the distributor would likely enter in the IRM model) in 2013. In 2014 Table (d), enter the planned ratios for the classes that will be 'Change' and 'No Change' in 2014 (in the current Revenue Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision – Cost Revenue Adjustment', column d), and enter TBD for class(es) that will be entered as 'Rebalance'.

2016 Cost Allocation

Please complete the following tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential – Urban [UR]	\$ 78,800,340	5.58%	\$ 82,896,715	5.47%
Residential – Medium Density [R1]	\$ 274,463,567	19.45%	\$ 294,655,153	19.45%
Residential – Low Density [R2]	\$ 539,924,684	38.26%	\$ 581,477,035	38.38%
Seasonal Residential	\$ 97,313,038	6.90%	\$ 103,615,042	6.84%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 154,232,565	10.93%	\$ 163,937,872	10.82%
General Service Demand Billed (50 kW and above) [GSd]	\$ 137,004,790	9.71%	\$ 148,909,611	9.83%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 21,741,417	1.54%	\$ 22,961,882	1.52%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 28,892,648	2.05%	\$ 31,178,430	2.06%
Street Lighting	\$ 12,570,851	0.89%	\$ 13,707,704	0.90%
Sentinel Lighting	\$ 7,704,253	0.55%	\$ 8,152,282	0.54%
Unmetered Scattered Load [USL]	\$ 2,914,594	0.21%	\$ 3,111,812	0.21%
Distributed Generation [DGen]	\$ 5,555,798	0.39%	\$ 6,640,807	0.44%
Sub-Transmission [ST]	\$ 50,146,310	3.55%	\$ 53,693,386	3.54%
Total	\$ 1,411,264,855	100.00%	\$ 1,514,937,732	100.00%

Notes

- 1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.
- 2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.
- 3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue
Residential – Urban [UR]	\$ 87,047,134	\$93,215,578	\$ 89,521,920	\$ 4,455,771
Residential – Medium Density [R1]	\$ 307,058,786	\$328,817,975	\$ 321,536,123	\$ 12,506,196
Residential – Low Density [R2]	\$ 493,143,815	\$528,089,597	\$ 533,720,279	\$ 16,059,092
Seasonal Residential	\$ 88,265,884	\$94,520,693	\$ 94,921,174	\$ 3,045,571
General Service Energy Billed (less than 50 kW) [GSe]	\$ 152,872,129	\$163,705,147	\$ 163,705,147	\$ 4,559,787
General Service Demand Billed (50 kW and above) [GSd]	\$ 126,505,659	\$135,470,263	\$ 138,324,952	\$ 2,467,250
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 19,708,683	\$21,105,305	\$ 21,063,582	\$ 646,595

Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 26,644,058	\$28,532,143	\$ 29,076,679	\$ 402,142
Street Lighting	\$ 11,628,828	\$12,452,885	\$ 12,644,450	\$ 316,016
Sentinel Lighting	\$ 3,506,471	\$3,754,951	\$ 4,058,466	\$ 3,183,271
Unmetered Scattered Load [USL]	\$ 3,426,306	\$3,669,105	\$ 3,425,062	\$ 102,712
Distributed Generation [DGen]	\$ 3,331,592	\$3,567,680	\$ 4,304,928	\$ 124,133
Sub-Transmission [ST]	\$ 45,962,752	\$49,219,823	\$ 49,818,381	\$ 948,054
Total	\$ 1,369,102,096	\$ 1,466,121,144	\$ 1,466,121,144	\$ 48,816,588

Notes:

- Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	2015			
	%	%	%	%
Residential – Urban [UR]	115	118	113	85 - 115
Residential – Medium Density [R1]	115	116	113	85 - 115
Residential – Low Density [R2]	94	94	95	85 - 115
Seasonal Residential	94	94	95	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	103	103	103	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	94	93	95	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	94	95	95	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	94	93	95	80 - 120
Street Lighting	94	93	95	70 - 120
Sentinel Lighting	87	85	89	80 - 120
Unmetered Scattered Load [USL]	120	121	113	80 - 120
Distributed Generation [DGen]	51	56	67	80 - 120
Sub-Transmission [ST]	94	93	95	85 - 115

Notes

- Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.
- Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before

2017 Cost Allocation

Please complete the following tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential – Urban [UR]	\$ 82,896,715	5.47%	\$ 85,170,959	5.42%
Residential – Medium Density [R1]	\$ 294,655,153	19.45%	\$ 305,531,147	19.45%
Residential – Low Density [R2]	\$ 581,477,035	38.38%	\$ 597,833,655	38.06%
Seasonal Residential	\$ 103,615,042	6.84%	\$ 106,231,775	6.76%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 163,937,872	10.82%	\$ 170,499,387	10.85%
General Service Demand Billed (50 kW and above) [GSd]	\$ 148,909,611	9.83%	\$ 159,420,657	10.15%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 22,961,882	1.52%	\$ 23,998,564	1.53%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 31,178,430	2.06%	\$ 33,200,076	2.11%
Street Lighting	\$ 13,707,704	0.90%	\$ 14,411,400	0.92%
Sentinel Lighting	\$ 8,152,282	0.54%	\$ 8,325,004	0.53%
Unmetered Scattered Load [USL]	\$ 3,111,812	0.21%	\$ 3,223,534	0.21%
Distributed Generation [DGen]	\$ 6,640,807	0.44%	\$ 7,539,338	0.48%
Sub-Transmission [ST]	\$ 53,693,386	3.54%	\$ 55,574,394	3.54%
Total	\$ 1,514,937,732	100.00%	\$ 1,570,959,891	100.00%

Notes

- 1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.
- 2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.
- 3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue
Residential – Urban [UR]	\$ 90,154,017	\$93,299,429	\$ 89,072,530	\$ 4,552,227
Residential – Medium Density [R1]	\$ 324,803,220	\$336,135,382	\$ 323,054,964	\$ 12,802,233
Residential – Low Density [R2]	\$ 535,040,689	\$553,707,893	\$ 557,908,623	\$ 16,325,389
Seasonal Residential	\$ 94,593,279	\$97,893,574	\$ 98,950,305	\$ 3,087,942
General Service Energy Billed (less than 50 kW) [GSe]	\$ 162,369,639	\$168,034,605	\$ 168,034,605	\$ 4,636,635
General Service Demand Billed (50 kW and above) [GSd]	\$ 138,229,738	\$143,052,479	\$ 150,598,188	\$ 2,529,295
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 20,932,739	\$21,663,068	\$ 22,394,154	\$ 657,060

Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 28,902,951	\$29,911,355	\$ 31,481,154	\$ 408,341
Street Lighting	\$ 12,754,428	\$13,199,421	\$ 13,521,824	\$ 320,681
Sentinel Lighting	\$ 4,076,621	\$4,218,852	\$ 4,540,632	\$ 3,140,813
Unmetered Scattered Load [USL]	\$ 3,452,678	\$3,573,140	\$ 3,440,300	\$ 103,192
Distributed Generation [DGen]	\$ 4,941,658	\$5,114,069	\$ 5,874,626	\$ 143,599
Sub-Transmission [ST]	\$ 49,756,811	\$51,492,793	\$ 52,424,154	\$ 956,425
Total	\$ 1,470,008,469	\$ 1,521,296,058	\$ 1,521,296,059	\$ 49,663,833

Notes:

- Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	2016			
	%	%	%	%
Residential – Urban [UR]	113	115	110	85 - 115
Residential – Medium Density [R1]	113	114	110	85 - 115
Residential – Low Density [R2]	95	95	96	85 - 115
Seasonal Residential	95	95	96	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	103	101	101	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	95	91	96	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	95	93	96	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	95	91	96	80 - 120
Street Lighting	95	94	96	70 - 120
Sentinel Lighting	89	88	92	80 - 120
Unmetered Scattered Load [USL]	113	114	110	80 - 120
Distributed Generation [DGen]	67	70	80	80 - 120
Sub-Transmission [ST]	95	94	96	85 - 115

Notes

- Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.
- Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before

2018 Cost Allocation

Please complete the following tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential – Urban [UR]	\$ 85,170,959	5.42%	\$ 87,060,378	5.39%
Residential – Medium Density [R1]	\$ 305,531,147	19.45%	\$ 314,419,268	19.46%
Residential – Low Density [R2]	\$ 597,833,655	38.06%	\$ 610,470,779	37.79%
Seasonal Residential	\$ 106,231,775	6.76%	\$ 107,543,355	6.66%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 170,499,387	10.85%	\$ 174,479,590	10.80%
General Service Demand Billed (50 kW and above) [GSd]	\$ 159,420,657	10.15%	\$ 169,106,810	10.47%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 23,998,564	1.53%	\$ 24,838,374	1.54%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 33,200,076	2.11%	\$ 35,023,634	2.17%
Street Lighting	\$ 14,411,400	0.92%	\$ 14,877,859	0.92%
Sentinel Lighting	\$ 8,325,004	0.53%	\$ 8,401,777	0.52%
Unmetered Scattered Load [USL]	\$ 3,223,534	0.21%	\$ 3,291,897	0.20%
Distributed Generation [DGen]	\$ 7,539,338	0.48%	\$ 8,309,625	0.51%
Sub-Transmission [ST]	\$ 55,574,394	3.54%	\$ 57,507,750	3.56%
Total	\$ 1,570,959,891	100.00%	\$ 1,615,331,096	100.00%

Notes

- 1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.
- 2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.
- 3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue
Residential – Urban [UR]	\$ 89,587,914	\$92,351,584	\$ 87,477,604	\$ 4,456,754
Residential – Medium Density [R1]	\$ 325,284,048	\$335,318,637	\$ 319,511,834	\$ 12,509,854
Residential – Low Density [R2]	\$ 557,741,696	\$574,947,299	\$ 581,026,559	\$ 15,894,351
Seasonal Residential	\$ 98,310,134	\$101,342,874	\$ 102,144,980	\$ 3,011,367
General Service Energy Billed (less than 50 kW) [GSe]	\$ 165,841,736	\$170,957,737	\$ 170,957,737	\$ 4,529,891
General Service Demand Billed (50 kW and above) [GSd]	\$ 149,608,609	\$154,223,839	\$ 162,848,880	\$ 2,504,474
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 22,171,489	\$22,855,450	\$ 23,640,290	\$ 646,777

Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 31,122,686	\$32,082,781	\$ 33,836,491	\$ 409,766
Street Lighting	\$ 13,555,538	\$13,973,709	\$ 14,227,848	\$ 319,786
Sentinel Lighting	\$ 4,541,726	\$4,681,832	\$ 4,994,977	\$ 3,093,654
Unmetered Scattered Load [USL]	\$ 3,459,233	\$3,565,945	\$ 3,372,584	\$ 103,606
Distributed Generation [DGen]	\$ 6,487,533	\$6,687,665	\$ 7,417,584	\$ 162,123
Sub-Transmission [ST]	\$ 52,144,444	\$53,753,032	\$ 55,285,016	\$ 946,306
Total	\$ 1,519,856,787	\$ 1,566,742,385	\$ 1,566,742,385	\$ 48,588,711

Notes:

- Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	2017			
	%	%	%	%
Residential – Urban [UR]	110	111	106	85 - 115
Residential – Medium Density [R1]	110	111	106	85 - 115
Residential – Low Density [R2]	96	97	98	85 - 115
Seasonal Residential	96	97	98	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	101	101	101	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	96	93	98	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	96	95	98	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	96	93	98	80 - 120
Street Lighting	96	96	98	70 - 120
Sentinel Lighting	92	93	96	80 - 120
Unmetered Scattered Load [USL]	110	111	106	80 - 120
Distributed Generation [DGen]	80	82	91	80 - 120
Sub-Transmission [ST]	96	95	98	85 - 115

Notes

- Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.
- Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before

2019 Cost Allocation

Please complete the following tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential – Urban [UR]	\$ 87,060,378	5.39%	\$ 89,482,887	5.37%
Residential – Medium Density [R1]	\$ 314,419,268	19.46%	\$ 325,438,899	19.53%
Residential – Low Density [R2]	\$ 610,470,779	37.79%	\$ 627,126,359	37.64%
Seasonal Residential	\$ 107,543,355	6.66%	\$ 109,745,486	6.59%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 174,479,590	10.80%	\$ 178,506,435	10.71%
General Service Demand Billed (50 kW and above) [GSd]	\$ 169,106,810	10.47%	\$ 177,648,555	10.66%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 24,838,374	1.54%	\$ 25,592,334	1.54%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 35,023,634	2.17%	\$ 36,594,657	2.20%
Street Lighting	\$ 14,877,859	0.92%	\$ 15,404,291	0.92%
Sentinel Lighting	\$ 8,401,777	0.52%	\$ 8,520,956	0.51%
Unmetered Scattered Load [USL]	\$ 3,291,897	0.20%	\$ 3,390,083	0.20%
Distributed Generation [DGen]	\$ 8,309,625	0.51%	\$ 9,050,529	0.54%
Sub-Transmission [ST]	\$ 57,507,750	3.56%	\$ 59,474,479	3.57%
Total	\$ 1,615,331,096	100.00%	\$ 1,665,975,948	100.00%

Notes

- 1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.
- 2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.
- 3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue
Residential – Urban [UR]	\$ 88,109,901	\$90,785,455	\$ 86,751,596	\$ 4,520,949
Residential – Medium Density [R1]	\$ 322,505,150	\$332,298,373	\$ 319,256,518	\$ 12,691,159
Residential – Low Density [R2]	\$ 581,770,589	\$599,436,692	\$ 605,777,404	\$ 16,015,559
Seasonal Residential	\$ 101,677,409	\$104,764,955	\$ 105,783,481	\$ 3,028,674
General Service Energy Billed (less than 50 kW) [GSe]	\$ 169,531,605	\$174,679,618	\$ 174,679,618	\$ 4,553,231
General Service Demand Billed (50 kW and above) [GSd]	\$ 162,528,064	\$167,463,407	\$ 173,606,485	\$ 2,531,257
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 23,506,661	\$24,220,467	\$ 24,722,751	\$ 651,932

Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 33,602,122	\$34,622,488	\$ 35,871,454	\$ 411,984
Street Lighting	\$ 14,322,154	\$14,757,062	\$ 14,951,339	\$ 321,946
Sentinel Lighting	\$ 5,015,223	\$5,167,516	\$ 5,398,435	\$ 3,050,055
Unmetered Scattered Load [USL]	\$ 3,399,547	\$3,502,778	\$ 3,353,417	\$ 104,467
Distributed Generation [DGen]	\$ 8,089,991	\$8,335,652	\$ 8,793,259	\$ 180,300
Sub-Transmission [ST]	\$ 55,247,555	\$56,925,208	\$ 58,013,914	\$ 954,764
Total	\$ 1,569,305,970	\$ 1,616,959,671	\$ 1,616,959,671	\$ 49,016,278

Notes:

- Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	2018			
	%	%	%	%
Residential – Urban [UR]	106	107	102	85 - 115
Residential – Medium Density [R1]	106	106	102	85 - 115
Residential – Low Density [R2]	98	98	99	85 - 115
Seasonal Residential	98	98	99	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	101	100	100	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	98	96	99	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	98	97	99	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	98	96	99	80 - 120
Street Lighting	98	98	99	70 - 120
Sentinel Lighting	96	96	99	80 - 120
Unmetered Scattered Load [USL]	106	106	102	80 - 120
Distributed Generation [DGen]	91	94	99	80 - 120
Sub-Transmission [ST]	98	97	99	85 - 115

Notes

- Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.
- Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before

1
2
3

REVENUE RECONCILIATIONS
YEARS 2015 - 2019

2015 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	209,756	1,965,400,736	-	\$ 20.29	\$ 0.0179		\$ 86,252,046	\$ 86,216,065		\$ 86,216,065	-\$ 35,981
Residential – Medium Density [R1]	Customers	438,731	4,966,297,663	-	\$ 27.92	\$ 0.0315		\$ 303,430,716	\$ 303,379,365		\$ 303,379,365	-\$ 51,351
Residential – Low Density [R2]	Customers	335,388	4,848,234,944	-	\$ 68.49	\$ 0.0445		\$ 491,394,863	\$ 491,452,254		\$ 491,452,254	\$ 57,390
Seasonal Residential	Customers	143,814	450,037,308	-	\$ 26.78	\$ 0.0938		\$ 88,429,615	\$ 88,418,065		\$ 88,418,065	-\$ 11,550
General Service Energy Billed (less than 50 kW) [GSe]	Customers	93,605	2,211,095,023	-	\$ 28.96	\$ 0.0548		\$ 153,697,524	\$ 153,777,947		\$ 153,777,947	\$ 80,423
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,119	2,420,931,372	8,248,059	\$ 82.14		\$ 14.5768	\$ 126,261,891	\$ 126,261,758		\$ 126,261,758	-\$ 134
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,786	608,469,028	-	\$ 22.48	\$ 0.0246		\$ 19,766,415	\$ 19,775,259		\$ 19,775,259	\$ 8,844
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,903	1,075,320,254	2,973,431	\$ 84.40		\$ 8.3437	\$ 26,736,942	\$ 26,736,811		\$ 26,736,811	-\$ 132
Street Lighting	Customers	4,888	123,535,657	-	\$ 4.01	\$ 0.0912		\$ 11,501,642	\$ 11,497,104		\$ 11,497,104	-\$ 4,538
Sentinel Lighting	Customers	30,040	21,800,410	-	\$ 2.42	\$ 0.1197		\$ 3,481,881	\$ 3,480,975		\$ 3,480,975	-\$ 906
Unmetered Scattered Load [USL]	Customers	5,647	23,972,381	-	\$ 39.14	\$ 0.0309		\$ 3,393,216	\$ 3,394,147		\$ 3,394,147	\$ 931
Distributed Generation [DGen]	Customers	1,011	21,107,838	208,653	\$ 166.48		\$ 3.3127	\$ 2,710,940	\$ 2,710,946		\$ 2,710,946	\$ 6
Sub-Transmission [ST]	Customers	811	15,954,657,697	29,377,885	\$ 863.99		\$ 1.2850	\$ 46,154,960	\$ 46,155,221		\$ 46,155,221	\$ 261
Total								\$ 1,363,212,653	\$ 1,363,255,917	\$ -	\$ 1,363,255,917	\$ 43,263

Note

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

2016 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	212,050	1,978,618,156	-	\$ 20.84	\$ 0.0184		\$ 89,435,971	\$ 89,521,920		\$ 89,521,920	\$ 85,948
Residential – Medium Density [R1]	Customers	444,625	5,018,781,474	-	\$ 29.20	\$ 0.0330		\$ 321,416,399	\$ 321,536,123		\$ 321,536,123	\$ 119,725
Residential – Low Density [R2]	Customers	338,265	4,834,387,221	-	\$ 73.75	\$ 0.0485		\$ 533,832,677	\$ 533,720,279		\$ 533,720,279	\$ 112,398
Seasonal Residential	Customers	144,433	446,171,962	-	\$ 28.63	\$ 0.1015		\$ 94,907,818	\$ 94,921,174		\$ 94,921,174	\$ 13,356
General Service Energy Billed (less than 50 kW) [GSe]	Customers	93,948	2,193,859,265	-	\$ 30.71	\$ 0.0588		\$ 163,620,464	\$ 163,705,147		\$ 163,705,147	\$ 84,684
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,207	2,424,103,990	8,258,870	\$ 88.72		\$ 15.9486	\$ 138,325,253	\$ 138,324,952		\$ 138,324,952	-\$ 301
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,838	605,559,538	-	\$ 23.88	\$ 0.0263		\$ 21,037,809	\$ 21,063,582		\$ 21,063,582	\$ 25,773
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,910	1,070,997,654	2,961,478	\$ 91.46		\$ 9.1105	\$ 29,076,728	\$ 29,076,679		\$ 29,076,679	-\$ 49
Street Lighting	Customers	4,935	124,905,064	-	\$ 4.37	\$ 0.0992		\$ 12,649,389	\$ 12,644,450		\$ 12,644,450	-\$ 4,939
Sentinel Lighting	Customers	29,891	22,042,070	-	\$ 2.83	\$ 0.1380		\$ 4,056,904	\$ 4,058,466		\$ 4,058,466	\$ 1,561
Unmetered Scattered Load [USL]	Customers	5,700	24,236,848	-	\$ 39.13	\$ 0.0309		\$ 3,425,622	\$ 3,425,062		\$ 3,425,062	\$ 559
Distributed Generation [DGen]	Customers	1,291	22,979,165	227,151	\$ 207.03		\$ 4.8322	\$ 4,304,949	\$ 4,304,928		\$ 4,304,928	-\$ 21
Sub-Transmission [ST]	Customers	817	15,907,664,871	29,194,091	\$ 925.24		\$ 1.3957	\$ 49,817,654	\$ 49,818,381		\$ 49,818,381	\$ 727
Total								\$ 1,465,907,637	\$ 1,466,121,144	\$ -	\$ 1,466,121,144	\$ 213,507

Note

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

2017 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	214,344	1,986,454,088	-	\$ 20.51	\$ 0.0183		\$ 89,106,567	\$ 89,072,530		\$ 89,072,530	-\$ 34,038
Residential – Medium Density [R1]	Customers	450,575	5,058,238,248	-	\$ 28.95	\$ 0.0329		\$ 322,945,672	\$ 323,054,964		\$ 323,054,964	\$ 109,292
Residential – Low Density [R2]	Customers	341,097	4,807,632,541	-	\$ 76.45	\$ 0.0510		\$ 558,111,301	\$ 557,908,623		\$ 557,908,623	-\$ 202,678
Seasonal Residential	Customers	145,020	441,085,688	-	\$ 29.72	\$ 0.1071		\$ 98,960,221	\$ 98,950,305		\$ 98,950,305	-\$ 9,916
General Service Energy Billed (less than 50 kW) [GSe]	Customers	94,269	2,170,573,551	-	\$ 31.42	\$ 0.0610		\$ 167,948,070	\$ 168,034,605		\$ 168,034,605	\$ 86,534
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,294	2,420,634,341	8,247,045	\$ 95.25		\$ 17.3885	\$ 150,597,861	\$ 150,598,188		\$ 150,598,188	\$ 327
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,887	601,032,601	-	\$ 25.32	\$ 0.0282		\$ 22,383,781	\$ 22,394,154		\$ 22,394,154	\$ 10,373
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,916	1,063,813,632	2,941,614	\$ 98.68		\$ 9.9305	\$ 31,481,118	\$ 31,481,154		\$ 31,481,154	\$ 36
Street Lighting	Customers	4,983	125,938,798	-	\$ 4.63	\$ 0.1052		\$ 13,525,607	\$ 13,521,824		\$ 13,521,824	-\$ 3,782
Sentinel Lighting	Customers	29,730	22,224,494	-	\$ 3.19	\$ 0.1531		\$ 4,540,646	\$ 4,540,632		\$ 4,540,632	-\$ 14
Unmetered Scattered Load [USL]	Customers	5,745	24,436,176	-	\$ 39.00	\$ 0.0308		\$ 3,441,273	\$ 3,440,300		\$ 3,440,300	-\$ 973
Distributed Generation [DGen]	Customers	1,526	24,086,305	238,095	\$ 239.01		\$ 6.2910	\$ 5,874,610	\$ 5,874,626		\$ 5,874,626	\$ 16
Sub-Transmission [ST]	Customers	823	15,837,499,412	29,126,587	\$ 966.15		\$ 1.4721	\$ 52,423,157	\$ 52,424,154		\$ 52,424,154	\$ 998
Total								\$ 1,521,339,885	\$ 1,521,296,059	\$ -	\$ 1,521,296,059	-\$ 43,826

Note

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

2018 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	216,595	1,982,491,032	-	\$ 19.93	\$ 0.0180		\$ 87,485,667	\$ 87,477,604		\$ 87,477,604	\$ 8,063
Residential – Medium Density [R1]	Customers	456,466	5,067,106,168	-	\$ 28.26	\$ 0.0325		\$ 319,477,668	\$ 319,511,834		\$ 319,511,834	\$ 34,166
Residential – Low Density [R2]	Customers	343,819	4,751,412,321	-	\$ 78.99	\$ 0.0537		\$ 581,050,117	\$ 581,026,559		\$ 581,026,559	-\$ 23,557
Seasonal Residential	Customers	145,560	433,218,475	-	\$ 30.57	\$ 0.1125		\$ 102,134,224	\$ 102,144,980		\$ 102,144,980	\$ 10,756
General Service Energy Billed (less than 50 kW) [GSe]	Customers	94,559	2,134,248,216	-	\$ 31.87	\$ 0.0632		\$ 171,047,702	\$ 170,957,737		\$ 170,957,737	-\$ 89,965
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,380	2,402,282,927	8,184,523	\$ 101.62		\$ 18.9467	\$ 162,849,399	\$ 162,848,880		\$ 162,848,880	-\$ 519
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,932	593,019,449	-	\$ 26.66	\$ 0.0302		\$ 23,645,868	\$ 23,640,290		\$ 23,640,290	-\$ 5,578
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,923	1,050,492,744	2,904,780	\$ 105.72		\$ 10.8088	\$ 33,836,383	\$ 33,836,491		\$ 33,836,491	\$ 108
Street Lighting	Customers	5,029	126,198,829	-	\$ 4.83	\$ 0.1104		\$ 14,223,842	\$ 14,227,848		\$ 14,227,848	\$ 4,005
Sentinel Lighting	Customers	29,575	22,270,382	-	\$ 3.53	\$ 0.1681		\$ 4,996,448	\$ 4,994,977		\$ 4,994,977	-\$ 1,470
Unmetered Scattered Load [USL]	Customers	5,780	24,485,394	-	\$ 38.00	\$ 0.0301		\$ 3,372,732	\$ 3,372,584		\$ 3,372,584	-\$ 148
Distributed Generation [DGen]	Customers	1,720	24,994,986	247,078	\$ 267.75		\$ 7.6545	\$ 7,417,617	\$ 7,417,584		\$ 7,417,584	-\$ 34
Sub-Transmission [ST]	Customers	829	15,719,848,798	28,915,291	\$ 1,011.39		\$ 1.5638	\$ 55,284,605	\$ 55,285,016		\$ 55,285,016	\$ 411
Total								\$ 1,566,822,271	\$ 1,566,742,385	\$ -	\$ 1,566,742,385	-\$ 79,886

Note

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

2019 Revenue Reconciliation

Rate Class	Customers/ Connections	Number of Customers/C onnections (Average)	Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric						
						kWh	kW					
Residential – Urban [UR]	Customers	218,777	1,988,172,849	-	\$ 19.57	\$ 0.0178		\$ 86,767,148	\$ 86,751,596		\$ 86,751,596	-\$ 15,553
Residential – Medium Density [R1]	Customers	462,189	5,100,546,964	-	\$ 27.89	\$ 0.0323		\$ 319,432,924	\$ 319,256,518		\$ 319,256,518	-\$ 176,406
Residential – Low Density [R2]	Customers	346,430	4,718,746,601	-	\$ 81.74	\$ 0.0564		\$ 605,943,388	\$ 605,777,404		\$ 605,777,404	-\$ 165,985
Seasonal Residential	Customers	146,063	427,515,557	-	\$ 31.55	\$ 0.1181		\$ 105,789,202	\$ 105,783,481		\$ 105,783,481	-\$ 5,721
General Service Energy Billed (less than 50 kW) [GSe]	Customers	94,827	2,108,636,356	-	\$ 32.47	\$ 0.0653		\$ 174,642,498	\$ 174,679,618		\$ 174,679,618	\$ 37,120
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,463	2,395,736,009	8,162,219	\$ 106.94		\$ 20.2535	\$ 173,607,034	\$ 173,606,485		\$ 173,606,485	-\$ 549
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,974	587,964,055	-	\$ 27.82	\$ 0.0318		\$ 24,697,598	\$ 24,722,751		\$ 24,722,751	\$ 25,154
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,929	1,042,404,755	2,882,415	\$ 111.74		\$ 11.5478	\$ 35,871,548	\$ 35,871,454		\$ 35,871,454	-\$ 94
Street Lighting	Customers	5,074	127,065,835	-	\$ 5.03	\$ 0.1153		\$ 14,956,954	\$ 14,951,339		\$ 14,951,339	-\$ 5,615
Sentinel Lighting	Customers	29,411	22,423,383	-	\$ 3.83	\$ 0.1804		\$ 5,396,911	\$ 5,398,435		\$ 5,398,435	\$ 1,524
Unmetered Scattered Load [USL]	Customers	5,828	24,652,392	-	\$ 37.47	\$ 0.0297		\$ 3,352,621	\$ 3,353,417		\$ 3,353,417	\$ 796
Distributed Generation [DGen]	Customers	1,909	25,855,564	255,585	\$ 285.98		\$ 8.7721	\$ 8,793,245	\$ 8,793,259		\$ 8,793,259	\$ 14
Sub-Transmission [ST]	Customers	835	15,672,765,315	28,874,041	\$ 1,053.88		\$ 1.6433	\$ 58,012,513	\$ 58,013,914		\$ 58,013,914	\$ 1,401
Total								\$ 1,617,263,583	\$ 1,616,959,671	\$ -	\$ 1,616,959,671	-\$ 303,913

Note

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

PROPOSED RATE SCHEDULES

1
2
3

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

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

EB-2013-0416

RESIDENTIAL SERVICE CLASSIFICATIONS

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

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

A customer that does not meet all of the above criteria, but consumes at least 9,600 kWh annually and at least 600 kWh monthly for a minimum of 10 months of the year also qualifies for year-round residential customer classification.

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

Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

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EB-2013-0416

RESIDENTIAL SERVICE CLASSIFICATIONS

YEAR-ROUND URBAN DENSITY – UR

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	20.29
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.23
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(0.83)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0179
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0001
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0007)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0067
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0050

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

YEAR-ROUND MEDIUM DENSITY – R1

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	27.92
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.27
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.15)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0315
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0002
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0013)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0063
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0048

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

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YEAR-ROUND LOW DENSITY – R2

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge*	\$	68.49
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.47
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(2.82)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0445
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0002
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0018)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0062
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0047

* Under the Ontario Energy Board Act, 1998 and associated Regulations, the monthly service charge will be reduced by the RRRP credit amount of \$30.50.

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

SEASONAL

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	26.78
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.25
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.10)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0938
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0005
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0039)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0050
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0045

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

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EB-2013-0416

GENERAL SERVICE CLASSIFICATIONS

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

APPLICATION

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

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

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

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

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

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

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EB-2013-0416

URBAN GENERAL SERVICE ENERGY BILLED – UGe

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	22.48
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.22
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(0.92)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0246
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0001
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0010)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0062
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0039

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE ENERGY BILLED – GSe - metered

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	28.96
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.26
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.19)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0548
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0003
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0023)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0058
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0037

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

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URBAN GENERAL SERVICE DEMAND BILLED – UGd

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	84.40
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.50
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(3.47)
Distribution Volumetric Rate	\$/kW	8.4414
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kW	0.0285
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kW	(0.3431)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.9939
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.3166

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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GENERAL SERVICE DEMAND BILLED – GSd

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	82.14
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.49
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(3.38)
Distribution Volumetric Rate	\$/kW	14.6862
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kW	0.0608
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kW	(0.5993)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.5953
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.0817

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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DISTRIBUTED GENERATION – DGen

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	166.48
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	1.46
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(6.84)
Distribution Volumetric Rate	\$/kW	3.4104
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kW	0.0238
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kW	(0.1362)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	0.5390
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	0.3578

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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SUB TRANSMISSION – ST

This classification applies to either:

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	453.27
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	5.04
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(35.52)
Meter Charge (for Hydro One ownership) (see Note 11)	\$	679.47
Facility Charge for connection to Common ST Lines (44 kV to 13.8 kV) (see Notes 1, 8 and 14)	\$/kW	1.1585
Facility Charge for connection to Specific ST Lines (44 kV to 13.8 kV) (see Note 2)	\$/km	974.2502
Facility Charge for connection to Specific Primary Lines (12.5 kV to 4.16 kV) (see Note 2)	\$/km	732.7370
Facility Charge for connection to high-voltage (> 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	1.7038
Facility Charge for connection to low-voltage (< 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	3.8319
Facility Charge for connection to low-voltage (< 13.8 kV secondary) Low Voltage Distribution Station (see Notes 3 and 14)	\$/kW	2.1281
Rate Rider for Disposition of Deferral/Variance Accounts (General) – effective until December 31, 2015 (see Notes 1, 9 and 14)	\$/kW	0.1906
Rate Rider for Disposition of Deferral/Variance Account (Wholesale Market Service Rate) – effective until December 31, 2015 (see Notes 1, 10 and 14)	\$/kW	(0.1700)
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kW	(0.0528)
Retail Transmission Service Rates (see Notes 6 and 7)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	3.4677
Retail Transmission Rate – Line Connection Service Rate (see Note 5)	\$/kW	0.7557
Retail Transmission Rate – Transformation Connection Service Rate (see Note 5)	\$/kW	1.7954

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. The amount of electricity consumed by unmetered connections will be based on detailed information/documentation provided by the device's manufacturer and will be agreed to by Hydro One and the customer and may be subject to periodic monitoring of actual consumption. Eligible unmetered loads include cable TV amplifiers, bus shelters, telephone booths, traffic signals, railway crossings and other small fixed loads. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	39.14
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.28
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.61)
Distribution Volumetric Rate	\$/kWh	0.0309
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0002
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0013)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0047
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0032

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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EB-2013-0416

SENTINEL LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have separate service to a sentinel light. The energy consumption for sentinel lights is estimated based on Networks' profile for sentinel lighting load, which provides the amount of time each month that the sentinel lights are operating. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	2.42
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.02
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(0.10)
Distribution Volumetric Rate	\$/kWh	0.1197
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0006
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0049)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0034

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2015

**This schedule supersedes and replaces all previously
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EB-2013-0416

STREET LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have streetlights, which are devices owned by or operated for a road authority and/or municipal corporation. The energy consumption for street lights is estimated based on Networks' profile for street lighting load, which provides the amount of time each month that the street lights are operating. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account – effective until December 31, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	4.01
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.03
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(0.17)
Distribution Volumetric Rate	\$/kWh	0.0912
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0005
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0037)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0039
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0034

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)	\$/kWh	0.0044
Rural Rate Protection Charge (see Note 12)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
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microFIT GENERATOR SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
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ALLOWANCES

CUSTOMER-SUPPLIED TRANSFORMATION ALLOWANCE

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

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

TRANSFORMER LOSS ALLOWANCE

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

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

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

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

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

LOSS FACTORS

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

Hydro One Networks Inc.

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SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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Customer Administration		
Arrears certificate	\$	15.00
Easement charge for unregistered rights	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection/Load Limiter	\$	30.00
Collection/Disconnect/Load Limiter/Reconnect trip (at meter) - during regular hours	\$	65.00
Collection/Disconnect/Load Limiter/Reconnect trip (at meter) - after regular hours	\$	185.00
Collection/Disconnect/Load Limiter/Reconnect trip (at pole) - during regular hours	\$	185.00
Collection/Disconnect/Load Limiter/Reconnect trip (at pole) - after regular hours	\$	415.00
Temporary service install & remove	\$	500.00
Specific Charge for Cable and Telecom Companies Access to the Power Poles - \$/pole/year	\$	37.05
Specific Charge for LDCs Access to the Power Poles - \$/pole/year	\$	see below
Specific Charge for Generator Access to the Power Poles - \$/pole/year	\$	see below
Service Layout Fee – Basic	\$	630.00
Service Layout Fee – Complex	\$	835.00
Crossing Application – Pipeline	\$	2,510.00
Crossing Application – Water	\$	3,190.00
Crossing Application – Railroad	\$	6,060.00
Line Staking - \$/meter	\$	4.55
Central Metering – New Service < 45 kW	\$	120.00
Conversion to Central Metering < 45 kW	\$	1,035.00
Conversion to Central Metering > 45 kW	\$	915.00
Tingle Voltage Test in excess of 4 hours – per hour (average 2 additional hours)	\$	140.00
Standby Administration Charge – per month	\$	515.00
Connection Impact Assessment (CIA) Charge – CAE Small DG & Net Metering	\$	5,580.00
Connection Impact Assessment (CIA) Charge – Greater than CAE Small DG & Net Metering	\$	11,985.00
Sentinel Lights Rental Rate – per month	\$	8.97
Sentinel Lights Pole Rental Rate – per month	\$	4.15
Joint Use for Municipality Streetlights	\$	2.04

Hydro One Networks Inc.

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

LDC Rate for 10' of power space	\$	46.88
LDC Rate for 15' of power space	\$	56.25
LDC Rate for 20' of power space	\$	62.81
LDC Rate for 25' of power space	\$	66.56
LDC Rate for 30' of power space	\$	70.31
LDC Rate for 35' of power space	\$	73.13
LDC Rate for 40' of power space	\$	75.00
LDC Rate for 45' of power space	\$	76.88
LDC Rate for 50' of power space	\$	77.81
LDC Rate for 55' of power space	\$	79.69
LDC Rate for 60' of power space	\$	80.63

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

Generator Rate for 10' of power space	\$	46.88
Generator Rate for 15' of power space	\$	56.25
Generator Rate for 20' of power space	\$	62.81
Generator Rate for 25' of power space	\$	66.56
Generator Rate for 30' of power space	\$	70.31
Generator Rate for 35' of power space	\$	73.13
Generator Rate for 40' of power space	\$	75.00
Generator Rate for 45' of power space	\$	76.88
Generator Rate for 50' of power space	\$	77.81
Generator Rate for 55' of power space	\$	79.69
Generator Rate for 60' of power space	\$	80.63

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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EB-2013-0416

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

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

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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NOTES:

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

CURRENT RATE SCHEDULES

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Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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RESIDENTIAL SERVICE CLASSIFICATIONS

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

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

Seasonal Residential customer classification is defined as any residential service not meeting the Residential Year-round criteria. It includes dwellings such as cottages, chalets and camps.

Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

Hydro One Networks Inc.

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RESIDENTIAL SERVICE CLASSIFICATIONS

YEAR-ROUND URBAN DENSITY – UR

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	12.72
Smart Meter Funding Adder	\$	3.92
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.02557
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00093)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00053
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00105
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00004)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00707
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00489

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

YEAR-ROUND MEDIUM DENSITY – R1

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	20.15
Smart Meter Funding Adder	\$	3.92
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.03390
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00090)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00062
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00141
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00006)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00719
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00499

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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YEAR-ROUND LOW DENSITY – R2

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge*	\$	57.61
Smart Meter Funding Adder	\$	3.92
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.03724
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00085)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00091
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00211
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00009)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00702
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00470

* Under the Ontario Energy Board Act, 1998 and associated Regulations, every qualifying year-round customer with a principal residence is eligible to receive Rural or Remote Rate Protection (RRRP). The service charge shown for eligible R2 customers will be reduced by the applicable RRRP credit, currently at \$28.50.

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

SEASONAL

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	19.71
Smart Meter Funding Adder	\$	3.92
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.08206
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00065)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00149
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00333
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00014)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00663
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00460

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2014

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GENERAL SERVICE CLASSIFICATIONS

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

APPLICATION

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

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

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

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

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

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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

URBAN GENERAL SERVICE ENERGY BILLED – UGe

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	10.20
Smart Meter Funding Adder	\$	3.92
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.01684
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00106)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00031
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00051
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00002)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00544
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00358

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE ENERGY BILLED – GSe - metered

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	36.26
Smart Meter Funding Adder	\$	3.92
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.04025
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00093)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00065
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00149
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00006)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00527
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00350

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE ENERGY BILLED – GSe - unmetered

This classification refers to certain instances where connections can be provided without metering. These loads are generally small in size and consistent in magnitude of load. Hydro One reserves the right to review all cases and may require that a meter be installed at its sole discretion. Services that can be unmetered include cable TV amplifiers, telephone switching devices, phone booths, bus shelters, railway crossing signals, traffic signals, and other small fixed loads.

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	29.69
Distribution Volumetric Rate	\$/kWh	0.04025
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00093)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00065
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00149
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00006)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00527
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00350

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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

URBAN GENERAL SERVICE DEMAND BILLED – UGd

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	28.71
Smart Meter Funding Adder	\$	3.92
Distribution Volumetric Rate	\$/kW	6.990
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kW	(0.356)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kW	0.093
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kW	0.178
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kW	(0.008)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.78
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.17

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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GENERAL SERVICE DEMAND BILLED – GSd

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	52.27
Smart Meter Funding Adder	\$	3.92
Distribution Volumetric Rate	\$/kW	11.495
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kW	(0.307)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kW	0.121
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kW	0.296
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kW	(0.012)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.71
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	1.11

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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DISTRIBUTED GENERATION – DGen

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	38.13
Smart Meter Funding Adder	\$	3.92
Distribution Volumetric Rate	\$/kW	6.004
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kW	(0.048)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kW	0.071
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kW	0.163
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kW	(0.007)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	0.36
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	0.23

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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SUB TRANSMISSION – ST

This classification applies to either:

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	294.97
Smart Meter Funding Adder	\$	3.92
Meter Charge (for Hydro One ownership) (see Note 12)	\$	476.35
Facility Charge for connection to Common ST Lines (44 kV to 13.8 kV) (see Notes 1, 9 and 15)	\$/kW	0.682
Facility Charge for connection to Specific ST Lines (44 kV to 13.8 kV) (see Note 2)	\$/km	647.16
Facility Charge for connection to Specific Primary Lines (12.5 kV to 4.16 kV) (see Note 2)	\$/km	501.55
Facility Charge for connection to high-voltage (> 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 15)	\$/kW	1.632
Facility Charge for connection to low-voltage (< 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 15)	\$/kW	3.618
Facility Charge for connection to low-voltage (< 13.8 kV secondary) Low Voltage Distribution Station (see Notes 3 and 15)	\$/kW	1.987
Rate Rider for Disposition of Deferral/Variance Accounts (2012) (General) – effective until December 31, 2014 (see Notes 1, 10 and 15)	\$/kW	0.275
Rate Rider for Disposition of Deferral/Variance Account (2012) (Wholesale Market Service Rate) – effective until December 31, 2014 (see Notes 1, 11 and 15)	\$/kW	(0.627)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates (see Notes 1 and 15)	\$/kW	0.010
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014 (see Notes 1 and 15)	\$/kW	0.023
Rate Rider for Application of Tax Change – effective until December 31, 2014 (see Notes 1 and 15)	\$/kW	(0.001)
Retail Transmission Service Rates (see Notes 6, 7 and 8)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	3.23
Retail Transmission Rate – Line Connection Service Rate (see Note 5)	\$/kW	0.65
Retail Transmission Rate – Transformation Connection Service Rate (see Note 5)	\$/kW	1.62

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have separate service to a sentinel light. The energy consumption for sentinel lights is estimated based on Networks' profile for sentinel lighting load, which provides the amount of time each month that the sentinel lights are operating. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	1.50
Distribution Volumetric Rate	\$/kWh	0.09986
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00100)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00103
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00329
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00014)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00442
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00297

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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STREET LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have streetlights, which are devices owned by or operated for a road authority and/or municipal corporation. The energy consumption for street lights is estimated based on Networks' profile for street lighting load, which provides the amount of time each month that the street lights are operating. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Electricity Component

Rate Rider for Disposition of Global Adjustment Sub-Account (2012) – effective until December 31, 2014 Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	1.47
Distribution Volumetric Rate	\$/kWh	0.07288
Rate Rider for Disposition of Deferral/Variance Accounts (2012) – effective until December 31, 2014	\$/kWh	(0.00102)
Rate Rider for Recovery of Incremental Capital – effective until the later of December 31, 2014 or the effective date of the 2015 rates	\$/kWh	0.00059
Rate Rider for Recovery of Smart Grid Costs – effective until December 31, 2014	\$/kWh	0.00184
Rate Rider for Application of Tax Change – effective until December 31, 2014	\$/kWh	(0.00008)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.00442
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.00297

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Notes 7 and 13)	\$/kWh	0.0044
Rural Rate Protection Charge (see Notes 7 and 13)	\$/kWh	0.0012
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Hydro One Networks Inc.
TARIFF OF RATES AND CHARGES
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microFIT GENERATOR SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	5.40
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Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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ALLOWANCES

CUSTOMER-SUPPLIED TRANSFORMATION ALLOWANCE

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

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

TRANSFORMER LOSS ALLOWANCE

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

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

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

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

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

LOSS FACTORS

Residential - UR	1.078
Residential - R1	1.085
Residential - R2	1.092
Residential - Seasonal	1.092
General Service - UGe	1.092
General Service - GSe	1.092
General Service - UGd	1.061
General Service - GSd	1.061
Distributed Generation - DGen	1.061
Sentinel Lights	1.092
Street Lights	1.092
Sub Transmission - ST	
Distribution Loss Factors	
Embedded Delivery Points (metering at station)	1.000
Embedded Delivery Points (metering away from station)	1.028
Total Loss Factors	
Embedded Delivery Points (metering at station)	1.006
Embedded Delivery Points (metering away from station)	1.034

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration		
Arrears certificate	\$	15.00
Easement charge for unregistered rights	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection/Load Limiter	\$	30.00
Collection/Disconnect/Load Limiter/Reconnect trip (at meter) - during regular hours	\$	65.00
Collection/Disconnect/Load Limiter/Reconnect trip (at meter) - after regular hours	\$	185.00
Collection/Disconnect/Load Limiter/Reconnect trip (at pole) - during regular hours	\$	185.00
Collection/Disconnect/Load Limiter/Reconnect trip (at pole) - after regular hours	\$	415.00
Temporary service install & remove	\$	500.00
Specific Charge for Cable and Telecom Companies Access to the Power Poles - \$/pole/year	\$	22.35
Specific Charge for LDCs Access to the Power Poles - \$/pole/year	\$	28.61
Service Layout Fee – Basic	\$	562.00
Service Layout Fee – Complex	\$	750.00
Crossing Application – Pipeline	\$	2,600.00
Crossing Application – Water	\$	2,960.00
Crossing Application – Railroad	\$	3,100.00
Line Staking - \$/meter	\$	3.75
Central Metering – New Service < 45 kW	\$	115.00
Conversion to Central Metering < 45 kW	\$	935.00
Conversion to Central Metering > 45 kW	\$	815.00
Tingle Voltage Test in excess of 4 hours – per hour (average 2 additional hours)	\$	125.00
Standby Administration Charge – per month	\$	480.00
Connection Impact Assessment (CIA) Charge – small and medium	\$	10,335
Connection Impact Assessment (CIA) Charge – large	\$	10,405
Sentinel Lights Rental Rate – per month	\$	7.10
Sentinel Lights Pole Rental Rate – per month	\$	4.15

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

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

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

Hydro One Networks Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2014

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

NOTES:

- (1) The basis of the charge is the customer's monthly maximum demand. For a customer with multiple delivery points served from the same Transformer Station or High Voltage Distribution Station, the aggregated demand will be the applicable billing determinant. Demand is not aggregated between stations.
- (2) The basis of the charge is kilometers of line, within the supplied LDC's service area, supplying solely that LDC.
- (3) These rates are based on the "non-coincident demand" at each delivery point of the customer supplied by the station. This is measured as the kW demand at the delivery point at the time in the month of maximum load on the delivery point. For a customer connected through two or more distribution stations, the total charge for the connection to the shared distribution stations is the sum of the relevant charges for each of the distribution stations.
- (4) The monthly billing determinant for the RTSR Network Service rate is:
 - for energy-only metered customers: the customer's metered energy consumption adjusted by the total loss factor as approved by the Board.
 - for interval-metered customers: the peak demand from 7 AM to 7 PM (local time) on IESO business days in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Board.
 - for non-interval-metered demand billed customers: the non-coincident peak demand in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Board.
- (5) (a) The monthly billing determinant for the RTSR Line and Transformation Connection Service rates is:
 - for energy-only metered customers: the customer's metered energy consumption adjusted by the total loss factor as approved by the Board.
 - for all demand billed customers: the non-coincident peak demand in the billing period. The rates shown are to be adjusted by the total loss factor as approved by the Board.(b) For customers with load displacement generation above 1 MW, or 2 MW for renewable generation, installed after October 1998, RTSR connection is billed at the gross demand level.
- (6) Delivery point with respect to RTSR is defined as the low side of the Transformer Station that steps down voltage from above 50 kV to below 50 kV. For a customer's multiple interval-metered delivery points served from the same Transformer Station, the aggregated demand at the said delivery points on the low side of the Transformer Station will be the applicable billing determinant.
- (7) These rates pertain to the IESO's defined point of sale; consequently, appropriate loss factors as approved by the Board and set out in Hydro One Distribution's loss factors must be applied to the metered load of energy-metered customers. Similarly, appropriate loss factors as approved by the Board and set out as Hydro One Distribution's loss factors must be applied to the applicable tariffs of demand-billed customers.
- (8) The loss factors, and which connection service rates are applied, are determined based on the point at which the distribution utility or customer is metered for its connection to Hydro One Distribution's system. Hydro One Distribution's connection agreements with these distribution utilities and customers will establish the appropriate loss factors and connection rates to apply from Hydro One Distribution's tariff schedules.
- (9) The Common ST Lines rate also applies to the supply to Distributors which use lines in the 12.5 kV to 4.16 kV range from HVDSs or LVDSs.
- (10) Rate Rider for Disposition of Deferral/Variance Accounts (2012) (General) is charged based on appropriate billing kW.
- (11) Rate Rider for Disposition of Deferral/Variance Account (2012) (Wholesale Market Service Rate) applies to those customers who were charged Wholesale Market Service Charges by Hydro One Distribution.
- (12) The Meter charge is applied to delivery points for which Hydro One owns the metering.
- (13) The Wholesale Market Service Rate and the Rural or Remote Rate Protection Rate are charged solely to non-Wholesale-Market-Participants.
- (14) The Global Adjustment rate rider applies to the non-LDC and non-RPP ST customers that were charged Wholesale Market Service Charges by Hydro One Distribution.
- (15) For customers with load displacement generation above 1MW, or 2 MW for renewable generation, installed after October 1998, the ST volumetric charges are billed at the gross demand level.

BILL IMPACTS OF DISTRIBUTION RATES CHANGES

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- Attachment 1: Bill Impacts 2015
- Attachment 2: Bill Impacts 2016
- Attachment 3: Bill Impacts 2017
- Attachment 4: Bill Impacts 2018
- Attachment 5: Bill Impacts 2019

2015 Bill Impacts (Low Consumption Level)

Filed: 2013-12-19
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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	23.08%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	23.08%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		12.45%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		5.44%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		6.48%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	24.83%	24.37%
Service Charge	1	12.72	12.72	1	20.29	20.29	7.57	59.51%	60.03%	58.92%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.83	-0.83	-0.83	0.00%	-2.46%	-2.41%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.23	0.23	0.23	0.00%	0.68%	0.67%
Distribution Volumetric Rate	100	0.02557	2.56	100	0.0179	1.79	-0.77	-30.00%	5.30%	5.20%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0007	-0.07	-0.07	0.00%	-0.21%	-0.20%
Volumetric Deferral/Variance Account Rider	100	0.00061	0.06	100	0.0001	0.01	-0.05	-83.61%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			19.26			21.42	2.16	11.23%	63.38%	62.20%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.34%	2.29%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.08	0.44	6	0.08	0.44	0.00	0.00%	1.32%	1.29%
Line Losses on Cost of Power (based on TOU prices)	6	0.08	0.48	6	0.08	0.48	0.00	0.00%	1.42%	1.39%
Sub-Total: Distribution (based on two-tier RPP prices)			20.49			22.65	2.16	10.55%	67.03%	65.79%
Sub-Total: Distribution (based on TOU prices)			20.53			22.69	2.16	10.53%	67.13%	65.89%
Retail Transmission Rate – Network Service Rate	106	0.00707	0.75	106	0.0067	0.71	-0.04	-5.23%	2.10%	2.06%
Retail Transmission Rate – Line and Transformation Connection Service Rate	106	0.00489	0.52	106	0.005	0.53	0.01	2.25%	1.56%	1.53%
Sub-Total: Retail Transmission			1.26			1.24	-0.03	-2.17%	3.66%	3.59%
Sub-Total: Delivery (excluding pass through)			20.52			22.66	2.13	10.40%	67.04%	65.80%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.38%	1.35%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	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%	0.74%	0.73%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.49%	2.44%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.07%	2.03%
Total Bill on Two-Tier RPP (before Taxes)			31.10			33.23	2.13	6.86%	98.33%	
HST		0.13	4.04		0.13	4.32	0.28	6.86%	12.78%	
Total Bill (including HST)			35.14			37.55	2.41	6.86%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.51		-0.10	-3.76	-0.24	6.86%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			31.63			33.80	2.17	6.86%	100.00%	
Total Bill on TOU (before Taxes)			31.72			33.86	2.13	6.73%		98.33%
HST		0.13	4.12		0.13	4.40	0.28	6.73%		12.78%
Total Bill (including HST)			35.85			38.26	2.41	6.73%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.58		-0.10	-3.83	-0.24	6.73%		-11.11%
Total Bill on TOU (including HST and OCEB)			32.26			34.43	2.17	6.73%		100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	37.13%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	14.44%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	51.56%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		26.82%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		11.71%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		13.96%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	53.26%	52.49%
Service Charge	1	12.72	12.72	1	20.29	20.29	7.57	59.51%	16.10%	15.86%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.83	-0.83	-0.83	0.00%	-0.66%	-0.65%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.23	0.23	0.23	0.00%	0.18%	0.18%
Distribution Volumetric Rate	800	0.02557	20.46	800	0.0179	14.32	-6.14	-30.00%	11.36%	11.20%
Volumetric Smoothing Rider	800	0	0.00	800	-0.0007	-0.56	-0.56	0.00%	-0.44%	-0.44%
Volumetric Deferral/Variance Account Rider	800	0.00061	0.49	800	0.0001	0.08	-0.41	-83.61%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			37.58			33.53	-4.05	-10.79%	26.60%	26.22%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.63%	0.62%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.09	4.15	46	0.09	4.15	0.00	0.00%	3.29%	3.24%
Line Losses on Cost of Power (based on TOU prices)	46	0.08	3.83	46	0.08	3.83	0.00	0.00%	3.04%	2.99%
Sub-Total: Distribution (based on two-tier RPP prices)			42.52			38.47	-4.05	-9.53%	30.52%	30.08%
Sub-Total: Distribution (based on TOU prices)			42.20			38.15	-4.05	-9.61%	30.26%	29.83%
Retail Transmission Rate – Network Service Rate	846	0.00707	5.98	846	0.0067	5.67	-0.31	-5.23%	4.49%	4.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	846	0.00489	4.13	846	0.005	4.23	0.09	2.25%	3.35%	3.31%
Sub-Total: Retail Transmission			10.11			9.89	-0.22	-2.17%	7.85%	7.74%
Sub-Total: Delivery (excluding pass through)			47.70			43.42	-4.27	-8.96%	34.45%	33.95%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.95%	2.91%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.80%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.20%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.95%	3.90%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.44%	4.38%
Total Bill on Two-Tier RPP (before Taxes)			128.22			123.95	-4.27	-3.33%	98.33%	
HST		0.13	16.67		0.13	16.11	-0.56	-3.33%	12.78%	
Total Bill (including HST)			144.89			140.06	-4.83	-3.33%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.49		-0.10	-14.01	0.48	-3.33%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			130.40			126.06	-4.35	-3.33%	100.00%	
Total Bill on TOU (before Taxes)			130.04			125.76	-4.27	-3.29%		98.33%
HST		0.13	16.90		0.13	16.35	-0.56	-3.29%		12.78%
Total Bill (including HST)			146.94			142.11	-4.83	-3.29%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.69		-0.10	-14.21	0.48	-3.29%		-11.11%
Total Bill on TOU (including HST and OCEB)			132.25			127.90	-4.35	-3.29%		100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	15.84%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	43.13%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	58.97%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		29.76%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.99%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		15.49%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	56.82%	58.25%
Service Charge	1	12.72	12.72	1	20.29	20.29	7.57	59.51%	6.87%	7.04%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.83	-0.83	-0.83	0.00%	-0.28%	-0.29%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.23	0.23	0.23	0.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.02557	51.14	2,000	0.0179	35.80	-15.34	-30.00%	12.12%	12.43%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0007	-1.40	-1.40	0.00%	-0.47%	-0.49%
Volumetric Deferral/Variance Account Rider	2,000	0.00061	1.22	2,000	0.0001	0.20	-1.02	-83.61%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			69.00			54.29	-14.71	-21.32%	18.38%	18.84%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.27%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.09	10.37	114	0.09	10.37	0.00	0.00%	3.51%	3.60%
Line Losses on Cost of Power (based on TOU prices)	114	0.08	9.57	114	0.08	9.57	0.00	0.00%	3.24%	3.32%
Sub-Total: Distribution (based on two-tier RPP prices)			80.16			65.45	-14.71	-18.35%	22.16%	22.72%
Sub-Total: Distribution (based on TOU prices)			79.36			64.65	-14.71	-18.54%	21.88%	22.44%
Retail Transmission Rate – Network Service Rate	2,114	0.00707	14.95	2,114	0.0067	14.16	-0.78	-5.23%	4.79%	4.92%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,114	0.00489	10.34	2,114	0.005	10.57	0.23	2.25%	3.58%	3.67%
Sub-Total: Retail Transmission			25.28			24.73	-0.55	-2.17%	8.37%	8.58%
Sub-Total: Delivery (excluding pass through)			94.28			79.02	-15.26	-16.18%	26.75%	27.43%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	3.15%	3.23%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	0.00	0.00%	0.86%	0.88%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.09%
Sub-Total: Regulatory			12.09			12.09	0.00	0.00%	4.09%	4.20%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.74%	4.86%
Total Bill on Two-Tier RPP (before Taxes)			305.74			290.48	-15.26	-4.99%	98.33%	
HST		0.13	39.75		0.13	37.76	-1.98	-4.99%	12.78%	
Total Bill (including HST)			345.48			328.24	-17.24	-4.99%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.55		-0.10	-32.82	1.72	-4.99%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			310.93			295.41	-15.52	-4.99%	100.00%	
Total Bill on TOU (before Taxes)			298.57			283.31	-15.26	-5.11%		98.33%
HST		0.13	38.81		0.13	36.83	-1.98	-5.11%		12.78%
Total Bill (including HST)			337.38			320.14	-17.24	-5.11%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-33.74		-0.10	-32.01	1.72	-5.11%		-11.11%
Total Bill on TOU (including HST and OCEB)			303.64			288.13	-15.52	-5.11%		100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	18.26%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	18.26%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		9.89%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		4.32%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		5.15%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	19.64%	19.35%
Service Charge	1	20.15	20.15	1	27.92	27.92	7.77	38.56%	65.35%	64.37%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.15	-1.15	-1.15	0.00%	-2.69%	-2.65%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.27	0.27	0.27	0.00%	0.63%	0.62%
Distribution Volumetric Rate	100	0.0339	3.39	100	0.0315	3.15	-0.24	-7.08%	7.37%	7.26%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0013	-0.13	-0.13	0.00%	-0.30%	-0.30%
Volumetric Deferral/Variance Account Rider	100	0.00107	0.11	100	0.0002	0.02	-0.09	-81.31%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			27.57			30.08	2.51	9.12%	70.41%	69.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.85%	1.82%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.08	0.59	8	0.08	0.59	0.00	0.00%	1.39%	1.37%
Line Losses on Cost of Power (based on TOU prices)	8	0.08	0.64	8	0.08	0.64	0.00	0.00%	1.49%	1.47%
Sub-Total: Distribution (based on two-tier RPP prices)			28.95			31.46	2.51	8.68%	73.64%	72.54%
Sub-Total: Distribution (based on TOU prices)			28.99			31.51	2.51	8.67%	73.75%	72.65%
Retail Transmission Rate – Network Service Rate	108	0.00719	0.77	108	0.0063	0.68	-0.10	-12.38%	1.59%	1.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	108	0.00499	0.54	108	0.0048	0.52	-0.02	-3.81%	1.21%	1.19%
Sub-Total: Retail Transmission			1.31			1.19	-0.12	-8.87%	2.80%	2.75%
Sub-Total: Delivery (excluding pass through)			28.88			31.27	2.40	8.30%	73.20%	72.11%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.11%	1.09%
Rural Rate Protection Charge	108	0.0012	0.13	108	0.0012	0.13	0.00	0.00%	0.30%	0.30%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.59%	0.58%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	2.00%	1.97%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.64%	1.61%
Total Bill on Two-Tier RPP (before Taxes)			39.61			42.01	2.40	6.05%	98.33%	
HST		0.13	5.15		0.13	5.46	0.31	6.05%	12.78%	
Total Bill (including HST)			44.76			47.47	2.71	6.05%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.48		-0.10	-4.75	-0.27	6.05%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			40.29			42.72	2.44	6.05%	100.00%	
Total Bill on TOU (before Taxes)			40.25			42.65	2.40	5.95%		98.33%
HST		0.13	5.23		0.13	5.54	0.31	5.95%		12.78%
Total Bill (including HST)			45.48			48.19	2.71	5.95%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.55		-0.10	-4.82	-0.27	5.95%		-11.11%
Total Bill on TOU (including HST and OCEB)			40.93			43.37	2.44	5.95%		100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	32.20%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	12.52%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	44.72%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		23.32%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		10.18%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		12.14%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	46.19%	45.65%
Service Charge	1	20.15	20.15	1	27.92	27.92	7.77	38.56%	19.21%	18.98%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.15	-1.15	-1.15	0.00%	-0.79%	-0.78%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.27	0.27	0.27	0.00%	0.19%	0.18%
Distribution Volumetric Rate	800	0.0339	27.12	800	0.0315	25.20	-1.92	-7.08%	17.34%	17.13%
Volumetric Smoothing Rider	800	0	0.00	800	-0.0013	-1.04	-1.04	0.00%	-0.72%	-0.71%
Volumetric Deferral/Variance Account Rider	800	0.00107	0.86	800	0.0002	0.16	-0.70	-81.31%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			52.05			51.36	-0.69	-1.32%	35.34%	34.92%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.54%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.09	5.53	61	0.09	5.53	0.00	0.00%	3.81%	3.76%
Line Losses on Cost of Power (based on TOU prices)	61	0.08	5.10	61	0.08	5.10	0.00	0.00%	3.51%	3.47%
Sub-Total: Distribution (based on two-tier RPP prices)			58.37			57.68	-0.69	-1.18%	39.69%	39.22%
Sub-Total: Distribution (based on TOU prices)			57.94			57.25	-0.69	-1.18%	39.39%	38.93%
Retail Transmission Rate – Network Service Rate	861	0.00719	6.19	861	0.0063	5.42	-0.77	-12.38%	3.73%	3.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	861	0.00499	4.30	861	0.0048	4.13	-0.16	-3.81%	2.84%	2.81%
Sub-Total: Retail Transmission			10.48			9.55	-0.93	-8.87%	6.57%	6.50%
Sub-Total: Delivery (excluding pass through)			62.53			60.91	-1.62	-2.58%	41.91%	41.42%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.61%	2.58%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.71%	0.70%
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%	3.49%	3.45%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.85%	3.81%
Total Bill on Two-Tier RPP (before Taxes)			144.52			142.91	-1.62	-1.12%	98.33%	
HST		0.13	18.79		0.13	18.58	-0.21	-1.12%	12.78%	
Total Bill (including HST)			163.31			161.49	-1.83	-1.12%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.33		-0.10	-16.15	0.18	-1.12%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			146.98			145.34	-1.64	-1.12%	100.00%	
Total Bill on TOU (before Taxes)			146.23			144.61	-1.62	-1.10%		98.33%
HST		0.13	19.01		0.13	18.80	-0.21	-1.10%		12.78%
Total Bill (including HST)			165.24			163.41	-1.83	-1.10%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.52		-0.10	-16.34	0.18	-1.10%		-11.11%
Total Bill on TOU (including HST and OCEB)			148.72			147.07	-1.64	-1.10%		100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	14.08%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	38.33%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	52.41%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		26.40%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.53%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.74%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	50.49%	51.67%
Service Charge	1	20.15	20.15	1	27.92	27.92	7.77	38.56%	8.40%	8.59%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.15	-1.15	-1.15	0.00%	-0.35%	-0.35%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.27	0.27	0.27	0.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.0339	67.80	2,000	0.0315	63.00	-4.80	-7.08%	18.95%	19.39%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0013	-2.60	-2.60	0.00%	-0.78%	-0.80%
Volumetric Deferral/Variance Account Rider	2,000	0.00107	2.14	2,000	0.0002	0.40	-1.74	-81.31%	0.12%	0.12%
Sub-Total: Distribution (excluding pass through)			94.01			87.84	-6.17	-6.56%	26.43%	27.04%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.24%	0.24%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.09	13.83	152	0.09	13.83	0.00	0.00%	4.16%	4.26%
Line Losses on Cost of Power (based on TOU prices)	152	0.08	12.76	152	0.08	12.76	0.00	0.00%	3.84%	3.93%
Sub-Total: Distribution (based on two-tier RPP prices)			108.63			102.46	-6.17	-5.68%	30.82%	31.54%
Sub-Total: Distribution (based on TOU prices)			107.56			101.39	-6.17	-5.74%	30.50%	31.21%
Retail Transmission Rate – Network Service Rate	2,152	0.00719	15.47	2,152	0.0063	13.56	-1.92	-12.38%	4.08%	4.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,152	0.00499	10.74	2,152	0.0048	10.33	-0.41	-3.81%	3.11%	3.18%
Sub-Total: Retail Transmission			26.21			23.89	-2.32	-8.87%	7.19%	7.35%
Sub-Total: Delivery (excluding pass through)			120.22			111.73	-8.49	-7.07%	33.61%	34.39%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.85%	2.91%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.78%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.70%	3.79%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.21%	4.31%
Total Bill on Two-Tier RPP (before Taxes)			335.34			326.85	-8.49	-2.53%	98.33%	
HST		0.13	43.59		0.13	42.49	-1.10	-2.53%	12.78%	
Total Bill (including HST)			378.94			369.34	-9.60	-2.53%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.89		-0.10	-36.93	0.96	-2.53%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			341.05			332.41	-8.64	-2.53%	100.00%	
Total Bill on TOU (before Taxes)			327.91			319.41	-8.49	-2.59%		98.33%
HST		0.13	42.63		0.13	41.52	-1.10	-2.59%		12.78%
Total Bill (including HST)			370.54			360.94	-9.60	-2.59%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.05		-0.10	-36.09	0.96	-2.59%		-11.11%
Total Bill on TOU (including HST and OCEB)			333.48			324.84	-8.64	-2.59%		100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	14.72%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	14.72%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		7.99%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		3.49%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		4.16%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	15.83%	15.64%
Service Charge	1	29.11	29.11	1	37.99	37.99	8.88	30.50%	71.68%	70.79%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-2.82	-2.82	-2.82	0.00%	-5.32%	-5.25%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.47	0.47	0.47	0.00%	0.89%	0.88%
Distribution Volumetric Rate	100	0.03724	3.72	100	0.0445	4.45	0.73	19.50%	8.40%	8.29%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0018	-0.18	-0.18	0.00%	-0.34%	-0.34%
Volumetric Deferral/Variance Account Rider	100	0.00208	0.21	100	0.0002	0.02	-0.19	-90.38%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			36.96			39.93	2.97	8.03%	75.34%	74.41%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.49%	1.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.08	0.82	11	0.08	0.82	0.00	0.00%	1.55%	1.53%
Line Losses on Cost of Power (based on TOU prices)	11	0.08	0.88	11	0.08	0.88	0.00	0.00%	1.66%	1.64%
Sub-Total: Distribution (based on two-tier RPP prices)			38.57			41.54	2.97	7.69%	78.38%	77.41%
Sub-Total: Distribution (based on TOU prices)			38.63			41.60	2.97	7.68%	78.50%	77.52%
Retail Transmission Rate – Network Service Rate	111	0.00702	0.78	111	0.0062	0.69	-0.09	-11.68%	1.29%	1.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	111	0.0047	0.52	111	0.0047	0.52	0.00	0.00%	0.98%	0.97%
Sub-Total: Retail Transmission			1.30			1.20	-0.09	-7.00%	2.27%	2.24%
Sub-Total: Delivery (excluding pass through)			38.26			41.13	2.88	7.52%	77.61%	76.65%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.92%	0.91%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	0.00	0.00%	0.25%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.47%	0.47%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.64%	1.62%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.32%	1.30%
Total Bill on Two-Tier RPP (before Taxes)			49.23			52.11	2.88	5.84%	98.33%	
HST		0.13	6.40		0.13	6.77	0.37	5.84%	12.78%	
Total Bill (including HST)			55.64			58.89	3.25	5.84%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.56		-0.10	-5.89	-0.33	5.84%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			50.07			53.00	2.93	5.84%	100.00%	
Total Bill on TOU (before Taxes)			49.89			52.77	2.88	5.77%		98.33%
HST		0.13	6.49		0.13	6.86	0.37	5.77%		12.78%
Total Bill (including HST)			56.37			59.63	3.25	5.77%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.64		-0.10	-5.96	-0.33	5.77%		-11.11%
Total Bill on TOU (including HST and OCEB)			50.74			53.66	2.93	5.77%		100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	28.09%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	10.92%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	39.01%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		20.40%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		8.90%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		10.62%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	40.29%	39.92%
Service Charge	1	29.11	29.11	1	37.99	37.99	8.88	30.50%	22.80%	22.59%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-2.82	-2.82	-2.82	0.00%	-1.69%	-1.68%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.47	0.47	0.47	0.00%	0.28%	0.28%
Distribution Volumetric Rate	800	0.03724	29.79	800	0.0445	35.60	5.81	19.50%	21.37%	21.17%
Volumetric Smoothing Rider	800	0	0.00	800	-0.0018	-1.44	-1.44	0.00%	-0.86%	-0.86%
Volumetric Deferral/Variance Account Rider	800	0.00208	1.66	800	0.0002	0.16	-1.50	-90.38%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			64.49			69.96	5.47	8.49%	41.99%	41.60%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.47%	0.47%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.09	7.64	84	0.09	7.64	0.00	0.00%	4.59%	4.55%
Line Losses on Cost of Power (based on TOU prices)	84	0.08	7.05	84	0.08	7.05	0.00	0.00%	4.23%	4.19%
Sub-Total: Distribution (based on two-tier RPP prices)			72.92			78.39	5.47	7.51%	47.05%	46.61%
Sub-Total: Distribution (based on TOU prices)			72.33			77.80	5.47	7.57%	46.69%	46.26%
Retail Transmission Rate – Network Service Rate	884	0.00702	6.21	884	0.0062	5.48	-0.72	-11.68%	3.29%	3.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	884	0.0047	4.15	884	0.0047	4.15	0.00	0.00%	2.49%	2.47%
Sub-Total: Retail Transmission			10.36			9.64	-0.72	-7.00%	5.78%	5.73%
Sub-Total: Delivery (excluding pass through)			74.85			79.60	4.75	6.35%	47.77%	47.33%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.33%	2.31%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	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%	0.15%	0.15%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	3.12%	3.09%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.36%	3.33%
Total Bill on Two-Tier RPP (before Taxes)			159.08			163.83	4.75	2.99%	98.33%	
HST		0.13	20.68		0.13	21.30	0.62	2.99%	12.78%	
Total Bill (including HST)			179.76			185.13	5.37	2.99%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.98		-0.10	-18.51	-0.54	2.99%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			161.79			166.62	4.83	2.99%	100.00%	
Total Bill on TOU (before Taxes)			160.62			165.37	4.75	2.96%		98.33%
HST		0.13	20.88		0.13	21.50	0.62	2.96%		12.78%
Total Bill (including HST)			181.50			186.87	5.37	2.96%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.15		-0.10	-18.69	-0.54	2.96%		-11.11%
Total Bill on TOU (including HST and OCEB)			163.35			168.18	4.83	2.96%		100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	12.56%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	34.20%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	46.77%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		23.53%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		10.27%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		12.25%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	45.06%	46.05%
Service Charge	1	29.11	29.11	1	37.99	37.99	8.88	30.50%	10.20%	10.42%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-2.82	-2.82	-2.82	0.00%	-0.76%	-0.77%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.47	0.47	0.47	0.00%	0.13%	0.13%
Distribution Volumetric Rate	2,000	0.03724	74.48	2,000	0.0445	89.00	14.52	19.50%	23.89%	24.42%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0018	-3.60	-3.60	0.00%	-0.97%	-0.99%
Volumetric Deferral/Variance Account Rider	2,000	0.00208	4.16	2,000	0.0002	0.40	-3.76	-90.38%	0.11%	0.11%
Sub-Total: Distribution (excluding pass through)			111.67			121.44	9.77	8.75%	32.60%	33.32%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.21%	0.22%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.09	19.11	210	0.09	19.11	0.00	0.00%	5.13%	5.24%
Line Losses on Cost of Power (based on TOU prices)	210	0.08	17.62	210	0.08	17.62	0.00	0.00%	4.73%	4.83%
Sub-Total: Distribution (based on two-tier RPP prices)			131.57			141.34	9.77	7.43%	37.95%	38.78%
Sub-Total: Distribution (based on TOU prices)			130.08			139.85	9.77	7.51%	37.55%	38.37%
Retail Transmission Rate – Network Service Rate	2,210	0.00702	15.51	2,210	0.0062	13.70	-1.81	-11.68%	3.68%	3.76%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,210	0.0047	10.39	2,210	0.0047	10.39	0.00	0.00%	2.79%	2.85%
Sub-Total: Retail Transmission			25.90			24.09	-1.81	-7.00%	6.47%	6.61%
Sub-Total: Delivery (excluding pass through)			137.57			145.53	7.96	5.78%	39.07%	39.93%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.61%	2.67%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	0.00	0.00%	0.71%	0.73%
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			12.63			12.63	0.00	0.00%	3.39%	3.46%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.76%	3.84%
Total Bill on Two-Tier RPP (before Taxes)			358.30			366.26	7.96	2.22%	98.33%	
HST		0.13	46.58		0.13	47.61	1.03	2.22%	12.78%	
Total Bill (including HST)			404.88			413.87	8.99	2.22%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-40.49		-0.10	-41.39	-0.90	2.22%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			364.39			372.48	8.09	2.22%	100.00%	
Total Bill on TOU (before Taxes)			350.45			358.41	7.96	2.27%		98.33%
HST		0.13	45.56		0.13	46.59	1.03	2.27%		12.78%
Total Bill (including HST)			396.01			405.00	8.99	2.27%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.60		-0.10	-40.50	-0.90	2.27%		-11.11%
Total Bill on TOU (including HST and OCEB)			356.41			364.50	8.09	2.27%		100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	10.37%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	10.37%	
TOU-Off Peak	32	0.067	2.14	32	0.067	2.14	0.00	0.00%		5.65%
TOU-Mid Peak	9	0.104	0.94	9	0.104	0.94	0.00	0.00%		2.47%
TOU-On Peak	9	0.124	1.12	9	0.124	1.12	0.00	0.00%		2.94%
Sub-Total: Energy (TOU)			4.20			4.20	0.00	0.00%	11.16%	11.06%
Service Charge	1	19.71	19.71	1	26.78	26.78	7.07	35.87%	71.21%	70.58%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.10	-1.10	-1.10	0.00%	-2.92%	-2.90%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.66%	0.66%
Distribution Volumetric Rate	50	0.08206	4.10	50	0.0938	4.69	0.59	14.31%	12.47%	12.36%
Volumetric Smoothing Rider	50	0	0.00	50	-0.0039	-0.20	-0.20	0.00%	-0.52%	-0.51%
Volumetric Deferral/Variance Account Rider	50	0.00403	0.20	50	0.0005	0.03	-0.18	-87.59%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			27.93			30.45	2.52	9.00%	80.97%	80.26%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.10%	2.08%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.08	0.41	5	0.08	0.41	0.00	0.00%	1.08%	1.07%
Line Losses on Cost of Power (based on TOU prices)	5	0.08	0.44	5	0.08	0.44	0.00	0.00%	1.16%	1.15%
Sub-Total: Distribution (based on two-tier RPP prices)			29.13			31.65	2.52	8.64%	84.15%	83.41%
Sub-Total: Distribution (based on TOU prices)			29.16			31.68	2.52	8.63%	84.23%	83.49%
Retail Transmission Rate – Network Service Rate	55	0.00663	0.37	55	0.005	0.28	-0.09	-24.59%	0.73%	0.73%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0046	0.25	55	0.0045	0.25	-0.01	-2.17%	0.66%	0.65%
Sub-Total: Retail Transmission			0.62			0.52	-0.10	-15.41%	1.39%	1.38%
Sub-Total: Delivery (excluding pass through)			28.55			30.97	2.42	8.48%	82.36%	81.64%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.65%	0.64%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.18%	0.17%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.66%	0.66%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.49%	1.47%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.93%	0.92%
Total Bill on Two-Tier RPP (before Taxes)			34.56			36.98	2.42	7.00%	98.33%	
HST		0.13	4.49		0.13	4.81	0.31	7.00%	12.78%	
Total Bill (including HST)			39.05			41.79	2.73	7.00%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.91		-0.10	-4.18	-0.27	7.00%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			35.15			37.61	2.46	7.00%	100.00%	
Total Bill on TOU (before Taxes)			34.89			37.31	2.42	6.94%		98.33%
HST		0.13	4.54		0.13	4.85	0.31	6.94%	12.78%	
Total Bill (including HST)			39.42			42.16	2.73	6.94%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.94		-0.10	-4.22	-0.27	6.94%	-11.11%	
Total Bill on TOU (including HST and OCEB)			35.48			37.94	2.46	6.94%		100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	31.20	400	0.078	31.20	0.00	0.00%	28.66%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			31.20			31.20	0.00	0.00%	28.66%	
TOU-Off Peak	256	0.067	17.15	256	0.067	17.15	0.00	0.00%		15.38%
TOU-Mid Peak	72	0.104	7.49	72	0.104	7.49	0.00	0.00%		6.71%
TOU-On Peak	72	0.124	8.93	72	0.124	8.93	0.00	0.00%		8.01%
Sub-Total: Energy (TOU)			33.57			33.57	0.00	0.00%	30.84%	30.10%
Service Charge	1	19.71	19.71	1	26.78	26.78	7.07	35.87%	24.60%	24.01%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.10	-1.10	-1.10	0.00%	-1.01%	-0.99%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.23%	0.22%
Distribution Volumetric Rate	400	0.08206	32.82	400	0.0938	37.52	4.70	14.31%	34.47%	33.64%
Volumetric Smoothing Rider	400	0	0.00	400	-0.0039	-1.56	-1.56	0.00%	-1.43%	-1.40%
Volumetric Deferral/Variance Account Rider	400	0.00403	1.61	400	0.0005	0.20	-1.41	-87.59%	0.18%	0.18%
Sub-Total: Distribution (excluding pass through)			58.07			62.09	4.02	6.93%	57.04%	55.68%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.73%	0.71%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.08	3.24	42	0.08	3.24	0.00	0.00%	2.98%	2.91%
Line Losses on Cost of Power (based on TOU prices)	42	0.08	3.49	42	0.08	3.49	0.00	0.00%	3.21%	3.13%
Sub-Total: Distribution (based on two-tier RPP prices)			62.10			66.12	4.02	6.48%	60.74%	59.29%
Sub-Total: Distribution (based on TOU prices)			62.35			66.37	4.02	6.45%	60.97%	59.51%
Retail Transmission Rate – Network Service Rate	442	0.00663	2.93	442	0.005	2.21	-0.72	-24.59%	2.03%	1.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	442	0.0046	2.03	442	0.0045	1.99	-0.04	-2.17%	1.83%	1.78%
Sub-Total: Retail Transmission			4.96			4.20	-0.76	-15.41%	3.85%	3.76%
Sub-Total: Delivery (excluding pass through)			63.03			66.29	3.26	5.17%	60.89%	59.44%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.78%	1.74%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.49%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.23%	0.22%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.50%	2.44%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.57%	2.51%
Total Bill on Two-Tier RPP (before Taxes)			103.78			107.04	3.26	3.14%	98.33%	
HST		0.13	13.49		0.13	13.92	0.42	3.14%	12.78%	
Total Bill (including HST)			117.27			120.96	3.68	3.14%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-11.73		-0.10	-12.10	-0.37	3.14%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			105.55			108.86	3.32	3.14%	100.00%	
Total Bill on TOU (before Taxes)			106.40			109.66	3.26	3.06%		98.33%
HST		0.13	13.83		0.13	14.26	0.42	3.06%		12.78%
Total Bill (including HST)			120.23			123.91	3.68	3.06%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.02		-0.10	-12.39	-0.37	3.06%		-11.11%
Total Bill on TOU (including HST and OCEB)			108.21			111.52	3.32	3.06%		100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	19.69%	
Energy Second Tier (kWh)	400	0.091	36.40	400	0.091	36.40	0.00	0.00%	15.31%	
Sub-Total: Energy (RPP)			83.20			83.20	0.00	0.00%	35.01%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		18.04%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		7.88%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		9.39%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	35.31%	35.31%
Service Charge	1	19.71	19.71	1	26.78	26.78	7.07	35.87%	11.27%	11.27%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.10	-1.10	-1.10	0.00%	-0.46%	-0.46%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.11%	0.11%
Distribution Volumetric Rate	1,000	0.08206	82.06	1,000	0.0938	93.80	11.74	14.31%	39.47%	39.47%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0039	-3.90	-3.90	0.00%	-1.64%	-1.64%
Volumetric Deferral/Variance Account Rider	1,000	0.00403	4.03	1,000	0.0005	0.50	-3.53	-87.59%	0.21%	0.21%
Sub-Total: Distribution (excluding pass through)			109.72			116.33	6.61	6.02%	48.94%	48.95%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.33%	0.33%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.09	9.46	104	0.09	9.46	0.00	0.00%	3.98%	3.98%
Line Losses on Cost of Power (based on TOU prices)	104	0.08	8.73	104	0.08	8.73	0.00	0.00%	3.67%	3.67%
Sub-Total: Distribution (based on two-tier RPP prices)			119.97			126.58	6.61	5.51%	53.26%	53.26%
Sub-Total: Distribution (based on TOU prices)			119.24			125.85	6.61	5.54%	52.95%	52.95%
Retail Transmission Rate – Network Service Rate	1,104	0.00663	7.32	1,104	0.005	5.52	-1.80	-24.59%	2.32%	2.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0046	5.08	1,104	0.0045	4.97	-0.11	-2.17%	2.09%	2.09%
Sub-Total: Retail Transmission			12.40			10.49	-1.91	-15.41%	4.41%	4.41%
Sub-Total: Delivery (excluding pass through)			122.12			126.82	4.70	3.85%	53.36%	53.36%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	2.04%	2.04%
Rural Rate Protection Charge	1,104	0.0012	1.32	1,104	0.0012	1.32	0.00	0.00%	0.56%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			6.43			6.43	0.00	0.00%	2.71%	2.71%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.95%	2.95%
Total Bill on Two-Tier RPP (before Taxes)			229.00			233.70	4.70	2.05%	98.33%	
HST		0.13	29.77		0.13	30.38	0.61	2.05%	12.78%	
Total Bill (including HST)			258.77			264.09	5.31	2.05%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-25.88		-0.10	-26.41	-0.53	2.05%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			232.90			237.68	4.78	2.05%	100.00%	
Total Bill on TOU (before Taxes)			228.99			233.69	4.70	2.05%		98.33%
HST		0.13	29.77		0.13	30.38	0.61	2.05%		12.78%
Total Bill (including HST)			258.76			264.07	5.31	2.05%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-25.88		-0.10	-26.41	-0.53	2.05%		-11.11%
Total Bill on TOU (including HST and OCEB)			232.88			237.66	4.78	2.05%		100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	29.44%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	11.45%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	40.89%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		21.36%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		9.32%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		11.12%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	42.23%	41.80%
Service Charge	1	35.92	35.92	1	28.96	28.96	-6.96	-19.38%	14.57%	14.43%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.19	-1.19	-1.19	0.00%	-0.60%	-0.59%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.26	0.26	0.26	0.00%	0.13%	0.13%
Distribution Volumetric Rate	1,000	0.04025	40.25	1,000	0.0548	54.80	14.55	36.15%	27.58%	27.30%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0023	-2.30	-2.30	0.00%	-1.16%	-1.15%
Volumetric Deferral/Variance Account Rider	1,000	0.00115	1.15	1,000	0.0003	0.30	-0.85	-73.91%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			81.24			80.83	-0.41	-0.50%	40.67%	40.26%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.40%	0.39%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.09	8.74	96	0.09	8.74	0.00	0.00%	4.40%	4.35%
Line Losses on Cost of Power (based on TOU prices)	96	0.08	8.06	96	0.08	8.06	0.00	0.00%	4.05%	4.01%
Sub-Total: Distribution (based on two-tier RPP prices)			90.77			90.36	-0.41	-0.45%	45.47%	45.01%
Sub-Total: Distribution (based on TOU prices)			90.09			89.68	-0.41	-0.46%	45.13%	44.67%
Retail Transmission Rate – Network Service Rate	1,096	0.00527	5.78	1,096	0.0058	6.36	0.58	10.06%	3.20%	3.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0035	3.84	1,096	0.0037	4.06	0.22	5.71%	2.04%	2.02%
Sub-Total: Retail Transmission			9.61			10.41	0.80	8.32%	5.24%	5.19%
Sub-Total: Delivery (excluding pass through)			90.85			91.24	0.39	0.43%	45.91%	45.45%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.43%	2.40%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.66%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.12%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	3.21%	3.18%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.52%	3.49%
Total Bill on Two-Tier RPP (before Taxes)			195.02			195.41	0.39	0.20%	98.33%	
HST		0.13	25.35		0.13	25.40	0.05	0.20%	12.78%	
Total Bill (including HST)			220.37			220.81	0.44	0.20%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.04		-0.10	-22.08	-0.04	0.20%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			198.33			198.73	0.40	0.20%	100.00%	
Total Bill on TOU (before Taxes)			197.01			197.40	0.39	0.20%		98.33%
HST		0.13	25.61		0.13	25.66	0.05	0.20%		12.78%
Total Bill (including HST)			222.62			223.06	0.44	0.20%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.26		-0.10	-22.31	-0.04	0.20%		-11.11%
Total Bill on TOU (including HST and OCEB)			200.35			200.75	0.40	0.20%		100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	15.48%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	30.11%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	45.59%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		23.06%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		10.07%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		12.00%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	44.42%	45.13%
Service Charge	1	35.92	35.92	1	28.96	28.96	-6.96	-19.38%	7.67%	7.79%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.19	-1.19	-1.19	0.00%	-0.31%	-0.32%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.26	0.26	0.26	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.04025	80.50	2,000	0.0548	109.60	29.10	36.15%	29.01%	29.47%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0023	-4.60	-4.60	0.00%	-1.22%	-1.24%
Volumetric Deferral/Variance Account Rider	2,000	0.00115	2.30	2,000	0.0003	0.60	-1.70	-73.91%	0.16%	0.16%
Sub-Total: Distribution (excluding pass through)			122.64			133.63	10.99	8.96%	35.37%	35.93%
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)	192	0.09	17.47	192	0.09	17.47	0.00	0.00%	4.62%	4.70%
Line Losses on Cost of Power (based on TOU prices)	192	0.08	16.11	192	0.08	16.11	0.00	0.00%	4.26%	4.33%
Sub-Total: Distribution (based on two-tier RPP prices)			140.90			151.89	10.99	7.80%	40.20%	40.84%
Sub-Total: Distribution (based on TOU prices)			139.54			150.53	10.99	7.88%	39.84%	40.47%
Retail Transmission Rate – Network Service Rate	2,192	0.00527	11.55	2,192	0.0058	12.71	1.16	10.06%	3.37%	3.42%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0035	7.67	2,192	0.0037	8.11	0.44	5.71%	2.15%	2.18%
Sub-Total: Retail Transmission			19.22			20.82	1.60	8.32%	5.51%	5.60%
Sub-Total: Delivery (excluding pass through)			141.86			154.45	12.59	8.87%	40.88%	41.53%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.55%	2.59%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.70%	0.71%
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			12.53			12.53	0.00	0.00%	3.32%	3.37%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.71%	3.76%
Total Bill on Two-Tier RPP (before Taxes)			358.90			371.49	12.59	3.51%	98.33%	
HST		0.13	46.66		0.13	48.29	1.64	3.51%	12.78%	
Total Bill (including HST)			405.56			419.79	14.23	3.51%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-40.56		-0.10	-41.98	-1.42	3.51%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			365.00			377.81	12.80	3.51%	100.00%	
Total Bill on TOU (before Taxes)			353.13			365.72	12.59	3.57%		98.33%
HST		0.13	45.91		0.13	47.54	1.64	3.57%		12.78%
Total Bill (including HST)			399.04			413.27	14.23	3.57%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.90		-0.10	-41.33	-1.42	3.57%		-11.11%
Total Bill on TOU (including HST and OCEB)			359.13			371.94	12.80	3.57%		100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	1.99%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	44.04%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	46.02%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		22.76%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		9.94%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		11.85%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	42.75%	44.55%
Service Charge	1	35.92	35.92	1	28.96	28.96	-6.96	-19.38%	0.98%	1.02%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.19	-1.19	-1.19	0.00%	-0.04%	-0.04%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.26	0.26	0.26	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.04025	603.75	15,000	0.0548	822.00	218.25	36.15%	27.92%	29.09%
Volumetric Smoothing Rider	15,000	0	0.00	15,000	-0.0023	-34.50	-34.50	0.00%	-1.17%	-1.22%
Volumetric Deferral/Variance Account Rider	15,000	0.00115	17.25	15,000	0.0003	4.50	-12.75	-73.91%	0.15%	0.16%
Sub-Total: Distribution (excluding pass through)			660.84			820.03	159.19	24.09%	27.85%	29.02%
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)	1,440	0.09	131.04	1,440	0.09	131.04	0.00	0.00%	4.45%	4.64%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.08	120.84	1,440	0.08	120.84	0.00	0.00%	4.10%	4.28%
Sub-Total: Distribution (based on two-tier RPP prices)			792.67			951.86	159.19	20.08%	32.33%	33.69%
Sub-Total: Distribution (based on TOU prices)			782.47			941.66	159.19	20.34%	31.98%	33.33%
Retail Transmission Rate – Network Service Rate	16,440	0.00527	86.64	16,440	0.0058	95.35	8.71	10.06%	3.24%	3.37%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0035	57.54	16,440	0.0037	60.83	3.29	5.71%	2.07%	2.15%
Sub-Total: Retail Transmission			144.18			156.18	12.00	8.32%	5.30%	5.53%
Sub-Total: Delivery (excluding pass through)			805.02			976.21	171.19	21.27%	33.15%	34.55%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.46%	2.56%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.67%	0.70%
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			92.31			92.31	0.00	0.00%	3.14%	3.27%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.57%	3.72%
Total Bill on Two-Tier RPP (before Taxes)			2,489.41			2,660.60	171.19	6.88%	90.36%	
HST		0.13	323.62		0.13	345.88	22.25	6.88%	11.75%	
Total Bill (including HST)			2,813.04			3,006.48	193.45	6.88%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-59.07		-0.10	-61.88	-2.80	4.74%	-2.10%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,753.96			2,944.61	190.64	6.92%	100.00%	
Total Bill on TOU (before Taxes)			2,382.77			2,553.96	171.19	7.18%		90.39%
HST		0.13	309.76		0.13	332.01	22.25	7.18%		11.75%
Total Bill (including HST)			2,692.53			2,885.97	193.45	7.18%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-57.55		-0.10	-60.35	-2.80	4.87%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,634.98			2,825.63	190.64	7.24%		100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	36.49%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	14.19%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	50.69%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		26.38%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		11.52%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		13.73%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	52.35%	51.63%
Service Charge	1	10.2	10.20	1	22.48	22.48	12.28	120.39%	14.02%	13.83%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.92	-0.92	-0.92	0.00%	-0.57%	-0.57%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.22	0.22	0.22	0.00%	0.14%	0.14%
Distribution Volumetric Rate	1,000	0.01684	16.84	1,000	0.0246	24.60	7.76	46.08%	15.35%	15.14%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.001	-1.00	-1.00	0.00%	-0.62%	-0.62%
Volumetric Deferral/Variance Account Rider	1,000	-0.00026	-0.26	1,000	0.0001	0.10	0.36	-138.46%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			30.70			45.48	14.78	48.14%	28.37%	27.98%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.49%	0.49%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.09	6.10	67	0.09	6.10	0.00	0.00%	3.80%	3.75%
Line Losses on Cost of Power (based on TOU prices)	67	0.08	5.62	67	0.08	5.62	0.00	0.00%	3.51%	3.46%
Sub-Total: Distribution (based on two-tier RPP prices)			37.59			52.37	14.78	39.32%	32.67%	32.22%
Sub-Total: Distribution (based on TOU prices)			37.11			51.89	14.78	39.82%	32.37%	31.93%
Retail Transmission Rate – Network Service Rate	1,067	0.00544	5.80	1,067	0.0062	6.62	0.81	13.97%	4.13%	4.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.00358	3.82	1,067	0.0039	4.16	0.34	8.94%	2.60%	2.56%
Sub-Total: Retail Transmission			9.62			10.78	1.15	11.97%	6.72%	6.63%
Sub-Total: Delivery (excluding pass through)			40.32			56.26	15.93	39.51%	35.09%	34.61%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.93%	2.89%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	0.00	0.00%	0.80%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.16%	0.15%
Sub-Total: Regulatory			6.23			6.23	0.00	0.00%	3.88%	3.83%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	4.37%	4.31%
Total Bill on Two-Tier RPP (before Taxes)			141.69			157.62	15.93	11.24%	98.33%	
HST		0.13	18.42		0.13	20.49	2.07	11.24%	12.78%	
Total Bill (including HST)			160.11			178.11	18.00	11.24%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.01		-0.10	-17.81	-1.80	11.24%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			144.10			160.30	16.20	11.24%	100.00%	
Total Bill on TOU (before Taxes)			143.88			159.81	15.93	11.07%		98.33%
HST		0.13	18.70		0.13	20.78	2.07	11.07%	12.78%	
Total Bill (including HST)			162.59			180.59	18.00	11.07%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.26		-0.10	-18.06	-1.80	11.07%	-11.11%	
Total Bill on TOU (including HST and OCEB)			146.33			162.53	16.20	11.07%		100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	19.04%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	37.02%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	56.05%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		28.41%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.40%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		14.79%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	54.62%	55.60%
Service Charge	1	10.2	10.20	1	22.48	22.48	12.28	120.39%	7.32%	7.45%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.92	-0.92	-0.92	0.00%	-0.30%	-0.30%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.22	0.22	0.22	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.01684	33.68	2,000	0.0246	49.20	15.52	46.08%	16.01%	16.30%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.001	-2.00	-2.00	0.00%	-0.65%	-0.66%
Volumetric Deferral/Variance Account Rider	2,000	-0.00026	-0.52	2,000	0.0001	0.20	0.72	-138.46%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			47.28			69.18	21.90	46.32%	22.51%	22.92%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.26%	0.26%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.09	12.19	134	0.09	12.19	0.00	0.00%	3.97%	4.04%
Line Losses on Cost of Power (based on TOU prices)	134	0.08	11.25	134	0.08	11.25	0.00	0.00%	3.66%	3.73%
Sub-Total: Distribution (based on two-tier RPP prices)			60.26			82.16	21.90	36.34%	26.74%	27.22%
Sub-Total: Distribution (based on TOU prices)			59.32			81.22	21.90	36.92%	26.43%	26.91%
Retail Transmission Rate – Network Service Rate	2,134	0.00544	11.61	2,134	0.0062	13.23	1.62	13.97%	4.31%	4.38%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.00358	7.64	2,134	0.0039	8.32	0.68	8.94%	2.71%	2.76%
Sub-Total: Retail Transmission			19.25			21.55	2.30	11.97%	7.01%	7.14%
Sub-Total: Delivery (excluding pass through)			66.53			90.73	24.20	36.38%	29.53%	30.06%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	3.06%	3.11%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	0.00	0.00%	0.83%	0.85%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			12.20			12.20	0.00	0.00%	3.97%	4.04%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.56%	4.64%
Total Bill on Two-Tier RPP (before Taxes)			277.96			302.17	24.20	8.71%	98.33%	
HST		0.13	36.14		0.13	39.28	3.15	8.71%	12.78%	
Total Bill (including HST)			314.10			341.45	27.35	8.71%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-31.41		-0.10	-34.14	-2.74	8.71%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			282.69			307.30	24.62	8.71%	100.00%	
Total Bill on TOU (before Taxes)			272.60			296.81	24.20	8.88%		98.33%
HST		0.13	35.44		0.13	38.59	3.15	8.88%		12.78%
Total Bill (including HST)			308.04			335.39	27.35	8.88%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-30.80		-0.10	-33.54	-2.74	8.88%		-11.11%
Total Bill on TOU (including HST and OCEB)			277.24			301.85	24.62	8.88%		100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	2.42%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	53.71%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	56.13%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		27.98%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		12.21%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		14.56%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	52.14%	54.76%
Service Charge	1	10.2	10.20	1	22.48	22.48	12.28	120.39%	0.93%	0.98%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.92	-0.92	-0.92	0.00%	-0.04%	-0.04%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.22	0.22	0.22	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.01684	252.60	15,000	0.0246	369.00	116.40	46.08%	15.28%	16.05%
Volumetric Smoothing Rider	15,000	0	0.00	15,000	-0.001	-15.00	-15.00	0.00%	-0.62%	-0.65%
Volumetric Deferral/Variance Account Rider	15,000	-0.00026	-3.90	15,000	0.0001	1.50	5.40	-138.46%	0.06%	0.07%
Sub-Total: Distribution (excluding pass through)			262.82			377.28	114.46	43.55%	15.63%	16.41%
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	0.09	91.46	1,005	0.09	91.46	0.00	0.00%	3.79%	3.98%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.08	84.34	1,005	0.08	84.34	0.00	0.00%	3.49%	3.67%
Sub-Total: Distribution (based on two-tier RPP prices)			355.07			469.53	114.46	32.24%	19.45%	20.42%
Sub-Total: Distribution (based on TOU prices)			347.95			462.41	114.46	32.90%	19.15%	20.12%
Retail Transmission Rate – Network Service Rate	16,005	0.00544	87.07	16,005	0.0062	99.23	12.16	13.97%	4.11%	4.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.00358	57.30	16,005	0.0039	62.42	5.12	8.94%	2.59%	2.72%
Sub-Total: Retail Transmission			144.37			161.65	17.29	11.97%	6.70%	7.03%
Sub-Total: Delivery (excluding pass through)			407.19			538.93	131.75	32.36%	22.32%	23.44%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.92%	3.06%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.80%	0.84%
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			89.88			89.88	0.00	0.00%	3.72%	3.91%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.35%	4.57%
Total Bill on Two-Tier RPP (before Taxes)			2,049.56			2,181.30	131.75	6.43%	90.35%	
HST		0.13	266.44		0.13	283.57	17.13	6.43%	11.74%	
Total Bill (including HST)			2,316.00			2,464.87	148.87	6.43%	102.09%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.81		-0.10	-50.48	-3.67	7.84%	-2.09%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,269.19			2,414.39	145.20	6.40%	100.00%	
Total Bill on TOU (before Taxes)			1,945.99			2,077.74	131.75	6.77%		90.38%
HST		0.13	252.98		0.13	270.11	17.13	6.77%		11.75%
Total Bill (including HST)			2,198.97			2,347.84	148.87	6.77%		102.13%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.35		-0.10	-49.02	-3.67	8.09%		-2.13%
Total Bill on TOU (including HST and OCEB)			2,153.62			2,298.82	145.20	6.74%		100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	32.57%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	32.57%
Service Charge	1	1.47	1.47	1	4.01	4.01	2.54	172.79%	16.75%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.17	-0.17	-0.17	0.00%	-0.71%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.03	0.03	0.03	0.00%	0.13%
Distribution Volumetric Rate	100	0.07288	7.29	100	0.0912	9.12	1.83	25.14%	38.08%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0037	-0.37	-0.37	0.00%	-1.55%
Volumetric Deferral/Variance Account Rider	100	0.00133	0.13	100	0.0005	0.05	-0.08	-62.41%	0.21%
Sub-Total: Distribution (excluding pass through)			8.89			12.67	3.78	42.50%	52.91%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	3.00%
Sub-Total: Distribution			9.61			13.39	3.78	39.33%	55.91%
Retail Transmission Rate – Network Service Rate	109	0.00442	0.48	109	0.0039	0.43	-0.06	-11.76%	1.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.00297	0.32	109	0.0034	0.37	0.05	14.48%	1.55%
Sub-Total: Retail Transmission			0.81			0.80	-0.01	-1.22%	3.33%
Sub-Total: Delivery (excluding pass through)			9.70			13.47	3.77	38.87%	56.24%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	2.01%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	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%	1.04%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.60%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.92%
Total Bill on Two-Tier RPP (before Taxes)			19.78			23.55	3.77	19.06%	98.33%
HST		0.13	2.57		0.13	3.06	0.49	19.06%	12.78%
Total Bill (including HST)			22.35			26.61	4.26	19.06%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.23		-0.10	-2.66	-0.43	19.06%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			20.11			23.95	3.83	19.06%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	37.87%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	37.87%
Service Charge	1	1.47	1.47	1	4.01	4.01	2.54	172.79%	3.89%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.17	-0.17	-0.17	0.00%	-0.17%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.03	0.03	0.03	0.00%	0.03%
Distribution Volumetric Rate	500	0.07288	36.44	500	0.0912	45.60	9.16	25.14%	44.28%
Volumetric Smoothing Rider	500	0	0.00	500	-0.0037	-1.85	-1.85	0.00%	-1.80%
Volumetric Deferral/Variance Account Rider	500	0.00133	0.67	500	0.0005	0.25	-0.42	-62.41%	0.24%
Sub-Total: Distribution (excluding pass through)			38.58			47.87	9.30	24.10%	46.49%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.48%
Sub-Total: Distribution			42.16			51.46	9.30	22.05%	49.97%
Retail Transmission Rate – Network Service Rate	546	0.00442	2.41	546	0.0039	2.13	-0.28	-11.76%	2.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.00297	1.62	546	0.0034	1.86	0.23	14.48%	1.80%
Sub-Total: Retail Transmission			4.03			3.99	-0.05	-1.22%	3.87%
Sub-Total: Delivery (excluding pass through)			42.61			51.86	9.25	21.70%	50.36%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.33%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.24%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	3.21%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.40%
Total Bill on Two-Tier RPP (before Taxes)			92.01			101.25	9.25	10.05%	98.33%
HST		0.13	11.96		0.13	13.16	1.20	10.05%	12.78%
Total Bill (including HST)			103.97			114.41	10.45	10.05%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-10.40		-0.10	-11.44	-1.04	10.05%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			93.57			102.97	9.40	10.05%	100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	13.99%
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	27.19%
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	41.18%
Service Charge	1	1.47	1.47	1	4.01	4.01	2.54	172.79%	0.96%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.17	-0.17	-0.17	0.00%	-0.04%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.03	0.03	0.03	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.07288	145.76	2,000	0.0912	182.40	36.64	25.14%	43.61%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0037	-7.40	-7.40	0.00%	-1.77%
Volumetric Deferral/Variance Account Rider	2,000	0.00133	2.66	2,000	0.0005	1.00	-1.66	-62.41%	0.24%
Sub-Total: Distribution (excluding pass through)			149.89			179.87	29.98	20.00%	43.00%
Line Losses on Cost of Power	184	0.09	16.74	184	0.09	16.74	0.00	0.00%	4.00%
Sub-Total: Distribution			166.63			196.61	29.98	17.99%	47.01%
Retail Transmission Rate – Network Service Rate	2,184	0.00442	9.65	2,184	0.0039	8.52	-1.14	-11.76%	2.04%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,184	0.00297	6.49	2,184	0.0034	7.43	0.94	14.48%	1.78%
Sub-Total: Retail Transmission			16.14			15.94	-0.20	-1.22%	3.81%
Sub-Total: Delivery (excluding pass through)			166.03			195.81	29.78	17.94%	46.81%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.30%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,184	0.0012	2.62	0.00	0.00%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			12.48			12.48	0.00	0.00%	2.98%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.35%
Total Bill on Two-Tier RPP (before Taxes)			381.50			411.29	29.78	7.81%	98.33%
HST		0.13	49.60		0.13	53.47	3.87	7.81%	12.78%
Total Bill (including HST)			431.10			464.75	33.66	7.81%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-43.11		-0.10	-46.48	-3.37	7.81%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			387.99			418.28	30.29	7.81%	100.00%

2015 Bill Impacts (Low Consumption Level)

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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	0.078	1.56	20	0.078	1.56	0.00	0.00%	21.84%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.56			1.56	0.00	0.00%	21.84%
Service Charge	1	1.5	1.50	1	2.42	2.42	0.92	61.33%	33.88%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.1	-0.10	-0.10	0.00%	-1.40%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.02	0.02	0.02	0.00%	0.28%
Distribution Volumetric Rate	20	0.09986	2.00	20	0.1197	2.39	0.40	19.87%	33.52%
Volumetric Smoothing Rider	20	0	0.00	20	-0.0049	-0.10	-0.10	0.00%	-1.37%
Volumetric Deferral/Variance Account Rider	20	0.00318	0.06	20	0.0006	0.01	-0.05	-81.13%	0.17%
Sub-Total: Distribution (excluding pass through)			3.56			4.65	1.09	30.53%	65.07%
Line Losses on Cost of Power	2	0.08	0.14	2	0.08	0.14	0.00	0.00%	2.01%
Sub-Total: Distribution			3.70			4.79	1.09	29.35%	67.08%
Retail Transmission Rate – Network Service Rate	22	0.00442	0.10	22	0.0039	0.09	-0.01	-11.76%	1.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	22	0.00297	0.06	22	0.0034	0.07	0.01	14.48%	1.04%
Sub-Total: Retail Transmission			0.16			0.16	0.00	-1.22%	2.23%
Sub-Total: Delivery (excluding pass through)			3.72			4.81	1.09	29.16%	67.31%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.35%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	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%	3.50%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	5.21%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.96%
Total Bill on Two-Tier RPP (before Taxes)			5.94			7.02	1.09	18.28%	98.33%
HST		0.13	0.77		0.13	0.91	0.14	18.28%	12.78%
Total Bill (including HST)			6.71			7.94	1.23	18.28%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.67		-0.10	-0.79	-0.12	18.28%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			6.04			7.14	1.10	18.28%	100.00%

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	28.05%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	28.05%
Service Charge	1	1.5	1.50	1	2.42	2.42	0.92	61.33%	17.40%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.1	-0.10	-0.10	0.00%	-0.72%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.02	0.02	0.02	0.00%	0.14%
Distribution Volumetric Rate	50	0.09986	4.99	50	0.1197	5.99	0.99	19.87%	43.04%
Volumetric Smoothing Rider	50	0	0.00	50	-0.0049	-0.25	-0.25	0.00%	-1.76%
Volumetric Deferral/Variance Account Rider	50	0.00318	0.16	50	0.0006	0.03	-0.13	-81.13%	0.22%
Sub-Total: Distribution (excluding pass through)			6.65			8.11	1.46	21.92%	58.32%
Line Losses on Cost of Power	5	0.08	0.36	5	0.08	0.36	0.00	0.00%	2.58%
Sub-Total: Distribution			7.01			8.47	1.46	20.80%	60.90%
Retail Transmission Rate – Network Service Rate	55	0.00442	0.24	55	0.0039	0.21	-0.03	-11.76%	1.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.00297	0.16	55	0.0034	0.19	0.02	14.48%	1.34%
Sub-Total: Retail Transmission			0.40			0.40	0.00	-1.22%	2.87%
Sub-Total: Delivery (excluding pass through)			7.06			8.51	1.45	20.60%	61.19%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.73%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.80%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	4.00%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.52%
Total Bill on Two-Tier RPP (before Taxes)			12.22			13.67	1.45	11.89%	98.33%
HST		0.13	1.59		0.13	1.78	0.19	11.89%	12.78%
Total Bill (including HST)			13.81			15.45	1.64	11.89%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.38		-0.10	-1.55	-0.16	11.89%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			12.43			13.91	1.48	11.89%	100.00%

2015 Bill Impacts (High Consumption Level)

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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	0.078	15.60	200	0.078	15.60	0.00	0.00%	32.69%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15.60			15.60	0.00	0.00%	32.69%
Service Charge	1	1.5	1.50	1	2.42	2.42	0.92	61.33%	5.07%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-0.1	-0.10	-0.10	0.00%	-0.21%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.02	0.02	0.02	0.00%	0.04%
Distribution Volumetric Rate	200	0.09986	19.97	200	0.1197	23.94	3.97	19.87%	50.17%
Volumetric Smoothing Rider	200	0	0.00	200	-0.0049	-0.98	-0.98	0.00%	-2.05%
Volumetric Deferral/Variance Account Rider	200	0.00318	0.64	200	0.0006	0.12	-0.52	-81.13%	0.25%
Sub-Total: Distribution (excluding pass through)			22.11			25.42	3.31	14.98%	53.27%
Line Losses on Cost of Power	18	0.08	1.44	18	0.08	1.44	0.00	0.00%	3.01%
Sub-Total: Distribution			23.54			26.86	3.31	14.07%	56.28%
Retail Transmission Rate – Network Service Rate	218	0.00442	0.97	218	0.0039	0.85	-0.11	-11.76%	1.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.00297	0.65	218	0.0034	0.74	0.09	14.48%	1.56%
Sub-Total: Retail Transmission			1.61			1.59	-0.02	-1.22%	3.34%
Sub-Total: Delivery (excluding pass through)			23.72			27.01	3.29	13.88%	56.61%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	2.01%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	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%	0.52%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	3.09%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.93%
Total Bill on Two-Tier RPP (before Taxes)			43.63			46.92	3.29	7.55%	98.33%
HST		0.13	5.67		0.13	6.10	0.43	7.55%	12.78%
Total Bill (including HST)			49.30			53.02	3.72	7.55%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.93		-0.10	-5.30	-0.37	7.55%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			44.37			47.72	3.35	7.55%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	14.83%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	14.83%
Service Charge	1	29.69	29.69	1	39.14	39.14	9.45	31.83%	74.39%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.61	-1.61	-1.61	0.00%	-3.06%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.28	0.28	0.28	0.00%	0.53%
Distribution Volumetric Rate	100	0.04025	4.03	100	0.0309	3.09	-0.94	-23.23%	5.87%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0013	-0.13	-0.13	0.00%	-0.25%
Volumetric Deferral/Variance Account Rider	100	0.00115	0.12	100	0.0002	0.02	-0.10	-82.61%	0.04%
Sub-Total: Distribution (excluding pass through)			33.83			40.79	6.96	20.57%	77.53%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	1.36%
Sub-Total: Distribution			34.55			41.51	6.96	20.15%	78.89%
Retail Transmission Rate – Network Service Rate	109	0.00527	0.58	109	0.0047	0.51	-0.06	-10.82%	0.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0035	0.38	109	0.0032	0.35	-0.03	-8.57%	0.66%
Sub-Total: Retail Transmission			0.96			0.86	-0.10	-9.92%	1.64%
Sub-Total: Delivery (excluding pass through)			34.79			41.65	6.86	19.73%	79.17%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.91%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.48%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.64%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.33%
Total Bill on Two-Tier RPP (before Taxes)			44.87			51.73	6.86	15.30%	98.33%
HST		0.13	5.83		0.13	6.73	0.89	15.30%	12.78%
Total Bill (including HST)			50.70			58.46	7.76	15.30%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.07		-0.10	-5.85	-0.78	15.30%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			45.63			52.61	6.98	15.30%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	36.03%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	36.03%
Service Charge	1	29.69	29.69	1	39.14	39.14	9.45	31.83%	36.16%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.61	-1.61	-1.61	0.00%	-1.49%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.28	0.28	0.28	0.00%	0.26%
Distribution Volumetric Rate	500	0.04025	20.13	500	0.0309	15.45	-4.68	-23.23%	14.28%
Volumetric Smoothing Rider	500	0	0.00	500	-0.0013	-0.65	-0.65	0.00%	-0.60%
Volumetric Deferral/Variance Account Rider	500	0.00115	0.58	500	0.0002	0.10	-0.48	-82.61%	0.09%
Sub-Total: Distribution (excluding pass through)			50.39			52.71	2.32	4.60%	48.70%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.32%
Sub-Total: Distribution			53.98			56.30	2.32	4.30%	52.02%
Retail Transmission Rate – Network Service Rate	546	0.00527	2.88	546	0.0047	2.57	-0.31	-10.82%	2.37%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0035	1.91	546	0.0032	1.75	-0.16	-8.57%	1.61%
Sub-Total: Retail Transmission			4.79			4.31	-0.48	-9.92%	3.99%
Sub-Total: Delivery (excluding pass through)			55.18			57.02	1.84	3.34%	52.69%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.22%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.23%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	3.06%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.23%
Total Bill on Two-Tier RPP (before Taxes)			104.57			106.42	1.84	1.76%	98.33%
HST		0.13	13.59		0.13	13.83	0.24	1.76%	12.78%
Total Bill (including HST)			118.17			120.25	2.08	1.76%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-11.82		-0.10	-12.03	-0.21	1.76%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			106.35			108.23	1.88	1.76%	100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	32.10%
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	12.48%
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	44.58%
Service Charge	1	29.69	29.69	1	39.14	39.14	9.45	31.83%	21.47%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-1.61	-1.61	-1.61	0.00%	-0.88%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.28	0.28	0.28	0.00%	0.15%
Distribution Volumetric Rate	1,000	0.04025	40.25	1,000	0.0309	30.90	-9.35	-23.23%	16.95%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0013	-1.30	-1.30	0.00%	-0.71%
Volumetric Deferral/Variance Account Rider	1,000	0.00115	1.15	1,000	0.0002	0.20	-0.95	-82.61%	0.11%
Sub-Total: Distribution (excluding pass through)			71.09			67.61	-3.48	-4.90%	37.09%
Line Losses on Cost of Power	92	0.09	8.37	92	0.09	8.37	0.00	0.00%	4.59%
Sub-Total: Distribution			79.46			75.98	-3.48	-4.38%	41.69%
Retail Transmission Rate – Network Service Rate	1,092	0.00527	5.75	1,092	0.0047	5.13	-0.62	-10.82%	2.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0035	3.82	1,092	0.0032	3.49	-0.33	-8.57%	1.92%
Sub-Total: Retail Transmission			9.58			8.63	-0.95	-9.92%	4.73%
Sub-Total: Delivery (excluding pass through)			80.67			76.24	-4.43	-5.49%	41.83%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.64%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	0.00	0.00%	0.72%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.49%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.84%
Total Bill on Two-Tier RPP (before Taxes)			183.65			179.22	-4.43	-2.41%	98.33%
HST		0.13	23.88		0.13	23.30	-0.58	-2.41%	12.78%
Total Bill (including HST)			207.53			202.52	-5.01	-2.41%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.75		-0.10	-20.25	0.50	-2.41%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			186.78			182.27	-4.51	-2.41%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	40.96%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	40.96%
Service Charge	1	52.27	52.27	1	82.14	82.14	29.87	57.15%	2.88%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-3.38	-3.38	-3.38	0.00%	-0.12%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.49	0.49	0.49	0.00%	0.02%
Distribution Volumetric Rate	60	11.433	685.98	60	14.5768	874.61	188.63	27.50%	30.62%
Volumetric Smoothing Rider	60	0	0.00	60	-0.5993	-35.96	-35.96	0.00%	-1.26%
Volumetric Deferral/Variance Account Rider	60	0.098	5.88	60	0.0608	3.65	-2.23	-37.96%	0.13%
Sub-Total: Distribution (excluding pass through)			748.05			921.55	173.50	23.19%	32.26%
Line Losses on Cost of Power	915	0.08	71.37	915	0.08	71.37	0.00	0.00%	2.50%
Sub-Total: Distribution			819.42			992.92	173.50	21.17%	34.76%
Retail Transmission Rate – Network Service Rate	60	1.81	108.60	60	1.6926	101.56	-7.04	-6.49%	3.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.18	70.80	60	1.1477	68.86	-1.94	-2.74%	2.41%
Sub-Total: Retail Transmission			179.40			170.42	-8.98	-5.01%	5.97%
Sub-Total: Delivery			927.45			1,091.97	164.52	17.74%	38.23%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.45%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	0.00	0.00%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			89.37			89.37	0.00	0.00%	3.13%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.68%
Total Bill (before Taxes)			2,363.19			2,527.71	164.52	6.96%	88.50%
HST		0.13	307.22		0.13	328.60	21.39	6.96%	11.50%
Total Bill (including HST)			2,670.41			2,856.31	185.90	6.96%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			2,670.41			2,856.31	185.90	6.96%	100.00%

2015 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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	44.29%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	44.29%
Service Charge	1	52.27	52.27	1	82.14	82.14	29.87	57.15%	1.33%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-3.38	-3.38	-3.38	0.00%	-0.05%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.49	0.49	0.49	0.00%	0.01%
Distribution Volumetric Rate	120	11.433	1,371.96	120	14.5768	1,749.22	377.26	27.50%	28.38%
Volumetric Smoothing Rider	120	0	0.00	120	-0.5993	-71.92	-71.92	0.00%	-1.17%
Volumetric Deferral/Variance Account Rider	120	0.098	11.76	120	0.0608	7.30	-4.46	-37.96%	0.12%
Sub-Total: Distribution (excluding pass through)			1,439.91			1,763.85	323.94	22.50%	28.62%
Line Losses on Cost of Power	2,135	0.08	166.53	2,135	0.08	166.53	0.00	0.00%	2.70%
Sub-Total: Distribution			1,606.44			1,930.38	323.94	20.16%	31.32%
Retail Transmission Rate – Network Service Rate	120	1.81	217.20	120	1.6926	203.11	-14.09	-6.49%	3.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.18	141.60	120	1.1477	137.72	-3.88	-2.74%	2.23%
Sub-Total: Retail Transmission			358.80			340.84	-17.96	-5.01%	5.53%
Sub-Total: Delivery			1,798.71			2,104.68	305.97	17.01%	34.15%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.65%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.72%
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			208.21			208.21	0.00	0.00%	3.38%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.98%
Total Bill (before Taxes)			5,148.45			5,454.42	305.97	5.94%	88.50%
HST		0.13	669.30		0.13	709.07	39.78	5.94%	11.50%
Total Bill (including HST)			5,817.74			6,163.49	345.75	5.94%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			5,817.74			6,163.49	345.75	5.94%	100.00%

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	47.81%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	47.81%
Service Charge	1	52.27	52.27	1	82.14	82.14	29.87	57.15%	0.29%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-3.38	-3.38	-3.38	0.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.49	0.49	0.49	0.00%	0.00%
Distribution Volumetric Rate	500	11.433	5,716.50	500	14.5768	7,288.40	1,571.90	27.50%	25.53%
Volumetric Smoothing Rider	500	0	0.00	500	-0.5993	-299.65	-299.65	0.00%	-1.05%
Volumetric Deferral/Variance Account Rider	500	0.098	49.00	500	0.0608	30.40	-18.60	-37.96%	0.11%
Sub-Total: Distribution (excluding pass through)			5,821.69			7,098.40	1,276.71	21.93%	24.86%
Line Losses on Cost of Power	10,675	0.08	832.65	10,675	0.08	832.65	0.00	0.00%	2.92%
Sub-Total: Distribution			6,654.34			7,931.05	1,276.71	19.19%	27.78%
Retail Transmission Rate – Network Service Rate	500	1.81	905.00	500	1.6926	846.30	-58.70	-6.49%	2.96%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.18	590.00	500	1.1477	573.85	-16.15	-2.74%	2.01%
Sub-Total: Retail Transmission			1,495.00			1,420.15	-74.85	-5.01%	4.97%
Sub-Total: Delivery			7,316.69			8,518.55	1,201.86	16.43%	29.84%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.86%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	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			1,040.03			1,040.03	0.00	0.00%	3.64%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.29%
Total Bill (before Taxes)			24,064.37			25,266.23	1,201.86	4.99%	88.50%
HST		0.13	3,128.37		0.13	3,284.61	156.24	4.99%	11.50%
Total Bill (including HST)			27,192.74			28,550.84	1,358.10	4.99%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			27,192.74			28,550.84	1,358.10	4.99%	100.00%

2015 Bill Impacts (Low Consumption Level)

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	47.20%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	47.20%
Service Charge	1	28.71	28.71	1	84.4	84.40	55.69	193.97%	3.40%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-3.47	-3.47	-3.47	0.00%	-0.14%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.5	0.50	0.50	0.00%	0.02%
Distribution Volumetric Rate	60	6.935	416.10	60	8.3437	500.62	84.52	20.31%	20.20%
Volumetric Smoothing Rider	60	0	0.00	60	-0.3431	-20.59	-20.59	0.00%	-0.83%
Volumetric Deferral/Variance Account Rider	60	-0.093	-5.58	60	0.0285	1.71	7.29	-130.65%	0.07%
Sub-Total: Distribution (excluding pass through)			443.15			563.18	120.03	27.08%	22.72%
Line Losses on Cost of Power	750	0.08	58.50	750	0.08	58.50	0.00	0.00%	2.36%
Sub-Total: Distribution			501.65			621.68	120.03	23.93%	25.08%
Retail Transmission Rate – Network Service Rate	60	1.89	113.40	60	2.0936	125.62	12.22	10.77%	5.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.24	74.40	60	1.3824	82.94	8.54	11.48%	3.35%
Sub-Total: Retail Transmission			187.80			208.56	20.76	11.05%	8.41%
Sub-Total: Delivery			630.95			771.74	140.79	22.31%	31.13%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.80%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	0.00	0.00%	0.76%
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			88.45			88.45	0.00	0.00%	3.57%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.24%
Total Bill (before Taxes)			2,052.90			2,193.69	140.79	6.86%	88.50%
HST		0.13	266.88		0.13	285.18	18.30	6.86%	11.50%
Total Bill (including HST)			2,319.78			2,478.87	159.09	6.86%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			2,319.78			2,478.87	159.09	6.86%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	50.55%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	50.55%
Service Charge	1	28.71	28.71	1	84.4	84.40	55.69	193.97%	1.56%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-3.47	-3.47	-3.47	0.00%	-0.06%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.5	0.50	0.50	0.00%	0.01%
Distribution Volumetric Rate	120	6.935	832.20	120	8.3437	1,001.24	169.04	20.31%	18.54%
Volumetric Smoothing Rider	120	0	0.00	120	-0.3431	-41.17	-41.17	0.00%	-0.76%
Volumetric Deferral/Variance Account Rider	120	-0.093	-11.16	120	0.0285	3.42	14.58	-130.65%	0.06%
Sub-Total: Distribution (excluding pass through)			853.67			1,044.92	191.25	22.40%	19.35%
Line Losses on Cost of Power	1,750	0.08	136.50	1,750	0.08	136.50	0.00	0.00%	2.53%
Sub-Total: Distribution			990.17			1,181.42	191.25	19.32%	21.87%
Retail Transmission Rate – Network Service Rate	120	1.89	226.80	120	2.0936	251.23	24.43	10.77%	4.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.24	148.80	120	1.3824	165.89	17.09	11.48%	3.07%
Sub-Total: Retail Transmission			375.60			417.12	41.52	11.05%	7.72%
Sub-Total: Delivery			1,229.27			1,462.04	232.77	18.94%	27.07%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.99%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	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			206.05			206.05	0.00	0.00%	3.82%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.54%
Total Bill (before Taxes)			4,546.82			4,779.59	232.77	5.12%	88.50%
HST		0.13	591.09		0.13	621.35	30.26	5.12%	11.50%
Total Bill (including HST)			5,137.91			5,400.94	263.03	5.12%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			5,137.91			5,400.94	263.03	5.12%	100.00%

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	53.88%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	53.88%
Service Charge	1	28.71	28.71	1	84.4	84.40	55.69	193.97%	0.33%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-3.47	-3.47	-3.47	0.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.5	0.50	0.50	0.00%	0.00%
Distribution Volumetric Rate	500	6.935	3,467.50	500	8.3437	4,171.85	704.35	20.31%	16.47%
Volumetric Smoothing Rider	500	0	0.00	500	-0.3431	-171.55	-171.55	0.00%	-0.68%
Volumetric Deferral/Variance Account Rider	500	-0.093	-46.50	500	0.0285	14.25	60.75	-130.65%	0.06%
Sub-Total: Distribution (excluding pass through)			3,453.63			4,095.98	642.35	18.60%	16.17%
Line Losses on Cost of Power	8,750	0.08	682.50	8,750	0.08	682.50	0.00	0.00%	2.69%
Sub-Total: Distribution			4,136.13			4,778.48	642.35	15.53%	18.86%
Retail Transmission Rate – Network Service Rate	500	1.89	945.00	500	2.0936	1,046.80	101.80	10.77%	4.13%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.24	620.00	500	1.3824	691.20	71.20	11.48%	2.73%
Sub-Total: Retail Transmission			1,565.00			1,738.00	173.00	11.05%	6.86%
Sub-Total: Delivery			5,018.63			5,833.98	815.35	16.25%	23.03%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	3.19%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	0.00	0.00%	0.87%
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			1,029.25			1,029.25	0.00	0.00%	4.06%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.84%
Total Bill (before Taxes)			21,605.38			22,420.73	815.35	3.77%	88.50%
HST		0.13	2,808.70		0.13	2,914.69	106.00	3.77%	11.50%
Total Bill (including HST)			24,414.08			25,335.42	921.35	3.77%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			24,414.08			25,335.42	921.35	3.77%	100.00%

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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)	300	0.078	23.40	300	0.078	23.40	0.00	0.00%	8.94%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			23.40			23.40	0.00	0.00%	8.94%
Service Charge	1	38.13	38.13	1	166.48	166.48	128.35	336.61%	63.62%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-6.84	-6.84	-6.84	0.00%	-2.61%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	1.46	1.46	1.46	0.00%	0.56%
Distribution Volumetric Rate	10	5.951	59.51	10	3.3127	33.13	-26.38	-44.33%	12.66%
Volumetric Smoothing Rider	10	0	0.00	10	-0.1362	-1.36	-1.36	0.00%	-0.52%
Volumetric Deferral/Variance Account Rider	10	0.179	1.79	10	0.0238	0.24	-1.55	-86.70%	0.09%
Sub-Total: Distribution (excluding pass through)			103.35			193.10	89.75	86.84%	73.79%
Line Losses on Cost of Power	18	0.08	1.43	18	0.08	1.43	0.00	0.00%	0.55%
Sub-Total: Distribution			104.78			194.53	89.75	85.66%	74.34%
Retail Transmission Rate – Network Service Rate	10	0.38	3.80	10	0.5719	5.72	1.92	50.50%	2.19%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.24	2.40	10	0.3796	3.80	1.40	58.17%	1.45%
Sub-Total: Retail Transmission			6.20			9.52	3.32	53.47%	3.64%
Sub-Total: Delivery			109.55			202.62	93.07	84.95%	77.43%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.54%
Rural Rate Protection Charge	318	0.0012	0.38	318	0.0012	0.38	0.00	0.00%	0.15%
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			2.03			2.03	0.00	0.00%	0.78%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.80%
Total Bill (before Taxes)			138.51			231.58	93.07	67.19%	88.50%
HST		0.13	18.01		0.13	30.11	12.10	67.19%	11.50%
Total Bill (including HST)			156.52			261.68	105.17	67.19%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			156.52			261.68	105.17	67.19%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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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)	2,000	0.078	156.00	2,000	0.078	156.00	0.00	0.00%	31.68%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			156.00			156.00	0.00	0.00%	31.68%
Service Charge	1	38.13	38.13	1	166.48	166.48	128.35	336.61%	33.81%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-6.84	-6.84	-6.84	0.00%	-1.39%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	1.46	1.46	1.46	0.00%	0.30%
Distribution Volumetric Rate	20	5.951	119.02	20	3.3127	66.25	-52.77	-44.33%	13.45%
Volumetric Smoothing Rider	20	0	0.00	20	-0.1362	-2.72	-2.72	0.00%	-0.55%
Volumetric Deferral/Variance Account Rider	20	0.179	3.58	20	0.0238	0.48	-3.10	-86.70%	0.10%
Sub-Total: Distribution (excluding pass through)			164.65			225.11	60.46	36.72%	45.71%
Line Losses on Cost of Power	122	0.08	9.52	122	0.08	9.52	0.00	0.00%	1.93%
Sub-Total: Distribution			174.17			234.62	60.46	34.71%	47.65%
Retail Transmission Rate – Network Service Rate	20	0.38	7.60	20	0.5719	11.44	3.84	50.50%	2.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.24	4.80	20	0.3796	7.59	2.79	58.17%	1.54%
Sub-Total: Retail Transmission			12.40			19.03	6.63	53.47%	3.86%
Sub-Total: Delivery			177.05			244.14	67.09	37.89%	49.58%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.90%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	2.46%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.84%
Total Bill (before Taxes)			368.70			435.79	67.09	18.20%	88.50%
HST		0.13	47.93		0.13	56.65	8.72	18.20%	11.50%
Total Bill (including HST)			416.63			492.44	75.81	18.20%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			416.63			492.44	75.81	18.20%	100.00%

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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)	5,000	0.078	390.00	5,000	0.078	390.00	0.00	0.00%	32.71%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			390.00			390.00	0.00	0.00%	32.71%
Service Charge	1	38.13	38.13	1	166.48	166.48	128.35	336.61%	13.96%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-6.84	-6.84	-6.84	0.00%	-0.57%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	1.46	1.46	1.46	0.00%	0.12%
Distribution Volumetric Rate	100	5.951	595.10	100	3.3127	331.27	-263.83	-44.33%	27.79%
Volumetric Smoothing Rider	100	0	0.00	100	-0.1362	-13.62	-13.62	0.00%	-1.14%
Volumetric Deferral/Variance Account Rider	100	0.179	17.90	100	0.0238	2.38	-15.52	-86.70%	0.20%
Sub-Total: Distribution (excluding pass through)			655.05			481.13	-173.92	-26.55%	40.36%
Line Losses on Cost of Power	305	0.08	23.79	305	0.08	23.79	0.00	0.00%	2.00%
Sub-Total: Distribution			678.84			504.92	-173.92	-25.62%	42.35%
Retail Transmission Rate – Network Service Rate	100	0.38	38.00	100	0.5719	57.19	19.19	50.50%	4.80%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.24	24.00	100	0.3796	37.96	13.96	58.17%	3.18%
Sub-Total: Retail Transmission			62.00			95.15	33.15	53.47%	7.98%
Sub-Total: Delivery			717.05			576.28	-140.77	-19.63%	48.34%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.96%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	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%	0.02%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	2.51%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.94%
Total Bill (before Taxes)			1,195.80			1,055.03	-140.77	-11.77%	88.50%
HST		0.13	155.45		0.13	137.15	-18.30	-11.77%	11.50%
Total Bill (including HST)			1,351.25			1,192.18	-159.07	-11.77%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			1,351.25			1,192.18	-159.07	-11.77%	100.00%

2015 Bill Impacts (Low Consumption Level)

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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)	200,000	0.078	15,600.00	200,000	0.078	15,600.00	0.00	0.00%	58.62%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,600.00			15,600.00	0.00	0.00%	58.62%
Service Charge	1	771.32	771.32	1	1132.74	1,132.74	361.42	46.86%	4.26%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-35.52	-35.52	-35.52	0.00%	-0.13%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	5.04	5.04	5.04	0.00%	0.02%
Distribution Volumetric Rate	500	0.682	341.00	500	1.1585	579.25	238.25	69.87%	2.18%
Volumetric Smoothing Rider	500	0	0.00	500	-0.0528	-26.40	-26.40	0.00%	-0.10%
Volumetric Deferral/Variance Account Rider	500	0.307	153.50	500	0.1906	95.30	-58.20	-37.92%	0.36%
Sub-Total: Distribution (excluding pass through)			1,269.74			1,750.41	480.67	37.86%	6.58%
Line Losses on Cost of Power	6,800	0.08	530.40	6,800	0.08	530.40	0.00	0.00%	1.99%
Sub-Total: Distribution			1,800.14			2,280.81	480.67	26.70%	8.57%
Retail Transmission Rate – Network Service Rate	500	3.34	1,670.00	500	3.5856	1,792.80	122.80	7.35%	6.74%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.35	1,175.00	500	2.6378	1,318.90	143.90	12.25%	4.96%
Sub-Total: Retail Transmission			2,845.00			3,111.70	266.70	9.37%	11.69%
Sub-Total: Delivery			4,114.74			4,862.11	747.37	18.16%	18.27%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.42%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.35%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	5.26%
Total Bill (before Taxes)			22,803.47			23,550.84	747.37	3.28%	88.50%
HST		0.13	2,964.45		0.13	3,061.61	97.16	3.28%	11.50%
Total Bill (including HST)			25,767.92			26,612.45	844.53	3.28%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			25,767.92			26,612.45	844.53	3.28%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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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)	500,000	0.078	39,000.00	500,000	0.078	39,000.00	0.00	0.00%	62.36%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39,000.00			39,000.00	0.00	0.00%	62.36%
Service Charge	1	771.32	771.32	1	1132.74	1,132.74	361.42	46.86%	1.81%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-35.52	-35.52	-35.52	0.00%	-0.06%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	5.04	5.04	5.04	0.00%	0.01%
Distribution Volumetric Rate	1,000	0.682	682.00	1,000	1.1585	1,158.50	476.50	69.87%	1.85%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0528	-52.80	-52.80	0.00%	-0.08%
Volumetric Deferral/Variance Account Rider	1,000	0.307	307.00	1,000	0.1906	190.60	-116.40	-37.92%	0.30%
Sub-Total: Distribution (excluding pass through)			1,764.24			2,398.56	634.32	35.95%	3.84%
Line Losses on Cost of Power	17,000	0.08	1,326.00	17,000	0.08	1,326.00	0.00	0.00%	2.12%
Sub-Total: Distribution			3,090.24			3,724.56	634.32	20.53%	5.96%
Retail Transmission Rate – Network Service Rate	1,000	3.34	3,340.00	1,000	3.5856	3,585.60	245.60	7.35%	5.73%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.35	2,350.00	1,000	2.6378	2,637.80	287.80	12.25%	4.22%
Sub-Total: Retail Transmission			5,690.00			6,223.40	533.40	9.37%	9.95%
Sub-Total: Delivery			7,454.24			8,621.96	1,167.72	15.67%	13.79%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.64%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	0.00	0.00%	0.99%
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			2,895.45			2,895.45	0.00	0.00%	4.63%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.60%
Total Bill (before Taxes)			54,175.69			55,343.41	1,167.72	2.16%	88.50%
HST		0.13	7,042.84		0.13	7,194.64	151.80	2.16%	11.50%
Total Bill (including HST)			61,218.53			62,538.05	1,319.52	2.16%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			61,218.53			62,538.05	1,319.52	2.16%	100.00%

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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)	4,000,000	0.078	312,000.00	4,000,000	0.078	312,000.00	0.00	0.00%	61.35%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			312,000.00			312,000.00	0.00	0.00%	61.35%
Service Charge	1	771.32	771.32	1	1132.74	1,132.74	361.42	46.86%	0.22%
Smart Meter Adder	1	3.92	3.92	1	0	0.00	-3.92	-100.00%	0.00%
Fixed Smoothing Rider	1	0	0.00	1	-35.52	-35.52	-35.52	0.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	5.04	5.04	5.04	0.00%	0.00%
Distribution Volumetric Rate	10,000	0.682	6,820.00	10,000	1.1585	11,585.00	4,765.00	69.87%	2.28%
Volumetric Smoothing Rider	10,000	0	0.00	10,000	-0.0528	-528.00	-528.00	0.00%	-0.10%
Volumetric Deferral/Variance Account Rider	10,000	0.307	3,070.00	10,000	0.1906	1,906.00	-1,164.00	-37.92%	0.37%
Sub-Total: Distribution (excluding pass through)			10,665.24			14,065.26	3,400.02	31.88%	2.77%
Line Losses on Cost of Power	136,000	0.08	10,608.00	136,000	0.08	10,608.00	0.00	0.00%	2.09%
Sub-Total: Distribution			21,273.24			24,673.26	3,400.02	15.98%	4.85%
Retail Transmission Rate – Network Service Rate	10,000	3.34	33,400.00	10,000	3.5856	35,856.00	2,456.00	7.35%	7.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.35	23,500.00	10,000	2.6378	26,378.00	2,878.00	12.25%	5.19%
Sub-Total: Retail Transmission			56,900.00			62,234.00	5,334.00	9.37%	12.24%
Sub-Total: Delivery			67,565.24			76,299.26	8,734.02	12.93%	15.00%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.58%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.98%
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			23,161.85			23,161.85	0.00	0.00%	4.55%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.51%
Total Bill (before Taxes)			441,335.09			450,069.11	8,734.02	1.98%	88.50%
HST		0.13	57,373.56		0.13	58,508.98	1,135.42	1.98%	11.50%
Total Bill (including HST)			498,708.65			508,578.09	9,869.44	1.98%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill (including HST and OCEB)			498,708.65			508,578.09	9,869.44	1.98%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	22.76%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	22.76%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		12.28%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		5.36%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		6.39%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	24.48%	24.04%
Service Charge	1	20.29	20.29	1	20.84	20.84	0.55	2.71%	60.80%	59.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.83	-0.83	1	-0.94	-0.94	-0.11	13.25%	-2.74%	-2.69%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.64%	0.63%
Distribution Volumetric Rate	100	0.0179	1.79	100	0.0184	1.84	0.05	2.79%	5.37%	5.27%
Volumetric Smoothing Rider	100	-0.0007	-0.07	100	-0.0008	-0.08	-0.01	14.29%	-0.23%	-0.23%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			21.42			21.89	0.47	2.19%	63.86%	62.70%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.30%	2.26%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.08	0.44	6	0.08	0.44	0.00	0.00%	1.30%	1.27%
Line Losses on Cost of Power (based on TOU prices)	6	0.08	0.48	6	0.08	0.48	0.00	0.00%	1.40%	1.37%
Sub-Total: Distribution (based on two-tier RPP prices)			22.65			23.12	0.47	2.07%	67.47%	66.24%
Sub-Total: Distribution (based on TOU prices)			22.69			23.16	0.47	2.07%	67.56%	66.33%
Retail Transmission Rate – Network Service Rate	106	0.0067	0.71	106	0.0067	0.71	0.00	0.00%	2.07%	2.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	106	0.005	0.53	106	0.005	0.53	0.00	0.00%	1.54%	1.51%
Sub-Total: Retail Transmission			1.24			1.24	0.00	0.00%	3.61%	3.54%
Sub-Total: Delivery (excluding pass through)			22.66			23.13	0.47	2.07%	67.47%	66.24%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.36%	1.33%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	0.00	0.00%	0.37%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.73%	0.72%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.46%	2.41%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.04%	2.01%
Total Bill on Two-Tier RPP (before Taxes)			33.23			33.70	0.47	1.41%	98.33%	
HST		0.13	4.32		0.13	4.38	0.06	1.41%	12.78%	
Total Bill (including HST)			37.55			38.08	0.53	1.41%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.76		-0.10	-3.81	-0.05	1.41%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			33.80			34.28	0.48	1.41%	100.00%	
Total Bill on TOU (before Taxes)			33.86			34.33	0.47	1.39%		98.33%
HST		0.13	4.40		0.13	4.46	0.06	1.39%		12.78%
Total Bill (including HST)			38.26			38.79	0.53	1.39%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.83		-0.10	-3.88	-0.05	1.39%		-11.11%
Total Bill on TOU (including HST and OCEB)			34.43			34.91	0.48	1.39%		100.00%

2016 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	36.90%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	14.35%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	51.25%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		26.66%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		11.64%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		13.88%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	52.94%	52.18%
Service Charge	1	20.29	20.29	1	20.84	20.84	0.55	2.71%	16.43%	16.20%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.83	-0.83	1	-0.94	-0.94	-0.11	13.25%	-0.74%	-0.73%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.17%	0.17%
Distribution Volumetric Rate	800	0.0179	14.32	800	0.0184	14.72	0.40	2.79%	11.61%	11.44%
Volumetric Smoothing Rider	800	-0.0007	-0.56	800	-0.0008	-0.64	-0.08	14.29%	-0.50%	-0.50%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			33.53			34.28	0.75	2.24%	27.03%	26.64%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.62%	0.61%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.09	4.15	46	0.09	4.15	0.00	0.00%	3.27%	3.23%
Line Losses on Cost of Power (based on TOU prices)	46	0.08	3.83	46	0.08	3.83	0.00	0.00%	3.02%	2.97%
Sub-Total: Distribution (based on two-tier RPP prices)			38.47			39.22	0.75	1.95%	30.93%	30.48%
Sub-Total: Distribution (based on TOU prices)			38.15			38.90	0.75	1.97%	30.67%	30.23%
Retail Transmission Rate – Network Service Rate	846	0.0067	5.67	846	0.0067	5.67	0.00	0.00%	4.47%	4.40%
Retail Transmission Rate – Line and Transformation Connection Service Rate	846	0.005	4.23	846	0.005	4.23	0.00	0.00%	3.33%	3.29%
Sub-Total: Retail Transmission			9.89			9.89	0.00	0.00%	7.80%	7.69%
Sub-Total: Delivery (excluding pass through)			43.42			44.17	0.75	1.73%	34.83%	34.33%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.93%	2.89%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.80%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.19%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.93%	3.87%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.42%	4.35%
Total Bill on Two-Tier RPP (before Taxes)			123.95			124.70	0.75	0.61%	98.33%	
HST		0.13	16.11		0.13	16.21	0.10	0.61%	12.78%	
Total Bill (including HST)			140.06			140.91	0.85	0.61%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.01		-0.10	-14.09	-0.08	0.61%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			126.06			126.82	0.76	0.61%	100.00%	
Total Bill on TOU (before Taxes)			125.76			126.51	0.75	0.60%		98.33%
HST		0.13	16.35		0.13	16.45	0.10	0.60%		12.78%
Total Bill (including HST)			142.11			142.96	0.85	0.60%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.21		-0.10	-14.30	-0.08	0.60%		-11.11%
Total Bill on TOU (including HST and OCEB)			127.90			128.66	0.76	0.60%		100.00%

2016 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	15.78%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	42.94%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	58.72%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		29.64%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.94%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		15.43%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	56.58%	58.00%
Service Charge	1	20.29	20.29	1	20.84	20.84	0.55	2.71%	7.02%	7.20%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.83	-0.83	1	-0.94	-0.94	-0.11	13.25%	-0.32%	-0.32%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.07%	0.08%
Distribution Volumetric Rate	2,000	0.0179	35.80	2,000	0.0184	36.80	1.00	2.79%	12.40%	12.72%
Volumetric Smoothing Rider	2,000	-0.0007	-1.40	2,000	-0.0008	-1.60	-0.20	14.29%	-0.54%	-0.55%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			54.29			55.52	1.23	2.27%	18.71%	19.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.27%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.09	10.37	114	0.09	10.37	0.00	0.00%	3.50%	3.58%
Line Losses on Cost of Power (based on TOU prices)	114	0.08	9.57	114	0.08	9.57	0.00	0.00%	3.22%	3.31%
Sub-Total: Distribution (based on two-tier RPP prices)			65.45			66.68	1.23	1.88%	22.48%	23.04%
Sub-Total: Distribution (based on TOU prices)			64.65			65.88	1.23	1.90%	22.21%	22.77%
Retail Transmission Rate – Network Service Rate	2,114	0.0067	14.16	2,114	0.0067	14.16	0.00	0.00%	4.77%	4.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,114	0.005	10.57	2,114	0.005	10.57	0.00	0.00%	3.56%	3.65%
Sub-Total: Retail Transmission			24.73			24.73	0.00	0.00%	8.34%	8.55%
Sub-Total: Delivery (excluding pass through)			79.02			80.25	1.23	1.56%	27.05%	27.73%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	3.14%	3.21%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	0.00	0.00%	0.86%	0.88%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.09%
Sub-Total: Regulatory			12.09			12.09	0.00	0.00%	4.07%	4.18%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.72%	4.84%
Total Bill on Two-Tier RPP (before Taxes)			290.48			291.71	1.23	0.42%	98.33%	
HST		0.13	37.76		0.13	37.92	0.16	0.42%	12.78%	
Total Bill (including HST)			328.24			329.63	1.39	0.42%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-32.82		-0.10	-32.96	-0.14	0.42%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			295.41			296.67	1.25	0.42%	100.00%	
Total Bill on TOU (before Taxes)			283.31			284.54	1.23	0.43%		98.33%
HST		0.13	36.83		0.13	36.99	0.16	0.43%		12.78%
Total Bill (including HST)			320.14			321.53	1.39	0.43%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-32.01		-0.10	-32.15	-0.14	0.43%		-11.11%
Total Bill on TOU (including HST and OCEB)			288.13			289.38	1.25	0.43%		100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	17.73%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	17.73%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		9.61%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		4.19%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		5.00%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	19.08%	18.80%
Service Charge	1	27.92	27.92	1	29.2	29.20	1.28	4.58%	66.39%	65.42%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.15	-1.15	1	-1.31	-1.31	-0.16	13.91%	-2.98%	-2.94%
Fixed Deferral/Variance Account Rider	1	0.27	0.27	1	0.26	0.26	-0.01	-3.70%	0.59%	0.58%
Distribution Volumetric Rate	100	0.0315	3.15	100	0.033	3.30	0.15	4.76%	7.50%	7.39%
Volumetric Smoothing Rider	100	-0.0013	-0.13	100	-0.0015	-0.15	-0.02	15.38%	-0.34%	-0.34%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.05%	0.04%
Sub-Total: Distribution (excluding pass through)			30.08			31.32	1.24	4.12%	71.21%	70.17%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.80%	1.77%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.08	0.59	8	0.08	0.59	0.00	0.00%	1.35%	1.33%
Line Losses on Cost of Power (based on TOU prices)	8	0.08	0.64	8	0.08	0.64	0.00	0.00%	1.45%	1.43%
Sub-Total: Distribution (based on two-tier RPP prices)			31.46			32.70	1.24	3.94%	74.35%	73.27%
Sub-Total: Distribution (based on TOU prices)			31.51			32.75	1.24	3.94%	74.45%	73.37%
Retail Transmission Rate – Network Service Rate	108	0.0063	0.68	108	0.0063	0.68	0.00	0.00%	1.54%	1.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	108	0.0048	0.52	108	0.0048	0.52	0.00	0.00%	1.17%	1.16%
Sub-Total: Retail Transmission			1.19			1.19	0.00	0.00%	2.72%	2.68%
Sub-Total: Delivery (excluding pass through)			31.27			32.51	1.24	3.96%	73.92%	72.85%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.08%	1.06%
Rural Rate Protection Charge	108	0.0012	0.13	108	0.0012	0.13	0.00	0.00%	0.29%	0.29%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.57%	0.56%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	1.94%	1.91%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.59%	1.57%
Total Bill on Two-Tier RPP (before Taxes)			42.01			43.25	1.24	2.95%	98.33%	
HST		0.13	5.46		0.13	5.62	0.16	2.95%	12.78%	
Total Bill (including HST)			47.47			48.87	1.40	2.95%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.75		-0.10	-4.89	-0.14	2.95%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			42.72			43.98	1.26	2.95%	100.00%	
Total Bill on TOU (before Taxes)			42.65			43.89	1.24	2.91%		98.33%
HST		0.13	5.54		0.13	5.71	0.16	2.91%		12.78%
Total Bill (including HST)			48.19			49.59	1.40	2.91%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.82		-0.10	-4.96	-0.14	2.91%		-11.11%
Total Bill on TOU (including HST and OCEB)			43.37			44.63	1.26	2.91%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	31.72%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	12.34%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	44.06%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		22.98%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		10.03%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		11.96%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	45.51%	44.98%
Service Charge	1	27.92	27.92	1	29.2	29.20	1.28	4.58%	19.79%	19.56%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.15	-1.15	1	-1.31	-1.31	-0.16	13.91%	-0.89%	-0.88%
Fixed Deferral/Variance Account Rider	1	0.27	0.27	1	0.26	0.26	-0.01	-3.70%	0.18%	0.17%
Distribution Volumetric Rate	800	0.0315	25.20	800	0.033	26.40	1.20	4.76%	17.90%	17.69%
Volumetric Smoothing Rider	800	-0.0013	-1.04	800	-0.0015	-1.20	-0.16	15.38%	-0.81%	-0.80%
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)			51.36			53.51	2.15	4.19%	36.27%	35.85%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.54%	0.53%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.09	5.53	61	0.09	5.53	0.00	0.00%	3.75%	3.71%
Line Losses on Cost of Power (based on TOU prices)	61	0.08	5.10	61	0.08	5.10	0.00	0.00%	3.46%	3.42%
Sub-Total: Distribution (based on two-tier RPP prices)			57.68			59.83	2.15	3.73%	40.56%	40.09%
Sub-Total: Distribution (based on TOU prices)			57.25			59.40	2.15	3.76%	40.27%	39.80%
Retail Transmission Rate – Network Service Rate	861	0.0063	5.42	861	0.0063	5.42	0.00	0.00%	3.68%	3.63%
Retail Transmission Rate – Line and Transformation Connection Service Rate	861	0.0048	4.13	861	0.0048	4.13	0.00	0.00%	2.80%	2.77%
Sub-Total: Retail Transmission			9.55			9.55	0.00	0.00%	6.48%	6.40%
Sub-Total: Delivery (excluding pass through)			60.91			63.06	2.15	3.53%	42.75%	42.25%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.57%	2.54%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.70%	0.69%
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%	3.44%	3.40%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.80%	3.75%
Total Bill on Two-Tier RPP (before Taxes)			142.91			145.06	2.15	1.50%	98.33%	
HST		0.13	18.58		0.13	18.86	0.28	1.50%	12.78%	
Total Bill (including HST)			161.49			163.92	2.43	1.50%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.15		-0.10	-16.39	-0.24	1.50%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			145.34			147.52	2.19	1.50%	100.00%	
Total Bill on TOU (before Taxes)			144.61			146.76	2.15	1.49%		98.33%
HST		0.13	18.80		0.13	19.08	0.28	1.49%		12.78%
Total Bill (including HST)			163.41			165.84	2.43	1.49%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.34		-0.10	-16.58	-0.24	1.49%		-11.11%
Total Bill on TOU (including HST and OCEB)			147.07			149.26	2.19	1.49%		100.00%

2016 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	13.92%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	37.90%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	51.82%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		26.10%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.39%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.58%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	49.93%	51.07%
Service Charge	1	27.92	27.92	1	29.2	29.20	1.28	4.58%	8.69%	8.89%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.15	-1.15	1	-1.31	-1.31	-0.16	13.91%	-0.39%	-0.40%
Fixed Deferral/Variance Account Rider	1	0.27	0.27	1	0.26	0.26	-0.01	-3.70%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.0315	63.00	2,000	0.033	66.00	3.00	4.76%	19.63%	20.08%
Volumetric Smoothing Rider	2,000	-0.0013	-2.60	2,000	-0.0015	-3.00	-0.40	15.38%	-0.89%	-0.91%
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)			87.84			91.55	3.71	4.22%	27.23%	27.86%
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)	152	0.09	13.83	152	0.09	13.83	0.00	0.00%	4.11%	4.21%
Line Losses on Cost of Power (based on TOU prices)	152	0.08	12.76	152	0.08	12.76	0.00	0.00%	3.79%	3.88%
Sub-Total: Distribution (based on two-tier RPP prices)			102.46			106.17	3.71	3.62%	31.58%	32.31%
Sub-Total: Distribution (based on TOU prices)			101.39			105.10	3.71	3.66%	31.26%	31.98%
Retail Transmission Rate – Network Service Rate	2,152	0.0063	13.56	2,152	0.0063	13.56	0.00	0.00%	4.03%	4.13%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,152	0.0048	10.33	2,152	0.0048	10.33	0.00	0.00%	3.07%	3.14%
Sub-Total: Retail Transmission			23.89			23.89	0.00	0.00%	7.11%	7.27%
Sub-Total: Delivery (excluding pass through)			111.73			115.44	3.71	3.32%	34.34%	35.13%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.82%	2.88%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.77%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.08%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.66%	3.74%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.16%	4.26%
Total Bill on Two-Tier RPP (before Taxes)			326.85			330.56	3.71	1.14%	98.33%	
HST		0.13	42.49		0.13	42.97	0.48	1.14%	12.78%	
Total Bill (including HST)			369.34			373.53	4.19	1.14%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.93		-0.10	-37.35	-0.42	1.14%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			332.41			336.18	3.77	1.14%	100.00%	
Total Bill on TOU (before Taxes)			319.41			323.12	3.71	1.16%		98.33%
HST		0.13	41.52		0.13	42.01	0.48	1.16%		12.78%
Total Bill (including HST)			360.94			365.13	4.19	1.16%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.09		-0.10	-36.51	-0.42	1.16%		-11.11%
Total Bill on TOU (including HST and OCEB)			324.84			328.62	3.77	1.16%		100.00%

2016 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	13.40%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	13.40%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		7.28%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		3.18%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		3.79%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	14.41%	14.25%
Service Charge	1	37.99	37.99	1	43.25	43.25	5.26	13.85%	74.28%	73.44%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-2.82	-2.82	1	-3.31	-3.31	-0.49	17.38%	-5.68%	-5.62%
Fixed Deferral/Variance Account Rider	1	0.47	0.47	1	0.48	0.48	0.01	2.13%	0.82%	0.82%
Distribution Volumetric Rate	100	0.0445	4.45	100	0.0485	4.85	0.40	8.99%	8.33%	8.24%
Volumetric Smoothing Rider	100	-0.0018	-0.18	100	-0.0022	-0.22	-0.04	22.22%	-0.38%	-0.37%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			39.93			45.07	5.14	12.87%	77.41%	76.53%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.36%	1.34%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.08	0.82	11	0.08	0.82	0.00	0.00%	1.41%	1.39%
Line Losses on Cost of Power (based on TOU prices)	11	0.08	0.88	11	0.08	0.88	0.00	0.00%	1.51%	1.50%
Sub-Total: Distribution (based on two-tier RPP prices)			41.54			46.68	5.14	12.37%	80.17%	79.26%
Sub-Total: Distribution (based on TOU prices)			41.60			46.74	5.14	12.36%	80.28%	79.37%
Retail Transmission Rate – Network Service Rate	111	0.0062	0.69	111	0.0062	0.69	0.00	0.00%	1.18%	1.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	111	0.0047	0.52	111	0.0047	0.52	0.00	0.00%	0.89%	0.88%
Sub-Total: Retail Transmission			1.20			1.20	0.00	0.00%	2.07%	2.05%
Sub-Total: Delivery (excluding pass through)			41.13			46.27	5.14	12.50%	79.47%	78.58%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.84%	0.83%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	0.00	0.00%	0.23%	0.23%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.43%	0.42%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.49%	1.48%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.20%	1.19%
Total Bill on Two-Tier RPP (before Taxes)			52.11			57.25	5.14	9.86%	98.33%	
HST		0.13	6.77		0.13	7.44	0.67	9.86%	12.78%	
Total Bill (including HST)			58.89			64.70	5.81	9.86%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.89		-0.10	-6.47	-0.58	9.86%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			53.00			58.23	5.23	9.86%	100.00%	
Total Bill on TOU (before Taxes)			52.77			57.91	5.14	9.74%		98.33%
HST		0.13	6.86		0.13	7.53	0.67	9.74%	12.78%	
Total Bill (including HST)			59.63			65.43	5.81	9.74%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.96		-0.10	-6.54	-0.58	9.74%	-11.11%	
Total Bill on TOU (including HST and OCEB)			53.66			58.89	5.23	9.74%		100.00%

2016 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	26.83%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	10.44%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	37.27%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		19.49%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		8.51%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		10.15%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	38.49%	38.15%
Service Charge	1	37.99	37.99	1	43.25	43.25	5.26	13.85%	24.80%	24.58%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-2.82	-2.82	1	-3.31	-3.31	-0.49	17.38%	-1.90%	-1.88%
Fixed Deferral/Variance Account Rider	1	0.47	0.47	1	0.48	0.48	0.01	2.13%	0.28%	0.27%
Distribution Volumetric Rate	800	0.0445	35.60	800	0.0485	38.80	3.20	8.99%	22.25%	22.05%
Volumetric Smoothing Rider	800	-0.0018	-1.44	800	-0.0022	-1.76	-0.32	22.22%	-1.01%	-1.00%
Volumetric Deferral/Variance Account Rider	800	0.0002	0.16	800	0.0002	0.16	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			69.96			77.62	7.66	10.95%	44.51%	44.11%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.45%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.09	7.64	84	0.09	7.64	0.00	0.00%	4.38%	4.34%
Line Losses on Cost of Power (based on TOU prices)	84	0.08	7.05	84	0.08	7.05	0.00	0.00%	4.04%	4.01%
Sub-Total: Distribution (based on two-tier RPP prices)			78.39			86.05	7.66	9.77%	49.34%	48.90%
Sub-Total: Distribution (based on TOU prices)			77.80			85.46	7.66	9.85%	49.00%	48.56%
Retail Transmission Rate – Network Service Rate	884	0.0062	5.48	884	0.0062	5.48	0.00	0.00%	3.14%	3.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	884	0.0047	4.15	884	0.0047	4.15	0.00	0.00%	2.38%	2.36%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	5.52%	5.48%
Sub-Total: Delivery (excluding pass through)			79.60			87.26	7.66	9.62%	50.03%	49.58%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.23%	2.21%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	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%	0.14%	0.14%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.98%	2.96%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.21%	3.18%
Total Bill on Two-Tier RPP (before Taxes)			163.83			171.49	7.66	4.68%	98.33%	
HST		0.13	21.30		0.13	22.29	1.00	4.68%	12.78%	
Total Bill (including HST)			185.13			193.78	8.66	4.68%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.51		-0.10	-19.38	-0.87	4.68%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			166.62			174.41	7.79	4.68%	100.00%	
Total Bill on TOU (before Taxes)			165.37			173.03	7.66	4.63%		98.33%
HST		0.13	21.50		0.13	22.49	1.00	4.63%		12.78%
Total Bill (including HST)			186.87			195.53	8.66	4.63%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.69		-0.10	-19.55	-0.87	4.63%		-11.11%
Total Bill on TOU (including HST and OCEB)			168.18			175.97	7.79	4.63%		100.00%

2016 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	12.17%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	33.12%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	45.29%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		22.77%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.94%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		11.85%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	43.63%	44.56%
Service Charge	1	37.99	37.99	1	43.25	43.25	5.26	13.85%	11.24%	11.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-2.82	-2.82	1	-3.31	-3.31	-0.49	17.38%	-0.86%	-0.88%
Fixed Deferral/Variance Account Rider	1	0.47	0.47	1	0.48	0.48	0.01	2.13%	0.12%	0.13%
Distribution Volumetric Rate	2,000	0.0445	89.00	2,000	0.0485	97.00	8.00	8.99%	25.22%	25.75%
Volumetric Smoothing Rider	2,000	-0.0018	-3.60	2,000	-0.0022	-4.40	-0.80	22.22%	-1.14%	-1.17%
Volumetric Deferral/Variance Account Rider	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.10%	0.11%
Sub-Total: Distribution (excluding pass through)			121.44			133.42	11.98	9.86%	34.68%	35.42%
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)	210	0.09	19.11	210	0.09	19.11	0.00	0.00%	4.97%	5.07%
Line Losses on Cost of Power (based on TOU prices)	210	0.08	17.62	210	0.08	17.62	0.00	0.00%	4.58%	4.68%
Sub-Total: Distribution (based on two-tier RPP prices)			141.34			153.32	11.98	8.48%	39.86%	40.70%
Sub-Total: Distribution (based on TOU prices)			139.85			151.83	11.98	8.57%	39.47%	40.31%
Retail Transmission Rate – Network Service Rate	2,210	0.0062	13.70	2,210	0.0062	13.70	0.00	0.00%	3.56%	3.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,210	0.0047	10.39	2,210	0.0047	10.39	0.00	0.00%	2.70%	2.76%
Sub-Total: Retail Transmission			24.09			24.09	0.00	0.00%	6.26%	6.40%
Sub-Total: Delivery (excluding pass through)			145.53			157.51	11.98	8.23%	40.95%	41.81%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.53%	2.58%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	0.00	0.00%	0.69%	0.70%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.07%
Sub-Total: Regulatory			12.63			12.63	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%	3.64%	3.72%
Total Bill on Two-Tier RPP (before Taxes)			366.26			378.24	11.98	3.27%	98.33%	
HST		0.13	47.61		0.13	49.17	1.56	3.27%	12.78%	
Total Bill (including HST)			413.87			427.41	13.54	3.27%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.39		-0.10	-42.74	-1.35	3.27%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			372.48			384.66	12.18	3.27%	100.00%	
Total Bill on TOU (before Taxes)			358.41			370.39	11.98	3.34%		98.33%
HST		0.13	46.59		0.13	48.15	1.56	3.34%		12.78%
Total Bill (including HST)			405.00			418.54	13.54	3.34%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-40.50		-0.10	-41.85	-1.35	3.34%		-11.11%
Total Bill on TOU (including HST and OCEB)			364.50			376.68	12.18	3.34%		100.00%

2016 Bill Impacts (Low Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	9.83%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	9.83%	
TOU-Off Peak	32	0.067	2.14	32	0.067	2.14	0.00	0.00%		5.36%
TOU-Mid Peak	9	0.104	0.94	9	0.104	0.94	0.00	0.00%		2.34%
TOU-On Peak	9	0.124	1.12	9	0.124	1.12	0.00	0.00%		2.79%
Sub-Total: Energy (TOU)			4.20			4.20	0.00	0.00%	10.58%	10.49%
Service Charge	1	26.78	26.78	1	28.63	28.63	1.85	6.91%	72.18%	71.58%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.1	-1.10	1	-1.28	-1.28	-0.18	16.36%	-3.23%	-3.20%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.63%	0.63%
Distribution Volumetric Rate	50	0.0938	4.69	50	0.1015	5.08	0.39	8.21%	12.80%	12.69%
Volumetric Smoothing Rider	50	-0.0039	-0.20	50	-0.0046	-0.23	-0.04	17.95%	-0.58%	-0.58%
Volumetric Deferral/Variance Account Rider	50	0.0005	0.03	50	0.0005	0.03	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			30.45			32.47	2.02	6.63%	81.87%	81.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.99%	1.98%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.08	0.41	5	0.08	0.41	0.00	0.00%	1.02%	1.01%
Line Losses on Cost of Power (based on TOU prices)	5	0.08	0.44	5	0.08	0.44	0.00	0.00%	1.10%	1.09%
Sub-Total: Distribution (based on two-tier RPP prices)			31.65			33.67	2.02	6.38%	84.88%	84.18%
Sub-Total: Distribution (based on TOU prices)			31.68			33.70	2.02	6.38%	84.96%	84.25%
Retail Transmission Rate – Network Service Rate	55	0.005	0.28	55	0.005	0.28	0.00	0.00%	0.70%	0.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0045	0.25	55	0.0045	0.25	0.00	0.00%	0.63%	0.62%
Sub-Total: Retail Transmission			0.52			0.52	0.00	0.00%	1.32%	1.31%
Sub-Total: Delivery (excluding pass through)			30.97			32.99	2.02	6.52%	83.19%	82.50%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.61%	0.61%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	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%	0.63%	0.63%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.41%	1.40%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.88%	0.88%
Total Bill on Two-Tier RPP (before Taxes)			36.98			39.00	2.02	5.46%	98.33%	
HST		0.13	4.81		0.13	5.07	0.26	5.46%	12.78%	
Total Bill (including HST)			41.79			44.07	2.28	5.46%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.18		-0.10	-4.41	-0.23	5.46%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			37.61			39.66	2.05	5.46%	100.00%	
Total Bill on TOU (before Taxes)			37.31			39.33	2.02	5.41%		98.33%
HST		0.13	4.85		0.13	5.11	0.26	5.41%		12.78%
Total Bill (including HST)			42.16			44.44	2.28	5.41%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.22		-0.10	-4.44	-0.23	5.41%		-11.11%
Total Bill on TOU (including HST and OCEB)			37.94			39.99	2.05	5.41%		100.00%

2016 Bill Impacts (Typical Consumption Level)

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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	0.078	31.20	400	0.078	31.20	0.00	0.00%	27.51%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			31.20			31.20	0.00	0.00%	27.51%	
TOU-Off Peak	256	0.067	17.15	256	0.067	17.15	0.00	0.00%		14.78%
TOU-Mid Peak	72	0.104	7.49	72	0.104	7.49	0.00	0.00%		6.45%
TOU-On Peak	72	0.124	8.93	72	0.124	8.93	0.00	0.00%		7.69%
Sub-Total: Energy (TOU)			33.57			33.57	0.00	0.00%	29.60%	28.92%
Service Charge	1	26.78	26.78	1	28.63	28.63	1.85	6.91%	25.24%	24.67%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.1	-1.10	1	-1.28	-1.28	-0.18	16.36%	-1.13%	-1.10%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.22%
Distribution Volumetric Rate	400	0.0938	37.52	400	0.1015	40.60	3.08	8.21%	35.80%	34.98%
Volumetric Smoothing Rider	400	-0.0039	-1.56	400	-0.0046	-1.84	-0.28	17.95%	-1.62%	-1.59%
Volumetric Deferral/Variance Account Rider	400	0.0005	0.20	400	0.0005	0.20	0.00	0.00%	0.18%	0.17%
Sub-Total: Distribution (excluding pass through)			62.09			66.56	4.47	7.20%	58.69%	57.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.70%	0.68%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.08	3.24	42	0.08	3.24	0.00	0.00%	2.86%	2.80%
Line Losses on Cost of Power (based on TOU prices)	42	0.08	3.49	42	0.08	3.49	0.00	0.00%	3.08%	3.01%
Sub-Total: Distribution (based on two-tier RPP prices)			66.12			70.59	4.47	6.76%	62.25%	60.82%
Sub-Total: Distribution (based on TOU prices)			66.37			70.84	4.47	6.73%	62.47%	61.03%
Retail Transmission Rate – Network Service Rate	442	0.005	2.21	442	0.005	2.21	0.00	0.00%	1.95%	1.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	442	0.0045	1.99	442	0.0045	1.99	0.00	0.00%	1.75%	1.71%
Sub-Total: Retail Transmission			4.20			4.20	0.00	0.00%	3.70%	3.61%
Sub-Total: Delivery (excluding pass through)			66.29			70.76	4.47	6.74%	62.39%	60.96%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.71%	1.67%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.47%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.22%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.40%	2.35%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.47%	2.41%
Total Bill on Two-Tier RPP (before Taxes)			107.04			111.51	4.47	4.18%	98.33%	
HST		0.13	13.92		0.13	14.50	0.58	4.18%	12.78%	
Total Bill (including HST)			120.96			126.01	5.05	4.18%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.10		-0.10	-12.60	-0.51	4.18%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			108.86			113.41	4.55	4.18%	100.00%	
Total Bill on TOU (before Taxes)			109.66			114.13	4.47	4.08%		98.33%
HST		0.13	14.26		0.13	14.84	0.58	4.08%		12.78%
Total Bill (including HST)			123.91			128.96	5.05	4.08%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.39		-0.10	-12.90	-0.51	4.08%		-11.11%
Total Bill on TOU (including HST and OCEB)			111.52			116.07	4.55	4.08%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	18.99%	
Energy Second Tier (kWh)	400	0.091	36.40	400	0.091	36.40	0.00	0.00%	14.77%	
Sub-Total: Energy (RPP)			83.20			83.20	0.00	0.00%	33.75%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		17.40%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		7.59%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		9.06%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	34.05%	34.05%
Service Charge	1	26.78	26.78	1	28.63	28.63	1.85	6.91%	11.61%	11.62%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.1	-1.10	1	-1.28	-1.28	-0.18	16.36%	-0.52%	-0.52%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Distribution Volumetric Rate	1,000	0.0938	93.80	1,000	0.1015	101.50	7.70	8.21%	41.18%	41.18%
Volumetric Smoothing Rider	1,000	-0.0039	-3.90	1,000	-0.0046	-4.60	-0.70	17.95%	-1.87%	-1.87%
Volumetric Deferral/Variance Account Rider	1,000	0.0005	0.50	1,000	0.0005	0.50	0.00	0.00%	0.20%	0.20%
Sub-Total: Distribution (excluding pass through)			116.33			125.00	8.67	7.45%	50.71%	50.71%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.32%	0.32%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.09	9.46	104	0.09	9.46	0.00	0.00%	3.84%	3.84%
Line Losses on Cost of Power (based on TOU prices)	104	0.08	8.73	104	0.08	8.73	0.00	0.00%	3.54%	3.54%
Sub-Total: Distribution (based on two-tier RPP prices)			126.58			135.25	8.67	6.85%	54.87%	54.87%
Sub-Total: Distribution (based on TOU prices)			125.85			134.52	8.67	6.89%	54.57%	54.58%
Retail Transmission Rate – Network Service Rate	1,104	0.005	5.52	1,104	0.005	5.52	0.00	0.00%	2.24%	2.24%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0045	4.97	1,104	0.0045	4.97	0.00	0.00%	2.02%	2.02%
Sub-Total: Retail Transmission			10.49			10.49	0.00	0.00%	4.25%	4.26%
Sub-Total: Delivery (excluding pass through)			126.82			135.49	8.67	6.84%	54.97%	54.97%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.97%	1.97%
Rural Rate Protection Charge	1,104	0.0012	1.32	1,104	0.0012	1.32	0.00	0.00%	0.54%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Sub-Total: Regulatory			6.43			6.43	0.00	0.00%	2.61%	2.61%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.84%	2.84%
Total Bill on Two-Tier RPP (before Taxes)			233.70			242.37	8.67	3.71%	98.33%	
HST		0.13	30.38		0.13	31.51	1.13	3.71%	12.78%	
Total Bill (including HST)			264.09			273.88	9.80	3.71%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-26.41		-0.10	-27.39	-0.98	3.71%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			237.68			246.49	8.82	3.71%	100.00%	
Total Bill on TOU (before Taxes)			233.69			242.36	8.67	3.71%		98.33%
HST		0.13	30.38		0.13	31.51	1.13	3.71%		12.78%
Total Bill (including HST)			264.07			273.86	9.80	3.71%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-26.41		-0.10	-27.39	-0.98	3.71%		-11.11%
Total Bill on TOU (including HST and OCEB)			237.66			246.48	8.82	3.71%		100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	28.67%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	11.15%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	39.82%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		20.81%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		9.08%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		10.83%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	41.12%	40.72%
Service Charge	1	28.96	28.96	1	30.71	30.71	1.75	6.04%	15.05%	14.90%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.19	-1.19	1	-1.38	-1.38	-0.19	15.97%	-0.68%	-0.67%
Fixed Deferral/Variance Account Rider	1	0.26	0.26	1	0.25	0.25	-0.01	-3.85%	0.12%	0.12%
Distribution Volumetric Rate	1,000	0.0548	54.80	1,000	0.0588	58.80	4.00	7.30%	28.81%	28.53%
Volumetric Smoothing Rider	1,000	-0.0023	-2.30	1,000	-0.0026	-2.60	-0.30	13.04%	-1.27%	-1.26%
Volumetric Deferral/Variance Account Rider	1,000	0.0003	0.30	1,000	0.0003	0.30	0.00	0.00%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			80.83			86.08	5.25	6.50%	42.18%	41.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.39%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.09	8.74	96	0.09	8.74	0.00	0.00%	4.28%	4.24%
Line Losses on Cost of Power (based on TOU prices)	96	0.08	8.06	96	0.08	8.06	0.00	0.00%	3.95%	3.91%
Sub-Total: Distribution (based on two-tier RPP prices)			90.36			95.61	5.25	5.81%	46.85%	46.39%
Sub-Total: Distribution (based on TOU prices)			89.68			94.93	5.25	5.85%	46.52%	46.06%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	3.12%	3.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0037	4.06	1,096	0.0037	4.06	0.00	0.00%	1.99%	1.97%
Sub-Total: Retail Transmission			10.41			10.41	0.00	0.00%	5.10%	5.05%
Sub-Total: Delivery (excluding pass through)			91.24			96.49	5.25	5.75%	47.28%	46.82%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.36%	2.34%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.64%	0.64%
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			6.39			6.39	0.00	0.00%	3.13%	3.10%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.43%	3.40%
Total Bill on Two-Tier RPP (before Taxes)			195.41			200.66	5.25	2.69%	98.33%	
HST		0.13	25.40		0.13	26.09	0.68	2.69%	12.78%	
Total Bill (including HST)			220.81			226.74	5.93	2.69%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.08		-0.10	-22.67	-0.59	2.69%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			198.73			204.07	5.34	2.69%	100.00%	
Total Bill on TOU (before Taxes)			197.40			202.65	5.25	2.66%		98.33%
HST		0.13	25.66		0.13	26.34	0.68	2.66%		12.78%
Total Bill (including HST)			223.06			228.99	5.93	2.66%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.31		-0.10	-22.90	-0.59	2.66%		-11.11%
Total Bill on TOU (including HST and OCEB)			200.75			206.09	5.34	2.66%		100.00%

2016 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	15.12%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	29.40%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	44.52%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		22.51%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.83%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		11.72%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	43.38%	44.05%
Service Charge	1	28.96	28.96	1	30.71	30.71	1.75	6.04%	7.94%	8.06%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.19	-1.19	1	-1.38	-1.38	-0.19	15.97%	-0.36%	-0.36%
Fixed Deferral/Variance Account Rider	1	0.26	0.26	1	0.25	0.25	-0.01	-3.85%	0.06%	0.07%
Distribution Volumetric Rate	2,000	0.0548	109.60	2,000	0.0588	117.60	8.00	7.30%	30.39%	30.86%
Volumetric Smoothing Rider	2,000	-0.0023	-4.60	2,000	-0.0026	-5.20	-0.60	13.04%	-1.34%	-1.36%
Volumetric Deferral/Variance Account Rider	2,000	0.0003	0.60	2,000	0.0003	0.60	0.00	0.00%	0.16%	0.16%
Sub-Total: Distribution (excluding pass through)			133.63			142.58	8.95	6.70%	36.85%	37.42%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.21%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.09	17.47	192	0.09	17.47	0.00	0.00%	4.52%	4.59%
Line Losses on Cost of Power (based on TOU prices)	192	0.08	16.11	192	0.08	16.11	0.00	0.00%	4.16%	4.23%
Sub-Total: Distribution (based on two-tier RPP prices)			151.89			160.84	8.95	5.89%	41.57%	42.21%
Sub-Total: Distribution (based on TOU prices)			150.53			159.48	8.95	5.95%	41.22%	41.85%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	3.29%	3.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0037	8.11	2,192	0.0037	8.11	0.00	0.00%	2.10%	2.13%
Sub-Total: Retail Transmission			20.82			20.82	0.00	0.00%	5.38%	5.47%
Sub-Total: Delivery (excluding pass through)			154.45			163.40	8.95	5.79%	42.23%	42.88%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.49%	2.53%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.68%	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%	0.07%
Sub-Total: Regulatory			12.53			12.53	0.00	0.00%	3.24%	3.29%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.62%	3.67%
Total Bill on Two-Tier RPP (before Taxes)			371.49			380.44	8.95	2.41%	98.33%	
HST		0.13	48.29		0.13	49.46	1.16	2.41%	12.78%	
Total Bill (including HST)			419.79			429.90	10.11	2.41%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.98		-0.10	-42.99	-1.01	2.41%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			377.81			386.91	9.10	2.41%	100.00%	
Total Bill on TOU (before Taxes)			365.72			374.67	8.95	2.45%		98.33%
HST		0.13	47.54		0.13	48.71	1.16	2.45%		12.78%
Total Bill (including HST)			413.27			423.38	10.11	2.45%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.33		-0.10	-42.34	-1.01	2.45%		-11.11%
Total Bill on TOU (including HST and OCEB)			371.94			381.04	9.10	2.45%		100.00%

2016 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	1.95%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	43.12%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	45.06%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		22.27%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		9.72%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		11.59%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	41.85%	43.58%
Service Charge	1	28.96	28.96	1	30.71	30.71	1.75	6.04%	1.02%	1.06%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.19	-1.19	1	-1.38	-1.38	-0.19	15.97%	-0.05%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.26	0.26	1	0.25	0.25	-0.01	-3.85%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0548	822.00	15,000	0.0588	882.00	60.00	7.30%	29.33%	30.53%
Volumetric Smoothing Rider	15,000	-0.0023	-34.50	15,000	-0.0026	-39.00	-4.50	13.04%	-1.30%	-1.35%
Volumetric Deferral/Variance Account Rider	15,000	0.0003	4.50	15,000	0.0003	4.50	0.00	0.00%	0.15%	0.16%
Sub-Total: Distribution (excluding pass through)			820.03			877.08	57.05	6.96%	29.16%	30.36%
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)	1,440	0.09	131.04	1,440	0.09	131.04	0.00	0.00%	4.36%	4.54%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.08	120.84	1,440	0.08	120.84	0.00	0.00%	4.02%	4.18%
Sub-Total: Distribution (based on two-tier RPP prices)			951.86			1,008.91	57.05	5.99%	33.54%	34.93%
Sub-Total: Distribution (based on TOU prices)			941.66			998.71	57.05	6.06%	33.21%	34.57%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	3.17%	3.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0037	60.83	16,440	0.0037	60.83	0.00	0.00%	2.02%	2.11%
Sub-Total: Retail Transmission			156.18			156.18	0.00	0.00%	5.19%	5.41%
Sub-Total: Delivery (excluding pass through)			976.21			1,033.26	57.05	5.84%	34.35%	35.77%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.41%	2.50%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.66%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			92.31			92.31	0.00	0.00%	3.07%	3.20%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.49%	3.63%
Total Bill on Two-Tier RPP (before Taxes)			2,660.60			2,717.65	57.05	2.14%	90.36%	
HST		0.13	345.88		0.13	353.30	7.42	2.14%	11.75%	
Total Bill (including HST)			3,006.48			3,070.95	64.47	2.14%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-61.88		-0.10	-63.31	-1.43	2.31%	-2.10%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,944.61			3,007.64	63.04	2.14%	100.00%	
Total Bill on TOU (before Taxes)			2,553.96			2,611.01	57.05	2.23%		90.39%
HST		0.13	332.01		0.13	339.43	7.42	2.23%		11.75%
Total Bill (including HST)			2,885.97			2,950.44	64.47	2.23%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-60.35		-0.10	-61.78	-1.43	2.37%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,825.63			2,888.66	63.04	2.23%		100.00%

2016 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	35.87%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	13.95%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	49.82%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		25.94%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		11.32%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		13.50%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	51.46%	50.76%
Service Charge	1	22.48	22.48	1	23.88	23.88	1.40	6.23%	14.64%	14.44%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.92	-0.92	1	-1.07	-1.07	-0.15	16.30%	-0.66%	-0.65%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.13%	0.13%
Distribution Volumetric Rate	1,000	0.0246	24.60	1,000	0.0263	26.30	1.70	6.91%	16.13%	15.91%
Volumetric Smoothing Rider	1,000	-0.001	-1.00	1,000	-0.0012	-1.20	-0.20	20.00%	-0.74%	-0.73%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			45.48			48.22	2.74	6.02%	29.57%	29.17%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.48%	0.48%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.09	6.10	67	0.09	6.10	0.00	0.00%	3.74%	3.69%
Line Losses on Cost of Power (based on TOU prices)	67	0.08	5.62	67	0.08	5.62	0.00	0.00%	3.45%	3.40%
Sub-Total: Distribution (based on two-tier RPP prices)			52.37			55.11	2.74	5.23%	33.79%	33.33%
Sub-Total: Distribution (based on TOU prices)			51.89			54.63	2.74	5.28%	33.50%	33.05%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	4.06%	4.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0039	4.16	1,067	0.0039	4.16	0.00	0.00%	2.55%	2.52%
Sub-Total: Retail Transmission			10.78			10.78	0.00	0.00%	6.61%	6.52%
Sub-Total: Delivery (excluding pass through)			56.26			59.00	2.74	4.87%	36.18%	35.69%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.88%	2.84%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	0.00	0.00%	0.79%	0.77%
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			6.23			6.23	0.00	0.00%	3.82%	3.77%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	4.29%	4.23%
Total Bill on Two-Tier RPP (before Taxes)			157.62			160.36	2.74	1.74%	98.33%	
HST		0.13	20.49		0.13	20.85	0.36	1.74%	12.78%	
Total Bill (including HST)			178.11			181.21	3.10	1.74%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.81		-0.10	-18.12	-0.31	1.74%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			160.30			163.09	2.79	1.74%	100.00%	
Total Bill on TOU (before Taxes)			159.81			162.55	2.74	1.71%		98.33%
HST		0.13	20.78		0.13	21.13	0.36	1.71%		12.78%
Total Bill (including HST)			180.59			183.69	3.10	1.71%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.06		-0.10	-18.37	-0.31	1.71%		-11.11%
Total Bill on TOU (including HST and OCEB)			162.53			165.32	2.79	1.71%		100.00%

2016 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	18.77%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	36.50%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	55.28%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		28.01%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.23%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		14.58%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	53.86%	54.82%
Service Charge	1	22.48	22.48	1	23.88	23.88	1.40	6.23%	7.66%	7.80%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.92	-0.92	1	-1.07	-1.07	-0.15	16.30%	-0.34%	-0.35%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0246	49.20	2,000	0.0263	52.60	3.40	6.91%	16.88%	17.18%
Volumetric Smoothing Rider	2,000	-0.001	-2.00	2,000	-0.0012	-2.40	-0.40	20.00%	-0.77%	-0.78%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.06%	0.07%
Sub-Total: Distribution (excluding pass through)			69.18			73.42	4.24	6.13%	23.56%	23.98%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.25%	0.26%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.09	12.19	134	0.09	12.19	0.00	0.00%	3.91%	3.98%
Line Losses on Cost of Power (based on TOU prices)	134	0.08	11.25	134	0.08	11.25	0.00	0.00%	3.61%	3.67%
Sub-Total: Distribution (based on two-tier RPP prices)			82.16			86.40	4.24	5.16%	27.73%	28.22%
Sub-Total: Distribution (based on TOU prices)			81.22			85.46	4.24	5.22%	27.42%	27.91%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	4.25%	4.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0039	8.32	2,134	0.0039	8.32	0.00	0.00%	2.67%	2.72%
Sub-Total: Retail Transmission			21.55			21.55	0.00	0.00%	6.92%	7.04%
Sub-Total: Delivery (excluding pass through)			90.73			94.97	4.24	4.67%	30.48%	31.02%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	3.01%	3.07%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	0.00	0.00%	0.82%	0.84%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			12.20			12.20	0.00	0.00%	3.92%	3.98%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.49%	4.57%
Total Bill on Two-Tier RPP (before Taxes)			302.17			306.41	4.24	1.40%	98.33%	
HST		0.13	39.28		0.13	39.83	0.55	1.40%	12.78%	
Total Bill (including HST)			341.45			346.24	4.79	1.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.14		-0.10	-34.62	-0.48	1.40%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			307.30			311.62	4.31	1.40%	100.00%	
Total Bill on TOU (before Taxes)			296.81			301.05	4.24	1.43%		98.33%
HST		0.13	38.59		0.13	39.14	0.55	1.43%		12.78%
Total Bill (including HST)			335.39			340.19	4.79	1.43%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-33.54		-0.10	-34.02	-0.48	1.43%		-11.11%
Total Bill on TOU (including HST and OCEB)			301.85			306.17	4.31	1.43%		100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	2.40%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	53.13%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	55.53%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		27.66%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		12.08%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		14.40%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	51.58%	54.14%
Service Charge	1	22.48	22.48	1	23.88	23.88	1.40	6.23%	0.98%	1.03%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.92	-0.92	1	-1.07	-1.07	-0.15	16.30%	-0.04%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0246	369.00	15,000	0.0263	394.50	25.50	6.91%	16.16%	16.97%
Volumetric Smoothing Rider	15,000	-0.001	-15.00	15,000	-0.0012	-18.00	-3.00	20.00%	-0.74%	-0.77%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			377.28			401.02	23.74	6.29%	16.43%	17.25%
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	0.09	91.46	1,005	0.09	91.46	0.00	0.00%	3.75%	3.93%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.08	84.34	1,005	0.08	84.34	0.00	0.00%	3.46%	3.63%
Sub-Total: Distribution (based on two-tier RPP prices)			469.53			493.27	23.74	5.06%	20.21%	21.22%
Sub-Total: Distribution (based on TOU prices)			462.41			486.15	23.74	5.13%	19.92%	20.91%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	4.07%	4.27%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0039	62.42	16,005	0.0039	62.42	0.00	0.00%	2.56%	2.68%
Sub-Total: Retail Transmission			161.65			161.65	0.00	0.00%	6.62%	6.95%
Sub-Total: Delivery (excluding pass through)			538.93			562.67	23.74	4.41%	23.05%	24.20%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.89%	3.03%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.79%	0.83%
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			89.88			89.88	0.00	0.00%	3.68%	3.87%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.30%	4.52%
Total Bill on Two-Tier RPP (before Taxes)			2,181.30			2,205.04	23.74	1.09%	90.35%	
HST		0.13	283.57		0.13	286.66	3.09	1.09%	11.75%	
Total Bill (including HST)			2,464.87			2,491.70	26.83	1.09%	102.09%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-50.48		-0.10	-51.13	-0.65	1.28%	-2.09%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,414.39			2,440.57	26.18	1.08%	100.00%	
Total Bill on TOU (before Taxes)			2,077.74			2,101.48	23.74	1.14%		90.39%
HST		0.13	270.11		0.13	273.19	3.09	1.14%		11.75%
Total Bill (including HST)			2,347.84			2,374.67	26.83	1.14%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-49.02		-0.10	-49.67	-0.65	1.32%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,298.82			2,325.00	26.18	1.14%		100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	31.18%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	31.18%
Service Charge	1	4.01	4.01	1	4.37	4.37	0.36	8.98%	17.47%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.17	-0.17	1	-0.2	-0.20	-0.03	17.65%	-0.80%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.12%
Distribution Volumetric Rate	100	0.0912	9.12	100	0.0992	9.92	0.80	8.77%	39.66%
Volumetric Smoothing Rider	100	-0.0037	-0.37	100	-0.0045	-0.45	-0.08	21.62%	-1.80%
Volumetric Deferral/Variance Account Rider	100	0.0005	0.05	100	0.0005	0.05	0.00	0.00%	0.20%
Sub-Total: Distribution (excluding pass through)			12.67			13.72	1.05	8.29%	54.85%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	2.87%
Sub-Total: Distribution			13.39			14.44	1.05	7.84%	57.72%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.70%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0034	0.37	109	0.0034	0.37	0.00	0.00%	1.48%
Sub-Total: Retail Transmission			0.80			0.80	0.00	0.00%	3.19%
Sub-Total: Delivery (excluding pass through)			13.47			14.52	1.05	7.80%	58.04%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.92%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.00%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.44%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.80%
Total Bill on Two-Tier RPP (before Taxes)			23.55			24.60	1.05	4.46%	98.33%
HST		0.13	3.06		0.13	3.20	0.14	4.46%	12.78%
Total Bill (including HST)			26.61			27.79	1.19	4.46%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.66		-0.10	-2.78	-0.12	4.46%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			23.95			25.01	1.07	4.46%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	36.46%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	36.46%
Service Charge	1	4.01	4.01	1	4.37	4.37	0.36	8.98%	4.09%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.17	-0.17	1	-0.2	-0.20	-0.03	17.65%	-0.19%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.03%
Distribution Volumetric Rate	500	0.0912	45.60	500	0.0992	49.60	4.00	8.77%	46.37%
Volumetric Smoothing Rider	500	-0.0037	-1.85	500	-0.0045	-2.25	-0.40	21.62%	-2.10%
Volumetric Deferral/Variance Account Rider	500	0.0005	0.25	500	0.0005	0.25	0.00	0.00%	0.23%
Sub-Total: Distribution (excluding pass through)			47.87			51.80	3.93	8.21%	48.43%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.35%
Sub-Total: Distribution			51.46			55.39	3.93	7.64%	51.78%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0034	1.86	546	0.0034	1.86	0.00	0.00%	1.74%
Sub-Total: Retail Transmission			3.99			3.99	0.00	0.00%	3.73%
Sub-Total: Delivery (excluding pass through)			51.86			55.79	3.93	7.58%	52.15%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.25%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.23%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	3.09%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.27%
Total Bill on Two-Tier RPP (before Taxes)			101.25			105.18	3.93	3.88%	98.33%
HST		0.13	13.16		0.13	13.67	0.51	3.88%	12.78%
Total Bill (including HST)			114.41			118.85	4.44	3.88%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-11.44		-0.10	-11.89	-0.44	3.88%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			102.97			106.97	4.00	3.88%	100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	13.50%
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	26.25%
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	39.76%
Service Charge	1	4.01	4.01	1	4.37	4.37	0.36	8.98%	1.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.17	-0.17	1	-0.2	-0.20	-0.03	17.65%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.0912	182.40	2,000	0.0992	198.40	16.00	8.77%	45.79%
Volumetric Smoothing Rider	2,000	-0.0037	-7.40	2,000	-0.0045	-9.00	-1.60	21.62%	-2.08%
Volumetric Deferral/Variance Account Rider	2,000	0.0005	1.00	2,000	0.0005	1.00	0.00	0.00%	0.23%
Sub-Total: Distribution (excluding pass through)			179.87			194.60	14.73	8.19%	44.92%
Line Losses on Cost of Power	184	0.09	16.74	184	0.09	16.74	0.00	0.00%	3.86%
Sub-Total: Distribution			196.61			211.34	14.73	7.49%	48.78%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,184	0.0034	7.43	2,184	0.0034	7.43	0.00	0.00%	1.71%
Sub-Total: Retail Transmission			15.94			15.94	0.00	0.00%	3.68%
Sub-Total: Delivery (excluding pass through)			195.81			210.54	14.73	7.52%	48.60%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.22%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,184	0.0012	2.62	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%	0.06%
Sub-Total: Regulatory			12.48			12.48	0.00	0.00%	2.88%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.23%
Total Bill on Two-Tier RPP (before Taxes)			411.29			426.02	14.73	3.58%	98.33%
HST		0.13	53.47		0.13	55.38	1.91	3.58%	12.78%
Total Bill (including HST)			464.75			481.40	16.64	3.58%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.48		-0.10	-48.14	-1.66	3.58%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			418.28			433.26	14.98	3.58%	100.00%

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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	0.078	1.56	20	0.078	1.56	0.00	0.00%	19.80%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.56			1.56	0.00	0.00%	19.80%
Service Charge	1	2.42	2.42	1	2.83	2.83	0.41	16.94%	35.93%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.1	-0.10	1	-0.13	-0.13	-0.03	30.00%	-1.65%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.25%
Distribution Volumetric Rate	20	0.1197	2.39	20	0.138	2.76	0.37	15.29%	35.04%
Volumetric Smoothing Rider	20	-0.0049	-0.10	20	-0.0062	-0.12	-0.03	26.53%	-1.57%
Volumetric Deferral/Variance Account Rider	20	0.0006	0.01	20	0.0007	0.01	0.00	16.67%	0.18%
Sub-Total: Distribution (excluding pass through)			4.65			5.37	0.72	15.53%	68.17%
Line Losses on Cost of Power	2	0.08	0.14	2	0.08	0.14	0.00	0.00%	1.82%
Sub-Total: Distribution			4.79			5.51	0.72	15.07%	70.00%
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 Service Rate	22	0.0034	0.07	22	0.0034	0.07	0.00	0.00%	0.94%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	2.02%
Sub-Total: Delivery (excluding pass through)			4.81			5.53	0.72	15.02%	70.20%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.22%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	0.00	0.00%	0.33%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	3.17%
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%	1.78%
Total Bill on Two-Tier RPP (before Taxes)			7.02			7.75	0.72	10.28%	98.33%
HST		0.13	0.91		0.13	1.01	0.09	10.28%	12.78%
Total Bill (including HST)			7.94			8.75	0.82	10.28%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.79		-0.10	-0.88	-0.08	10.28%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			7.14			7.88	0.73	10.28%	100.00%

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	25.72%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	25.72%
Service Charge	1	2.42	2.42	1	2.83	2.83	0.41	16.94%	18.67%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.1	-0.10	1	-0.13	-0.13	-0.03	30.00%	-0.86%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.13%
Distribution Volumetric Rate	50	0.1197	5.99	50	0.138	6.90	0.92	15.29%	45.51%
Volumetric Smoothing Rider	50	-0.0049	-0.25	50	-0.0062	-0.31	-0.07	26.53%	-2.04%
Volumetric Deferral/Variance Account Rider	50	0.0006	0.03	50	0.0007	0.04	0.01	16.67%	0.23%
Sub-Total: Distribution (excluding pass through)			8.11			9.35	1.24	15.23%	61.64%
Line Losses on Cost of Power	5	0.08	0.36	5	0.08	0.36	0.00	0.00%	2.37%
Sub-Total: Distribution			8.47			9.70	1.24	14.58%	64.00%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.40%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0034	0.19	55	0.0034	0.19	0.00	0.00%	1.22%
Sub-Total: Retail Transmission			0.40			0.40	0.00	0.00%	2.63%
Sub-Total: Delivery (excluding pass through)			8.51			9.74	1.24	14.51%	64.26%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.58%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.65%
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%	2.31%
Total Bill on Two-Tier RPP (before Taxes)			13.67			14.91	1.24	9.03%	98.33%
HST		0.13	1.78		0.13	1.94	0.16	9.03%	12.78%
Total Bill (including HST)			15.45			16.85	1.40	9.03%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.55		-0.10	-1.68	-0.14	9.03%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			13.91			15.16	1.26	9.03%	100.00%

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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	0.078	15.60	200	0.078	15.60	0.00	0.00%	30.24%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15.60			15.60	0.00	0.00%	30.24%
Service Charge	1	2.42	2.42	1	2.83	2.83	0.41	16.94%	5.49%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.1	-0.10	1	-0.13	-0.13	-0.03	30.00%	-0.25%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.04%
Distribution Volumetric Rate	200	0.1197	23.94	200	0.138	27.60	3.66	15.29%	53.50%
Volumetric Smoothing Rider	200	-0.0049	-0.98	200	-0.0062	-1.24	-0.26	26.53%	-2.40%
Volumetric Deferral/Variance Account Rider	200	0.0006	0.12	200	0.0007	0.14	0.02	16.67%	0.27%
Sub-Total: Distribution (excluding pass through)			25.42			29.22	3.80	14.95%	56.64%
Line Losses on Cost of Power	18	0.08	1.44	18	0.08	1.44	0.00	0.00%	2.78%
Sub-Total: Distribution			26.86			30.66	3.80	14.15%	59.43%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.0034	0.74	218	0.0034	0.74	0.00	0.00%	1.44%
Sub-Total: Retail Transmission			1.59			1.59	0.00	0.00%	3.09%
Sub-Total: Delivery (excluding pass through)			27.01			30.81	3.80	14.07%	59.74%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.86%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	0.00	0.00%	0.51%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.48%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	2.86%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.71%
Total Bill on Two-Tier RPP (before Taxes)			46.92			50.72	3.80	8.10%	98.33%
HST		0.13	6.10		0.13	6.59	0.49	8.10%	12.78%
Total Bill (including HST)			53.02			57.32	4.29	8.10%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.30		-0.10	-5.73	-0.43	8.10%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			47.72			51.58	3.86	8.10%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	14.88%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	14.88%
Service Charge	1	39.14	39.14	1	39.13	39.13	-0.01	-0.03%	74.66%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.61	-1.61	1	-1.76	-1.76	-0.15	9.32%	-3.36%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.25	0.25	-0.03	-10.71%	0.48%
Distribution Volumetric Rate	100	0.0309	3.09	100	0.0309	3.09	0.00	0.00%	5.90%
Volumetric Smoothing Rider	100	-0.0013	-0.13	100	-0.0014	-0.14	-0.01	7.69%	-0.27%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.04%
Sub-Total: Distribution (excluding pass through)			40.79			40.59	-0.20	-0.49%	77.45%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	1.37%
Sub-Total: Distribution			41.51			41.31	-0.20	-0.48%	78.82%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0047	0.51	0.00	0.00%	0.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	0.67%
Sub-Total: Retail Transmission			0.86			0.86	0.00	0.00%	1.65%
Sub-Total: Delivery (excluding pass through)			41.65			41.45	-0.20	-0.48%	79.10%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.92%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.48%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.64%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.34%
Total Bill on Two-Tier RPP (before Taxes)			51.73			51.53	-0.20	-0.39%	98.33%
HST		0.13	6.73		0.13	6.70	-0.03	-0.39%	12.78%
Total Bill (including HST)			58.46			58.23	-0.23	-0.39%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.85		-0.10	-5.82	0.02	-0.39%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			52.61			52.41	-0.20	-0.39%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	36.12%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	36.12%
Service Charge	1	39.14	39.14	1	39.13	39.13	-0.01	-0.03%	36.24%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.61	-1.61	1	-1.76	-1.76	-0.15	9.32%	-1.63%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.25	0.25	-0.03	-10.71%	0.23%
Distribution Volumetric Rate	500	0.0309	15.45	500	0.0309	15.45	0.00	0.00%	14.31%
Volumetric Smoothing Rider	500	-0.0013	-0.65	500	-0.0014	-0.70	-0.05	7.69%	-0.65%
Volumetric Deferral/Variance Account Rider	500	0.0002	0.10	500	0.0002	0.10	0.00	0.00%	0.09%
Sub-Total: Distribution (excluding pass through)			52.71			52.47	-0.24	-0.46%	48.59%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.32%
Sub-Total: Distribution			56.30			56.06	-0.24	-0.43%	51.91%
Retail Transmission Rate – Network Service Rate	546	0.0047	2.57	546	0.0047	2.57	0.00	0.00%	2.38%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.62%
Sub-Total: Retail Transmission			4.31			4.31	0.00	0.00%	3.99%
Sub-Total: Delivery (excluding pass through)			57.02			56.78	-0.24	-0.42%	52.58%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.22%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.23%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	3.06%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.24%
Total Bill on Two-Tier RPP (before Taxes)			106.42			106.18	-0.24	-0.23%	98.33%
HST		0.13	13.83		0.13	13.80	-0.03	-0.23%	12.78%
Total Bill (including HST)			120.25			119.98	-0.27	-0.23%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.03		-0.10	-12.00	0.03	-0.23%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			108.23			107.98	-0.24	-0.23%	100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	32.15%
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	12.50%
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	44.65%
Service Charge	1	39.14	39.14	1	39.13	39.13	-0.01	-0.03%	21.50%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.61	-1.61	1	-1.76	-1.76	-0.15	9.32%	-0.97%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.25	0.25	-0.03	-10.71%	0.14%
Distribution Volumetric Rate	1,000	0.0309	30.90	1,000	0.0309	30.90	0.00	0.00%	16.98%
Volumetric Smoothing Rider	1,000	-0.0013	-1.30	1,000	-0.0014	-1.40	-0.10	7.69%	-0.77%
Volumetric Deferral/Variance Account Rider	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.11%
Sub-Total: Distribution (excluding pass through)			67.61			67.32	-0.29	-0.43%	36.99%
Line Losses on Cost of Power	92	0.09	8.37	92	0.09	8.37	0.00	0.00%	4.60%
Sub-Total: Distribution			75.98			75.69	-0.29	-0.38%	41.59%
Retail Transmission Rate – Network Service Rate	1,092	0.0047	5.13	1,092	0.0047	5.13	0.00	0.00%	2.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0032	3.49	1,092	0.0032	3.49	0.00	0.00%	1.92%
Sub-Total: Retail Transmission			8.63			8.63	0.00	0.00%	4.74%
Sub-Total: Delivery (excluding pass through)			76.24			75.95	-0.29	-0.38%	41.73%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.64%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	0.00	0.00%	0.72%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.50%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.85%
Total Bill on Two-Tier RPP (before Taxes)			179.22			178.93	-0.29	-0.16%	98.33%
HST		0.13	23.30		0.13	23.26	-0.04	-0.16%	12.78%
Total Bill (including HST)			202.52			202.20	-0.33	-0.16%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.25		-0.10	-20.22	0.03	-0.16%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			182.27			181.98	-0.29	-0.16%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	39.68%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	39.68%
Service Charge	1	82.14	82.14	1	88.72	88.72	6.58	8.01%	3.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.38	-3.38	1	-3.98	-3.98	-0.60	17.75%	-0.13%
Fixed Deferral/Variance Account Rider	1	0.49	0.49	1	0.49	0.49	0.00	0.00%	0.02%
Distribution Volumetric Rate	60	14.5768	874.61	60	15.9486	956.92	82.31	9.41%	32.46%
Volumetric Smoothing Rider	60	-0.5993	-35.96	60	-0.7158	-42.95	-6.99	19.44%	-1.46%
Volumetric Deferral/Variance Account Rider	60	0.0608	3.65	60	0.062	3.72	0.07	1.97%	0.13%
Sub-Total: Distribution (excluding pass through)			921.55			1,002.92	81.37	8.83%	34.02%
Line Losses on Cost of Power	915	0.08	71.37	915	0.08	71.37	0.00	0.00%	2.42%
Sub-Total: Distribution			992.92			1,074.29	81.37	8.20%	36.44%
Retail Transmission Rate – Network Service Rate	60	1.6926	101.56	60	1.6926	101.56	0.00	0.00%	3.44%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.1477	68.86	60	1.1477	68.86	0.00	0.00%	2.34%
Sub-Total: Retail Transmission			170.42			170.42	0.00	0.00%	5.78%
Sub-Total: Delivery			1,091.97			1,173.34	81.37	7.45%	39.80%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.38%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	0.00	0.00%	0.65%
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			89.37			89.37	0.00	0.00%	3.03%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.56%
Total Bill on Two-Tier RPP (before Taxes)			2,527.71			2,609.08	81.37	3.22%	88.50%
HST		0.13	328.60		0.13	339.18	10.58	3.22%	11.50%
Total Bill (including HST)			2,856.31			2,948.26	91.95	3.22%	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 HST and OCEB)			2,856.31			2,948.26	91.95	3.22%	100.00%

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	43.06%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	43.06%
Service Charge	1	82.14	82.14	1	88.72	88.72	6.58	8.01%	1.40%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.38	-3.38	1	-3.98	-3.98	-0.60	17.75%	-0.06%
Fixed Deferral/Variance Account Rider	1	0.49	0.49	1	0.49	0.49	0.00	0.00%	0.01%
Distribution Volumetric Rate	120	14.5768	1,749.22	120	15.9486	1,913.83	164.62	9.41%	30.18%
Volumetric Smoothing Rider	120	-0.5993	-71.92	120	-0.7158	-85.90	-13.98	19.44%	-1.35%
Volumetric Deferral/Variance Account Rider	120	0.0608	7.30	120	0.062	7.44	0.14	1.97%	0.12%
Sub-Total: Distribution (excluding pass through)			1,763.85			1,920.61	156.76	8.89%	30.29%
Line Losses on Cost of Power	2,135	0.08	166.53	2,135	0.08	166.53	0.00	0.00%	2.63%
Sub-Total: Distribution			1,930.38			2,087.14	156.76	8.12%	32.92%
Retail Transmission Rate – Network Service Rate	120	1.6926	203.11	120	1.6926	203.11	0.00	0.00%	3.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.1477	137.72	120	1.1477	137.72	0.00	0.00%	2.17%
Sub-Total: Retail Transmission			340.84			340.84	0.00	0.00%	5.38%
Sub-Total: Delivery			2,104.68			2,261.44	156.76	7.45%	35.67%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.58%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	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%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	3.28%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.86%
Total Bill on Two-Tier RPP (before Taxes)			5,454.42			5,611.18	156.76	2.87%	88.50%
HST		0.13	709.07		0.13	729.45	20.38	2.87%	11.50%
Total Bill (including HST)			6,163.49			6,340.63	177.14	2.87%	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 HST and OCEB)			6,163.49			6,340.63	177.14	2.87%	100.00%

2016 Bill Impacts (High Consumption Level)

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	46.64%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	46.64%
Service Charge	1	82.14	82.14	1	88.72	88.72	6.58	8.01%	0.30%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.38	-3.38	1	-3.98	-3.98	-0.60	17.75%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.49	0.49	1	0.49	0.49	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	14.5768	7,288.40	500	15.9486	7,974.30	685.90	9.41%	27.25%
Volumetric Smoothing Rider	500	-0.5993	-299.65	500	-0.7158	-357.90	-58.25	19.44%	-1.22%
Volumetric Deferral/Variance Account Rider	500	0.0608	30.40	500	0.062	31.00	0.60	1.97%	0.11%
Sub-Total: Distribution (excluding pass through)			7,098.40			7,732.63	634.23	8.93%	26.42%
Line Losses on Cost of Power	10,675	0.08	832.65	10,675	0.08	832.65	0.00	0.00%	2.84%
Sub-Total: Distribution			7,931.05			8,565.28	634.23	8.00%	29.27%
Retail Transmission Rate – Network Service Rate	500	1.6926	846.30	500	1.6926	846.30	0.00	0.00%	2.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.1477	573.85	500	1.1477	573.85	0.00	0.00%	1.96%
Sub-Total: Retail Transmission			1,420.15			1,420.15	0.00	0.00%	4.85%
Sub-Total: Delivery			8,518.55			9,152.78	634.23	7.45%	31.27%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.79%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.76%
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			1,040.03			1,040.03	0.00	0.00%	3.55%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.19%
Total Bill on Two-Tier RPP (before Taxes)			25,266.23			25,900.46	634.23	2.51%	88.50%
HST		0.13	3,284.61		0.13	3,367.06	82.45	2.51%	11.50%
Total Bill (including HST)			28,550.84			29,267.52	716.68	2.51%	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 HST and OCEB)			28,550.84			29,267.52	716.68	2.51%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	46.13%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	46.13%
Service Charge	1	84.4	84.40	1	91.46	91.46	7.06	8.36%	3.61%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.47	-3.47	1	-4.1	-4.10	-0.63	18.16%	-0.16%
Fixed Deferral/Variance Account Rider	1	0.5	0.50	1	0.51	0.51	0.01	2.00%	0.02%
Distribution Volumetric Rate	60	8.3437	500.62	60	9.1105	546.63	46.01	9.19%	21.55%
Volumetric Smoothing Rider	60	-0.3431	-20.59	60	-0.4089	-24.53	-3.95	19.18%	-0.97%
Volumetric Deferral/Variance Account Rider	60	0.0285	1.71	60	0.0291	1.75	0.04	2.11%	0.07%
Sub-Total: Distribution (excluding pass through)			563.18			611.71	48.54	8.62%	24.12%
Line Losses on Cost of Power	750	0.08	58.50	750	0.08	58.50	0.00	0.00%	2.31%
Sub-Total: Distribution			621.68			670.21	48.54	7.81%	26.43%
Retail Transmission Rate – Network Service Rate	60	2.1155	126.93	60	2.1155	126.93	0.00	0.00%	5.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.3969	83.81	60	1.3969	83.81	0.00	0.00%	3.30%
Sub-Total: Retail Transmission			210.74			210.74	0.00	0.00%	8.31%
Sub-Total: Delivery			773.92			822.46	48.54	6.27%	32.43%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.73%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	0.00	0.00%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			88.45			88.45	0.00	0.00%	3.49%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.14%
Total Bill on Two-Tier RPP (before Taxes)			2,195.87			2,244.41	48.54	2.21%	88.50%
HST		0.13	285.46		0.13	291.77	6.31	2.21%	11.50%
Total Bill (including HST)			2,481.33			2,536.18	54.85	2.21%	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 HST and OCEB)			2,481.33			2,536.18	54.85	2.21%	100.00%

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	49.56%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	49.56%
Service Charge	1	84.4	84.40	1	91.46	91.46	7.06	8.36%	1.66%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.47	-3.47	1	-4.1	-4.10	-0.63	18.16%	-0.07%
Fixed Deferral/Variance Account Rider	1	0.5	0.50	1	0.51	0.51	0.01	2.00%	0.01%
Distribution Volumetric Rate	120	8.3437	1,001.24	120	9.1105	1,093.26	92.02	9.19%	19.85%
Volumetric Smoothing Rider	120	-0.3431	-41.17	120	-0.4089	-49.07	-7.90	19.18%	-0.89%
Volumetric Deferral/Variance Account Rider	120	0.0285	3.42	120	0.0291	3.49	0.07	2.11%	0.06%
Sub-Total: Distribution (excluding pass through)			1,044.92			1,135.55	90.63	8.67%	20.62%
Line Losses on Cost of Power	1,750	0.08	136.50	1,750	0.08	136.50	0.00	0.00%	2.48%
Sub-Total: Distribution			1,181.42			1,272.05	90.63	7.67%	23.09%
Retail Transmission Rate – Network Service Rate	120	2.1155	253.86	120	2.1155	253.86	0.00	0.00%	4.61%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.3969	167.63	120	1.3969	167.63	0.00	0.00%	3.04%
Sub-Total: Retail Transmission			421.49			421.49	0.00	0.00%	7.65%
Sub-Total: Delivery			1,466.41			1,557.04	90.63	6.18%	28.27%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.94%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	0.00	0.00%	0.80%
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			206.05			206.05	0.00	0.00%	3.74%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.45%
Total Bill on Two-Tier RPP (before Taxes)			4,783.96			4,874.59	90.63	1.89%	88.50%
HST		0.13	621.91		0.13	633.70	11.78	1.89%	11.50%
Total Bill (including HST)			5,405.87			5,508.29	102.41	1.89%	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 HST and OCEB)			5,405.87			5,508.29	102.41	1.89%	100.00%

2016 Bill Impacts (High Consumption Level)

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	52.99%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	52.99%
Service Charge	1	84.4	84.40	1	91.46	91.46	7.06	8.36%	0.36%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.47	-3.47	1	-4.1	-4.10	-0.63	18.16%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.5	0.50	1	0.51	0.51	0.01	2.00%	0.00%
Distribution Volumetric Rate	500	8.3437	4,171.85	500	9.1105	4,555.25	383.40	9.19%	17.68%
Volumetric Smoothing Rider	500	-0.3431	-171.55	500	-0.4089	-204.45	-32.90	19.18%	-0.79%
Volumetric Deferral/Variance Account Rider	500	0.0285	14.25	500	0.0291	14.55	0.30	2.11%	0.06%
Sub-Total: Distribution (excluding pass through)			4,095.98			4,453.22	357.24	8.72%	17.29%
Line Losses on Cost of Power	8,750	0.08	682.50	8,750	0.08	682.50	0.00	0.00%	2.65%
Sub-Total: Distribution			4,778.48			5,135.72	357.24	7.48%	19.94%
Retail Transmission Rate – Network Service Rate	500	2.1155	1,057.75	500	2.1155	1,057.75	0.00	0.00%	4.11%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.3969	698.45	500	1.3969	698.45	0.00	0.00%	2.71%
Sub-Total: Retail Transmission			1,756.20			1,756.20	0.00	0.00%	6.82%
Sub-Total: Delivery			5,852.18			6,209.42	357.24	6.10%	24.11%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	3.14%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	0.00	0.00%	0.86%
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			1,029.25			1,029.25	0.00	0.00%	4.00%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.76%
Total Bill on Two-Tier RPP (before Taxes)			22,438.93			22,796.17	357.24	1.59%	88.50%
HST		0.13	2,917.06		0.13	2,963.50	46.44	1.59%	11.50%
Total Bill (including HST)			25,355.99			25,759.67	403.68	1.59%	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 HST and OCEB)			25,355.99			25,759.67	403.68	1.59%	100.00%

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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)	300	0.078	23.40	300	0.078	23.40	0.00	0.00%	7.28%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			23.40			23.40	0.00	0.00%	7.28%
Service Charge	1	166.48	166.48	1	207.03	207.03	40.55	24.36%	64.43%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-6.84	-6.84	1	-9.29	-9.29	-2.45	35.82%	-2.89%
Fixed Deferral/Variance Account Rider	1	1.46	1.46	1	1.65	1.65	0.19	13.01%	0.51%
Distribution Volumetric Rate	10	3.3127	33.13	10	4.8322	48.32	15.20	45.87%	15.04%
Volumetric Smoothing Rider	10	-0.1362	-1.36	10	-0.2169	-2.17	-0.81	59.25%	-0.68%
Volumetric Deferral/Variance Account Rider	10	0.0238	0.24	10	0.033	0.33	0.09	38.66%	0.10%
Sub-Total: Distribution (excluding pass through)			193.10			245.87	52.77	27.33%	76.52%
Line Losses on Cost of Power	18	0.08	1.43	18	0.08	1.43	0.00	0.00%	0.44%
Sub-Total: Distribution			194.53			247.30	52.77	27.13%	76.97%
Retail Transmission Rate – Network Service Rate	10	0.5719	5.72	10	0.5719	5.72	0.00	0.00%	1.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3796	3.80	10	0.3796	3.80	0.00	0.00%	1.18%
Sub-Total: Retail Transmission			9.52			9.52	0.00	0.00%	2.96%
Sub-Total: Delivery			202.62			255.39	52.77	26.04%	79.48%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.44%
Rural Rate Protection Charge	318	0.0012	0.38	318	0.0012	0.38	0.00	0.00%	0.12%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%
Sub-Total: Regulatory			2.03			2.03	0.00	0.00%	0.63%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.65%
Total Bill on Two-Tier RPP (before Taxes)			231.58			284.35	52.77	22.79%	88.50%
HST			30.11		0.13	36.97	6.86	22.79%	11.50%
Total Bill (including HST)			261.68			321.31	59.63	22.79%	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 HST and OCEB)			261.68			321.31	59.63	22.79%	100.00%

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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)	2,000	0.078	156.00	2,000	0.078	156.00	0.00	0.00%	27.44%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			156.00			156.00	0.00	0.00%	27.44%
Service Charge	1	166.48	166.48	1	207.03	207.03	40.55	24.36%	36.42%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-6.84	-6.84	1	-9.29	-9.29	-2.45	35.82%	-1.63%
Fixed Deferral/Variance Account Rider	1	1.46	1.46	1	1.65	1.65	0.19	13.01%	0.29%
Distribution Volumetric Rate	20	3.3127	66.25	20	4.8322	96.64	30.39	45.87%	17.00%
Volumetric Smoothing Rider	20	-0.1362	-2.72	20	-0.2169	-4.34	-1.61	59.25%	-0.76%
Volumetric Deferral/Variance Account Rider	20	0.0238	0.48	20	0.033	0.66	0.18	38.66%	0.12%
Sub-Total: Distribution (excluding pass through)			225.11			292.36	67.25	29.87%	51.43%
Line Losses on Cost of Power	122	0.08	9.52	122	0.08	9.52	0.00	0.00%	1.67%
Sub-Total: Distribution			234.62			301.87	67.25	28.66%	53.11%
Retail Transmission Rate – Network Service Rate	20	0.5719	11.44	20	0.5719	11.44	0.00	0.00%	2.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3796	7.59	20	0.3796	7.59	0.00	0.00%	1.34%
Sub-Total: Retail Transmission			19.03			19.03	0.00	0.00%	3.35%
Sub-Total: Delivery			244.14			311.39	67.25	27.55%	54.78%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.64%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	2.13%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.46%
Total Bill on Two-Tier RPP (before Taxes)			435.79			503.04	67.25	15.43%	88.50%
HST		0.13	56.65		0.13	65.39	8.74	15.43%	11.50%
Total Bill (including HST)			492.44			568.43	75.99	15.43%	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 HST and OCEB)			492.44			568.43	75.99	15.43%	100.00%

2016 Bill Impacts (High Consumption Level)

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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)	5,000	0.078	390.00	5,000	0.078	390.00	0.00	0.00%	27.88%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			390.00			390.00	0.00	0.00%	27.88%
Service Charge	1	166.48	166.48	1	207.03	207.03	40.55	24.36%	14.80%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-6.84	-6.84	1	-9.29	-9.29	-2.45	35.82%	-0.66%
Fixed Deferral/Variance Account Rider	1	1.46	1.46	1	1.65	1.65	0.19	13.01%	0.12%
Distribution Volumetric Rate	100	3.3127	331.27	100	4.8322	483.22	151.95	45.87%	34.54%
Volumetric Smoothing Rider	100	-0.1362	-13.62	100	-0.2169	-21.69	-8.07	59.25%	-1.55%
Volumetric Deferral/Variance Account Rider	100	0.0238	2.38	100	0.033	3.30	0.92	38.66%	0.24%
Sub-Total: Distribution (excluding pass through)			481.13			664.22	183.09	38.05%	47.48%
Line Losses on Cost of Power	305	0.08	23.79	305	0.08	23.79	0.00	0.00%	1.70%
Sub-Total: Distribution			504.92			688.01	183.09	36.26%	49.18%
Retail Transmission Rate – Network Service Rate	100	0.5719	57.19	100	0.5719	57.19	0.00	0.00%	4.09%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3796	37.96	100	0.3796	37.96	0.00	0.00%	2.71%
Sub-Total: Retail Transmission			95.15			95.15	0.00	0.00%	6.80%
Sub-Total: Delivery			576.28			759.37	183.09	31.77%	54.28%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.67%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	2.14%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.50%
Total Bill on Two-Tier RPP (before Taxes)			1,055.03			1,238.12	183.09	17.35%	88.50%
HST		0.13	137.15		0.13	160.96	23.80	17.35%	11.50%
Total Bill (including HST)			1,192.18			1,399.07	206.89	17.35%	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 HST and OCEB)			1,192.18			1,399.07	206.89	17.35%	100.00%

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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)	200,000	0.078	15,600.00	200,000	0.078	15,600.00	0.00	0.00%	58.25%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,600.00			15,600.00	0.00	0.00%	58.25%
Service Charge	1	1132.74	1,132.74	1	1225.03	1,225.03	92.29	8.15%	4.57%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-35.52	-35.52	1	-41.53	-41.53	-6.01	16.92%	-0.16%
Fixed Deferral/Variance Account Rider	1	5.04	5.04	1	4.99	4.99	-0.05	-0.99%	0.02%
Distribution Volumetric Rate	500	1.1585	579.25	500	1.2945	647.25	68.00	11.74%	2.42%
Volumetric Smoothing Rider	500	-0.0528	-26.40	500	-0.0626	-31.30	-4.90	18.56%	-0.12%
Volumetric Deferral/Variance Account Rider	500	0.1906	95.30	500	0.1913	95.65	0.35	0.37%	0.36%
Sub-Total: Distribution (excluding pass through)			1,750.41			1,900.09	149.68	8.55%	7.09%
Line Losses on Cost of Power	6,800	0.08	530.40	6,800	0.08	530.40	0.00	0.00%	1.98%
Sub-Total: Distribution			2,280.81			2,430.49	149.68	6.56%	9.08%
Retail Transmission Rate – Network Service Rate	500	3.5856	1,792.80	500	3.5856	1,792.80	0.00	0.00%	6.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6378	1,318.90	500	2.6378	1,318.90	0.00	0.00%	4.92%
Sub-Total: Retail Transmission			3,111.70			3,111.70	0.00	0.00%	11.62%
Sub-Total: Delivery			4,862.11			5,011.79	149.68	3.08%	18.71%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.40%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.33%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	5.23%
Total Bill on Two-Tier RPP (before Taxes)			23,550.84			23,700.52	149.68	0.64%	88.50%
HST		0.13	3,061.61		0.13	3,081.07	19.46	0.64%	11.50%
Total Bill (including HST)			26,612.45			26,781.59	169.14	0.64%	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 HST and OCEB)			26,612.45			26,781.59	169.14	0.64%	100.00%

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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)	500,000	0.078	39,000.00	500,000	0.078	39,000.00	0.00	0.00%	62.12%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39,000.00			39,000.00	0.00	0.00%	62.12%
Service Charge	1	1132.74	1,132.74	1	1225.03	1,225.03	92.29	8.15%	1.95%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-35.52	-35.52	1	-41.53	-41.53	-6.01	16.92%	-0.07%
Fixed Deferral/Variance Account Rider	1	5.04	5.04	1	4.99	4.99	-0.05	-0.99%	0.01%
Distribution Volumetric Rate	1,000	1.1585	1,158.50	1,000	1.2945	1,294.50	136.00	11.74%	2.06%
Volumetric Smoothing Rider	1,000	-0.0528	-52.80	1,000	-0.0626	-62.60	-9.80	18.56%	-0.10%
Volumetric Deferral/Variance Account Rider	1,000	0.1906	190.60	1,000	0.1913	191.30	0.70	0.37%	0.30%
Sub-Total: Distribution (excluding pass through)			2,398.56			2,611.69	213.13	8.89%	4.16%
Line Losses on Cost of Power	17,000	0.08	1,326.00	17,000	0.08	1,326.00	0.00	0.00%	2.11%
Sub-Total: Distribution			3,724.56			3,937.69	213.13	5.72%	6.27%
Retail Transmission Rate – Network Service Rate	1,000	3.5856	3,585.60	1,000	3.5856	3,585.60	0.00	0.00%	5.71%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6378	2,637.80	1,000	2.6378	2,637.80	0.00	0.00%	4.20%
Sub-Total: Retail Transmission			6,223.40			6,223.40	0.00	0.00%	9.91%
Sub-Total: Delivery			8,621.96			8,835.09	213.13	2.47%	14.07%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.62%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	0.00	0.00%	0.99%
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			2,895.45			2,895.45	0.00	0.00%	4.61%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.58%
Total Bill on Two-Tier RPP (before Taxes)			55,343.41			55,556.54	213.13	0.39%	88.50%
HST		0.13	7,194.64		0.13	7,222.35	27.71	0.39%	11.50%
Total Bill (including HST)			62,538.05			62,778.89	240.84	0.39%	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 HST and OCEB)			62,538.05			62,778.89	240.84	0.39%	100.00%

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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)	4,000,000	0.078	312,000.00	4,000,000	0.078	312,000.00	0.00	0.00%	61.16%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			312,000.00			312,000.00	0.00	0.00%	61.16%
Service Charge	1	1132.74	1,132.74	1	1225.03	1,225.03	92.29	8.15%	0.24%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-35.52	-35.52	1	-41.53	-41.53	-6.01	16.92%	-0.01%
Fixed Deferral/Variance Account Rider	1	5.04	5.04	1	4.99	4.99	-0.05	-0.99%	0.00%
Distribution Volumetric Rate	10,000	1.1585	11,585.00	10,000	1.2945	12,945.00	1,360.00	11.74%	2.54%
Volumetric Smoothing Rider	10,000	-0.0528	-528.00	10,000	-0.0626	-626.00	-98.00	18.56%	-0.12%
Volumetric Deferral/Variance Account Rider	10,000	0.1906	1,906.00	10,000	0.1913	1,913.00	7.00	0.37%	0.38%
Sub-Total: Distribution (excluding pass through)			14,065.26			15,420.49	1,355.23	9.64%	3.02%
Line Losses on Cost of Power	136,000	0.08	10,608.00	136,000	0.08	10,608.00	0.00	0.00%	2.08%
Sub-Total: Distribution			24,673.26			26,028.49	1,355.23	5.49%	5.10%
Retail Transmission Rate – Network Service Rate	10,000	3.5856	35,856.00	10,000	3.5856	35,856.00	0.00	0.00%	7.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6378	26,378.00	10,000	2.6378	26,378.00	0.00	0.00%	5.17%
Sub-Total: Retail Transmission			62,234.00			62,234.00	0.00	0.00%	12.20%
Sub-Total: Delivery			76,299.26			77,654.49	1,355.23	1.78%	15.22%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.57%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.97%
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			23,161.85			23,161.85	0.00	0.00%	4.54%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.49%
Total Bill on Two-Tier RPP (before Taxes)			450,069.11			451,424.34	1,355.23	0.30%	88.50%
HST		0.13	58,508.98		0.13	58,685.16	176.18	0.30%	11.50%
Total Bill (including HST)			508,578.09			510,109.50	1,531.41	0.30%	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 HST and OCEB)			508,578.09			510,109.50	1,531.41	0.30%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	22.52%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	22.52%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		12.15%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		5.31%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		6.33%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	24.22%	23.79%
Service Charge	1	20.84	20.84	1	20.51	20.51	-0.33	-1.58%	59.21%	58.14%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.94	-0.94	1	-0.28	-0.28	0.66	-70.21%	-0.81%	-0.79%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.61%	0.60%
Distribution Volumetric Rate	100	0.0184	1.84	100	0.0183	1.83	-0.01	-0.54%	5.28%	5.19%
Volumetric Smoothing Rider	100	-0.0008	-0.08	100	-0.0003	-0.03	0.05	-62.50%	-0.09%	-0.09%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			21.89			22.25	0.36	1.64%	64.23%	63.07%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.28%	2.24%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.08	0.44	6	0.08	0.44	0.00	0.00%	1.28%	1.26%
Line Losses on Cost of Power (based on TOU prices)	6	0.08	0.48	6	0.08	0.48	0.00	0.00%	1.38%	1.36%
Sub-Total: Distribution (based on two-tier RPP prices)			23.12			23.48	0.36	1.56%	67.79%	66.57%
Sub-Total: Distribution (based on TOU prices)			23.16			23.52	0.36	1.55%	67.89%	66.66%
Retail Transmission Rate – Network Service Rate	106	0.0067	0.71	106	0.0067	0.71	0.00	0.00%	2.04%	2.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	106	0.005	0.53	106	0.005	0.53	0.00	0.00%	1.53%	1.50%
Sub-Total: Retail Transmission			1.24			1.24	0.00	0.00%	3.57%	3.51%
Sub-Total: Delivery (excluding pass through)			23.13			23.49	0.36	1.56%	67.80%	66.57%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.34%	1.32%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	0.00	0.00%	0.37%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.72%	0.71%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.43%	2.39%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.02%	1.98%
Total Bill on Two-Tier RPP (before Taxes)			33.70			34.06	0.36	1.07%	98.33%	
HST		0.13	4.38		0.13	4.43	0.05	1.07%	12.78%	
Total Bill (including HST)			38.08			38.49	0.41	1.07%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.81		-0.10	-3.85	-0.04	1.07%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			34.28			34.64	0.37	1.07%	100.00%	
Total Bill on TOU (before Taxes)			34.33			34.69	0.36	1.05%		98.33%
HST		0.13	4.46		0.13	4.51	0.05	1.05%		12.78%
Total Bill (including HST)			38.79			39.20	0.41	1.05%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.88		-0.10	-3.92	-0.04	1.05%		-11.11%
Total Bill on TOU (including HST and OCEB)			34.91			35.28	0.37	1.05%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	36.71%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	14.28%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	50.99%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		26.53%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		11.58%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		13.81%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	52.67%	51.92%
Service Charge	1	20.84	20.84	1	20.51	20.51	-0.33	-1.58%	16.09%	15.86%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.94	-0.94	1	-0.28	-0.28	0.66	-70.21%	-0.22%	-0.22%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.16%	0.16%
Distribution Volumetric Rate	800	0.0184	14.72	800	0.0183	14.64	-0.08	-0.54%	11.49%	11.32%
Volumetric Smoothing Rider	800	-0.0008	-0.64	800	-0.0003	-0.24	0.40	-62.50%	-0.19%	-0.19%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			34.28			34.92	0.64	1.87%	27.39%	27.00%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.62%	0.61%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.09	4.15	46	0.09	4.15	0.00	0.00%	3.26%	3.21%
Line Losses on Cost of Power (based on TOU prices)	46	0.08	3.83	46	0.08	3.83	0.00	0.00%	3.00%	2.96%
Sub-Total: Distribution (based on two-tier RPP prices)			39.22			39.86	0.64	1.63%	31.27%	30.82%
Sub-Total: Distribution (based on TOU prices)			38.90			39.54	0.64	1.65%	31.02%	30.57%
Retail Transmission Rate – Network Service Rate	846	0.0067	5.67	846	0.0067	5.67	0.00	0.00%	4.44%	4.38%
Retail Transmission Rate – Line and Transformation Connection Service Rate	846	0.005	4.23	846	0.005	4.23	0.00	0.00%	3.32%	3.27%
Sub-Total: Retail Transmission			9.89			9.89	0.00	0.00%	7.76%	7.65%
Sub-Total: Delivery (excluding pass through)			44.17			44.81	0.64	1.45%	35.16%	34.66%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.92%	2.88%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.80%	0.78%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.19%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.91%	3.86%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.39%	4.33%
Total Bill on Two-Tier RPP (before Taxes)			124.70			125.34	0.64	0.51%	98.33%	
HST		0.13	16.21		0.13	16.29	0.08	0.51%	12.78%	
Total Bill (including HST)			140.91			141.63	0.72	0.51%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.09		-0.10	-14.16	-0.07	0.51%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			126.82			127.47	0.65	0.51%	100.00%	
Total Bill on TOU (before Taxes)			126.51			127.15	0.64	0.51%		98.33%
HST		0.13	16.45		0.13	16.53	0.08	0.51%		12.78%
Total Bill (including HST)			142.96			143.68	0.72	0.51%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.30		-0.10	-14.37	-0.07	0.51%		-11.11%
Total Bill on TOU (including HST and OCEB)			128.66			129.31	0.65	0.51%		100.00%

2017 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	15.72%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	42.78%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	58.49%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		29.52%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.89%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		15.37%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	56.36%	57.77%
Service Charge	1	20.84	20.84	1	20.51	20.51	-0.33	-1.58%	6.89%	7.06%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.94	-0.94	1	-0.28	-0.28	0.66	-70.21%	-0.09%	-0.10%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0184	36.80	2,000	0.0183	36.60	-0.20	-0.54%	12.29%	12.60%
Volumetric Smoothing Rider	2,000	-0.0008	-1.60	2,000	-0.0003	-0.60	1.00	-62.50%	-0.20%	-0.21%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			55.52			56.64	1.12	2.02%	19.02%	19.50%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.27%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.09	10.37	114	0.09	10.37	0.00	0.00%	3.48%	3.57%
Line Losses on Cost of Power (based on TOU prices)	114	0.08	9.57	114	0.08	9.57	0.00	0.00%	3.21%	3.29%
Sub-Total: Distribution (based on two-tier RPP prices)			66.68			67.80	1.12	1.68%	22.77%	23.34%
Sub-Total: Distribution (based on TOU prices)			65.88			67.00	1.12	1.70%	22.50%	23.06%
Retail Transmission Rate – Network Service Rate	2,114	0.0067	14.16	2,114	0.0067	14.16	0.00	0.00%	4.76%	4.88%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,114	0.005	10.57	2,114	0.005	10.57	0.00	0.00%	3.55%	3.64%
Sub-Total: Retail Transmission			24.73			24.73	0.00	0.00%	8.31%	8.51%
Sub-Total: Delivery (excluding pass through)			80.25			81.37	1.12	1.40%	27.32%	28.01%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	3.12%	3.20%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	0.00	0.00%	0.85%	0.87%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.09%
Sub-Total: Regulatory			12.09			12.09	0.00	0.00%	4.06%	4.16%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.70%	4.82%
Total Bill on Two-Tier RPP (before Taxes)			291.71			292.83	1.12	0.38%	98.33%	
HST		0.13	37.92		0.13	38.07	0.15	0.38%	12.78%	
Total Bill (including HST)			329.63			330.89	1.27	0.38%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-32.96		-0.10	-33.09	-0.13	0.38%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			296.67			297.80	1.14	0.38%	100.00%	
Total Bill on TOU (before Taxes)			284.54			285.66	1.12	0.39%		98.33%
HST		0.13	36.99		0.13	37.14	0.15	0.39%		12.78%
Total Bill (including HST)			321.53			322.79	1.27	0.39%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-32.15		-0.10	-32.28	-0.13	0.39%		-11.11%
Total Bill on TOU (including HST and OCEB)			289.38			290.52	1.14	0.39%		100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	17.44%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	17.44%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		9.45%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		4.12%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		4.92%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	18.76%	18.49%
Service Charge	1	29.2	29.20	1	28.95	28.95	-0.25	-0.86%	64.71%	63.79%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.31	-1.31	1	-0.40	-0.40	0.91	-69.47%	-0.89%	-0.88%
Fixed Deferral/Variance Account Rider	1	0.26	0.26	1	0.25	0.25	-0.01	-3.85%	0.56%	0.55%
Distribution Volumetric Rate	100	0.033	3.30	100	0.0329	3.29	-0.01	-0.30%	7.35%	7.25%
Volumetric Smoothing Rider	100	-0.0015	-0.15	100	-0.0005	-0.05	0.10	-66.67%	-0.11%	-0.11%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			31.32			32.06	0.74	2.36%	71.66%	70.64%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.77%	1.74%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.08	0.59	8	0.08	0.59	0.00	0.00%	1.33%	1.31%
Line Losses on Cost of Power (based on TOU prices)	8	0.08	0.64	8	0.08	0.64	0.00	0.00%	1.43%	1.41%
Sub-Total: Distribution (based on two-tier RPP prices)			32.70			33.44	0.74	2.26%	74.75%	73.69%
Sub-Total: Distribution (based on TOU prices)			32.75			33.49	0.74	2.26%	74.85%	73.79%
Retail Transmission Rate – Network Service Rate	108	0.0063	0.68	108	0.0063	0.68	0.00	0.00%	1.52%	1.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	108	0.0048	0.52	108	0.0048	0.52	0.00	0.00%	1.15%	1.14%
Sub-Total: Retail Transmission			1.19			1.19	0.00	0.00%	2.67%	2.63%
Sub-Total: Delivery (excluding pass through)			32.51			33.25	0.74	2.28%	74.33%	73.27%
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	0.0012	0.13	108	0.0012	0.13	0.00	0.00%	0.29%	0.28%
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			0.85			0.85	0.00	0.00%	1.91%	1.88%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.56%	1.54%
Total Bill on Two-Tier RPP (before Taxes)			43.25			43.99	0.74	1.71%	98.33%	
HST		0.13	5.62		0.13	5.72	0.10	1.71%	12.78%	
Total Bill (including HST)			48.87			49.71	0.84	1.71%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.89		-0.10	-4.97	-0.08	1.71%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			43.98			44.74	0.75	1.71%	100.00%	
Total Bill on TOU (before Taxes)			43.89			44.63	0.74	1.69%		98.33%
HST		0.13	5.71		0.13	5.80	0.10	1.69%		12.78%
Total Bill (including HST)			49.59			50.43	0.84	1.69%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.96		-0.10	-5.04	-0.08	1.69%		-11.11%
Total Bill on TOU (including HST and OCEB)			44.63			45.39	0.75	1.69%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	31.43%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	12.22%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	43.65%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		22.77%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		9.94%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		11.85%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	45.08%	44.56%
Service Charge	1	29.2	29.20	1	28.95	28.95	-0.25	-0.86%	19.44%	19.22%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.31	-1.31	1	-0.40	-0.40	0.91	-69.47%	-0.27%	-0.27%
Fixed Deferral/Variance Account Rider	1	0.26	0.26	1	0.25	0.25	-0.01	-3.85%	0.17%	0.17%
Distribution Volumetric Rate	800	0.033	26.40	800	0.0329	26.32	-0.08	-0.30%	17.67%	17.47%
Volumetric Smoothing Rider	800	-0.0015	-1.20	800	-0.0005	-0.40	0.80	-66.67%	-0.27%	-0.27%
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)			53.51			54.88	1.37	2.56%	36.85%	36.43%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.53%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.09	5.53	61	0.09	5.53	0.00	0.00%	3.72%	3.67%
Line Losses on Cost of Power (based on TOU prices)	61	0.08	5.10	61	0.08	5.10	0.00	0.00%	3.43%	3.39%
Sub-Total: Distribution (based on two-tier RPP prices)			59.83			61.20	1.37	2.29%	41.10%	40.63%
Sub-Total: Distribution (based on TOU prices)			59.40			60.77	1.37	2.31%	40.81%	40.34%
Retail Transmission Rate – Network Service Rate	861	0.0063	5.42	861	0.0063	5.42	0.00	0.00%	3.64%	3.60%
Retail Transmission Rate – Line and Transformation Connection Service Rate	861	0.0048	4.13	861	0.0048	4.13	0.00	0.00%	2.77%	2.74%
Sub-Total: Retail Transmission			9.55			9.55	0.00	0.00%	6.42%	6.34%
Sub-Total: Delivery (excluding pass through)			63.06			64.43	1.37	2.17%	43.27%	42.77%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.54%	2.51%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.69%	0.69%
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%	3.40%	3.37%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.76%	3.72%
Total Bill on Two-Tier RPP (before Taxes)			145.06			146.43	1.37	0.94%	98.33%	
HST		0.13	18.86		0.13	19.04	0.18	0.94%	12.78%	
Total Bill (including HST)			163.92			165.46	1.55	0.94%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.39		-0.10	-16.55	-0.15	0.94%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			147.52			148.92	1.39	0.94%	100.00%	
Total Bill on TOU (before Taxes)			146.76			148.13	1.37	0.93%		98.33%
HST		0.13	19.08		0.13	19.26	0.18	0.93%		12.78%
Total Bill (including HST)			165.84			167.39	1.55	0.93%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.58		-0.10	-16.74	-0.15	0.93%		-11.11%
Total Bill on TOU (including HST and OCEB)			149.26			150.65	1.39	0.93%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	13.82%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	37.62%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	51.44%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		25.90%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.31%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.48%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	49.56%	50.69%
Service Charge	1	29.2	29.20	1	28.95	28.95	-0.25	-0.86%	8.55%	8.74%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.31	-1.31	1	-0.40	-0.40	0.91	-69.47%	-0.12%	-0.12%
Fixed Deferral/Variance Account Rider	1	0.26	0.26	1	0.25	0.25	-0.01	-3.85%	0.07%	0.08%
Distribution Volumetric Rate	2,000	0.033	66.00	2,000	0.0329	65.80	-0.20	-0.30%	19.43%	19.87%
Volumetric Smoothing Rider	2,000	-0.0015	-3.00	2,000	-0.0005	-1.00	2.00	-66.67%	-0.30%	-0.30%
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)			91.55			94.00	2.45	2.68%	27.76%	28.39%
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)	152	0.09	13.83	152	0.09	13.83	0.00	0.00%	4.08%	4.18%
Line Losses on Cost of Power (based on TOU prices)	152	0.08	12.76	152	0.08	12.76	0.00	0.00%	3.77%	3.85%
Sub-Total: Distribution (based on two-tier RPP prices)			106.17			108.62	2.45	2.31%	32.07%	32.81%
Sub-Total: Distribution (based on TOU prices)			105.10			107.55	2.45	2.33%	31.76%	32.48%
Retail Transmission Rate – Network Service Rate	2,152	0.0063	13.56	2,152	0.0063	13.56	0.00	0.00%	4.00%	4.09%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,152	0.0048	10.33	2,152	0.0048	10.33	0.00	0.00%	3.05%	3.12%
Sub-Total: Retail Transmission			23.89			23.89	0.00	0.00%	7.05%	7.21%
Sub-Total: Delivery (excluding pass through)			115.44			117.89	2.45	2.12%	34.81%	35.60%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.80%	2.86%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.76%	0.78%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.08%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.63%	3.72%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.13%	4.23%
Total Bill on Two-Tier RPP (before Taxes)			330.56			333.01	2.45	0.74%	98.33%	
HST		0.13	42.97		0.13	43.29	0.32	0.74%	12.78%	
Total Bill (including HST)			373.53			376.30	2.77	0.74%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.35		-0.10	-37.63	-0.28	0.74%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			336.18			338.67	2.49	0.74%	100.00%	
Total Bill on TOU (before Taxes)			323.12			325.57	2.45	0.76%		98.33%
HST		0.13	42.01		0.13	42.32	0.32	0.76%		12.78%
Total Bill (including HST)			365.13			367.90	2.77	0.76%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.51		-0.10	-36.79	-0.28	0.76%		-11.11%
Total Bill on TOU (including HST and OCEB)			328.62			331.11	2.49	0.76%		100.00%

2017 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	12.25%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	12.25%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		6.66%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		2.91%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		3.47%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	13.18%	13.04%
Service Charge	1	43.25	43.25	1	45.95	45.95	2.70	6.24%	72.16%	71.42%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-3.31	-3.31	1	-1.05	-1.05	2.26	-68.28%	-1.65%	-1.63%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.75%	0.75%
Distribution Volumetric Rate	100	0.0485	4.85	100	0.051	5.10	0.25	5.15%	8.01%	7.93%
Volumetric Smoothing Rider	100	-0.0022	-0.22	100	-0.0007	-0.07	0.15	-68.18%	-0.11%	-0.11%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			45.07			50.43	5.36	11.89%	79.20%	78.38%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.24%	1.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.08	0.82	11	0.08	0.82	0.00	0.00%	1.29%	1.27%
Line Losses on Cost of Power (based on TOU prices)	11	0.08	0.88	11	0.08	0.88	0.00	0.00%	1.38%	1.37%
Sub-Total: Distribution (based on two-tier RPP prices)			46.68			52.04	5.36	11.48%	81.72%	80.88%
Sub-Total: Distribution (based on TOU prices)			46.74			52.10	5.36	11.47%	81.82%	80.98%
Retail Transmission Rate – Network Service Rate	111	0.0062	0.69	111	0.0062	0.69	0.00	0.00%	1.08%	1.06%
Retail Transmission Rate – Line and Transformation Connection Service Rate	111	0.0047	0.52	111	0.0047	0.52	0.00	0.00%	0.82%	0.81%
Sub-Total: Retail Transmission			1.20			1.20	0.00	0.00%	1.89%	1.87%
Sub-Total: Delivery (excluding pass through)			46.27			51.63	5.36	11.58%	81.09%	80.25%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.76%	0.76%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	0.00	0.00%	0.21%	0.21%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.39%	0.39%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.36%	1.35%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.10%	1.09%
Total Bill on Two-Tier RPP (before Taxes)			57.25			62.61	5.36	9.36%	98.33%	
HST		0.13	7.44		0.13	8.14	0.70	9.36%	12.78%	
Total Bill (including HST)			64.70			70.75	6.06	9.36%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.47		-0.10	-7.08	-0.61	9.36%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			58.23			63.68	5.45	9.36%	100.00%	
Total Bill on TOU (before Taxes)			57.91			63.27	5.36	9.26%		98.33%
HST		0.13	7.53		0.13	8.22	0.70	9.26%		12.78%
Total Bill (including HST)			65.43			71.49	6.06	9.26%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.54		-0.10	-7.15	-0.61	9.26%		-11.11%
Total Bill on TOU (including HST and OCEB)			58.89			64.34	5.45	9.26%		100.00%

2017 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	25.62%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	9.96%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	35.58%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		18.62%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		8.13%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		9.69%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	36.75%	36.43%
Service Charge	1	43.25	43.25	1	45.95	45.95	2.70	6.24%	25.15%	24.94%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-3.31	-3.31	1	-1.05	-1.05	2.26	-68.28%	-0.57%	-0.57%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.26%	0.26%
Distribution Volumetric Rate	800	0.0485	38.80	800	0.051	40.80	2.00	5.15%	22.33%	22.14%
Volumetric Smoothing Rider	800	-0.0022	-1.76	800	-0.0007	-0.56	1.20	-68.18%	-0.31%	-0.30%
Volumetric Deferral/Variance Account Rider	800	0.0002	0.16	800	0.0002	0.16	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			77.62			85.78	8.16	10.51%	46.95%	46.55%
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)	84	0.09	7.64	84	0.09	7.64	0.00	0.00%	4.18%	4.15%
Line Losses on Cost of Power (based on TOU prices)	84	0.08	7.05	84	0.08	7.05	0.00	0.00%	3.86%	3.83%
Sub-Total: Distribution (based on two-tier RPP prices)			86.05			94.21	8.16	9.48%	51.57%	51.13%
Sub-Total: Distribution (based on TOU prices)			85.46			93.62	8.16	9.55%	51.24%	50.81%
Retail Transmission Rate – Network Service Rate	884	0.0062	5.48	884	0.0062	5.48	0.00	0.00%	3.00%	2.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	884	0.0047	4.15	884	0.0047	4.15	0.00	0.00%	2.27%	2.25%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	5.27%	5.23%
Sub-Total: Delivery (excluding pass through)			87.26			95.42	8.16	9.35%	52.22%	51.78%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.13%	2.11%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	0.00	0.00%	0.58%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.85%	2.82%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.07%	3.04%
Total Bill on Two-Tier RPP (before Taxes)			171.49			179.65	8.16	4.76%	98.33%	
HST		0.13	22.29		0.13	23.35	1.06	4.76%	12.78%	
Total Bill (including HST)			193.78			203.00	9.22	4.76%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.38		-0.10	-20.30	-0.92	4.76%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			174.41			182.70	8.30	4.76%	100.00%	
Total Bill on TOU (before Taxes)			173.03			181.19	8.16	4.72%		98.33%
HST		0.13	22.49		0.13	23.55	1.06	4.72%		12.78%
Total Bill (including HST)			195.53			204.75	9.22	4.72%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.55		-0.10	-20.47	-0.92	4.72%		-11.11%
Total Bill on TOU (including HST and OCEB)			175.97			184.27	8.30	4.72%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	11.76%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	32.02%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	43.79%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		22.00%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.60%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		11.45%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	42.19%	43.05%
Service Charge	1	43.25	43.25	1	45.95	45.95	2.70	6.24%	11.55%	11.79%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-3.31	-3.31	1	-1.05	-1.05	2.26	-68.28%	-0.26%	-0.27%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.12%	0.12%
Distribution Volumetric Rate	2,000	0.0485	97.00	2,000	0.051	102.00	5.00	5.15%	25.64%	26.16%
Volumetric Smoothing Rider	2,000	-0.0022	-4.40	2,000	-0.0007	-1.40	3.00	-68.18%	-0.35%	-0.36%
Volumetric Deferral/Variance Account Rider	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			133.42			146.38	12.96	9.71%	36.79%	37.55%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.09	19.11	210	0.09	19.11	0.00	0.00%	4.80%	4.90%
Line Losses on Cost of Power (based on TOU prices)	210	0.08	17.62	210	0.08	17.62	0.00	0.00%	4.43%	4.52%
Sub-Total: Distribution (based on two-tier RPP prices)			153.32			166.28	12.96	8.45%	41.80%	42.65%
Sub-Total: Distribution (based on TOU prices)			151.83			164.79	12.96	8.54%	41.42%	42.27%
Retail Transmission Rate – Network Service Rate	2,210	0.0062	13.70	2,210	0.0062	13.70	0.00	0.00%	3.44%	3.51%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,210	0.0047	10.39	2,210	0.0047	10.39	0.00	0.00%	2.61%	2.66%
Sub-Total: Retail Transmission			24.09			24.09	0.00	0.00%	6.05%	6.18%
Sub-Total: Delivery (excluding pass through)			157.51			170.47	12.96	8.23%	42.85%	43.73%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.44%	2.49%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	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			12.63			12.63	0.00	0.00%	3.17%	3.24%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.52%	3.59%
Total Bill on Two-Tier RPP (before Taxes)			378.24			391.20	12.96	3.43%	98.33%	
HST		0.13	49.17		0.13	50.86	1.68	3.43%	12.78%	
Total Bill (including HST)			427.41			442.05	14.64	3.43%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.74		-0.10	-44.21	-1.46	3.43%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			384.66			397.85	13.18	3.43%	100.00%	
Total Bill on TOU (before Taxes)			370.39			383.35	12.96	3.50%		98.33%
HST		0.13	48.15		0.13	49.84	1.68	3.50%		12.78%
Total Bill (including HST)			418.54			433.18	14.64	3.50%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.85		-0.10	-43.32	-1.46	3.50%		-11.11%
Total Bill on TOU (including HST and OCEB)			376.68			389.87	13.18	3.50%		100.00%

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	9.26%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	9.26%	
TOU-Off Peak	32	0.067	2.14	32	0.067	2.14	0.00	0.00%		5.05%
TOU-Mid Peak	9	0.104	0.94	9	0.104	0.94	0.00	0.00%		2.21%
TOU-On Peak	9	0.124	1.12	9	0.124	1.12	0.00	0.00%		2.63%
Sub-Total: Energy (TOU)			4.20			4.20	0.00	0.00%	9.97%	9.89%
Service Charge	1	28.63	28.63	1	29.72	29.72	1.09	3.81%	70.60%	70.04%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.28	-1.28	1	-0.41	-0.41	0.87	-67.97%	-0.97%	-0.97%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.59%	0.59%
Distribution Volumetric Rate	50	0.1015	5.08	50	0.1071	5.36	0.28	5.52%	12.72%	12.62%
Volumetric Smoothing Rider	50	-0.0046	-0.23	50	-0.0015	-0.08	0.16	-67.39%	-0.18%	-0.18%
Volumetric Deferral/Variance Account Rider	50	0.0005	0.03	50	0.0005	0.03	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			32.47			34.87	2.40	7.38%	82.82%	82.17%
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	0.08	0.41	5	0.08	0.41	0.00	0.00%	0.96%	0.96%
Line Losses on Cost of Power (based on TOU prices)	5	0.08	0.44	5	0.08	0.44	0.00	0.00%	1.04%	1.03%
Sub-Total: Distribution (based on two-tier RPP prices)			33.67			36.06	2.40	7.11%	85.66%	84.99%
Sub-Total: Distribution (based on TOU prices)			33.70			36.09	2.40	7.11%	85.73%	85.06%
Retail Transmission Rate – Network Service Rate	55	0.005	0.28	55	0.005	0.28	0.00	0.00%	0.66%	0.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0045	0.25	55	0.0045	0.25	0.00	0.00%	0.59%	0.59%
Sub-Total: Retail Transmission			0.52			0.52	0.00	0.00%	1.25%	1.24%
Sub-Total: Delivery (excluding pass through)			32.99			35.39	2.40	7.26%	84.06%	83.41%
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	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.16%	0.16%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.59%	0.59%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.33%	1.32%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.83%	0.82%
Total Bill on Two-Tier RPP (before Taxes)			39.00			41.39	2.40	6.14%	98.33%	
HST		0.13	5.07		0.13	5.38	0.31	6.14%	12.78%	
Total Bill (including HST)			44.07			46.78	2.71	6.14%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.41		-0.10	-4.68	-0.27	6.14%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			39.66			42.10	2.44	6.14%	100.00%	
Total Bill on TOU (before Taxes)			39.33			41.72	2.40	6.09%		98.33%
HST		0.13	5.11		0.13	5.42	0.31	6.09%		12.78%
Total Bill (including HST)			44.44			47.14	2.71	6.09%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.44		-0.10	-4.71	-0.27	6.09%		-11.11%
Total Bill on TOU (including HST and OCEB)			39.99			42.43	2.44	6.09%		100.00%

2017 Bill Impacts (Typical Consumption Level)

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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	0.078	31.20	400	0.078	31.20	0.00	0.00%	26.23%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			31.20			31.20	0.00	0.00%	26.23%	
TOU-Off Peak	256	0.067	17.15	256	0.067	17.15	0.00	0.00%		14.11%
TOU-Mid Peak	72	0.104	7.49	72	0.104	7.49	0.00	0.00%		6.16%
TOU-On Peak	72	0.124	8.93	72	0.124	8.93	0.00	0.00%		7.34%
Sub-Total: Energy (TOU)			33.57			33.57	0.00	0.00%	28.22%	27.61%
Service Charge	1	28.63	28.63	1	29.72	29.72	1.09	3.81%	24.99%	24.44%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.28	-1.28	1	-0.41	-0.41	0.87	-67.97%	-0.34%	-0.34%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.21%
Distribution Volumetric Rate	400	0.1015	40.60	400	0.1071	42.84	2.24	5.52%	36.02%	35.23%
Volumetric Smoothing Rider	400	-0.0046	-1.84	400	-0.0015	-0.60	1.24	-67.39%	-0.50%	-0.49%
Volumetric Deferral/Variance Account Rider	400	0.0005	0.20	400	0.0005	0.20	0.00	0.00%	0.17%	0.16%
Sub-Total: Distribution (excluding pass through)			66.56			72.00	5.44	8.17%	60.53%	59.21%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.66%	0.65%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.08	3.24	42	0.08	3.24	0.00	0.00%	2.73%	2.67%
Line Losses on Cost of Power (based on TOU prices)	42	0.08	3.49	42	0.08	3.49	0.00	0.00%	2.94%	2.87%
Sub-Total: Distribution (based on two-tier RPP prices)			70.59			76.03	5.44	7.71%	63.93%	62.53%
Sub-Total: Distribution (based on TOU prices)			70.84			76.28	5.44	7.68%	64.13%	62.73%
Retail Transmission Rate – Network Service Rate	442	0.005	2.21	442	0.005	2.21	0.00	0.00%	1.86%	1.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	442	0.0045	1.99	442	0.0045	1.99	0.00	0.00%	1.67%	1.63%
Sub-Total: Retail Transmission			4.20			4.20	0.00	0.00%	3.53%	3.45%
Sub-Total: Delivery (excluding pass through)			70.76			76.20	5.44	7.69%	64.06%	62.66%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.63%	1.60%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.45%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.21%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.29%	2.24%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.35%	2.30%
Total Bill on Two-Tier RPP (before Taxes)			111.51			116.95	5.44	4.88%	98.33%	
HST		0.13	14.50		0.13	15.20	0.71	4.88%	12.78%	
Total Bill (including HST)			126.01			132.16	6.15	4.88%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.60		-0.10	-13.22	-0.61	4.88%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			113.41			118.94	5.53	4.88%	100.00%	
Total Bill on TOU (before Taxes)			114.13			119.57	5.44	4.77%		98.33%
HST		0.13	14.84		0.13	15.54	0.71	4.77%		12.78%
Total Bill (including HST)			128.96			135.11	6.15	4.77%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.90		-0.10	-13.51	-0.61	4.77%		-11.11%
Total Bill on TOU (including HST and OCEB)			116.07			121.60	5.53	4.77%		100.00%

2017 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	18.19%	
Energy Second Tier (kWh)	400	0.091	36.40	400	0.091	36.40	0.00	0.00%	14.14%	
Sub-Total: Energy (RPP)			83.20			83.20	0.00	0.00%	32.33%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		16.66%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		7.28%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		8.67%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	32.61%	32.61%
Service Charge	1	28.63	28.63	1	29.72	29.72	1.09	3.81%	11.55%	11.55%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.28	-1.28	1	-0.41	-0.41	0.87	-67.97%	-0.16%	-0.16%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.10%	0.10%
Distribution Volumetric Rate	1,000	0.1015	101.50	1,000	0.1071	107.10	5.60	5.52%	41.62%	41.62%
Volumetric Smoothing Rider	1,000	-0.0046	-4.60	1,000	-0.0015	-1.50	3.10	-67.39%	-0.58%	-0.58%
Volumetric Deferral/Variance Account Rider	1,000	0.0005	0.50	1,000	0.0005	0.50	0.00	0.00%	0.19%	0.19%
Sub-Total: Distribution (excluding pass through)			125.00			135.66	10.66	8.53%	52.72%	52.72%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.31%	0.31%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.09	9.46	104	0.09	9.46	0.00	0.00%	3.68%	3.68%
Line Losses on Cost of Power (based on TOU prices)	104	0.08	8.73	104	0.08	8.73	0.00	0.00%	3.39%	3.39%
Sub-Total: Distribution (based on two-tier RPP prices)			135.25			145.91	10.66	7.88%	56.70%	56.71%
Sub-Total: Distribution (based on TOU prices)			134.52			145.18	10.66	7.92%	56.42%	56.42%
Retail Transmission Rate – Network Service Rate	1,104	0.005	5.52	1,104	0.005	5.52	0.00	0.00%	2.15%	2.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0045	4.97	1,104	0.0045	4.97	0.00	0.00%	1.93%	1.93%
Sub-Total: Retail Transmission			10.49			10.49	0.00	0.00%	4.08%	4.08%
Sub-Total: Delivery (excluding pass through)			135.49			146.15	10.66	7.87%	56.79%	56.80%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.89%	1.89%
Rural Rate Protection Charge	1,104	0.0012	1.32	1,104	0.0012	1.32	0.00	0.00%	0.51%	0.51%
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			6.43			6.43	0.00	0.00%	2.50%	2.50%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.72%	2.72%
Total Bill on Two-Tier RPP (before Taxes)			242.37			253.03	10.66	4.40%	98.33%	
HST		0.13	31.51		0.13	32.89	1.39	4.40%	12.78%	
Total Bill (including HST)			273.88			285.93	12.05	4.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.39		-0.10	-28.59	-1.20	4.40%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			246.49			257.34	10.84	4.40%	100.00%	
Total Bill on TOU (before Taxes)			242.36			253.02	10.66	4.40%		98.33%
HST		0.13	31.51		0.13	32.89	1.39	4.40%		12.78%
Total Bill (including HST)			273.86			285.91	12.05	4.40%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.39		-0.10	-28.59	-1.20	4.40%		-11.11%
Total Bill on TOU (including HST and OCEB)			246.48			257.32	10.84	4.40%		100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	27.88%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	10.84%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	38.72%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		20.24%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		8.84%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		10.54%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	40.00%	39.61%
Service Charge	1	30.71	30.71	1	31.42	31.42	0.71	2.31%	14.97%	14.83%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.38	-1.38	1	-0.43	-0.43	0.95	-68.84%	-0.20%	-0.20%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Distribution Volumetric Rate	1,000	0.0588	58.80	1,000	0.061	61.00	2.20	3.74%	29.07%	28.79%
Volumetric Smoothing Rider	1,000	-0.0026	-2.60	1,000	-0.0008	-0.80	1.80	-69.23%	-0.38%	-0.38%
Volumetric Deferral/Variance Account Rider	1,000	0.0003	0.30	1,000	0.0003	0.30	0.00	0.00%	0.14%	0.14%
Sub-Total: Distribution (excluding pass through)			86.08			91.74	5.66	6.58%	43.72%	43.30%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.09	8.74	96	0.09	8.74	0.00	0.00%	4.16%	4.12%
Line Losses on Cost of Power (based on TOU prices)	96	0.08	8.06	96	0.08	8.06	0.00	0.00%	3.84%	3.80%
Sub-Total: Distribution (based on two-tier RPP prices)			95.61			101.27	5.66	5.92%	48.26%	47.80%
Sub-Total: Distribution (based on TOU prices)			94.93			100.59	5.66	5.96%	47.94%	47.48%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	3.03%	3.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0037	4.06	1,096	0.0037	4.06	0.00	0.00%	1.93%	1.91%
Sub-Total: Retail Transmission			10.41			10.41	0.00	0.00%	4.96%	4.91%
Sub-Total: Delivery (excluding pass through)			96.49			102.15	5.66	5.87%	48.68%	48.22%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.30%	2.28%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.63%	0.62%
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			6.39			6.39	0.00	0.00%	3.04%	3.02%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.34%	3.30%
Total Bill on Two-Tier RPP (before Taxes)			200.66			206.32	5.66	2.82%	98.33%	
HST		0.13	26.09		0.13	26.82	0.74	2.82%	12.78%	
Total Bill (including HST)			226.74			233.14	6.40	2.82%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.67		-0.10	-23.31	-0.64	2.82%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			204.07			209.82	5.76	2.82%	100.00%	
Total Bill on TOU (before Taxes)			202.65			208.31	5.66	2.79%		98.33%
HST		0.13	26.34		0.13	27.08	0.74	2.79%		12.78%
Total Bill (including HST)			228.99			235.39	6.40	2.79%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.90		-0.10	-23.54	-0.64	2.79%		-11.11%
Total Bill on TOU (including HST and OCEB)			206.09			211.85	5.76	2.79%		100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	14.75%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	28.67%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	43.42%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		21.94%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.58%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		11.42%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	42.31%	42.94%
Service Charge	1	30.71	30.71	1	31.42	31.42	0.71	2.31%	7.92%	8.04%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.38	-1.38	1	-0.43	-0.43	0.95	-68.84%	-0.11%	-0.11%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Distribution Volumetric Rate	2,000	0.0588	117.60	2,000	0.061	122.00	4.40	3.74%	30.75%	31.21%
Volumetric Smoothing Rider	2,000	-0.0026	-5.20	2,000	-0.0008	-1.60	3.60	-69.23%	-0.40%	-0.41%
Volumetric Deferral/Variance Account Rider	2,000	0.0003	0.60	2,000	0.0003	0.60	0.00	0.00%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			142.58			152.24	9.66	6.78%	38.37%	38.95%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.20%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.09	17.47	192	0.09	17.47	0.00	0.00%	4.40%	4.47%
Line Losses on Cost of Power (based on TOU prices)	192	0.08	16.11	192	0.08	16.11	0.00	0.00%	4.06%	4.12%
Sub-Total: Distribution (based on two-tier RPP prices)			160.84			170.50	9.66	6.01%	42.98%	43.62%
Sub-Total: Distribution (based on TOU prices)			159.48			169.14	9.66	6.06%	42.63%	43.27%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	3.20%	3.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0037	8.11	2,192	0.0037	8.11	0.00	0.00%	2.04%	2.07%
Sub-Total: Retail Transmission			20.82			20.82	0.00	0.00%	5.25%	5.33%
Sub-Total: Delivery (excluding pass through)			163.40			173.06	9.66	5.91%	43.62%	44.28%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.43%	2.47%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.66%	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			12.53			12.53	0.00	0.00%	3.16%	3.20%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.53%	3.58%
Total Bill on Two-Tier RPP (before Taxes)			380.44			390.10	9.66	2.54%	98.33%	
HST		0.13	49.46		0.13	50.71	1.26	2.54%	12.78%	
Total Bill (including HST)			429.90			440.81	10.92	2.54%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.99		-0.10	-44.08	-1.09	2.54%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			386.91			396.73	9.82	2.54%	100.00%	
Total Bill on TOU (before Taxes)			374.67			384.33	9.66	2.58%		98.33%
HST		0.13	48.71		0.13	49.96	1.26	2.58%		12.78%
Total Bill (including HST)			423.38			434.29	10.92	2.58%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.34		-0.10	-43.43	-1.09	2.58%		-11.11%
Total Bill on TOU (including HST and OCEB)			381.04			390.87	9.82	2.58%		100.00%

2017 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	1.90%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	42.16%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	44.06%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		21.75%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		9.50%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		11.32%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	40.93%	42.57%
Service Charge	1	30.71	30.71	1	31.42	31.42	0.71	2.31%	1.02%	1.06%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.38	-1.38	1	-0.43	-0.43	0.95	-68.84%	-0.01%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0588	882.00	15,000	0.061	915.00	33.00	3.74%	29.75%	30.95%
Volumetric Smoothing Rider	15,000	-0.0026	-39.00	15,000	-0.0008	-12.00	27.00	-69.23%	-0.39%	-0.41%
Volumetric Deferral/Variance Account Rider	15,000	0.0003	4.50	15,000	0.0003	4.50	0.00	0.00%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			877.08			938.74	61.66	7.03%	30.52%	31.75%
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)	1,440	0.09	131.04	1,440	0.09	131.04	0.00	0.00%	4.26%	4.43%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.08	120.84	1,440	0.08	120.84	0.00	0.00%	3.93%	4.09%
Sub-Total: Distribution (based on two-tier RPP prices)			1,008.91			1,070.57	61.66	6.11%	34.81%	36.21%
Sub-Total: Distribution (based on TOU prices)			998.71			1,060.37	61.66	6.17%	34.48%	35.86%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	3.10%	3.22%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0037	60.83	16,440	0.0037	60.83	0.00	0.00%	1.98%	2.06%
Sub-Total: Retail Transmission			156.18			156.18	0.00	0.00%	5.08%	5.28%
Sub-Total: Delivery (excluding pass through)			1,033.26			1,094.92	61.66	5.97%	35.60%	37.03%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.35%	2.45%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.64%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			92.31			92.31	0.00	0.00%	3.00%	3.12%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.41%	3.55%
Total Bill on Two-Tier RPP (before Taxes)			2,717.65			2,779.31	61.66	2.27%	90.36%	
HST		0.13	353.30		0.13	361.31	8.02	2.27%	11.75%	
Total Bill (including HST)			3,070.95			3,140.62	69.68	2.27%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-63.31		-0.10	-64.85	-1.54	2.44%	-2.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			3,007.64			3,075.78	68.13	2.27%	100.00%	
Total Bill on TOU (before Taxes)			2,611.01			2,672.67	61.66	2.36%		90.39%
HST		0.13	339.43		0.13	347.45	8.02	2.36%		11.75%
Total Bill (including HST)			2,950.44			3,020.12	69.68	2.36%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-61.78		-0.10	-63.32	-1.54	2.50%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,888.66			2,956.80	68.13	2.36%		100.00%

2017 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	34.82%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	13.54%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	48.36%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		25.18%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		10.99%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		13.11%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	49.94%	49.29%
Service Charge	1	23.88	23.88	1	25.32	25.32	1.44	6.03%	15.07%	14.87%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.07	-1.07	1	-0.35	-0.35	0.72	-67.29%	-0.21%	-0.21%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.21	0.21	0.00	0.00%	0.12%	0.12%
Distribution Volumetric Rate	1,000	0.0263	26.30	1,000	0.0282	28.20	1.90	7.22%	16.78%	16.56%
Volumetric Smoothing Rider	1,000	-0.0012	-1.20	1,000	-0.0004	-0.40	0.80	-66.67%	-0.24%	-0.23%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			48.22			53.08	4.86	10.08%	31.59%	31.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.47%	0.46%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.09	6.10	67	0.09	6.10	0.00	0.00%	3.63%	3.58%
Line Losses on Cost of Power (based on TOU prices)	67	0.08	5.62	67	0.08	5.62	0.00	0.00%	3.35%	3.30%
Sub-Total: Distribution (based on two-tier RPP prices)			55.11			59.97	4.86	8.82%	35.69%	35.22%
Sub-Total: Distribution (based on TOU prices)			54.63			59.49	4.86	8.90%	35.41%	34.94%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.94%	3.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0039	4.16	1,067	0.0039	4.16	0.00	0.00%	2.48%	2.44%
Sub-Total: Retail Transmission			10.78			10.78	0.00	0.00%	6.41%	6.33%
Sub-Total: Delivery (excluding pass through)			59.00			63.86	4.86	8.24%	38.00%	37.51%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.79%	2.76%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	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%	0.15%	0.15%
Sub-Total: Regulatory			6.23			6.23	0.00	0.00%	3.70%	3.66%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	4.17%	4.11%
Total Bill on Two-Tier RPP (before Taxes)			160.36			165.22	4.86	3.03%	98.33%	
HST		0.13	20.85		0.13	21.48	0.63	3.03%	12.78%	
Total Bill (including HST)			181.21			186.70	5.49	3.03%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.12		-0.10	-18.67	-0.55	3.03%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			163.09			168.03	4.94	3.03%	100.00%	
Total Bill on TOU (before Taxes)			162.55			167.41	4.86	2.99%		98.33%
HST		0.13	21.13		0.13	21.76	0.63	2.99%		12.78%
Total Bill (including HST)			183.69			189.18	5.49	2.99%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.37		-0.10	-18.92	-0.55	2.99%		-11.11%
Total Bill on TOU (including HST and OCEB)			165.32			170.26	4.94	2.99%		100.00%

2017 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	18.32%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	35.62%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	53.95%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		27.32%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.93%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		14.22%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	52.56%	53.48%
Service Charge	1	23.88	23.88	1	25.32	25.32	1.44	6.03%	7.93%	8.07%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.07	-1.07	1	-0.35	-0.35	0.72	-67.29%	-0.11%	-0.11%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.21	0.21	0.00	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0263	52.60	2,000	0.0282	56.40	3.80	7.22%	17.66%	17.97%
Volumetric Smoothing Rider	2,000	-0.0012	-2.40	2,000	-0.0004	-0.80	1.60	-66.67%	-0.25%	-0.25%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			73.42			80.98	7.56	10.30%	25.36%	25.80%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.25%	0.25%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.09	12.19	134	0.09	12.19	0.00	0.00%	3.82%	3.89%
Line Losses on Cost of Power (based on TOU prices)	134	0.08	11.25	134	0.08	11.25	0.00	0.00%	3.52%	3.58%
Sub-Total: Distribution (based on two-tier RPP prices)			86.40			93.96	7.56	8.75%	29.43%	29.94%
Sub-Total: Distribution (based on TOU prices)			85.46			93.02	7.56	8.85%	29.13%	29.64%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	4.14%	4.22%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0039	8.32	2,134	0.0039	8.32	0.00	0.00%	2.61%	2.65%
Sub-Total: Retail Transmission			21.55			21.55	0.00	0.00%	6.75%	6.87%
Sub-Total: Delivery (excluding pass through)			94.97			102.53	7.56	7.96%	32.11%	32.67%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.94%	2.99%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	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%	0.08%	0.08%
Sub-Total: Regulatory			12.20			12.20	0.00	0.00%	3.82%	3.89%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.38%	4.46%
Total Bill on Two-Tier RPP (before Taxes)			306.41			313.97	7.56	2.47%	98.33%	
HST		0.13	39.83		0.13	40.82	0.98	2.47%	12.78%	
Total Bill (including HST)			346.24			354.78	8.54	2.47%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.62		-0.10	-35.48	-0.85	2.47%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			311.62			319.31	7.69	2.47%	100.00%	
Total Bill on TOU (before Taxes)			301.05			308.61	7.56	2.51%		98.33%
HST		0.13	39.14		0.13	40.12	0.98	2.51%		12.78%
Total Bill (including HST)			340.19			348.73	8.54	2.51%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.02		-0.10	-34.87	-0.85	2.51%		-11.11%
Total Bill on TOU (including HST and OCEB)			306.17			313.86	7.69	2.51%		100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	2.35%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	52.13%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	54.48%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		27.12%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		11.84%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		14.11%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	50.60%	53.07%
Service Charge	1	23.88	23.88	1	25.32	25.32	1.44	6.03%	1.02%	1.07%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.07	-1.07	1	-0.35	-0.35	0.72	-67.29%	-0.01%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.21	0.21	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0263	394.50	15,000	0.0282	423.00	28.50	7.22%	17.00%	17.83%
Volumetric Smoothing Rider	15,000	-0.0012	-18.00	15,000	-0.0004	-6.00	12.00	-66.67%	-0.24%	-0.25%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			401.02			443.68	42.66	10.64%	17.84%	18.70%
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	0.09	91.46	1,005	0.09	91.46	0.00	0.00%	3.68%	3.86%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.08	84.34	1,005	0.08	84.34	0.00	0.00%	3.39%	3.56%
Sub-Total: Distribution (based on two-tier RPP prices)			493.27			535.93	42.66	8.65%	21.54%	22.59%
Sub-Total: Distribution (based on TOU prices)			486.15			528.81	42.66	8.78%	21.26%	22.29%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.99%	4.18%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0039	62.42	16,005	0.0039	62.42	0.00	0.00%	2.51%	2.63%
Sub-Total: Retail Transmission			161.65			161.65	0.00	0.00%	6.50%	6.81%
Sub-Total: Delivery (excluding pass through)			562.67			605.33	42.66	7.58%	24.33%	25.52%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.83%	2.97%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.77%	0.81%
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			89.88			89.88	0.00	0.00%	3.61%	3.79%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.22%	4.43%
Total Bill on Two-Tier RPP (before Taxes)			2,205.04			2,247.70	42.66	1.93%	90.36%	
HST		0.13	286.66		0.13	292.20	5.55	1.93%	11.75%	
Total Bill (including HST)			2,491.70			2,539.90	48.21	1.93%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-51.13		-0.10	-52.29	-1.16	2.27%	-2.10%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,440.57			2,487.62	47.05	1.93%	100.00%	
Total Bill on TOU (before Taxes)			2,101.48			2,144.14	42.66	2.03%		90.39%
HST		0.13	273.19		0.13	278.74	5.55	2.03%		11.75%
Total Bill (including HST)			2,374.67			2,422.88	48.21	2.03%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-49.67		-0.10	-50.83	-1.16	2.33%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,325.00			2,372.05	47.05	2.02%		100.00%

2017 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	29.61%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	29.61%
Service Charge	1	4.37	4.37	1	4.63	4.63	0.26	5.95%	17.57%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.2	-0.20	1	-0.06	-0.06	0.14	-70.00%	-0.23%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.11%
Distribution Volumetric Rate	100	0.0992	9.92	100	0.1052	10.52	0.60	6.05%	39.93%
Volumetric Smoothing Rider	100	-0.0045	-0.45	100	-0.0014	-0.14	0.31	-68.89%	-0.53%
Volumetric Deferral/Variance Account Rider	100	0.0005	0.05	100	0.0005	0.05	0.00	0.00%	0.19%
Sub-Total: Distribution (excluding pass through)			13.72			15.03	1.31	9.55%	57.05%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	2.72%
Sub-Total: Distribution			14.44			15.75	1.31	9.07%	59.77%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.62%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0034	0.37	109	0.0034	0.37	0.00	0.00%	1.41%
Sub-Total: Retail Transmission			0.80			0.80	0.00	0.00%	3.03%
Sub-Total: Delivery (excluding pass through)			14.52			15.83	1.31	9.02%	60.07%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.82%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	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%	0.95%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.27%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.66%
Total Bill on Two-Tier RPP (before Taxes)			24.60			25.91	1.31	5.33%	98.33%
HST		0.13	3.20		0.13	3.37	0.17	5.33%	12.78%
Total Bill (including HST)			27.79			29.27	1.48	5.33%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.78		-0.10	-2.93	-0.15	5.33%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			25.01			26.35	1.33	5.33%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	34.82%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	34.82%
Service Charge	1	4.37	4.37	1	4.63	4.63	0.26	5.95%	4.13%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.2	-0.20	1	-0.06	-0.06	0.14	-70.00%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.03%
Distribution Volumetric Rate	500	0.0992	49.60	500	0.1052	52.60	3.00	6.05%	46.96%
Volumetric Smoothing Rider	500	-0.0045	-2.25	500	-0.0014	-0.70	1.55	-68.89%	-0.62%
Volumetric Deferral/Variance Account Rider	500	0.0005	0.25	500	0.0005	0.25	0.00	0.00%	0.22%
Sub-Total: Distribution (excluding pass through)			51.80			56.75	4.95	9.56%	50.67%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.20%
Sub-Total: Distribution			55.39			60.34	4.95	8.94%	53.87%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0034	1.86	546	0.0034	1.86	0.00	0.00%	1.66%
Sub-Total: Retail Transmission			3.99			3.99	0.00	0.00%	3.56%
Sub-Total: Delivery (excluding pass through)			55.79			60.74	4.95	8.87%	54.23%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.14%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	0.00	0.00%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	2.95%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.12%
Total Bill on Two-Tier RPP (before Taxes)			105.18			110.13	4.95	4.71%	98.33%
HST		0.13	13.67		0.13	14.32	0.64	4.71%	12.78%
Total Bill (including HST)			118.85			124.45	5.59	4.71%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-11.89		-0.10	-12.44	-0.56	4.71%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			106.97			112.00	5.03	4.71%	100.00%

2017 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	12.94%
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	25.16%
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	38.09%
Service Charge	1	4.37	4.37	1	4.63	4.63	0.26	5.95%	1.02%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.2	-0.20	1	-0.06	-0.06	0.14	-70.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.0992	198.40	2,000	0.1052	210.40	12.00	6.05%	46.53%
Volumetric Smoothing Rider	2,000	-0.0045	-9.00	2,000	-0.0014	-2.80	6.20	-68.89%	-0.62%
Volumetric Deferral/Variance Account Rider	2,000	0.0005	1.00	2,000	0.0005	1.00	0.00	0.00%	0.22%
Sub-Total: Distribution (excluding pass through)			194.60			213.20	18.60	9.56%	47.15%
Line Losses on Cost of Power	184	0.09	16.74	184	0.09	16.74	0.00	0.00%	3.70%
Sub-Total: Distribution			211.34			229.94	18.60	8.80%	50.85%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.88%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,184	0.0034	7.43	2,184	0.0034	7.43	0.00	0.00%	1.64%
Sub-Total: Retail Transmission			15.94			15.94	0.00	0.00%	3.53%
Sub-Total: Delivery (excluding pass through)			210.54			229.14	18.60	8.83%	50.68%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.13%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,184	0.0012	2.62	0.00	0.00%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			12.48			12.48	0.00	0.00%	2.76%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.10%
Total Bill on Two-Tier RPP (before Taxes)			426.02			444.62	18.60	4.37%	98.33%
HST		0.13	55.38		0.13	57.80	2.42	4.37%	12.78%
Total Bill (including HST)			481.40			502.42	21.02	4.37%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-48.14		-0.10	-50.24	-2.10	4.37%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			433.26			452.18	18.92	4.37%	100.00%

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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	0.078	1.56	20	0.078	1.56	0.00	0.00%	17.88%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.56			1.56	0.00	0.00%	17.88%
Service Charge	1	2.83	2.83	1	3.19	3.19	0.36	12.72%	36.56%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.13	-0.13	1	-0.04	-0.04	0.09	-69.23%	-0.46%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.23%
Distribution Volumetric Rate	20	0.138	2.76	20	0.1531	3.06	0.30	10.94%	35.09%
Volumetric Smoothing Rider	20	-0.0062	-0.12	20	-0.0021	-0.04	0.08	-66.13%	-0.48%
Volumetric Deferral/Variance Account Rider	20	0.0007	0.01	20	0.0007	0.01	0.00	0.00%	0.16%
Sub-Total: Distribution (excluding pass through)			5.37			6.20	0.83	15.53%	71.11%
Line Losses on Cost of Power	2	0.08	0.14	2	0.08	0.14	0.00	0.00%	1.64%
Sub-Total: Distribution			5.51			6.35	0.83	15.13%	72.75%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	0.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	22	0.0034	0.07	22	0.0034	0.07	0.00	0.00%	0.85%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.83%
Sub-Total: Delivery (excluding pass through)			5.53			6.36	0.83	15.08%	72.93%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.10%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	0.00	0.00%	0.30%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.87%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	4.27%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.60%
Total Bill on Two-Tier RPP (before Taxes)			7.75			8.58	0.83	10.77%	98.33%
HST		0.13	1.01		0.13	1.12	0.11	10.77%	12.78%
Total Bill (including HST)			8.75			9.69	0.94	10.77%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.88		-0.10	-0.97	-0.09	10.77%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			7.88			8.73	0.85	10.77%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	23.50%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	23.50%
Service Charge	1	2.83	2.83	1	3.19	3.19	0.36	12.72%	19.22%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.13	-0.13	1	-0.04	-0.04	0.09	-69.23%	-0.24%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.12%
Distribution Volumetric Rate	50	0.138	6.90	50	0.1531	7.66	0.76	10.94%	46.13%
Volumetric Smoothing Rider	50	-0.0062	-0.31	50	-0.0021	-0.11	0.21	-66.13%	-0.63%
Volumetric Deferral/Variance Account Rider	50	0.0007	0.04	50	0.0007	0.04	0.00	0.00%	0.21%
Sub-Total: Distribution (excluding pass through)			9.35			10.76	1.41	15.09%	64.81%
Line Losses on Cost of Power	5	0.08	0.36	5	0.08	0.36	0.00	0.00%	2.16%
Sub-Total: Distribution			9.70			11.11	1.41	14.53%	66.97%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0034	0.19	55	0.0034	0.19	0.00	0.00%	1.12%
Sub-Total: Retail Transmission			0.40			0.40	0.00	0.00%	2.40%
Sub-Total: Delivery (excluding pass through)			9.74			11.15	1.41	14.47%	67.21%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.45%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.51%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.35%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.11%
Total Bill on Two-Tier RPP (before Taxes)			14.91			16.32	1.41	9.46%	98.33%
HST		0.13	1.94		0.13	2.12	0.18	9.46%	12.78%
Total Bill (including HST)			16.85			18.44	1.59	9.46%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.68		-0.10	-1.84	-0.16	9.46%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			15.16			16.60	1.43	9.46%	100.00%

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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	0.078	15.60	200	0.078	15.60	0.00	0.00%	27.88%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15.60			15.60	0.00	0.00%	27.88%
Service Charge	1	2.83	2.83	1	3.19	3.19	0.36	12.72%	5.70%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.13	-0.13	1	-0.04	-0.04	0.09	-69.23%	-0.07%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.04%
Distribution Volumetric Rate	200	0.138	27.60	200	0.1531	30.62	3.02	10.94%	54.73%
Volumetric Smoothing Rider	200	-0.0062	-1.24	200	-0.0021	-0.42	0.82	-66.13%	-0.75%
Volumetric Deferral/Variance Account Rider	200	0.0007	0.14	200	0.0007	0.14	0.00	0.00%	0.25%
Sub-Total: Distribution (excluding pass through)			29.22			33.51	4.29	14.68%	59.90%
Line Losses on Cost of Power	18	0.08	1.44	18	0.08	1.44	0.00	0.00%	2.57%
Sub-Total: Distribution			30.66			34.95	4.29	13.99%	62.46%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.0034	0.74	218	0.0034	0.74	0.00	0.00%	1.33%
Sub-Total: Retail Transmission			1.59			1.59	0.00	0.00%	2.85%
Sub-Total: Delivery (excluding pass through)			30.81			35.10	4.29	13.92%	62.74%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.72%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	2.63%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.50%
Total Bill on Two-Tier RPP (before Taxes)			50.72			55.01	4.29	8.46%	98.33%
HST		0.13	6.59		0.13	7.15	0.56	8.46%	12.78%
Total Bill (including HST)			57.32			62.16	4.85	8.46%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.73		-0.10	-6.22	-0.48	8.46%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			51.58			55.95	4.36	8.46%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	14.55%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	14.55%
Service Charge	1	39.13	39.13	1	39	39.00	-0.13	-0.33%	72.75%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.76	-1.76	1	-0.53	-0.53	1.23	-69.89%	-0.99%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.45%
Distribution Volumetric Rate	100	0.0309	3.09	100	0.0308	3.08	-0.01	-0.32%	5.75%
Volumetric Smoothing Rider	100	-0.0014	-0.14	100	-0.0004	-0.04	0.10	-71.43%	-0.07%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.04%
Sub-Total: Distribution (excluding pass through)			40.59			41.77	1.18	2.91%	77.92%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	1.34%
Sub-Total: Distribution			41.31			42.49	1.18	2.86%	79.26%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0047	0.51	0.00	0.00%	0.96%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	0.65%
Sub-Total: Retail Transmission			0.86			0.86	0.00	0.00%	1.61%
Sub-Total: Delivery (excluding pass through)			41.45			42.63	1.18	2.85%	79.53%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.90%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.24%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.47%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.61%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.31%
Total Bill on Two-Tier RPP (before Taxes)			51.53			52.71	1.18	2.29%	98.33%
HST		0.13	6.70		0.13	6.85	0.15	2.29%	12.78%
Total Bill (including HST)			58.23			59.56	1.33	2.29%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.82		-0.10	-5.96	-0.13	2.29%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			52.41			53.61	1.20	2.29%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	35.60%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	35.60%
Service Charge	1	39.13	39.13	1	39	39.00	-0.13	-0.33%	35.60%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.76	-1.76	1	-0.53	-0.53	1.23	-69.89%	-0.48%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.22%
Distribution Volumetric Rate	500	0.0309	15.45	500	0.0308	15.40	-0.05	-0.32%	14.06%
Volumetric Smoothing Rider	500	-0.0014	-0.70	500	-0.0004	-0.20	0.50	-71.43%	-0.18%
Volumetric Deferral/Variance Account Rider	500	0.0002	0.10	500	0.0002	0.10	0.00	0.00%	0.09%
Sub-Total: Distribution (excluding pass through)			52.47			54.01	1.54	2.94%	49.30%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.28%
Sub-Total: Distribution			56.06			57.60	1.54	2.75%	52.58%
Retail Transmission Rate – Network Service Rate	546	0.0047	2.57	546	0.0047	2.57	0.00	0.00%	2.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.59%
Sub-Total: Retail Transmission			4.31			4.31	0.00	0.00%	3.94%
Sub-Total: Delivery (excluding pass through)			56.78			58.32	1.54	2.71%	53.24%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.19%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.23%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	3.02%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.19%
Total Bill on Two-Tier RPP (before Taxes)			106.18			107.72	1.54	1.45%	98.33%
HST		0.13	13.80		0.13	14.00	0.20	1.45%	12.78%
Total Bill (including HST)			119.98			121.72	1.74	1.45%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.00		-0.10	-12.17	-0.17	1.45%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			107.98			109.55	1.57	1.45%	100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	31.79%
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	12.36%
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	44.16%
Service Charge	1	39.13	39.13	1	39	39.00	-0.13	-0.33%	21.20%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.76	-1.76	1	-0.53	-0.53	1.23	-69.89%	-0.29%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.13%
Distribution Volumetric Rate	1,000	0.0309	30.90	1,000	0.0308	30.80	-0.10	-0.32%	16.74%
Volumetric Smoothing Rider	1,000	-0.0014	-1.40	1,000	-0.0004	-0.40	1.00	-71.43%	-0.22%
Volumetric Deferral/Variance Account Rider	1,000	0.0002	0.20	1,000	0.0002	0.20	0.00	0.00%	0.11%
Sub-Total: Distribution (excluding pass through)			67.32			69.31	1.99	2.96%	37.67%
Line Losses on Cost of Power	92	0.09	8.37	92	0.09	8.37	0.00	0.00%	4.55%
Sub-Total: Distribution			75.69			77.68	1.99	2.63%	42.22%
Retail Transmission Rate – Network Service Rate	1,092	0.0047	5.13	1,092	0.0047	5.13	0.00	0.00%	2.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0032	3.49	1,092	0.0032	3.49	0.00	0.00%	1.90%
Sub-Total: Retail Transmission			8.63			8.63	0.00	0.00%	4.69%
Sub-Total: Delivery (excluding pass through)			75.95			77.94	1.99	2.62%	42.36%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.61%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.46%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.80%
Total Bill on Two-Tier RPP (before Taxes)			178.93			180.92	1.99	1.11%	98.33%
HST		0.13	23.26		0.13	23.52	0.26	1.11%	12.78%
Total Bill (including HST)			202.20			204.44	2.25	1.11%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.22		-0.10	-20.44	-0.22	1.11%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			181.98			184.00	2.02	1.11%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	37.88%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	37.88%
Service Charge	1	88.72	88.72	1	95.25	95.25	6.53	7.36%	3.08%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.98	-3.98	1	-1.31	-1.31	2.67	-67.09%	-0.04%
Fixed Deferral/Variance Account Rider	1	0.49	0.49	1	0.5	0.50	0.01	2.04%	0.02%
Distribution Volumetric Rate	60	15.9486	956.92	60	17.3885	1,043.31	86.39	9.03%	33.78%
Volumetric Smoothing Rider	60	-0.7158	-42.95	60	-0.2383	-14.30	28.65	-66.71%	-0.46%
Volumetric Deferral/Variance Account Rider	60	0.062	3.72	60	0.0661	3.97	0.25	6.61%	0.13%
Sub-Total: Distribution (excluding pass through)			1,002.92			1,127.42	124.50	12.41%	36.50%
Line Losses on Cost of Power	915	0.08	71.37	915	0.08	71.37	0.00	0.00%	2.31%
Sub-Total: Distribution			1,074.29			1,198.79	124.50	11.59%	38.81%
Retail Transmission Rate – Network Service Rate	60	1.6926	101.56	60	1.6926	101.56	0.00	0.00%	3.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.1477	68.86	60	1.1477	68.86	0.00	0.00%	2.23%
Sub-Total: Retail Transmission			170.42			170.42	0.00	0.00%	5.52%
Sub-Total: Delivery			1,173.34			1,297.84	124.50	10.61%	42.02%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.27%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	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%	0.01%
Sub-Total: Regulatory			89.37			89.37	0.00	0.00%	2.89%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.40%
Total Bill on Two-Tier RPP (before Taxes)			2,609.08			2,733.58	124.50	4.77%	88.50%
HST		0.13	339.18		0.13	355.37	16.19	4.77%	11.50%
Total Bill (including HST)			2,948.26			3,088.95	140.69	4.77%	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 HST and OCEB)			2,948.26			3,088.95	140.69	4.77%	100.00%

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	41.29%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	41.29%
Service Charge	1	88.72	88.72	1	95.25	95.25	6.53	7.36%	1.44%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.98	-3.98	1	-1.31	-1.31	2.67	-67.09%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.49	0.49	1	0.5	0.50	0.01	2.04%	0.01%
Distribution Volumetric Rate	120	15.9486	1,913.83	120	17.3885	2,086.62	172.79	9.03%	31.56%
Volumetric Smoothing Rider	120	-0.7158	-85.90	120	-0.2383	-28.60	57.30	-66.71%	-0.43%
Volumetric Deferral/Variance Account Rider	120	0.062	7.44	120	0.0661	7.93	0.49	6.61%	0.12%
Sub-Total: Distribution (excluding pass through)			1,920.61			2,160.40	239.79	12.49%	32.68%
Line Losses on Cost of Power	2,135	0.08	166.53	2,135	0.08	166.53	0.00	0.00%	2.52%
Sub-Total: Distribution			2,087.14			2,326.93	239.79	11.49%	35.19%
Retail Transmission Rate – Network Service Rate	120	1.6926	203.11	120	1.6926	203.11	0.00	0.00%	3.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.1477	137.72	120	1.1477	137.72	0.00	0.00%	2.08%
Sub-Total: Retail Transmission			340.84			340.84	0.00	0.00%	5.16%
Sub-Total: Delivery			2,261.44			2,501.23	239.79	10.60%	37.83%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.47%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	3.15%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.71%
Total Bill on Two-Tier RPP (before Taxes)			5,611.18			5,850.97	239.79	4.27%	88.50%
HST		0.13	729.45		0.13	760.63	31.17	4.27%	11.50%
Total Bill (including HST)			6,340.63			6,611.59	270.96	4.27%	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 HST and OCEB)			6,340.63			6,611.59	270.96	4.27%	100.00%

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	44.96%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	44.96%
Service Charge	1	88.72	88.72	1	95.25	95.25	6.53	7.36%	0.31%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.98	-3.98	1	-1.31	-1.31	2.67	-67.09%	0.00%
Fixed Deferral/Variance Account Rider	1	0.49	0.49	1	0.5	0.50	0.01	2.04%	0.00%
Distribution Volumetric Rate	500	15.9486	7,974.30	500	17.3885	8,694.25	719.95	9.03%	28.63%
Volumetric Smoothing Rider	500	-0.7158	-357.90	500	-0.2383	-119.15	238.75	-66.71%	-0.39%
Volumetric Deferral/Variance Account Rider	500	0.062	31.00	500	0.0661	33.05	2.05	6.61%	0.11%
Sub-Total: Distribution (excluding pass through)			7,732.63			8,702.59	969.96	12.54%	28.66%
Line Losses on Cost of Power	10,675	0.08	832.65	10,675	0.08	832.65	0.00	0.00%	2.74%
Sub-Total: Distribution			8,565.28			9,535.24	969.96	11.32%	31.40%
Retail Transmission Rate – Network Service Rate	500	1.6926	846.30	500	1.6926	846.30	0.00	0.00%	2.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.1477	573.85	500	1.1477	573.85	0.00	0.00%	1.89%
Sub-Total: Retail Transmission			1,420.15			1,420.15	0.00	0.00%	4.68%
Sub-Total: Delivery			9,152.78			10,122.74	969.96	10.60%	33.34%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.69%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.43%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.03%
Total Bill on Two-Tier RPP (before Taxes)			25,900.46			26,870.42	969.96	3.74%	88.50%
HST		0.13	3,367.06		0.13	3,493.15	126.09	3.74%	11.50%
Total Bill (including HST)			29,267.52			30,363.57	1,096.05	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 HST and OCEB)			29,267.52			30,363.57	1,096.05	3.74%	100.00%

2017 Bill Impacts (Low Consumption Level)

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	44.63%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	44.63%
Service Charge	1	91.46	91.46	1	98.68	98.68	7.22	7.89%	3.76%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.1	-4.10	1	-1.35	-1.35	2.75	-67.07%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.51	0.51	1	0.52	0.52	0.01	1.96%	0.02%
Distribution Volumetric Rate	60	9.1105	546.63	60	9.9305	595.83	49.20	9.00%	22.73%
Volumetric Smoothing Rider	60	-0.4089	-24.53	60	-0.1361	-8.17	16.37	-66.72%	-0.31%
Volumetric Deferral/Variance Account Rider	60	0.0291	1.75	60	0.0315	1.89	0.14	8.25%	0.07%
Sub-Total: Distribution (excluding pass through)			611.71			687.40	75.69	12.37%	26.22%
Line Losses on Cost of Power	750	0.08	58.50	750	0.08	58.50	0.00	0.00%	2.23%
Sub-Total: Distribution			670.21			745.90	75.69	11.29%	28.45%
Retail Transmission Rate – Network Service Rate	60	2.1155	126.93	60	2.1155	126.93	0.00	0.00%	4.84%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.3969	83.81	60	1.3969	83.81	0.00	0.00%	3.20%
Sub-Total: Retail Transmission			210.74			210.74	0.00	0.00%	8.04%
Sub-Total: Delivery			822.46			898.15	75.69	9.20%	34.26%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.64%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	0.00	0.00%	0.72%
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			88.45			88.45	0.00	0.00%	3.37%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.01%
Total Bill on Two-Tier RPP (before Taxes)			2,244.41			2,320.10	75.69	3.37%	88.50%
HST		0.13	291.77		0.13	301.61	9.84	3.37%	11.50%
Total Bill (including HST)			2,536.18			2,621.71	85.53	3.37%	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 HST and OCEB)			2,536.18			2,621.71	85.53	3.37%	100.00%

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	48.16%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	48.16%
Service Charge	1	91.46	91.46	1	98.68	98.68	7.22	7.89%	1.74%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.1	-4.10	1	-1.35	-1.35	2.75	-67.07%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.51	0.51	1	0.52	0.52	0.01	1.96%	0.01%
Distribution Volumetric Rate	120	9.1105	1,093.26	120	9.9305	1,191.66	98.40	9.00%	21.02%
Volumetric Smoothing Rider	120	-0.4089	-49.07	120	-0.1361	-16.33	32.74	-66.72%	-0.29%
Volumetric Deferral/Variance Account Rider	120	0.0291	3.49	120	0.0315	3.78	0.29	8.25%	0.07%
Sub-Total: Distribution (excluding pass through)			1,135.55			1,276.96	141.40	12.45%	22.53%
Line Losses on Cost of Power	1,750	0.08	136.50	1,750	0.08	136.50	0.00	0.00%	2.41%
Sub-Total: Distribution			1,272.05			1,413.46	141.40	11.12%	24.94%
Retail Transmission Rate – Network Service Rate	120	2.1155	253.86	120	2.1155	253.86	0.00	0.00%	4.48%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.3969	167.63	120	1.3969	167.63	0.00	0.00%	2.96%
Sub-Total: Retail Transmission			421.49			421.49	0.00	0.00%	7.44%
Sub-Total: Delivery			1,557.04			1,698.45	141.40	9.08%	29.97%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.85%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	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			206.05			206.05	0.00	0.00%	3.64%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.32%
Total Bill on Two-Tier RPP (before Taxes)			4,874.59			5,016.00	141.40	2.90%	88.50%
HST		0.13	633.70		0.13	652.08	18.38	2.90%	11.50%
Total Bill (including HST)			5,508.29			5,668.08	159.79	2.90%	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 HST and OCEB)			5,508.29			5,668.08	159.79	2.90%	100.00%

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	51.72%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	51.72%
Service Charge	1	91.46	91.46	1	98.68	98.68	7.22	7.89%	0.37%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.1	-4.10	1	-1.35	-1.35	2.75	-67.07%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.51	0.51	1	0.52	0.52	0.01	1.96%	0.00%
Distribution Volumetric Rate	500	9.1105	4,555.25	500	9.9305	4,965.25	410.00	9.00%	18.82%
Volumetric Smoothing Rider	500	-0.4089	-204.45	500	-0.1361	-68.05	136.40	-66.72%	-0.26%
Volumetric Deferral/Variance Account Rider	500	0.0291	14.55	500	0.0315	15.75	1.20	8.25%	0.06%
Sub-Total: Distribution (excluding pass through)			4,453.22			5,010.80	557.58	12.52%	18.99%
Line Losses on Cost of Power	8,750	0.08	682.50	8,750	0.08	682.50	0.00	0.00%	2.59%
Sub-Total: Distribution			5,135.72			5,693.30	557.58	10.86%	21.57%
Retail Transmission Rate – Network Service Rate	500	2.1155	1,057.75	500	2.1155	1,057.75	0.00	0.00%	4.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.3969	698.45	500	1.3969	698.45	0.00	0.00%	2.65%
Sub-Total: Retail Transmission			1,756.20			1,756.20	0.00	0.00%	6.65%
Sub-Total: Delivery			6,209.42			6,767.00	557.58	8.98%	25.64%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	3.06%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	0.00	0.00%	0.84%
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			1,029.25			1,029.25	0.00	0.00%	3.90%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.64%
Total Bill on Two-Tier RPP (before Taxes)			22,796.17			23,353.75	557.58	2.45%	88.50%
HST		0.13	2,963.50		0.13	3,035.99	72.49	2.45%	11.50%
Total Bill (including HST)			25,759.67			26,389.74	630.07	2.45%	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 HST and OCEB)			25,759.67			26,389.74	630.07	2.45%	100.00%

2017 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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	300	0.078	23.40	300	0.078	23.40	0.00	0.00%	6.12%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			23.40			23.40	0.00	0.00%	6.12%
Service Charge	1	207.03	207.03	1	239.01	239.01	31.98	15.45%	62.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-9.29	-9.29	1	-3.28	-3.28	6.01	-64.69%	-0.86%
Fixed Deferral/Variance Account Rider	1	1.65	1.65	1	1.83	1.83	0.18	10.91%	0.48%
Distribution Volumetric Rate	10	4.8322	48.32	10	6.291	62.91	14.59	30.19%	16.45%
Volumetric Smoothing Rider	10	-0.2169	-2.17	10	-0.0862	-0.86	1.31	-60.26%	-0.23%
Volumetric Deferral/Variance Account Rider	10	0.033	0.33	10	0.0424	0.42	0.09	28.48%	0.11%
Sub-Total: Distribution (excluding pass through)			245.87			300.03	54.16	22.03%	78.44%
Line Losses on Cost of Power	18	0.08	1.43	18	0.08	1.43	0.00	0.00%	0.37%
Sub-Total: Distribution			247.30			301.46	54.16	21.90%	78.81%
Retail Transmission Rate – Network Service Rate	10	0.5719	5.72	10	0.5719	5.72	0.00	0.00%	1.50%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3796	3.80	10	0.3796	3.80	0.00	0.00%	0.99%
Sub-Total: Retail Transmission			9.52			9.52	0.00	0.00%	2.49%
Sub-Total: Delivery			255.39			309.55	54.16	21.21%	80.92%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.37%
Rural Rate Protection Charge	318	0.0012	0.38	318	0.0012	0.38	0.00	0.00%	0.10%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%
Sub-Total: Regulatory			2.03			2.03	0.00	0.00%	0.53%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.55%
Total Bill on Two-Tier RPP (before Taxes)			284.35			338.51	54.16	19.05%	88.50%
HST			0.13		0.13	44.01	7.04	19.05%	11.50%
Total Bill (including HST)			321.31			382.51	61.20	19.05%	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 HST and OCEB)			321.31			382.51	61.20	19.05%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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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)	2,000	0.078	156.00	2,000	0.078	156.00	0.00	0.00%	24.09%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			156.00			156.00	0.00	0.00%	24.09%
Service Charge	1	207.03	207.03	1	239.01	239.01	31.98	15.45%	36.90%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-9.29	-9.29	1	-3.28	-3.28	6.01	-64.69%	-0.51%
Fixed Deferral/Variance Account Rider	1	1.65	1.65	1	1.83	1.83	0.18	10.91%	0.28%
Distribution Volumetric Rate	20	4.8322	96.64	20	6.291	125.82	29.18	30.19%	19.43%
Volumetric Smoothing Rider	20	-0.2169	-4.34	20	-0.0862	-1.72	2.61	-60.26%	-0.27%
Volumetric Deferral/Variance Account Rider	20	0.033	0.66	20	0.0424	0.85	0.19	28.48%	0.13%
Sub-Total: Distribution (excluding pass through)			292.36			362.50	70.15	23.99%	55.97%
Line Losses on Cost of Power	122	0.08	9.52	122	0.08	9.52	0.00	0.00%	1.47%
Sub-Total: Distribution			301.87			372.02	70.15	23.24%	57.44%
Retail Transmission Rate – Network Service Rate	20	0.5719	11.44	20	0.5719	11.44	0.00	0.00%	1.77%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3796	7.59	20	0.3796	7.59	0.00	0.00%	1.17%
Sub-Total: Retail Transmission			19.03			19.03	0.00	0.00%	2.94%
Sub-Total: Delivery			311.39			381.53	70.15	22.53%	58.91%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.44%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	1.87%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.16%
Total Bill on Two-Tier RPP (before Taxes)			503.04			573.18	70.15	13.94%	88.50%
HST		0.13	65.39		0.13	74.51	9.12	13.94%	11.50%
Total Bill (including HST)			568.43			647.70	79.27	13.94%	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 HST and OCEB)			568.43			647.70	79.27	13.94%	100.00%

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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)	5,000	0.078	390.00	5,000	0.078	390.00	0.00	0.00%	24.03%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			390.00			390.00	0.00	0.00%	24.03%
Service Charge	1	207.03	207.03	1	239.01	239.01	31.98	15.45%	14.73%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-9.29	-9.29	1	-3.28	-3.28	6.01	-64.69%	-0.20%
Fixed Deferral/Variance Account Rider	1	1.65	1.65	1	1.83	1.83	0.18	10.91%	0.11%
Distribution Volumetric Rate	100	4.8322	483.22	100	6.291	629.10	145.88	30.19%	38.76%
Volumetric Smoothing Rider	100	-0.2169	-21.69	100	-0.0862	-8.62	13.07	-60.26%	-0.53%
Volumetric Deferral/Variance Account Rider	100	0.033	3.30	100	0.0424	4.24	0.94	28.48%	0.26%
Sub-Total: Distribution (excluding pass through)			664.22			862.28	198.06	29.82%	53.13%
Line Losses on Cost of Power	305	0.08	23.79	305	0.08	23.79	0.00	0.00%	1.47%
Sub-Total: Distribution			688.01			886.07	198.06	28.79%	54.60%
Retail Transmission Rate – Network Service Rate	100	0.5719	57.19	100	0.5719	57.19	0.00	0.00%	3.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3796	37.96	100	0.3796	37.96	0.00	0.00%	2.34%
Sub-Total: Retail Transmission			95.15			95.15	0.00	0.00%	5.86%
Sub-Total: Delivery			759.37			957.43	198.06	26.08%	59.00%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.44%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	1.85%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.16%
Total Bill on Two-Tier RPP (before Taxes)			1,238.12			1,436.18	198.06	16.00%	88.50%
HST		0.13	160.96		0.13	186.70	25.75	16.00%	11.50%
Total Bill (including HST)			1,399.07			1,622.88	223.81	16.00%	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 HST and OCEB)			1,399.07			1,622.88	223.81	16.00%	100.00%

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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)	200,000	0.078	15,600.00	200,000	0.078	15,600.00	0.00	0.00%	57.93%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,600.00			15,600.00	0.00	0.00%	57.93%
Service Charge	1	1225.03	1,225.03	1	1263.08	1,263.08	38.05	3.11%	4.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-41.53	-41.53	1	-13.24	-13.24	28.29	-68.12%	-0.05%
Fixed Deferral/Variance Account Rider	1	4.99	4.99	1	5.02	5.02	0.03	0.60%	0.02%
Distribution Volumetric Rate	500	1.2945	647.25	500	1.3776	688.80	41.55	6.42%	2.56%
Volumetric Smoothing Rider	500	-0.0626	-31.30	500	-0.0202	-10.10	21.20	-67.73%	-0.04%
Volumetric Deferral/Variance Account Rider	500	0.1913	95.65	500	0.1916	95.80	0.15	0.16%	0.36%
Sub-Total: Distribution (excluding pass through)			1,900.09			2,029.36	129.27	6.80%	7.54%
Line Losses on Cost of Power	6,800	0.08	530.40	6,800	0.08	530.40	0.00	0.00%	1.97%
Sub-Total: Distribution			2,430.49			2,559.76	129.27	5.32%	9.51%
Retail Transmission Rate – Network Service Rate	500	3.5856	1,792.80	500	3.5856	1,792.80	0.00	0.00%	6.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6378	1,318.90	500	2.6378	1,318.90	0.00	0.00%	4.90%
Sub-Total: Retail Transmission			3,111.70			3,111.70	0.00	0.00%	11.56%
Sub-Total: Delivery			5,011.79			5,141.06	129.27	2.58%	19.09%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.38%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.30%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	5.20%
Total Bill on Two-Tier RPP (before Taxes)			23,700.52			23,829.79	129.27	0.55%	88.50%
HST		0.13	3,081.07		0.13	3,097.87	16.81	0.55%	11.50%
Total Bill (including HST)			26,781.59			26,927.66	146.08	0.55%	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 HST and OCEB)			26,781.59			26,927.66	146.08	0.55%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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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)	500,000	0.078	39,000.00	500,000	0.078	39,000.00	0.00	0.00%	61.91%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39,000.00			39,000.00	0.00	0.00%	61.91%
Service Charge	1	1225.03	1,225.03	1	1263.08	1,263.08	38.05	3.11%	2.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-41.53	-41.53	1	-13.24	-13.24	28.29	-68.12%	-0.02%
Fixed Deferral/Variance Account Rider	1	4.99	4.99	1	5.02	5.02	0.03	0.60%	0.01%
Distribution Volumetric Rate	1,000	1.2945	1,294.50	1,000	1.3776	1,377.60	83.10	6.42%	2.19%
Volumetric Smoothing Rider	1,000	-0.0626	-62.60	1,000	-0.0202	-20.20	42.40	-67.73%	-0.03%
Volumetric Deferral/Variance Account Rider	1,000	0.1913	191.30	1,000	0.1916	191.60	0.30	0.16%	0.30%
Sub-Total: Distribution (excluding pass through)			2,611.69			2,803.86	192.17	7.36%	4.45%
Line Losses on Cost of Power	17,000	0.08	1,326.00	17,000	0.08	1,326.00	0.00	0.00%	2.10%
Sub-Total: Distribution			3,937.69			4,129.86	192.17	4.88%	6.56%
Retail Transmission Rate – Network Service Rate	1,000	3.5856	3,585.60	1,000	3.5856	3,585.60	0.00	0.00%	5.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6378	2,637.80	1,000	2.6378	2,637.80	0.00	0.00%	4.19%
Sub-Total: Retail Transmission			6,223.40			6,223.40	0.00	0.00%	9.88%
Sub-Total: Delivery			8,835.09			9,027.26	192.17	2.18%	14.33%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.61%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	0.00	0.00%	0.98%
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			2,895.45			2,895.45	0.00	0.00%	4.60%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.56%
Total Bill on Two-Tier RPP (before Taxes)			55,556.54			55,748.71	192.17	0.35%	88.50%
HST		0.13	7,222.35		0.13	7,247.33	24.98	0.35%	11.50%
Total Bill (including HST)			62,778.89			62,996.04	217.15	0.35%	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 HST and OCEB)			62,778.89			62,996.04	217.15	0.35%	100.00%

2017 Bill Impacts (High Consumption Level)

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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)	4,000,000	0.078	312,000.00	4,000,000	0.078	312,000.00	0.00	0.00%	60.98%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			312,000.00			312,000.00	0.00	0.00%	60.98%
Service Charge	1	1225.03	1,225.03	1	1263.08	1,263.08	38.05	3.11%	0.25%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-41.53	-41.53	1	-13.24	-13.24	28.29	-68.12%	0.00%
Fixed Deferral/Variance Account Rider	1	4.99	4.99	1	5.02	5.02	0.03	0.60%	0.00%
Distribution Volumetric Rate	10,000	1.2945	12,945.00	10,000	1.3776	13,776.00	831.00	6.42%	2.69%
Volumetric Smoothing Rider	10,000	-0.0626	-626.00	10,000	-0.0202	-202.00	424.00	-67.73%	-0.04%
Volumetric Deferral/Variance Account Rider	10,000	0.1913	1,913.00	10,000	0.1916	1,916.00	3.00	0.16%	0.37%
Sub-Total: Distribution (excluding pass through)			15,420.49			16,744.86	1,324.37	8.59%	3.27%
Line Losses on Cost of Power	136,000	0.08	10,608.00	136,000	0.08	10,608.00	0.00	0.00%	2.07%
Sub-Total: Distribution			26,028.49			27,352.86	1,324.37	5.09%	5.35%
Retail Transmission Rate – Network Service Rate	10,000	3.5856	35,856.00	10,000	3.5856	35,856.00	0.00	0.00%	7.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6378	26,378.00	10,000	2.6378	26,378.00	0.00	0.00%	5.16%
Sub-Total: Retail Transmission			62,234.00			62,234.00	0.00	0.00%	12.16%
Sub-Total: Delivery			77,654.49			78,978.86	1,324.37	1.71%	15.44%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.56%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.97%
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			23,161.85			23,161.85	0.00	0.00%	4.53%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.47%
Total Bill on Two-Tier RPP (before Taxes)			451,424.34			452,748.71	1,324.37	0.29%	88.50%
HST		0.13	58,685.16		0.13	58,857.33	172.17	0.29%	11.50%
Total Bill (including HST)			510,109.50			511,606.04	1,496.54	0.29%	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 HST and OCEB)			510,109.50			511,606.04	1,496.54	0.29%	100.00%

2018 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	22.37%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	22.37%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		12.08%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		5.27%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		6.29%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	24.07%	23.64%
Service Charge	1	20.51	20.51	1	19.93	19.93	-0.58	-2.83%	57.16%	56.14%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.28	-0.28	1	0.49	0.49	0.77	-275.00%	1.41%	1.38%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.20	0.20	-0.01	-4.76%	0.57%	0.56%
Distribution Volumetric Rate	100	0.0183	1.83	100	0.0180	1.80	-0.03	-1.64%	5.16%	5.07%
Volumetric Smoothing Rider	100	-0.0003	-0.03	100	0.0004	0.04	0.07	-233.33%	0.11%	0.11%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			22.25			22.47	0.22	0.99%	64.45%	63.29%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.27%	2.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.08	0.44	6	0.08	0.44	0.00	0.00%	1.28%	1.25%
Line Losses on Cost of Power (based on TOU prices)	6	0.08	0.48	6	0.08	0.48	0.00	0.00%	1.37%	1.35%
Sub-Total: Distribution (based on two-tier RPP prices)			23.48			23.70	0.22	0.94%	67.99%	66.77%
Sub-Total: Distribution (based on TOU prices)			23.52			23.74	0.22	0.94%	68.08%	66.86%
Retail Transmission Rate – Network Service Rate	106	0.0067	0.71	106	0.0067	0.71	0.00	0.00%	2.03%	1.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	106	0.005	0.53	106	0.005	0.53	0.00	0.00%	1.52%	1.49%
Sub-Total: Retail Transmission			1.24			1.24	0.00	0.00%	3.55%	3.48%
Sub-Total: Delivery (excluding pass through)			23.49			23.71	0.22	0.94%	67.99%	66.77%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.33%	1.31%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	0.00	0.00%	0.36%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.72%	0.70%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.41%	2.37%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.01%	1.97%
Total Bill on Two-Tier RPP (before Taxes)			34.06			34.28	0.22	0.65%	98.33%	
HST		0.13	4.43		0.13	4.46	0.03	0.65%	12.78%	
Total Bill (including HST)			38.49			38.74	0.25	0.65%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.85		-0.10	-3.87	-0.02	0.65%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			34.64			34.87	0.22	0.65%	100.00%	
Total Bill on TOU (before Taxes)			34.69			34.91	0.22	0.63%		98.33%
HST		0.13	4.51		0.13	4.54	0.03	0.63%		12.78%
Total Bill (including HST)			39.20			39.45	0.25	0.63%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.92		-0.10	-3.94	-0.02	0.63%		-11.11%
Total Bill on TOU (including HST and OCEB)			35.28			35.50	0.22	0.63%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	36.57%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	14.22%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	50.79%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		26.42%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		11.54%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		13.75%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	52.46%	51.71%
Service Charge	1	20.51	20.51	1	19.93	19.93	-0.58	-2.83%	15.57%	15.35%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.28	-0.28	1	0.49	0.49	0.77	-275.00%	0.38%	0.38%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.20	0.20	-0.01	-4.76%	0.16%	0.15%
Distribution Volumetric Rate	800	0.0183	14.64	800	0.018	14.40	-0.24	-1.64%	11.25%	11.09%
Volumetric Smoothing Rider	800	-0.0003	-0.24	800	0.0004	0.32	0.56	-233.33%	0.25%	0.25%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			34.92			35.42	0.50	1.43%	27.68%	27.28%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.62%	0.61%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.09	4.15	46	0.09	4.15	0.00	0.00%	3.24%	3.20%
Line Losses on Cost of Power (based on TOU prices)	46	0.08	3.83	46	0.08	3.83	0.00	0.00%	2.99%	2.95%
Sub-Total: Distribution (based on two-tier RPP prices)			39.86			40.36	0.50	1.25%	31.54%	31.09%
Sub-Total: Distribution (based on TOU prices)			39.54			40.04	0.50	1.26%	31.28%	30.84%
Retail Transmission Rate – Network Service Rate	846	0.0067	5.67	846	0.0067	5.67	0.00	0.00%	4.43%	4.36%
Retail Transmission Rate – Line and Transformation Connection Service Rate	846	0.005	4.23	846	0.005	4.23	0.00	0.00%	3.30%	3.26%
Sub-Total: Retail Transmission			9.89			9.89	0.00	0.00%	7.73%	7.62%
Sub-Total: Delivery (excluding pass through)			44.81			45.31	0.50	1.12%	35.41%	34.90%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.91%	2.87%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.79%	0.78%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.19%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.90%	3.84%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.38%	4.31%
Total Bill on Two-Tier RPP (before Taxes)			125.34			125.84	0.50	0.40%	98.33%	
HST		0.13	16.29		0.13	16.36	0.07	0.40%	12.78%	
Total Bill (including HST)			141.63			142.20	0.57	0.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.16		-0.10	-14.22	-0.06	0.40%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			127.47			127.98	0.51	0.40%	100.00%	
Total Bill on TOU (before Taxes)			127.15			127.65	0.50	0.39%		98.33%
HST		0.13	16.53		0.13	16.59	0.07	0.39%		12.78%
Total Bill (including HST)			143.68			144.25	0.56	0.39%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.37		-0.10	-14.42	-0.06	0.39%		-11.11%
Total Bill on TOU (including HST and OCEB)			129.31			129.82	0.51	0.39%		100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	15.66%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	42.64%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	58.30%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		29.42%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.84%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		15.31%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	56.17%	57.58%
Service Charge	1	20.51	20.51	1	19.93	19.93	-0.58	-2.83%	6.67%	6.84%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.28	-0.28	1	0.49	0.49	0.77	-275.00%	0.16%	0.17%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.20	0.20	-0.01	-4.76%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0183	36.60	2,000	0.018	36.00	-0.60	-1.64%	12.05%	12.35%
Volumetric Smoothing Rider	2,000	-0.0003	-0.60	2,000	0.0004	0.80	1.40	-233.33%	0.27%	0.27%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			56.64			57.62	0.98	1.73%	19.28%	19.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.26%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.09	10.37	114	0.09	10.37	0.00	0.00%	3.47%	3.56%
Line Losses on Cost of Power (based on TOU prices)	114	0.08	9.57	114	0.08	9.57	0.00	0.00%	3.20%	3.28%
Sub-Total: Distribution (based on two-tier RPP prices)			67.80			68.78	0.98	1.45%	23.02%	23.60%
Sub-Total: Distribution (based on TOU prices)			67.00			67.98	0.98	1.46%	22.75%	23.32%
Retail Transmission Rate – Network Service Rate	2,114	0.0067	14.16	2,114	0.0067	14.16	0.00	0.00%	4.74%	4.86%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,114	0.005	10.57	2,114	0.005	10.57	0.00	0.00%	3.54%	3.63%
Sub-Total: Retail Transmission			24.73			24.73	0.00	0.00%	8.28%	8.48%
Sub-Total: Delivery (excluding pass through)			81.37			82.35	0.98	1.20%	27.56%	28.25%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	3.11%	3.19%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	0.00	0.00%	0.85%	0.87%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.09%
Sub-Total: Regulatory			12.09			12.09	0.00	0.00%	4.05%	4.15%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.69%	4.80%
Total Bill on Two-Tier RPP (before Taxes)			292.83			293.81	0.98	0.33%	98.33%	
HST		0.13	38.07		0.13	38.19	0.13	0.33%	12.78%	
Total Bill (including HST)			330.89			332.00	1.11	0.33%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-33.09		-0.10	-33.20	-0.11	0.33%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			297.80			298.80	1.00	0.33%	100.00%	
Total Bill on TOU (before Taxes)			285.66			286.64	0.98	0.34%		98.33%
HST		0.13	37.14		0.13	37.26	0.13	0.34%		12.78%
Total Bill (including HST)			322.79			323.90	1.11	0.34%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-32.28		-0.10	-32.39	-0.11	0.34%		-11.11%
Total Bill on TOU (including HST and OCEB)			290.52			291.51	1.00	0.34%		100.00%

2018 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	17.25%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	17.25%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		9.35%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		4.08%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		4.87%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	18.56%	18.30%
Service Charge	1	28.95	28.95	1	28.26	28.26	-0.69	-2.38%	62.50%	61.62%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.4	-0.40	1	0.69	0.69	1.09	-272.50%	1.53%	1.50%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.53%	0.52%
Distribution Volumetric Rate	100	0.0329	3.29	100	0.0325	3.25	-0.04	-1.22%	7.19%	7.09%
Volumetric Smoothing Rider	100	-0.0005	-0.05	100	0.0008	0.08	0.13	-260.00%	0.18%	0.17%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0001	0.01	-0.01	-50.00%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			32.06			32.53	0.47	1.47%	71.94%	70.93%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.75%	1.72%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.08	0.59	8	0.08	0.59	0.00	0.00%	1.31%	1.29%
Line Losses on Cost of Power (based on TOU prices)	8	0.08	0.64	8	0.08	0.64	0.00	0.00%	1.41%	1.39%
Sub-Total: Distribution (based on two-tier RPP prices)			33.44			33.91	0.47	1.41%	75.00%	73.94%
Sub-Total: Distribution (based on TOU prices)			33.49			33.96	0.47	1.40%	75.10%	74.04%
Retail Transmission Rate – Network Service Rate	108	0.0063	0.68	108	0.0063	0.68	0.00	0.00%	1.50%	1.48%
Retail Transmission Rate – Line and Transformation Connection Service Rate	108	0.0048	0.52	108	0.0048	0.52	0.00	0.00%	1.14%	1.13%
Sub-Total: Retail Transmission			1.19			1.19	0.00	0.00%	2.64%	2.60%
Sub-Total: Delivery (excluding pass through)			33.25			33.72	0.47	1.41%	74.59%	73.53%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.05%	1.03%
Rural Rate Protection Charge	108	0.0012	0.13	108	0.0012	0.13	0.00	0.00%	0.29%	0.28%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.55%	0.55%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	1.89%	1.86%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.55%	1.53%
Total Bill on Two-Tier RPP (before Taxes)			43.99			44.46	0.47	1.07%	98.33%	
HST		0.13	5.72		0.13	5.78	0.06	1.07%	12.78%	
Total Bill (including HST)			49.71			50.24	0.53	1.07%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.97		-0.10	-5.02	-0.05	1.07%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			44.74			45.22	0.48	1.07%	100.00%	
Total Bill on TOU (before Taxes)			44.63			45.10	0.47	1.05%		98.33%
HST		0.13	5.80		0.13	5.86	0.06	1.05%	12.78%	
Total Bill (including HST)			50.43			50.96	0.53	1.05%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.04		-0.10	-5.10	-0.05	1.05%	-11.11%	
Total Bill on TOU (including HST and OCEB)			45.39			45.86	0.48	1.05%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	31.21%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	12.14%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	43.34%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		22.61%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		9.87%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		11.77%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	44.77%	44.26%
Service Charge	1	28.95	28.95	1	28.26	28.26	-0.69	-2.38%	18.84%	18.63%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.4	-0.40	1	0.69	0.69	1.09	-272.50%	0.46%	0.45%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.16%	0.16%
Distribution Volumetric Rate	800	0.0329	26.32	800	0.0325	26.00	-0.32	-1.22%	17.34%	17.14%
Volumetric Smoothing Rider	800	-0.0005	-0.40	800	0.0008	0.64	1.04	-260.00%	0.43%	0.42%
Volumetric Deferral/Variance Account Rider	800	0.0002	0.16	800	0.0001	0.08	-0.08	-50.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			54.88			55.91	1.03	1.88%	37.28%	36.86%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.53%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.09	5.53	61	0.09	5.53	0.00	0.00%	3.69%	3.65%
Line Losses on Cost of Power (based on TOU prices)	61	0.08	5.10	61	0.08	5.10	0.00	0.00%	3.40%	3.36%
Sub-Total: Distribution (based on two-tier RPP prices)			61.20			62.23	1.03	1.68%	41.50%	41.02%
Sub-Total: Distribution (based on TOU prices)			60.77			61.80	1.03	1.69%	41.21%	40.74%
Retail Transmission Rate – Network Service Rate	861	0.0063	5.42	861	0.0063	5.42	0.00	0.00%	3.62%	3.57%
Retail Transmission Rate – Line and Transformation Connection Service Rate	861	0.0048	4.13	861	0.0048	4.13	0.00	0.00%	2.76%	2.72%
Sub-Total: Retail Transmission			9.55			9.55	0.00	0.00%	6.37%	6.30%
Sub-Total: Delivery (excluding pass through)			64.43			65.46	1.03	1.60%	43.65%	43.15%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.53%	2.50%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.69%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.17%	0.16%
Sub-Total: Regulatory			5.07			5.07	0.00	0.00%	3.38%	3.34%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.73%	3.69%
Total Bill on Two-Tier RPP (before Taxes)			146.43			147.46	1.03	0.70%	98.33%	
HST		0.13	19.04		0.13	19.17	0.13	0.70%	12.78%	
Total Bill (including HST)			165.46			166.63	1.16	0.70%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.55		-0.10	-16.66	-0.12	0.70%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			148.92			149.96	1.05	0.70%	100.00%	
Total Bill on TOU (before Taxes)			148.13			149.16	1.03	0.70%		98.33%
HST		0.13	19.26		0.13	19.39	0.13	0.70%		12.78%
Total Bill (including HST)			167.39			168.55	1.16	0.70%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.74		-0.10	-16.86	-0.12	0.70%		-11.11%
Total Bill on TOU (including HST and OCEB)			150.65			151.70	1.05	0.70%		100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	13.74%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	37.39%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	51.13%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		25.74%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.24%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.40%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	49.26%	50.38%
Service Charge	1	28.95	28.95	1	28.26	28.26	-0.69	-2.38%	8.29%	8.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.4	-0.40	1	0.69	0.69	1.09	-272.50%	0.20%	0.21%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0329	65.80	2,000	0.0325	65.00	-0.80	-1.22%	19.08%	19.51%
Volumetric Smoothing Rider	2,000	-0.0005	-1.00	2,000	0.0008	1.60	2.60	-260.00%	0.47%	0.48%
Volumetric Deferral/Variance Account Rider	2,000	0.0002	0.40	2,000	0.0001	0.20	-0.20	-50.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			94.00			95.99	1.99	2.12%	28.17%	28.81%
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)	152	0.09	13.83	152	0.09	13.83	0.00	0.00%	4.06%	4.15%
Line Losses on Cost of Power (based on TOU prices)	152	0.08	12.76	152	0.08	12.76	0.00	0.00%	3.74%	3.83%
Sub-Total: Distribution (based on two-tier RPP prices)			108.62			110.61	1.99	1.83%	32.47%	33.20%
Sub-Total: Distribution (based on TOU prices)			107.55			109.54	1.99	1.85%	32.15%	32.88%
Retail Transmission Rate – Network Service Rate	2,152	0.0063	13.56	2,152	0.0063	13.56	0.00	0.00%	3.98%	4.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,152	0.0048	10.33	2,152	0.0048	10.33	0.00	0.00%	3.03%	3.10%
Sub-Total: Retail Transmission			23.89			23.89	0.00	0.00%	7.01%	7.17%
Sub-Total: Delivery (excluding pass through)			117.89			119.88	1.99	1.69%	35.19%	35.98%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.78%	2.84%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.76%	0.78%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.08%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.61%	3.69%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.11%	4.20%
Total Bill on Two-Tier RPP (before Taxes)			333.01			335.00	1.99	0.60%	98.33%	
HST		0.13	43.29		0.13	43.55	0.26	0.60%	12.78%	
Total Bill (including HST)			376.30			378.55	2.25	0.60%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.63		-0.10	-37.86	-0.22	0.60%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			338.67			340.70	2.02	0.60%	100.00%	
Total Bill on TOU (before Taxes)			325.57			327.56	1.99	0.61%		98.33%
HST		0.13	42.32		0.13	42.58	0.26	0.61%		12.78%
Total Bill (including HST)			367.90			370.15	2.25	0.61%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.79		-0.10	-37.01	-0.22	0.61%		-11.11%
Total Bill on TOU (including HST and OCEB)			331.11			333.13	2.02	0.61%		100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	11.18%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	11.18%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		6.09%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		2.66%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		3.17%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	12.03%	11.91%
Service Charge	1	45.95	45.95	1	48.49	48.49	2.54	5.53%	69.50%	68.84%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.05	-1.05	1	1.93	1.93	2.98	-283.81%	2.77%	2.74%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.69%	0.68%
Distribution Volumetric Rate	100	0.051	5.10	100	0.0537	5.37	0.27	5.29%	7.70%	7.62%
Volumetric Smoothing Rider	100	-0.0007	-0.07	100	0.0013	0.13	0.20	-285.71%	0.19%	0.18%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			50.43			56.42	5.99	11.88%	80.87%	80.10%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.13%	1.12%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.08	0.82	11	0.08	0.82	0.00	0.00%	1.17%	1.16%
Line Losses on Cost of Power (based on TOU prices)	11	0.08	0.88	11	0.08	0.88	0.00	0.00%	1.26%	1.25%
Sub-Total: Distribution (based on two-tier RPP prices)			52.04			58.03	5.99	11.51%	83.17%	82.39%
Sub-Total: Distribution (based on TOU prices)			52.10			58.09	5.99	11.50%	83.26%	82.48%
Retail Transmission Rate – Network Service Rate	111	0.0062	0.69	111	0.0062	0.69	0.00	0.00%	0.98%	0.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	111	0.0047	0.52	111	0.0047	0.52	0.00	0.00%	0.74%	0.74%
Sub-Total: Retail Transmission			1.20			1.20	0.00	0.00%	1.73%	1.71%
Sub-Total: Delivery (excluding pass through)			51.63			57.62	5.99	11.60%	82.59%	81.81%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.70%	0.69%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	0.00	0.00%	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%	0.36%	0.35%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.25%	1.23%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.00%	0.99%
Total Bill on Two-Tier RPP (before Taxes)			62.61			68.60	5.99	9.57%	98.33%	
HST		0.13	8.14		0.13	8.92	0.78	9.57%	12.78%	
Total Bill (including HST)			70.75			77.52	6.77	9.57%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.08		-0.10	-7.75	-0.68	9.57%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			63.68			69.77	6.09	9.57%	100.00%	
Total Bill on TOU (before Taxes)			63.27			69.26	5.99	9.47%		98.33%
HST		0.13	8.22		0.13	9.00	0.78	9.47%		12.78%
Total Bill (including HST)			71.49			78.26	6.77	9.47%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.15		-0.10	-7.83	-0.68	9.47%		-11.11%
Total Bill on TOU (including HST and OCEB)			64.34			70.43	6.09	9.47%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	24.36%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	9.47%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	33.83%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		17.71%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		7.73%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		9.22%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	34.94%	34.66%
Service Charge	1	45.95	45.95	1	48.49	48.49	2.54	5.53%	25.24%	25.03%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.05	-1.05	1	1.93	1.93	2.98	-283.81%	1.00%	1.00%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.25%	0.25%
Distribution Volumetric Rate	800	0.051	40.80	800	0.0537	42.96	2.16	5.29%	22.36%	22.18%
Volumetric Smoothing Rider	800	-0.0007	-0.56	800	0.0013	1.04	1.60	-285.71%	0.54%	0.54%
Volumetric Deferral/Variance Account Rider	800	0.0002	0.16	800	0.0002	0.16	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			85.78			95.06	9.28	10.82%	49.47%	49.07%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.41%	0.41%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.09	7.64	84	0.09	7.64	0.00	0.00%	3.98%	3.95%
Line Losses on Cost of Power (based on TOU prices)	84	0.08	7.05	84	0.08	7.05	0.00	0.00%	3.67%	3.64%
Sub-Total: Distribution (based on two-tier RPP prices)			94.21			103.49	9.28	9.85%	53.86%	53.43%
Sub-Total: Distribution (based on TOU prices)			93.62			102.90	9.28	9.91%	53.55%	53.12%
Retail Transmission Rate – Network Service Rate	884	0.0062	5.48	884	0.0062	5.48	0.00	0.00%	2.85%	2.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	884	0.0047	4.15	884	0.0047	4.15	0.00	0.00%	2.16%	2.14%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	5.01%	4.97%
Sub-Total: Delivery (excluding pass through)			95.42			104.70	9.28	9.73%	54.49%	54.05%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.02%	2.01%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	0.00	0.00%	0.55%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.71%	2.68%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.91%	2.89%
Total Bill on Two-Tier RPP (before Taxes)			179.65			188.93	9.28	5.17%	98.33%	
HST		0.13	23.35		0.13	24.56	1.21	5.17%	12.78%	
Total Bill (including HST)			203.00			213.49	10.49	5.17%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.30		-0.10	-21.35	-1.05	5.17%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			182.70			192.14	9.44	5.17%	100.00%	
Total Bill on TOU (before Taxes)			181.19			190.47	9.28	5.12%		98.33%
HST		0.13	23.55		0.13	24.76	1.21	5.12%		12.78%
Total Bill (including HST)			204.75			215.23	10.49	5.12%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.47		-0.10	-21.52	-1.05	5.12%		-11.11%
Total Bill on TOU (including HST and OCEB)			184.27			193.71	9.44	5.12%		100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	11.33%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	30.85%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	42.18%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		21.17%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.24%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		11.02%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	40.64%	41.44%
Service Charge	1	45.95	45.95	1	48.49	48.49	2.54	5.53%	11.74%	11.97%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.05	-1.05	1	1.93	1.93	2.98	-283.81%	0.47%	0.48%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.12%	0.12%
Distribution Volumetric Rate	2,000	0.051	102.00	2,000	0.0537	107.40	5.40	5.29%	26.00%	26.52%
Volumetric Smoothing Rider	2,000	-0.0007	-1.40	2,000	0.0013	2.60	4.00	-285.71%	0.63%	0.64%
Volumetric Deferral/Variance Account Rider	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.10%	0.10%
Sub-Total: Distribution (excluding pass through)			146.38			161.30	14.92	10.19%	39.05%	39.82%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.19%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.09	19.11	210	0.09	19.11	0.00	0.00%	4.63%	4.72%
Line Losses on Cost of Power (based on TOU prices)	210	0.08	17.62	210	0.08	17.62	0.00	0.00%	4.27%	4.35%
Sub-Total: Distribution (based on two-tier RPP prices)			166.28			181.20	14.92	8.97%	43.87%	44.74%
Sub-Total: Distribution (based on TOU prices)			164.79			179.71	14.92	9.05%	43.51%	44.37%
Retail Transmission Rate – Network Service Rate	2,210	0.0062	13.70	2,210	0.0062	13.70	0.00	0.00%	3.32%	3.38%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,210	0.0047	10.39	2,210	0.0047	10.39	0.00	0.00%	2.51%	2.56%
Sub-Total: Retail Transmission			24.09			24.09	0.00	0.00%	5.83%	5.95%
Sub-Total: Delivery (excluding pass through)			170.47			185.39	14.92	8.75%	44.89%	45.77%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.35%	2.40%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	0.00	0.00%	0.64%	0.65%
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			12.63			12.63	0.00	0.00%	3.06%	3.12%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.39%	3.46%
Total Bill on Two-Tier RPP (before Taxes)			391.20			406.12	14.92	3.81%	98.33%	
HST		0.13	50.86		0.13	52.79	1.94	3.81%	12.78%	
Total Bill (including HST)			442.05			458.91	16.86	3.81%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.21		-0.10	-45.89	-1.69	3.81%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			397.85			413.02	15.17	3.81%	100.00%	
Total Bill on TOU (before Taxes)			383.35			398.27	14.92	3.89%		98.33%
HST		0.13	49.84		0.13	51.77	1.94	3.89%		12.78%
Total Bill (including HST)			433.18			450.04	16.86	3.89%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-43.32		-0.10	-45.00	-1.69	3.89%		-11.11%
Total Bill on TOU (including HST and OCEB)			389.87			405.04	15.17	3.89%		100.00%

2018 Bill Impacts (Low Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	8.74%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	8.74%	
TOU-Off Peak	32	0.067	2.14	32	0.067	2.14	0.00	0.00%		4.77%
TOU-Mid Peak	9	0.104	0.94	9	0.104	0.94	0.00	0.00%		2.08%
TOU-On Peak	9	0.124	1.12	9	0.124	1.12	0.00	0.00%		2.48%
Sub-Total: Energy (TOU)			4.20			4.20	0.00	0.00%	9.40%	9.33%
Service Charge	1	29.72	29.72	1	30.57	30.57	0.85	2.86%	68.49%	67.98%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.41	-0.41	1	0.75	0.75	1.16	-282.93%	1.68%	1.67%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.56%	0.56%
Distribution Volumetric Rate	50	0.1071	5.36	50	0.1125	5.63	0.27	5.04%	12.60%	12.51%
Volumetric Smoothing Rider	50	-0.0015	-0.08	50	0.0027	0.14	0.21	-280.00%	0.30%	0.30%
Volumetric Deferral/Variance Account Rider	50	0.0005	0.03	50	0.0006	0.03	0.01	20.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			34.87			37.36	2.50	7.16%	83.70%	83.08%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.77%	1.76%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.08	0.41	5	0.08	0.41	0.00	0.00%	0.91%	0.90%
Line Losses on Cost of Power (based on TOU prices)	5	0.08	0.44	5	0.08	0.44	0.00	0.00%	0.98%	0.97%
Sub-Total: Distribution (based on two-tier RPP prices)			36.06			38.56	2.50	6.92%	86.38%	85.74%
Sub-Total: Distribution (based on TOU prices)			36.09			38.59	2.50	6.91%	86.45%	85.81%
Retail Transmission Rate – Network Service Rate	55	0.005	0.28	55	0.005	0.28	0.00	0.00%	0.62%	0.61%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0045	0.25	55	0.0045	0.25	0.00	0.00%	0.56%	0.55%
Sub-Total: Retail Transmission			0.52			0.52	0.00	0.00%	1.17%	1.17%
Sub-Total: Delivery (excluding pass through)			35.39			37.88	2.50	7.05%	84.88%	84.25%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.54%	0.54%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.15%	0.15%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.56%	0.56%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.25%	1.24%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.78%	0.78%
Total Bill on Two-Tier RPP (before Taxes)			41.39			43.89	2.50	6.03%	98.33%	
HST		0.13	5.38		0.13	5.71	0.32	6.03%	12.78%	
Total Bill (including HST)			46.78			49.59	2.82	6.03%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.68		-0.10	-4.96	-0.28	6.03%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			42.10			44.64	2.54	6.03%	100.00%	
Total Bill on TOU (before Taxes)			41.72			44.22	2.50	5.98%		98.33%
HST		0.13	5.42		0.13	5.75	0.32	5.98%		12.78%
Total Bill (including HST)			47.14			49.96	2.82	5.98%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.71		-0.10	-5.00	-0.28	5.98%		-11.11%
Total Bill on TOU (including HST and OCEB)			42.43			44.97	2.54	5.98%		100.00%

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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	0.078	31.20	400	0.078	31.20	0.00	0.00%	24.97%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			31.20			31.20	0.00	0.00%	24.97%	
TOU-Off Peak	256	0.067	17.15	256	0.067	17.15	0.00	0.00%		13.44%
TOU-Mid Peak	72	0.104	7.49	72	0.104	7.49	0.00	0.00%		5.87%
TOU-On Peak	72	0.124	8.93	72	0.124	8.93	0.00	0.00%		7.00%
Sub-Total: Energy (TOU)			33.57			33.57	0.00	0.00%	26.87%	26.31%
Service Charge	1	29.72	29.72	1	30.57	30.57	0.85	2.86%	24.47%	23.96%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.41	-0.41	1	0.75	0.75	1.16	-282.93%	0.60%	0.59%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.20%
Distribution Volumetric Rate	400	0.1071	42.84	400	0.1125	45.00	2.16	5.04%	36.02%	35.27%
Volumetric Smoothing Rider	400	-0.0015	-0.60	400	0.0027	1.08	1.68	-280.00%	0.86%	0.85%
Volumetric Deferral/Variance Account Rider	400	0.0005	0.20	400	0.0006	0.24	0.04	20.00%	0.19%	0.19%
Sub-Total: Distribution (excluding pass through)			72.00			77.89	5.89	8.18%	62.35%	61.05%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.63%	0.62%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.08	3.24	42	0.08	3.24	0.00	0.00%	2.60%	2.54%
Line Losses on Cost of Power (based on TOU prices)	42	0.08	3.49	42	0.08	3.49	0.00	0.00%	2.79%	2.74%
Sub-Total: Distribution (based on two-tier RPP prices)			76.03			81.92	5.89	7.75%	65.58%	64.21%
Sub-Total: Distribution (based on TOU prices)			76.28			82.17	5.89	7.72%	65.77%	64.40%
Retail Transmission Rate – Network Service Rate	442	0.005	2.21	442	0.005	2.21	0.00	0.00%	1.77%	1.73%
Retail Transmission Rate – Line and Transformation Connection Service Rate	442	0.0045	1.99	442	0.0045	1.99	0.00	0.00%	1.59%	1.56%
Sub-Total: Retail Transmission			4.20			4.20	0.00	0.00%	3.36%	3.29%
Sub-Total: Delivery (excluding pass through)			76.20			82.09	5.89	7.73%	65.70%	64.34%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.56%	1.52%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.42%	0.42%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	0.20%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.18%	2.13%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.24%	2.19%
Total Bill on Two-Tier RPP (before Taxes)			116.95			122.84	5.89	5.04%	98.33%	
HST		0.13	15.20		0.13	15.97	0.77	5.04%	12.78%	
Total Bill (including HST)			132.16			138.81	6.66	5.04%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.22		-0.10	-13.88	-0.67	5.04%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			118.94			124.93	5.99	5.04%	100.00%	
Total Bill on TOU (before Taxes)			119.57			125.46	5.89	4.93%		98.33%
HST		0.13	15.54		0.13	16.31	0.77	4.93%		12.78%
Total Bill (including HST)			135.11			141.77	6.66	4.93%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.51		-0.10	-14.18	-0.67	4.93%		-11.11%
Total Bill on TOU (including HST and OCEB)			121.60			127.59	5.99	4.93%		100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	17.38%	
Energy Second Tier (kWh)	400	0.091	36.40	400	0.091	36.40	0.00	0.00%	13.52%	
Sub-Total: Energy (RPP)			83.20			83.20	0.00	0.00%	30.90%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		15.93%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		6.95%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		8.29%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	31.17%	31.17%
Service Charge	1	29.72	29.72	1	30.57	30.57	0.85	2.86%	11.35%	11.35%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.41	-0.41	1	0.75	0.75	1.16	-282.93%	0.28%	0.28%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
Distribution Volumetric Rate	1,000	0.1071	107.10	1,000	0.1125	112.50	5.40	5.04%	41.78%	41.79%
Volumetric Smoothing Rider	1,000	-0.0015	-1.50	1,000	0.0027	2.70	4.20	-280.00%	1.00%	1.00%
Volumetric Deferral/Variance Account Rider	1,000	0.0005	0.50	1,000	0.0006	0.60	0.10	20.00%	0.22%	0.22%
Sub-Total: Distribution (excluding pass through)			135.66			147.37	11.71	8.63%	54.73%	54.74%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.29%	0.29%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.09	9.46	104	0.09	9.46	0.00	0.00%	3.52%	3.52%
Line Losses on Cost of Power (based on TOU prices)	104	0.08	8.73	104	0.08	8.73	0.00	0.00%	3.24%	3.24%
Sub-Total: Distribution (based on two-tier RPP prices)			145.91			157.62	11.71	8.03%	58.54%	58.55%
Sub-Total: Distribution (based on TOU prices)			145.18			156.89	11.71	8.07%	58.27%	58.27%
Retail Transmission Rate – Network Service Rate	1,104	0.005	5.52	1,104	0.005	5.52	0.00	0.00%	2.05%	2.05%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0045	4.97	1,104	0.0045	4.97	0.00	0.00%	1.85%	1.85%
Sub-Total: Retail Transmission			10.49			10.49	0.00	0.00%	3.90%	3.90%
Sub-Total: Delivery (excluding pass through)			146.15			157.86	11.71	8.01%	58.63%	58.63%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.80%	1.80%
Rural Rate Protection Charge	1,104	0.0012	1.32	1,104	0.0012	1.32	0.00	0.00%	0.49%	0.49%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
Sub-Total: Regulatory			6.43			6.43	0.00	0.00%	2.39%	2.39%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.60%	2.60%
Total Bill on Two-Tier RPP (before Taxes)			253.03			264.74	11.71	4.63%	98.33%	
HST		0.13	32.89		0.13	34.42	1.52	4.63%	12.78%	
Total Bill (including HST)			285.93			299.16	13.23	4.63%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-28.59		-0.10	-29.92	-1.32	4.63%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			257.34			269.25	11.91	4.63%	100.00%	
Total Bill on TOU (before Taxes)			253.02			264.73	11.71	4.63%		98.33%
HST		0.13	32.89		0.13	34.41	1.52	4.63%		12.78%
Total Bill (including HST)			285.91			299.14	13.23	4.63%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-28.59		-0.10	-29.91	-1.32	4.63%		-11.11%
Total Bill on TOU (including HST and OCEB)			257.32			269.23	11.91	4.63%		100.00%

2018 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	27.07%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	10.53%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	37.60%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		19.66%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		8.58%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		10.23%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	38.84%	38.48%
Service Charge	1	31.42	31.42	1	31.87	31.87	0.45	1.43%	14.75%	14.61%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.43	-0.43	1	0.78	0.78	1.21	-281.40%	0.36%	0.36%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.11%
Distribution Volumetric Rate	1,000	0.061	61.00	1,000	0.0632	63.20	2.20	3.61%	29.25%	28.98%
Volumetric Smoothing Rider	1,000	-0.0008	-0.80	1,000	0.0015	1.50	2.30	-287.50%	0.69%	0.69%
Volumetric Deferral/Variance Account Rider	1,000	0.0003	0.30	1,000	0.0003	0.30	0.00	0.00%	0.14%	0.14%
Sub-Total: Distribution (excluding pass through)			91.74			97.90	6.16	6.71%	45.31%	44.89%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.37%	0.36%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.09	8.74	96	0.09	8.74	0.00	0.00%	4.04%	4.01%
Line Losses on Cost of Power (based on TOU prices)	96	0.08	8.06	96	0.08	8.06	0.00	0.00%	3.73%	3.69%
Sub-Total: Distribution (based on two-tier RPP prices)			101.27			107.43	6.16	6.08%	49.71%	49.25%
Sub-Total: Distribution (based on TOU prices)			100.59			106.75	6.16	6.12%	49.40%	48.94%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	2.94%	2.91%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0037	4.06	1,096	0.0037	4.06	0.00	0.00%	1.88%	1.86%
Sub-Total: Retail Transmission			10.41			10.41	0.00	0.00%	4.82%	4.77%
Sub-Total: Delivery (excluding pass through)			102.15			108.31	6.16	6.03%	50.12%	49.66%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.23%	2.21%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	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%	0.12%	0.11%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	2.96%	2.93%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.24%	3.21%
Total Bill on Two-Tier RPP (before Taxes)			206.32			212.48	6.16	2.99%	98.33%	
HST		0.13	26.82		0.13	27.62	0.80	2.99%	12.78%	
Total Bill (including HST)			233.14			240.10	6.96	2.99%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.31		-0.10	-24.01	-0.70	2.99%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			209.82			216.09	6.26	2.99%	100.00%	
Total Bill on TOU (before Taxes)			208.31			214.47	6.16	2.96%		98.33%
HST		0.13	27.08		0.13	27.88	0.80	2.96%		12.78%
Total Bill (including HST)			235.39			242.35	6.96	2.96%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.54		-0.10	-24.23	-0.70	2.96%		-11.11%
Total Bill on TOU (including HST and OCEB)			211.85			218.11	6.26	2.96%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	14.35%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	27.91%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	42.26%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		21.35%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.32%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		11.11%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	41.18%	41.78%
Service Charge	1	31.42	31.42	1	31.87	31.87	0.45	1.43%	7.82%	7.93%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.43	-0.43	1	0.78	0.78	1.21	-281.40%	0.19%	0.19%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Distribution Volumetric Rate	2,000	0.061	122.00	2,000	0.0632	126.40	4.40	3.61%	31.01%	31.47%
Volumetric Smoothing Rider	2,000	-0.0008	-1.60	2,000	0.0015	3.00	4.60	-287.50%	0.74%	0.75%
Volumetric Deferral/Variance Account Rider	2,000	0.0003	0.60	2,000	0.0003	0.60	0.00	0.00%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			152.24			162.90	10.66	7.00%	39.97%	40.55%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.19%	0.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.09	17.47	192	0.09	17.47	0.00	0.00%	4.29%	4.35%
Line Losses on Cost of Power (based on TOU prices)	192	0.08	16.11	192	0.08	16.11	0.00	0.00%	3.95%	4.01%
Sub-Total: Distribution (based on two-tier RPP prices)			170.50			181.16	10.66	6.25%	44.45%	45.10%
Sub-Total: Distribution (based on TOU prices)			169.14			179.80	10.66	6.30%	44.12%	44.76%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	3.12%	3.16%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0037	8.11	2,192	0.0037	8.11	0.00	0.00%	1.99%	2.02%
Sub-Total: Retail Transmission			20.82			20.82	0.00	0.00%	5.11%	5.18%
Sub-Total: Delivery (excluding pass through)			173.06			183.72	10.66	6.16%	45.08%	45.74%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.37%	2.40%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.65%	0.65%
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			12.53			12.53	0.00	0.00%	3.07%	3.12%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.43%	3.49%
Total Bill on Two-Tier RPP (before Taxes)			390.10			400.76	10.66	2.73%	98.33%	
HST		0.13	50.71		0.13	52.10	1.39	2.73%	12.78%	
Total Bill (including HST)			440.81			452.86	12.05	2.73%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.08		-0.10	-45.29	-1.20	2.73%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			396.73			407.57	10.84	2.73%	100.00%	
Total Bill on TOU (before Taxes)			384.33			394.99	10.66	2.77%		98.33%
HST		0.13	49.96		0.13	51.35	1.39	2.77%		12.78%
Total Bill (including HST)			434.29			446.34	12.05	2.77%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-43.43		-0.10	-44.63	-1.20	2.77%		-11.11%
Total Bill on TOU (including HST and OCEB)			390.87			401.71	10.84	2.77%		100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	1.86%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	41.14%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	42.99%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		21.21%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		9.26%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		11.04%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	39.93%	41.50%
Service Charge	1	31.42	31.42	1	31.87	31.87	0.45	1.43%	1.01%	1.05%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.43	-0.43	1	0.78	0.78	1.21	-281.40%	0.02%	0.03%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.061	915.00	15,000	0.0632	948.00	33.00	3.61%	30.07%	31.25%
Volumetric Smoothing Rider	15,000	-0.0008	-12.00	15,000	0.0015	22.50	34.50	-287.50%	0.71%	0.74%
Volumetric Deferral/Variance Account Rider	15,000	0.0003	4.50	15,000	0.0003	4.50	0.00	0.00%	0.14%	0.15%
Sub-Total: Distribution (excluding pass through)			938.74			1,007.90	69.16	7.37%	31.97%	33.23%
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)	1,440	0.09	131.04	1,440	0.09	131.04	0.00	0.00%	4.16%	4.32%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.08	120.84	1,440	0.08	120.84	0.00	0.00%	3.83%	3.98%
Sub-Total: Distribution (based on two-tier RPP prices)			1,070.57			1,139.73	69.16	6.46%	36.16%	37.57%
Sub-Total: Distribution (based on TOU prices)			1,060.37			1,129.53	69.16	6.52%	35.83%	37.24%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	3.02%	3.14%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0037	60.83	16,440	0.0037	60.83	0.00	0.00%	1.93%	2.01%
Sub-Total: Retail Transmission			156.18			156.18	0.00	0.00%	4.95%	5.15%
Sub-Total: Delivery (excluding pass through)			1,094.92			1,164.08	69.16	6.32%	36.93%	38.38%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.29%	2.38%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.63%	0.65%
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			92.31			92.31	0.00	0.00%	2.93%	3.04%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.33%	3.46%
Total Bill on Two-Tier RPP (before Taxes)			2,779.31			2,848.47	69.16	2.49%	90.36%	
HST		0.13	361.31		0.13	370.30	8.99	2.49%	11.75%	
Total Bill (including HST)			3,140.62			3,218.78	78.15	2.49%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-64.85		-0.10	-66.56	-1.71	2.64%	-2.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			3,075.78			3,152.21	76.44	2.49%	100.00%	
Total Bill on TOU (before Taxes)			2,672.67			2,741.83	69.16	2.59%		90.39%
HST		0.13	347.45		0.13	356.44	8.99	2.59%		11.75%
Total Bill (including HST)			3,020.12			3,098.27	78.15	2.59%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-63.32		-0.10	-65.03	-1.71	2.71%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,956.80			3,033.23	76.44	2.59%		100.00%

2018 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	33.70%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	13.11%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	46.81%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		24.39%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		10.65%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		12.70%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	48.35%	47.74%
Service Charge	1	25.32	25.32	1	26.66	26.66	1.34	5.29%	15.36%	15.16%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.35	-0.35	1	0.65	0.65	1.00	-285.71%	0.37%	0.37%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.22	0.22	0.01	4.76%	0.13%	0.13%
Distribution Volumetric Rate	1,000	0.0282	28.20	1,000	0.0302	30.20	2.00	7.09%	17.40%	17.18%
Volumetric Smoothing Rider	1,000	-0.0004	-0.40	1,000	0.0007	0.70	1.10	-275.00%	0.40%	0.40%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			53.08			58.53	5.45	10.27%	33.72%	33.29%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.46%	0.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.09	6.10	67	0.09	6.10	0.00	0.00%	3.51%	3.47%
Line Losses on Cost of Power (based on TOU prices)	67	0.08	5.62	67	0.08	5.62	0.00	0.00%	3.24%	3.20%
Sub-Total: Distribution (based on two-tier RPP prices)			59.97			65.42	5.45	9.09%	37.69%	37.21%
Sub-Total: Distribution (based on TOU prices)			59.49			64.94	5.45	9.16%	37.42%	36.94%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.81%	3.76%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0039	4.16	1,067	0.0039	4.16	0.00	0.00%	2.40%	2.37%
Sub-Total: Retail Transmission			10.78			10.78	0.00	0.00%	6.21%	6.13%
Sub-Total: Delivery (excluding pass through)			63.86			69.31	5.45	8.53%	39.93%	39.42%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.70%	2.67%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	0.00	0.00%	0.74%	0.73%
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			6.23			6.23	0.00	0.00%	3.59%	3.54%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	4.03%	3.98%
Total Bill on Two-Tier RPP (before Taxes)			165.22			170.67	5.45	3.30%	98.33%	
HST		0.13	21.48		0.13	22.19	0.71	3.30%	12.78%	
Total Bill (including HST)			186.70			192.86	6.16	3.30%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.67		-0.10	-19.29	-0.62	3.30%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			168.03			173.57	5.54	3.30%	100.00%	
Total Bill on TOU (before Taxes)			167.41			172.86	5.45	3.26%		98.33%
HST		0.13	21.76		0.13	22.47	0.71	3.26%		12.78%
Total Bill (including HST)			189.18			195.34	6.16	3.26%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.92		-0.10	-19.53	-0.62	3.26%		-11.11%
Total Bill on TOU (including HST and OCEB)			170.26			175.80	5.54	3.26%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	17.84%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	34.68%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	52.52%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		26.59%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.61%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.84%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	51.17%	52.04%
Service Charge	1	25.32	25.32	1	26.66	26.66	1.34	5.29%	8.13%	8.27%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.35	-0.35	1	0.65	0.65	1.00	-285.71%	0.20%	0.20%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.22	0.22	0.01	4.76%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0282	56.40	2,000	0.0302	60.40	4.00	7.09%	18.41%	18.73%
Volumetric Smoothing Rider	2,000	-0.0004	-0.80	2,000	0.0007	1.40	2.20	-275.00%	0.43%	0.43%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			80.98			89.53	8.55	10.56%	27.30%	27.76%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.24%	0.24%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.09	12.19	134	0.09	12.19	0.00	0.00%	3.72%	3.78%
Line Losses on Cost of Power (based on TOU prices)	134	0.08	11.25	134	0.08	11.25	0.00	0.00%	3.43%	3.49%
Sub-Total: Distribution (based on two-tier RPP prices)			93.96			102.51	8.55	9.10%	31.25%	31.78%
Sub-Total: Distribution (based on TOU prices)			93.02			101.57	8.55	9.19%	30.96%	31.49%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	4.03%	4.10%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0039	8.32	2,134	0.0039	8.32	0.00	0.00%	2.54%	2.58%
Sub-Total: Retail Transmission			21.55			21.55	0.00	0.00%	6.57%	6.68%
Sub-Total: Delivery (excluding pass through)			102.53			111.08	8.55	8.34%	33.87%	34.44%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.86%	2.91%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	0.00	0.00%	0.78%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Sub-Total: Regulatory			12.20			12.20	0.00	0.00%	3.72%	3.78%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.27%	4.34%
Total Bill on Two-Tier RPP (before Taxes)			313.97			322.52	8.55	2.72%	98.33%	
HST		0.13	40.82		0.13	41.93	1.11	2.72%	12.78%	
Total Bill (including HST)			354.78			364.45	9.66	2.72%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.48		-0.10	-36.44	-0.97	2.72%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			319.31			328.00	8.70	2.72%	100.00%	
Total Bill on TOU (before Taxes)			308.61			317.16	8.55	2.77%		98.33%
HST		0.13	40.12		0.13	41.23	1.11	2.77%		12.78%
Total Bill (including HST)			348.73			358.39	9.66	2.77%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.87		-0.10	-35.84	-0.97	2.77%		-11.11%
Total Bill on TOU (including HST and OCEB)			313.86			322.55	8.70	2.77%		100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	2.30%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	51.02%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	53.32%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		26.51%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		11.57%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		13.80%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	49.53%	51.89%
Service Charge	1	25.32	25.32	1	26.66	26.66	1.34	5.29%	1.05%	1.10%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.35	-0.35	1	0.65	0.65	1.00	-285.71%	0.03%	0.03%
Fixed Deferral/Variance Account Rider	1	0.21	0.21	1	0.22	0.22	0.01	4.76%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0282	423.00	15,000	0.0302	453.00	30.00	7.09%	17.82%	18.67%
Volumetric Smoothing Rider	15,000	-0.0004	-6.00	15,000	0.0007	10.50	16.50	-275.00%	0.41%	0.43%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			443.68			492.53	48.85	11.01%	19.38%	20.30%
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	0.09	91.46	1,005	0.09	91.46	0.00	0.00%	3.60%	3.77%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.08	84.34	1,005	0.08	84.34	0.00	0.00%	3.32%	3.48%
Sub-Total: Distribution (based on two-tier RPP prices)			535.93			584.78	48.85	9.12%	23.01%	24.11%
Sub-Total: Distribution (based on TOU prices)			528.81			577.66	48.85	9.24%	22.73%	23.81%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.90%	4.09%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0039	62.42	16,005	0.0039	62.42	0.00	0.00%	2.46%	2.57%
Sub-Total: Retail Transmission			161.65			161.65	0.00	0.00%	6.36%	6.66%
Sub-Total: Delivery (excluding pass through)			605.33			654.18	48.85	8.07%	25.74%	26.97%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.77%	2.90%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.76%	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			89.88			89.88	0.00	0.00%	3.54%	3.70%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.13%	4.33%
Total Bill on Two-Tier RPP (before Taxes)			2,247.70			2,296.55	48.85	2.17%	90.36%	
HST		0.13	292.20		0.13	298.55	6.35	2.17%	11.75%	
Total Bill (including HST)			2,539.90			2,595.11	55.20	2.17%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-52.29		-0.10	-53.60	-1.32	2.52%	-2.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,487.62			2,541.50	53.88	2.17%	100.00%	
Total Bill on TOU (before Taxes)			2,144.14			2,192.99	48.85	2.28%		90.40%
HST		0.13	278.74		0.13	285.09	6.35	2.28%		11.75%
Total Bill (including HST)			2,422.88			2,478.08	55.20	2.28%		102.15%
Ontario Clean Energy Benefit (OCEB)		-0.10	-50.83		-0.10	-52.14	-1.32	2.59%		-2.15%
Total Bill on TOU (including HST and OCEB)			2,372.05			2,425.93	53.88	2.27%		100.00%

2018 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	28.18%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	28.18%
Service Charge	1	4.63	4.63	1	4.83	4.83	0.20	4.32%	17.45%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.06	-0.06	1	0.12	0.12	0.18	-300.00%	0.43%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.11%
Distribution Volumetric Rate	100	0.1052	10.52	100	0.1104	11.04	0.52	4.94%	39.89%
Volumetric Smoothing Rider	100	-0.0014	-0.14	100	0.0027	0.27	0.41	-292.86%	0.98%
Volumetric Deferral/Variance Account Rider	100	0.0005	0.05	100	0.0005	0.05	0.00	0.00%	0.18%
Sub-Total: Distribution (excluding pass through)			15.03			16.34	1.31	8.72%	59.03%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	2.59%
Sub-Total: Distribution			15.75			17.06	1.31	8.32%	61.63%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0034	0.37	109	0.0034	0.37	0.00	0.00%	1.34%
Sub-Total: Retail Transmission			0.80			0.80	0.00	0.00%	2.88%
Sub-Total: Delivery (excluding pass through)			15.83			17.14	1.31	8.28%	61.91%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.74%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.90%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.11%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.53%
Total Bill on Two-Tier RPP (before Taxes)			25.91			27.22	1.31	5.06%	98.33%
HST		0.13	3.37		0.13	3.54	0.17	5.06%	12.78%
Total Bill (including HST)			29.27			30.75	1.48	5.06%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.93		-0.10	-3.08	-0.15	5.06%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			26.35			27.68	1.33	5.06%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	33.30%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	33.30%
Service Charge	1	4.63	4.63	1	4.83	4.83	0.20	4.32%	4.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.06	-0.06	1	0.12	0.12	0.18	-300.00%	0.10%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.03%
Distribution Volumetric Rate	500	0.1052	52.60	500	0.1104	55.20	2.60	4.94%	47.13%
Volumetric Smoothing Rider	500	-0.0014	-0.70	500	0.0027	1.35	2.05	-292.86%	1.15%
Volumetric Deferral/Variance Account Rider	500	0.0005	0.25	500	0.0005	0.25	0.00	0.00%	0.21%
Sub-Total: Distribution (excluding pass through)			56.75			61.78	5.03	8.86%	52.75%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.06%
Sub-Total: Distribution			60.34			65.37	5.03	8.34%	55.81%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0034	1.86	546	0.0034	1.86	0.00	0.00%	1.59%
Sub-Total: Retail Transmission			3.99			3.99	0.00	0.00%	3.40%
Sub-Total: Delivery (excluding pass through)			60.74			65.77	5.03	8.28%	56.15%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.05%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.21%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	2.82%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.99%
Total Bill on Two-Tier RPP (before Taxes)			110.13			115.16	5.03	4.57%	98.33%
HST		0.13	14.32		0.13	14.97	0.65	4.57%	12.78%
Total Bill (including HST)			124.45			130.13	5.68	4.57%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.44		-0.10	-13.01	-0.57	4.57%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			112.00			117.12	5.12	4.57%	100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	12.41%
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	24.13%
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	36.53%
Service Charge	1	4.63	4.63	1	4.83	4.83	0.20	4.32%	1.02%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.06	-0.06	1	0.12	0.12	0.18	-300.00%	0.03%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.1052	210.40	2,000	0.1104	220.80	10.40	4.94%	46.83%
Volumetric Smoothing Rider	2,000	-0.0014	-2.80	2,000	0.0027	5.40	8.20	-292.86%	1.15%
Volumetric Deferral/Variance Account Rider	2,000	0.0005	1.00	2,000	0.0005	1.00	0.00	0.00%	0.21%
Sub-Total: Distribution (excluding pass through)			213.20			232.18	18.98	8.90%	49.25%
Line Losses on Cost of Power	184	0.09	16.74	184	0.09	16.74	0.00	0.00%	3.55%
Sub-Total: Distribution			229.94			248.92	18.98	8.25%	52.80%
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 Service Rate	2,184	0.0034	7.43	2,184	0.0034	7.43	0.00	0.00%	1.57%
Sub-Total: Retail Transmission			15.94			15.94	0.00	0.00%	3.38%
Sub-Total: Delivery (excluding pass through)			229.14			248.12	18.98	8.28%	52.63%
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	0.0012	2.62	2,184	0.0012	2.62	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%	0.05%
Sub-Total: Regulatory			12.48			12.48	0.00	0.00%	2.65%
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)			444.62			463.60	18.98	4.27%	98.33%
HST		0.13	57.80		0.13	60.27	2.47	4.27%	12.78%
Total Bill (including HST)			502.42			523.87	21.45	4.27%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-50.24		-0.10	-52.39	-2.14	4.27%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			452.18			471.48	19.30	4.27%	100.00%

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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	0.078	1.56	20	0.078	1.56	0.00	0.00%	16.19%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.56			1.56	0.00	0.00%	16.19%
Service Charge	1	3.19	3.19	1	3.53	3.53	0.34	10.66%	36.63%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.04	-0.04	1	0.09	0.09	0.13	-325.00%	0.93%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.21%
Distribution Volumetric Rate	20	0.1531	3.06	20	0.1681	3.36	0.30	9.80%	34.89%
Volumetric Smoothing Rider	20	-0.0021	-0.04	20	0.0041	0.08	0.12	-295.24%	0.85%
Volumetric Deferral/Variance Account Rider	20	0.0007	0.01	20	0.0008	0.02	0.00	14.29%	0.17%
Sub-Total: Distribution (excluding pass through)			6.20			7.10	0.90	14.44%	73.68%
Line Losses on Cost of Power	2	0.08	0.14	2	0.08	0.14	0.00	0.00%	1.49%
Sub-Total: Distribution			6.35			7.24	0.90	14.12%	75.17%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	0.88%
Retail Transmission Rate – Line and Transformation Connection Service Rate	22	0.0034	0.07	22	0.0034	0.07	0.00	0.00%	0.77%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.65%
Sub-Total: Delivery (excluding pass through)			6.36			7.26	0.90	14.08%	75.33%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.00%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	0.00	0.00%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.59%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	3.86%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.45%
Total Bill on Two-Tier RPP (before Taxes)			8.58			9.48	0.90	10.44%	98.33%
HST		0.13	1.12		0.13	1.23	0.12	10.44%	12.78%
Total Bill (including HST)			9.69			10.71	1.01	10.44%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.97		-0.10	-1.07	-0.10	10.44%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			8.73			9.64	0.91	10.44%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	21.48%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	21.48%
Service Charge	1	3.19	3.19	1	3.53	3.53	0.34	10.66%	19.44%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.04	-0.04	1	0.09	0.09	0.13	-325.00%	0.50%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.11%
Distribution Volumetric Rate	50	0.1531	7.66	50	0.1681	8.41	0.75	9.80%	46.29%
Volumetric Smoothing Rider	50	-0.0021	-0.11	50	0.0041	0.21	0.31	-295.24%	1.13%
Volumetric Deferral/Variance Account Rider	50	0.0007	0.04	50	0.0008	0.04	0.01	14.29%	0.22%
Sub-Total: Distribution (excluding pass through)			10.76			12.29	1.54	14.27%	67.69%
Line Losses on Cost of Power	5	0.08	0.36	5	0.08	0.36	0.00	0.00%	1.98%
Sub-Total: Distribution			11.11			12.65	1.54	13.81%	69.66%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0034	0.19	55	0.0034	0.19	0.00	0.00%	1.02%
Sub-Total: Retail Transmission			0.40			0.40	0.00	0.00%	2.20%
Sub-Total: Delivery (excluding pass through)			11.15			12.69	1.54	13.76%	69.88%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.32%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.38%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.06%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	1.93%
Total Bill on Two-Tier RPP (before Taxes)			16.32			17.85	1.53	9.41%	98.33%
HST		0.13	2.12		0.13	2.32	0.20	9.41%	12.78%
Total Bill (including HST)			18.44			20.17	1.73	9.41%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.84		-0.10	-2.02	-0.17	9.41%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			16.60			18.16	1.56	9.41%	100.00%

2018 Bill Impacts (High Consumption Level)

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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	0.078	15.60	200	0.078	15.60	0.00	0.00%	25.68%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15.60			15.60	0.00	0.00%	25.68%
Service Charge	1	3.19	3.19	1	3.53	3.53	0.34	10.66%	5.81%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.04	-0.04	1	0.09	0.09	0.13	-325.00%	0.15%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.03%
Distribution Volumetric Rate	200	0.1531	30.62	200	0.1681	33.62	3.00	9.80%	55.33%
Volumetric Smoothing Rider	200	-0.0021	-0.42	200	0.0041	0.82	1.24	-295.24%	1.35%
Volumetric Deferral/Variance Account Rider	200	0.0007	0.14	200	0.0008	0.16	0.02	14.29%	0.26%
Sub-Total: Distribution (excluding pass through)			33.51			38.24	4.73	14.12%	62.94%
Line Losses on Cost of Power	18	0.08	1.44	18	0.08	1.44	0.00	0.00%	2.36%
Sub-Total: Distribution			34.95			39.68	4.73	13.54%	65.30%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.40%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.0034	0.74	218	0.0034	0.74	0.00	0.00%	1.22%
Sub-Total: Retail Transmission			1.59			1.59	0.00	0.00%	2.62%
Sub-Total: Delivery (excluding pass through)			35.10			39.83	4.73	13.47%	65.56%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.58%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	0.00	0.00%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.41%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	2.42%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.30%
Total Bill on Two-Tier RPP (before Taxes)			55.01			59.74	4.73	8.60%	98.33%
HST		0.13	7.15		0.13	7.77	0.61	8.60%	12.78%
Total Bill (including HST)			62.16			67.51	5.34	8.60%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.22		-0.10	-6.75	-0.53	8.60%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			55.95			60.76	4.81	8.60%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	14.42%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	14.42%
Service Charge	1	39	39.00	1	38	38.00	-1.00	-2.56%	70.25%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.53	-0.53	1	0.93	0.93	1.46	-275.47%	1.72%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.43%
Distribution Volumetric Rate	100	0.0308	3.08	100	0.0301	3.01	-0.07	-2.27%	5.56%
Volumetric Smoothing Rider	100	-0.0004	-0.04	100	0.0007	0.07	0.11	-275.00%	0.13%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0001	0.01	-0.01	-50.00%	0.02%
Sub-Total: Distribution (excluding pass through)			41.77			42.25	0.48	1.15%	78.10%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	1.33%
Sub-Total: Distribution			42.49			42.97	0.48	1.13%	79.43%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0047	0.51	0.00	0.00%	0.95%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	0.65%
Sub-Total: Retail Transmission			0.86			0.86	0.00	0.00%	1.59%
Sub-Total: Delivery (excluding pass through)			42.63			43.11	0.48	1.13%	79.70%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.89%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.24%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.46%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.59%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.29%
Total Bill on Two-Tier RPP (before Taxes)			52.71			53.19	0.48	0.91%	98.33%
HST		0.13	6.85		0.13	6.91	0.06	0.91%	12.78%
Total Bill (including HST)			59.56			60.11	0.54	0.91%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.96		-0.10	-6.01	-0.05	0.91%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			53.61			54.10	0.49	0.91%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	35.40%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	35.40%
Service Charge	1	39	39.00	1	38	38.00	-1.00	-2.56%	34.50%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.53	-0.53	1	0.93	0.93	1.46	-275.47%	0.84%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.21%
Distribution Volumetric Rate	500	0.0308	15.40	500	0.0301	15.05	-0.35	-2.27%	13.66%
Volumetric Smoothing Rider	500	-0.0004	-0.20	500	0.0007	0.35	0.55	-275.00%	0.32%
Volumetric Deferral/Variance Account Rider	500	0.0002	0.10	500	0.0001	0.05	-0.05	-50.00%	0.05%
Sub-Total: Distribution (excluding pass through)			54.01			54.61	0.60	1.11%	49.57%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.26%
Sub-Total: Distribution			57.60			58.20	0.60	1.04%	52.83%
Retail Transmission Rate – Network Service Rate	546	0.0047	2.57	546	0.0047	2.57	0.00	0.00%	2.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.59%
Sub-Total: Retail Transmission			4.31			4.31	0.00	0.00%	3.92%
Sub-Total: Delivery (excluding pass through)			58.32			58.92	0.60	1.03%	53.49%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.18%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	0.00	0.00%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.23%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	3.00%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.18%
Total Bill on Two-Tier RPP (before Taxes)			107.72			108.32	0.60	0.56%	98.33%
HST		0.13	14.00		0.13	14.08	0.08	0.56%	12.78%
Total Bill (including HST)			121.72			122.40	0.68	0.56%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.17		-0.10	-12.24	-0.07	0.56%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			109.55			110.16	0.61	0.56%	100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	31.66%
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	12.31%
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	43.98%
Service Charge	1	39	39.00	1	38	38.00	-1.00	-2.56%	20.57%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.53	-0.53	1	0.93	0.93	1.46	-275.47%	0.50%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.12%
Distribution Volumetric Rate	1,000	0.0308	30.80	1,000	0.0301	30.10	-0.70	-2.27%	16.29%
Volumetric Smoothing Rider	1,000	-0.0004	-0.40	1,000	0.0007	0.70	1.10	-275.00%	0.38%
Volumetric Deferral/Variance Account Rider	1,000	0.0002	0.20	1,000	0.0001	0.10	-0.10	-50.00%	0.05%
Sub-Total: Distribution (excluding pass through)			69.31			70.06	0.75	1.08%	37.92%
Line Losses on Cost of Power	92	0.09	8.37	92	0.09	8.37	0.00	0.00%	4.53%
Sub-Total: Distribution			77.68			78.43	0.75	0.97%	42.45%
Retail Transmission Rate – Network Service Rate	1,092	0.0047	5.13	1,092	0.0047	5.13	0.00	0.00%	2.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0032	3.49	1,092	0.0032	3.49	0.00	0.00%	1.89%
Sub-Total: Retail Transmission			8.63			8.63	0.00	0.00%	4.67%
Sub-Total: Delivery (excluding pass through)			77.94			78.69	0.75	0.96%	42.59%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.60%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.45%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.79%
Total Bill on Two-Tier RPP (before Taxes)			180.92			181.67	0.75	0.41%	98.33%
HST		0.13	23.52		0.13	23.62	0.10	0.41%	12.78%
Total Bill (including HST)			204.44			205.29	0.85	0.41%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.44		-0.10	-20.53	-0.08	0.41%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			184.00			184.76	0.76	0.41%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	35.96%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	35.96%
Service Charge	1	95.25	95.25	1	101.62	101.62	6.37	6.69%	3.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.31	-1.31	1	2.48	2.48	3.79	-289.31%	0.08%
Fixed Deferral/Variance Account Rider	1	0.5	0.50	1	0.52	0.52	0.02	4.00%	0.02%
Distribution Volumetric Rate	60	17.3885	1,043.31	60	18.9467	1,136.80	93.49	8.96%	34.94%
Volumetric Smoothing Rider	60	-0.2383	-14.30	60	0.4625	27.75	42.05	-294.08%	0.85%
Volumetric Deferral/Variance Account Rider	60	0.0661	3.97	60	0.0713	4.28	0.31	7.87%	0.13%
Sub-Total: Distribution (excluding pass through)			1,127.42			1,273.45	146.03	12.95%	39.14%
Line Losses on Cost of Power	915	0.08	71.37	915	0.08	71.37	0.00	0.00%	2.19%
Sub-Total: Distribution			1,198.79			1,344.82	146.03	12.18%	41.33%
Retail Transmission Rate – Network Service Rate	60	1.6926	101.56	60	1.6926	101.56	0.00	0.00%	3.12%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.1477	68.86	60	1.1477	68.86	0.00	0.00%	2.12%
Sub-Total: Retail Transmission			170.42			170.42	0.00	0.00%	5.24%
Sub-Total: Delivery			1,297.84			1,443.87	146.03	11.25%	44.37%
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	0.0012	19.10	15,915	0.0012	19.10	0.00	0.00%	0.59%
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			89.37			89.37	0.00	0.00%	2.75%
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)			2,733.58			2,879.61	146.03	5.34%	88.50%
HST		0.13	355.37		0.13	374.35	18.98	5.34%	11.50%
Total Bill (including HST)			3,088.95			3,253.96	165.02	5.34%	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 HST and OCEB)			3,088.95			3,253.96	165.02	5.34%	100.00%

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	39.39%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	39.39%
Service Charge	1	95.25	95.25	1	101.62	101.62	6.37	6.69%	1.47%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.31	-1.31	1	2.48	2.48	3.79	-289.31%	0.04%
Fixed Deferral/Variance Account Rider	1	0.5	0.50	1	0.52	0.52	0.02	4.00%	0.01%
Distribution Volumetric Rate	120	17.3885	2,086.62	120	18.9467	2,273.60	186.98	8.96%	32.81%
Volumetric Smoothing Rider	120	-0.2383	-28.60	120	0.4625	55.50	84.10	-294.08%	0.80%
Volumetric Deferral/Variance Account Rider	120	0.0661	7.93	120	0.0713	8.56	0.62	7.87%	0.12%
Sub-Total: Distribution (excluding pass through)			2,160.40			2,442.28	281.88	13.05%	35.24%
Line Losses on Cost of Power	2,135	0.08	166.53	2,135	0.08	166.53	0.00	0.00%	2.40%
Sub-Total: Distribution			2,326.93			2,608.81	281.88	12.11%	37.64%
Retail Transmission Rate – Network Service Rate	120	1.6926	203.11	120	1.6926	203.11	0.00	0.00%	2.93%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.1477	137.72	120	1.1477	137.72	0.00	0.00%	1.99%
Sub-Total: Retail Transmission			340.84			340.84	0.00	0.00%	4.92%
Sub-Total: Delivery			2,501.23			2,783.12	281.88	11.27%	40.16%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.36%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	3.00%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.54%
Total Bill on Two-Tier RPP (before Taxes)			5,850.97			6,132.85	281.88	4.82%	88.50%
HST		0.13	760.63		0.13	797.27	36.64	4.82%	11.50%
Total Bill (including HST)			6,611.59			6,930.12	318.53	4.82%	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 HST and OCEB)			6,611.59			6,930.12	318.53	4.82%	100.00%

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	43.12%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	43.12%
Service Charge	1	95.25	95.25	1	101.62	101.62	6.37	6.69%	0.32%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.31	-1.31	1	2.48	2.48	3.79	-289.31%	0.01%
Fixed Deferral/Variance Account Rider	1	0.5	0.50	1	0.52	0.52	0.02	4.00%	0.00%
Distribution Volumetric Rate	500	17.3885	8,694.25	500	18.9467	9,473.35	779.10	8.96%	29.93%
Volumetric Smoothing Rider	500	-0.2383	-119.15	500	0.4625	231.25	350.40	-294.08%	0.73%
Volumetric Deferral/Variance Account Rider	500	0.0661	33.05	500	0.0713	35.65	2.60	7.87%	0.11%
Sub-Total: Distribution (excluding pass through)			8,702.59			9,844.87	1,142.28	13.13%	31.10%
Line Losses on Cost of Power	10,675	0.08	832.65	10,675	0.08	832.65	0.00	0.00%	2.63%
Sub-Total: Distribution			9,535.24			10,677.52	1,142.28	11.98%	33.73%
Retail Transmission Rate – Network Service Rate	500	1.6926	846.30	500	1.6926	846.30	0.00	0.00%	2.67%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.1477	573.85	500	1.1477	573.85	0.00	0.00%	1.81%
Sub-Total: Retail Transmission			1,420.15			1,420.15	0.00	0.00%	4.49%
Sub-Total: Delivery			10,122.74			11,265.02	1,142.28	11.28%	35.59%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.58%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	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%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.29%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.87%
Total Bill on Two-Tier RPP (before Taxes)			26,870.42			28,012.70	1,142.28	4.25%	88.50%
HST		0.13	3,493.15		0.13	3,641.65	148.50	4.25%	11.50%
Total Bill (including HST)			30,363.57			31,654.35	1,290.78	4.25%	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 HST and OCEB)			30,363.57			31,654.35	1,290.78	4.25%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	43.00%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	43.00%
Service Charge	1	98.68	98.68	1	105.72	105.72	7.04	7.13%	3.89%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.35	-1.35	1	2.58	2.58	3.93	-291.11%	0.09%
Fixed Deferral/Variance Account Rider	1	0.52	0.52	1	0.54	0.54	0.02	3.85%	0.02%
Distribution Volumetric Rate	60	9.9305	595.83	60	10.8088	648.53	52.70	8.84%	23.83%
Volumetric Smoothing Rider	60	-0.1361	-8.17	60	0.2639	15.83	24.00	-293.90%	0.58%
Volumetric Deferral/Variance Account Rider	60	0.0315	1.89	60	0.0344	2.06	0.17	9.21%	0.08%
Sub-Total: Distribution (excluding pass through)			687.40			775.27	87.86	12.78%	28.49%
Line Losses on Cost of Power	750	0.08	58.50	750	0.08	58.50	0.00	0.00%	2.15%
Sub-Total: Distribution			745.90			833.77	87.86	11.78%	30.64%
Retail Transmission Rate – Network Service Rate	60	2.1155	126.93	60	2.1155	126.93	0.00	0.00%	4.66%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.3969	83.81	60	1.3969	83.81	0.00	0.00%	3.08%
Sub-Total: Retail Transmission			210.74			210.74	0.00	0.00%	7.75%
Sub-Total: Delivery			898.15			986.01	87.86	9.78%	36.24%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.55%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	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%	0.01%
Sub-Total: Regulatory			88.45			88.45	0.00	0.00%	3.25%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.86%
Total Bill on Two-Tier RPP (before Taxes)			2,320.10			2,407.96	87.86	3.79%	88.50%
HST		0.13	301.61		0.13	313.03	11.42	3.79%	11.50%
Total Bill (including HST)			2,621.71			2,720.99	99.28	3.79%	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 HST and OCEB)			2,621.71			2,720.99	99.28	3.79%	100.00%

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	46.63%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	46.63%
Service Charge	1	98.68	98.68	1	105.72	105.72	7.04	7.13%	1.81%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.35	-1.35	1	2.58	2.58	3.93	-291.11%	0.04%
Fixed Deferral/Variance Account Rider	1	0.52	0.52	1	0.54	0.54	0.02	3.85%	0.01%
Distribution Volumetric Rate	120	9.9305	1,191.66	120	10.8088	1,297.06	105.40	8.84%	22.16%
Volumetric Smoothing Rider	120	-0.1361	-16.33	120	0.2639	31.67	48.00	-293.90%	0.54%
Volumetric Deferral/Variance Account Rider	120	0.0315	3.78	120	0.0344	4.13	0.35	9.21%	0.07%
Sub-Total: Distribution (excluding pass through)			1,276.96			1,441.69	164.73	12.90%	24.63%
Line Losses on Cost of Power	1,750	0.08	136.50	1,750	0.08	136.50	0.00	0.00%	2.33%
Sub-Total: Distribution			1,413.46			1,578.19	164.73	11.65%	26.96%
Retail Transmission Rate – Network Service Rate	120	2.1155	253.86	120	2.1155	253.86	0.00	0.00%	4.34%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.3969	167.63	120	1.3969	167.63	0.00	0.00%	2.86%
Sub-Total: Retail Transmission			421.49			421.49	0.00	0.00%	7.20%
Sub-Total: Delivery			1,698.45			1,863.18	164.73	9.70%	31.83%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.76%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	0.00	0.00%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			206.05			206.05	0.00	0.00%	3.52%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.19%
Total Bill on Two-Tier RPP (before Taxes)			5,016.00			5,180.73	164.73	3.28%	88.50%
HST		0.13	652.08		0.13	673.49	21.42	3.28%	11.50%
Total Bill (including HST)			5,668.08			5,854.22	186.15	3.28%	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 HST and OCEB)			5,668.08			5,854.22	186.15	3.28%	100.00%

2018 Bill Impacts (High Consumption Level)

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	50.32%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	50.32%
Service Charge	1	98.68	98.68	1	105.72	105.72	7.04	7.13%	0.39%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.35	-1.35	1	2.58	2.58	3.93	-291.11%	0.01%
Fixed Deferral/Variance Account Rider	1	0.52	0.52	1	0.54	0.54	0.02	3.85%	0.00%
Distribution Volumetric Rate	500	9.9305	4,965.25	500	10.8088	5,404.40	439.15	8.84%	19.92%
Volumetric Smoothing Rider	500	-0.1361	-68.05	500	0.2639	131.95	200.00	-293.90%	0.49%
Volumetric Deferral/Variance Account Rider	500	0.0315	15.75	500	0.0344	17.20	1.45	9.21%	0.06%
Sub-Total: Distribution (excluding pass through)			5,010.80			5,662.39	651.59	13.00%	20.87%
Line Losses on Cost of Power	8,750	0.08	682.50	8,750	0.08	682.50	0.00	0.00%	2.52%
Sub-Total: Distribution			5,693.30			6,344.89	651.59	11.44%	23.39%
Retail Transmission Rate – Network Service Rate	500	2.1155	1,057.75	500	2.1155	1,057.75	0.00	0.00%	3.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.3969	698.45	500	1.3969	698.45	0.00	0.00%	2.57%
Sub-Total: Retail Transmission			1,756.20			1,756.20	0.00	0.00%	6.47%
Sub-Total: Delivery			6,767.00			7,418.59	651.59	9.63%	27.35%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.98%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	0.00	0.00%	0.81%
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			1,029.25			1,029.25	0.00	0.00%	3.79%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.52%
Total Bill on Two-Tier RPP (before Taxes)			23,353.75			24,005.34	651.59	2.79%	88.50%
HST		0.13	3,035.99		0.13	3,120.69	84.71	2.79%	11.50%
Total Bill (including HST)			26,389.74			27,126.03	736.30	2.79%	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 HST and OCEB)			26,389.74			27,126.03	736.30	2.79%	100.00%

2018 Bill Impacts (Low Consumption Level)

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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)	300	0.078	23.40	300	0.078	23.40	0.00	0.00%	5.26%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			23.40			23.40	0.00	0.00%	5.26%
Service Charge	1	239.01	239.01	1	267.75	267.75	28.74	12.02%	60.19%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.28	-3.28	1	6.54	6.54	9.82	-299.39%	1.47%
Fixed Deferral/Variance Account Rider	1	1.83	1.83	1	1.99	1.99	0.16	8.74%	0.45%
Distribution Volumetric Rate	10	6.291	62.91	10	7.6545	76.55	13.64	21.67%	17.21%
Volumetric Smoothing Rider	10	-0.0862	-0.86	10	0.1869	1.87	2.73	-316.82%	0.42%
Volumetric Deferral/Variance Account Rider	10	0.0424	0.42	10	0.051	0.51	0.09	20.28%	0.11%
Sub-Total: Distribution (excluding pass through)			300.03			355.20	55.17	18.39%	79.85%
Line Losses on Cost of Power	18	0.08	1.43	18	0.08	1.43	0.00	0.00%	0.32%
Sub-Total: Distribution			301.46			356.63	55.17	18.30%	80.17%
Retail Transmission Rate – Network Service Rate	10	0.5719	5.72	10	0.5719	5.72	0.00	0.00%	1.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3796	3.80	10	0.3796	3.80	0.00	0.00%	0.85%
Sub-Total: Retail Transmission			9.52			9.52	0.00	0.00%	2.14%
Sub-Total: Delivery			309.55			364.72	55.17	17.82%	81.99%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.31%
Rural Rate Protection Charge	318	0.0012	0.38	318	0.0012	0.38	0.00	0.00%	0.09%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%
Sub-Total: Regulatory			2.03			2.03	0.00	0.00%	0.46%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.47%
Total Bill on Two-Tier RPP (before Taxes)			338.51			393.68	55.17	16.30%	88.50%
HST		0.13	44.01		0.13	51.18	7.17	16.30%	11.50%
Total Bill (including HST)			382.51			444.86	62.34	16.30%	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 HST and OCEB)			382.51			444.86	62.34	16.30%	100.00%

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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)	2,000	0.078	156.00	2,000	0.078	156.00	0.00	0.00%	21.41%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			156.00			156.00	0.00	0.00%	21.41%
Service Charge	1	239.01	239.01	1	267.75	267.75	28.74	12.02%	36.75%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.28	-3.28	1	6.54	6.54	9.82	-299.39%	0.90%
Fixed Deferral/Variance Account Rider	1	1.83	1.83	1	1.99	1.99	0.16	8.74%	0.27%
Distribution Volumetric Rate	20	6.291	125.82	20	7.6545	153.09	27.27	21.67%	21.01%
Volumetric Smoothing Rider	20	-0.0862	-1.72	20	0.1869	3.74	5.46	-316.82%	0.51%
Volumetric Deferral/Variance Account Rider	20	0.0424	0.85	20	0.051	1.02	0.17	20.28%	0.14%
Sub-Total: Distribution (excluding pass through)			362.50			434.13	71.62	19.76%	59.58%
Line Losses on Cost of Power	122	0.08	9.52	122	0.08	9.52	0.00	0.00%	1.31%
Sub-Total: Distribution			372.02			443.64	71.62	19.25%	60.89%
Retail Transmission Rate – Network Service Rate	20	0.5719	11.44	20	0.5719	11.44	0.00	0.00%	1.57%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3796	7.59	20	0.3796	7.59	0.00	0.00%	1.04%
Sub-Total: Retail Transmission			19.03			19.03	0.00	0.00%	2.61%
Sub-Total: Delivery			381.53			453.16	71.62	18.77%	62.19%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.28%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.03%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	1.67%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	1.92%
Total Bill on Two-Tier RPP (before Taxes)			573.18			644.81	71.62	12.50%	88.50%
HST		0.13	74.51		0.13	83.82	9.31	12.50%	11.50%
Total Bill (including HST)			647.70			728.63	80.94	12.50%	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 HST and OCEB)			647.70			728.63	80.94	12.50%	100.00%

2018 Bill Impacts (High Consumption Level)

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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)	5,000	0.078	390.00	5,000	0.078	390.00	0.00	0.00%	21.05%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			390.00			390.00	0.00	0.00%	21.05%
Service Charge	1	239.01	239.01	1	267.75	267.75	28.74	12.02%	14.45%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.28	-3.28	1	6.54	6.54	9.82	-299.39%	0.35%
Fixed Deferral/Variance Account Rider	1	1.83	1.83	1	1.99	1.99	0.16	8.74%	0.11%
Distribution Volumetric Rate	100	6.291	629.10	100	7.6545	765.45	136.35	21.67%	41.32%
Volumetric Smoothing Rider	100	-0.0862	-8.62	100	0.1869	18.69	27.31	-316.82%	1.01%
Volumetric Deferral/Variance Account Rider	100	0.0424	4.24	100	0.051	5.10	0.86	20.28%	0.28%
Sub-Total: Distribution (excluding pass through)			862.28			1,065.52	203.24	23.57%	57.52%
Line Losses on Cost of Power	305	0.08	23.79	305	0.08	23.79	0.00	0.00%	1.28%
Sub-Total: Distribution			886.07			1,089.31	203.24	22.94%	58.80%
Retail Transmission Rate – Network Service Rate	100	0.5719	57.19	100	0.5719	57.19	0.00	0.00%	3.09%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3796	37.96	100	0.3796	37.96	0.00	0.00%	2.05%
Sub-Total: Retail Transmission			95.15			95.15	0.00	0.00%	5.14%
Sub-Total: Delivery			957.43			1,160.67	203.24	21.23%	62.65%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.26%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	1.62%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.89%
Total Bill on Two-Tier RPP (before Taxes)			1,436.18			1,639.42	203.24	14.15%	88.50%
HST		0.13	186.70		0.13	213.12	26.42	14.15%	11.50%
Total Bill (including HST)			1,622.88			1,852.54	229.66	14.15%	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 HST and OCEB)			1,622.88			1,852.54	229.66	14.15%	100.00%

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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)	200,000	0.078	15,600.00	200,000	0.078	15,600.00	0.00	0.00%	57.52%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,600.00			15,600.00	0.00	0.00%	57.52%
Service Charge	1	1263.08	1,263.08	1	1320.28	1,320.28	57.20	4.53%	4.87%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-13.24	-13.24	1	24.69	24.69	37.93	-286.48%	0.09%
Fixed Deferral/Variance Account Rider	1	5.02	5.02	1	5.11	5.11	0.09	1.79%	0.02%
Distribution Volumetric Rate	500	1.3776	688.80	500	1.4722	736.10	47.30	6.87%	2.71%
Volumetric Smoothing Rider	500	-0.0202	-10.10	500	0.0382	19.10	29.20	-289.11%	0.07%
Volumetric Deferral/Variance Account Rider	500	0.1916	95.80	500	0.1931	96.55	0.75	0.78%	0.36%
Sub-Total: Distribution (excluding pass through)			2,029.36			2,201.83	172.47	8.50%	8.12%
Line Losses on Cost of Power	6,800	0.08	530.40	6,800	0.08	530.40	0.00	0.00%	1.96%
Sub-Total: Distribution			2,559.76			2,732.23	172.47	6.74%	10.07%
Retail Transmission Rate – Network Service Rate	500	3.5856	1,792.80	500	3.5856	1,792.80	0.00	0.00%	6.61%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6378	1,318.90	500	2.6378	1,318.90	0.00	0.00%	4.86%
Sub-Total: Retail Transmission			3,111.70			3,111.70	0.00	0.00%	11.47%
Sub-Total: Delivery			5,141.06			5,313.53	172.47	3.35%	19.59%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.35%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	0.00	0.00%	0.91%
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			1,158.33			1,158.33	0.00	0.00%	4.27%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	5.16%
Total Bill on Two-Tier RPP (before Taxes)			23,829.79			24,002.26	172.47	0.72%	88.50%
HST		0.13	3,097.87		0.13	3,120.29	22.42	0.72%	11.50%
Total Bill (including HST)			26,927.66			27,122.55	194.89	0.72%	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 HST and OCEB)			26,927.66			27,122.55	194.89	0.72%	100.00%

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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)	500,000	0.078	39,000.00	500,000	0.078	39,000.00	0.00	0.00%	61.63%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39,000.00			39,000.00	0.00	0.00%	61.63%
Service Charge	1	1263.08	1,263.08	1	1320.28	1,320.28	57.20	4.53%	2.09%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-13.24	-13.24	1	24.69	24.69	37.93	-286.48%	0.04%
Fixed Deferral/Variance Account Rider	1	5.02	5.02	1	5.11	5.11	0.09	1.79%	0.01%
Distribution Volumetric Rate	1,000	1.3776	1,377.60	1,000	1.4722	1,472.20	94.60	6.87%	2.33%
Volumetric Smoothing Rider	1,000	-0.0202	-20.20	1,000	0.0382	38.20	58.40	-289.11%	0.06%
Volumetric Deferral/Variance Account Rider	1,000	0.1916	191.60	1,000	0.1931	193.10	1.50	0.78%	0.31%
Sub-Total: Distribution (excluding pass through)			2,803.86			3,053.58	249.72	8.91%	4.83%
Line Losses on Cost of Power	17,000	0.08	1,326.00	17,000	0.08	1,326.00	0.00	0.00%	2.10%
Sub-Total: Distribution			4,129.86			4,379.58	249.72	6.05%	6.92%
Retail Transmission Rate – Network Service Rate	1,000	3.5856	3,585.60	1,000	3.5856	3,585.60	0.00	0.00%	5.67%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6378	2,637.80	1,000	2.6378	2,637.80	0.00	0.00%	4.17%
Sub-Total: Retail Transmission			6,223.40			6,223.40	0.00	0.00%	9.83%
Sub-Total: Delivery			9,027.26			9,276.98	249.72	2.77%	14.66%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.59%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	0.00	0.00%	0.98%
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			2,895.45			2,895.45	0.00	0.00%	4.58%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.53%
Total Bill on Two-Tier RPP (before Taxes)			55,748.71			55,998.43	249.72	0.45%	88.50%
HST		0.13	7,247.33		0.13	7,279.80	32.46	0.45%	11.50%
Total Bill (including HST)			62,996.04			63,278.23	282.18	0.45%	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 HST and OCEB)			62,996.04			63,278.23	282.18	0.45%	100.00%

2018 Bill Impacts (High Consumption Level)

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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)	4,000,000	0.078	312,000.00	4,000,000	0.078	312,000.00	0.00	0.00%	60.76%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			312,000.00			312,000.00	0.00	0.00%	60.76%
Service Charge	1	1263.08	1,263.08	1	1320.28	1,320.28	57.20	4.53%	0.26%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-13.24	-13.24	1	24.69	24.69	37.93	-286.48%	0.00%
Fixed Deferral/Variance Account Rider	1	5.02	5.02	1	5.11	5.11	0.09	1.79%	0.00%
Distribution Volumetric Rate	10,000	1.3776	13,776.00	10,000	1.4722	14,722.00	946.00	6.87%	2.87%
Volumetric Smoothing Rider	10,000	-0.0202	-202.00	10,000	0.0382	382.00	584.00	-289.11%	0.07%
Volumetric Deferral/Variance Account Rider	10,000	0.1916	1,916.00	10,000	0.1931	1,931.00	15.00	0.78%	0.38%
Sub-Total: Distribution (excluding pass through)			16,744.86			18,385.08	1,640.22	9.80%	3.58%
Line Losses on Cost of Power	136,000	0.08	10,608.00	136,000	0.08	10,608.00	0.00	0.00%	2.07%
Sub-Total: Distribution			27,352.86			28,993.08	1,640.22	6.00%	5.65%
Retail Transmission Rate – Network Service Rate	10,000	3.5856	35,856.00	10,000	3.5856	35,856.00	0.00	0.00%	6.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6378	26,378.00	10,000	2.6378	26,378.00	0.00	0.00%	5.14%
Sub-Total: Retail Transmission			62,234.00			62,234.00	0.00	0.00%	12.12%
Sub-Total: Delivery			78,978.86			80,619.08	1,640.22	2.08%	15.70%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.54%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.97%
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			23,161.85			23,161.85	0.00	0.00%	4.51%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.45%
Total Bill on Two-Tier RPP (before Taxes)			452,748.71			454,388.93	1,640.22	0.36%	88.50%
HST		0.13	58,857.33		0.13	59,070.56	213.23	0.36%	11.50%
Total Bill (including HST)			511,606.04			513,459.49	1,853.45	0.36%	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 HST and OCEB)			511,606.04			513,459.49	1,853.45	0.36%	100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	22.06%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	22.06%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		11.91%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		5.20%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		6.20%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	23.74%	23.32%
Service Charge	1	19.93	19.93	1	19.57	19.57	-0.36	-1.81%	55.35%	54.38%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.49	0.49	1	1.27	1.27	0.78	159.18%	3.59%	3.53%
Fixed Deferral/Variance Account Rider	1	0.2	0.20	1	0.20	0.20	0.00	0.00%	0.57%	0.56%
Distribution Volumetric Rate	100	0.018	1.80	100	0.0178	1.78	-0.02	-1.11%	5.03%	4.95%
Volumetric Smoothing Rider	100	0.0004	0.04	100	0.0012	0.12	0.08	200.00%	0.34%	0.33%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			22.47			22.95	0.48	2.14%	64.91%	63.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.23%	2.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.08	0.44	6	0.08	0.44	0.00	0.00%	1.26%	1.24%
Line Losses on Cost of Power (based on TOU prices)	6	0.08	0.48	6	0.08	0.48	0.00	0.00%	1.35%	1.33%
Sub-Total: Distribution (based on two-tier RPP prices)			23.70			24.18	0.48	2.02%	68.41%	67.20%
Sub-Total: Distribution (based on TOU prices)			23.74			24.22	0.48	2.02%	68.50%	67.29%
Retail Transmission Rate – Network Service Rate	106	0.0067	0.71	106	0.0067	0.71	0.00	0.00%	2.00%	1.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	106	0.005	0.53	106	0.005	0.53	0.00	0.00%	1.49%	1.47%
Sub-Total: Retail Transmission			1.24			1.24	0.00	0.00%	3.50%	3.44%
Sub-Total: Delivery (excluding pass through)			23.71			24.19	0.48	2.02%	68.41%	67.20%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.32%	1.29%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	0.00	0.00%	0.36%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.71%	0.69%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.38%	2.34%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.98%	1.94%
Total Bill on Two-Tier RPP (before Taxes)			34.28			34.76	0.48	1.40%	98.33%	
HST		0.13	4.46		0.13	4.52	0.06	1.40%	12.78%	
Total Bill (including HST)			38.74			39.28	0.54	1.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.87		-0.10	-3.93	-0.05	1.40%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			34.87			35.35	0.49	1.40%	100.00%	
Total Bill on TOU (before Taxes)			34.91			35.39	0.48	1.38%		98.33%
HST		0.13	4.54		0.13	4.60	0.06	1.38%		12.78%
Total Bill (including HST)			39.45			39.99	0.54	1.38%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.94		-0.10	-4.00	-0.05	1.38%		-11.11%
Total Bill on TOU (including HST and OCEB)			35.50			35.99	0.49	1.38%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	36.31%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	14.12%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	50.43%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		26.24%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		11.46%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		13.66%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	52.09%	51.35%
Service Charge	1	19.93	19.93	1	19.57	19.57	-0.36	-1.81%	15.18%	14.97%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.49	0.49	1	1.27	1.27	0.78	159.18%	0.99%	0.97%
Fixed Deferral/Variance Account Rider	1	0.2	0.20	1	0.20	0.20	0.00	0.00%	0.16%	0.15%
Distribution Volumetric Rate	800	0.018	14.40	800	0.0178	14.24	-0.16	-1.11%	11.05%	10.89%
Volumetric Smoothing Rider	800	0.0004	0.32	800	0.0012	0.96	0.64	200.00%	0.74%	0.73%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			35.42			36.32	0.90	2.54%	28.18%	27.78%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.61%	0.60%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.09	4.15	46	0.09	4.15	0.00	0.00%	3.22%	3.17%
Line Losses on Cost of Power (based on TOU prices)	46	0.08	3.83	46	0.08	3.83	0.00	0.00%	2.97%	2.93%
Sub-Total: Distribution (based on two-tier RPP prices)			40.36			41.26	0.90	2.23%	32.01%	31.56%
Sub-Total: Distribution (based on TOU prices)			40.04			40.94	0.90	2.25%	31.76%	31.31%
Retail Transmission Rate – Network Service Rate	846	0.0067	5.67	846	0.0067	5.67	0.00	0.00%	4.40%	4.33%
Retail Transmission Rate – Line and Transformation Connection Service Rate	846	0.005	4.23	846	0.005	4.23	0.00	0.00%	3.28%	3.23%
Sub-Total: Retail Transmission			9.89			9.89	0.00	0.00%	7.68%	7.57%
Sub-Total: Delivery (excluding pass through)			45.31			46.21	0.90	1.99%	35.85%	35.35%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.89%	2.85%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.79%	0.78%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.19%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.87%	3.81%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.34%	4.28%
Total Bill on Two-Tier RPP (before Taxes)			125.84			126.74	0.90	0.72%	98.33%	
HST		0.13	16.36		0.13	16.48	0.12	0.72%	12.78%	
Total Bill (including HST)			142.20			143.21	1.02	0.72%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.22		-0.10	-14.32	-0.10	0.72%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			127.98			128.89	0.92	0.72%	100.00%	
Total Bill on TOU (before Taxes)			127.65			128.55	0.90	0.71%		98.33%
HST		0.13	16.59		0.13	16.71	0.12	0.71%		12.78%
Total Bill (including HST)			144.25			145.26	1.02	0.71%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.42		-0.10	-14.53	-0.10	0.71%		-11.11%
Total Bill on TOU (including HST and OCEB)			129.82			130.74	0.92	0.71%		100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	15.58%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	42.40%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	57.98%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		29.25%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		12.77%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		15.23%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	55.86%	57.25%
Service Charge	1	19.93	19.93	1	19.57	19.57	-0.36	-1.81%	6.51%	6.68%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.49	0.49	1	1.27	1.27	0.78	159.18%	0.42%	0.43%
Fixed Deferral/Variance Account Rider	1	0.2	0.20	1	0.20	0.20	0.00	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.018	36.00	2,000	0.0178	35.60	-0.40	-1.11%	11.85%	12.14%
Volumetric Smoothing Rider	2,000	0.0004	0.80	2,000	0.0012	2.40	1.60	200.00%	0.80%	0.82%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.07%	0.07%
Sub-Total: Distribution (excluding pass through)			57.62			59.24	1.62	2.81%	19.72%	20.21%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.26%	0.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	114	0.09	10.37	114	0.09	10.37	0.00	0.00%	3.45%	3.54%
Line Losses on Cost of Power (based on TOU prices)	114	0.08	9.57	114	0.08	9.57	0.00	0.00%	3.18%	3.26%
Sub-Total: Distribution (based on two-tier RPP prices)			68.78			70.40	1.62	2.36%	23.43%	24.02%
Sub-Total: Distribution (based on TOU prices)			67.98			69.60	1.62	2.38%	23.16%	23.74%
Retail Transmission Rate – Network Service Rate	2,114	0.0067	14.16	2,114	0.0067	14.16	0.00	0.00%	4.71%	4.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,114	0.005	10.57	2,114	0.005	10.57	0.00	0.00%	3.52%	3.61%
Sub-Total: Retail Transmission			24.73			24.73	0.00	0.00%	8.23%	8.44%
Sub-Total: Delivery (excluding pass through)			82.35			83.97	1.62	1.97%	27.95%	28.64%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	3.10%	3.17%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	0.00	0.00%	0.84%	0.87%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.09%
Sub-Total: Regulatory			12.09			12.09	0.00	0.00%	4.02%	4.12%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.66%	4.78%
Total Bill on Two-Tier RPP (before Taxes)			293.81			295.43	1.62	0.55%	98.33%	
HST		0.13	38.19		0.13	38.41	0.21	0.55%	12.78%	
Total Bill (including HST)			332.00			333.83	1.83	0.55%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-33.20		-0.10	-33.38	-0.18	0.55%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			298.80			300.45	1.65	0.55%	100.00%	
Total Bill on TOU (before Taxes)			286.64			288.26	1.62	0.57%		98.33%
HST		0.13	37.26		0.13	37.47	0.21	0.57%		12.78%
Total Bill (including HST)			323.90			325.73	1.83	0.57%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-32.39		-0.10	-32.57	-0.18	0.57%		-11.11%
Total Bill on TOU (including HST and OCEB)			291.51			293.16	1.65	0.57%		100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	16.93%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	16.93%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		9.18%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		4.01%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		4.78%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	18.22%	17.96%
Service Charge	1	28.26	28.26	1	27.89	27.89	-0.37	-1.31%	60.54%	59.70%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.69	0.69	1	1.80	1.80	1.11	160.87%	3.91%	3.85%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.50%	0.49%
Distribution Volumetric Rate	100	0.0325	3.25	100	0.0323	3.23	-0.02	-0.62%	7.01%	6.91%
Volumetric Smoothing Rider	100	0.0008	0.08	100	0.0021	0.21	0.13	162.50%	0.46%	0.45%
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)			32.53			33.37	0.84	2.58%	72.43%	71.43%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.71%	1.69%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.08	0.59	8	0.08	0.59	0.00	0.00%	1.29%	1.27%
Line Losses on Cost of Power (based on TOU prices)	8	0.08	0.64	8	0.08	0.64	0.00	0.00%	1.38%	1.37%
Sub-Total: Distribution (based on two-tier RPP prices)			33.91			34.75	0.84	2.48%	75.44%	74.39%
Sub-Total: Distribution (based on TOU prices)			33.96			34.80	0.84	2.47%	75.53%	74.49%
Retail Transmission Rate – Network Service Rate	108	0.0063	0.68	108	0.0063	0.68	0.00	0.00%	1.47%	1.45%
Retail Transmission Rate – Line and Transformation Connection Service Rate	108	0.0048	0.52	108	0.0048	0.52	0.00	0.00%	1.12%	1.11%
Sub-Total: Retail Transmission			1.19			1.19	0.00	0.00%	2.59%	2.56%
Sub-Total: Delivery (excluding pass through)			33.72			34.56	0.84	2.49%	75.03%	73.99%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.03%	1.01%
Rural Rate Protection Charge	108	0.0012	0.13	108	0.0012	0.13	0.00	0.00%	0.28%	0.28%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.54%	0.54%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	1.85%	1.82%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.52%	1.50%
Total Bill on Two-Tier RPP (before Taxes)			44.46			45.30	0.84	1.89%	98.33%	
HST		0.13	5.78		0.13	5.89	0.11	1.89%	12.78%	
Total Bill (including HST)			50.24			51.19	0.95	1.89%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.02		-0.10	-5.12	-0.09	1.89%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			45.22			46.07	0.85	1.89%	100.00%	
Total Bill on TOU (before Taxes)			45.10			45.94	0.84	1.86%		98.33%
HST		0.13	5.86		0.13	5.97	0.11	1.86%	12.78%	
Total Bill (including HST)			50.96			51.91	0.95	1.86%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.10		-0.10	-5.19	-0.09	1.86%	-11.11%	
Total Bill on TOU (including HST and OCEB)			45.86			46.72	0.85	1.86%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	30.87%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	12.01%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	42.88%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		22.37%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		9.77%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		11.64%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	44.28%	43.78%
Service Charge	1	28.26	28.26	1	27.89	27.89	-0.37	-1.31%	18.40%	18.19%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.69	0.69	1	1.80	1.80	1.11	160.87%	1.19%	1.17%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.15%	0.15%
Distribution Volumetric Rate	800	0.0325	26.00	800	0.0323	25.84	-0.16	-0.62%	17.04%	16.85%
Volumetric Smoothing Rider	800	0.0008	0.64	800	0.0021	1.68	1.04	162.50%	1.11%	1.10%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			55.91			57.52	1.61	2.88%	37.94%	37.51%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.52%	0.52%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.09	5.53	61	0.09	5.53	0.00	0.00%	3.65%	3.61%
Line Losses on Cost of Power (based on TOU prices)	61	0.08	5.10	61	0.08	5.10	0.00	0.00%	3.37%	3.33%
Sub-Total: Distribution (based on two-tier RPP prices)			62.23			63.84	1.61	2.59%	42.11%	41.64%
Sub-Total: Distribution (based on TOU prices)			61.80			63.41	1.61	2.61%	41.83%	41.35%
Retail Transmission Rate – Network Service Rate	861	0.0063	5.42	861	0.0063	5.42	0.00	0.00%	3.58%	3.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	861	0.0048	4.13	861	0.0048	4.13	0.00	0.00%	2.73%	2.69%
Sub-Total: Retail Transmission			9.55			9.55	0.00	0.00%	6.30%	6.23%
Sub-Total: Delivery (excluding pass through)			65.46			67.07	1.61	2.46%	44.24%	43.74%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.50%	2.47%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	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%	0.16%	0.16%
Sub-Total: Regulatory			5.07			5.07	0.00	0.00%	3.34%	3.31%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.69%	3.65%
Total Bill on Two-Tier RPP (before Taxes)			147.46			149.07	1.61	1.09%	98.33%	
HST		0.13	19.17		0.13	19.38	0.21	1.09%	12.78%	
Total Bill (including HST)			166.63			168.45	1.82	1.09%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.66		-0.10	-16.84	-0.18	1.09%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			149.96			151.60	1.64	1.09%	100.00%	
Total Bill on TOU (before Taxes)			149.16			150.77	1.61	1.08%		98.33%
HST		0.13	19.39		0.13	19.60	0.21	1.08%		12.78%
Total Bill (including HST)			168.55			170.37	1.82	1.08%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.86		-0.10	-17.04	-0.18	1.08%		-11.11%
Total Bill on TOU (including HST and OCEB)			151.70			153.34	1.64	1.08%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	13.62%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	37.07%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	50.69%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		25.52%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.14%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.28%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	48.84%	49.94%
Service Charge	1	28.26	28.26	1	27.89	27.89	-0.37	-1.31%	8.12%	8.30%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.69	0.69	1	1.80	1.80	1.11	160.87%	0.52%	0.54%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0325	65.00	2,000	0.0323	64.60	-0.40	-0.62%	18.80%	19.22%
Volumetric Smoothing Rider	2,000	0.0008	1.60	2,000	0.0021	4.20	2.60	162.50%	1.22%	1.25%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			95.99			98.92	2.93	3.05%	28.78%	29.43%
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)	152	0.09	13.83	152	0.09	13.83	0.00	0.00%	4.02%	4.12%
Line Losses on Cost of Power (based on TOU prices)	152	0.08	12.76	152	0.08	12.76	0.00	0.00%	3.71%	3.80%
Sub-Total: Distribution (based on two-tier RPP prices)			110.61			113.54	2.93	2.65%	33.04%	33.78%
Sub-Total: Distribution (based on TOU prices)			109.54			112.47	2.93	2.67%	32.72%	33.46%
Retail Transmission Rate – Network Service Rate	2,152	0.0063	13.56	2,152	0.0063	13.56	0.00	0.00%	3.94%	4.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,152	0.0048	10.33	2,152	0.0048	10.33	0.00	0.00%	3.01%	3.07%
Sub-Total: Retail Transmission			23.89			23.89	0.00	0.00%	6.95%	7.11%
Sub-Total: Delivery (excluding pass through)			119.88			122.81	2.93	2.44%	35.73%	36.54%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.76%	2.82%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.75%	0.77%
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%	3.58%	3.66%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.07%	4.17%
Total Bill on Two-Tier RPP (before Taxes)			335.00			337.93	2.93	0.87%	98.33%	
HST		0.13	43.55		0.13	43.93	0.38	0.87%	12.78%	
Total Bill (including HST)			378.55			381.86	3.31	0.87%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.86		-0.10	-38.19	-0.33	0.87%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			340.70			343.68	2.98	0.87%	100.00%	
Total Bill on TOU (before Taxes)			327.56			330.49	2.93	0.89%		98.33%
HST		0.13	42.58		0.13	42.96	0.38	0.89%		12.78%
Total Bill (including HST)			370.15			373.46	3.31	0.89%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.01		-0.10	-37.35	-0.33	0.89%		-11.11%
Total Bill on TOU (including HST and OCEB)			333.13			336.11	2.98	0.89%		100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	10.20%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	10.20%	
TOU-Off Peak	64	0.067	4.29	64	0.067	4.29	0.00	0.00%		5.56%
TOU-Mid Peak	18	0.104	1.87	18	0.104	1.87	0.00	0.00%		2.43%
TOU-On Peak	18	0.124	2.23	18	0.124	2.23	0.00	0.00%		2.89%
Sub-Total: Energy (TOU)			8.39			8.39	0.00	0.00%	10.97%	10.88%
Service Charge	1	48.49	48.49	1	51.24	51.24	2.75	5.67%	66.99%	66.41%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	1.93	1.93	1	5.29	5.29	3.36	174.09%	6.92%	6.86%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.63%	0.62%
Distribution Volumetric Rate	100	0.0537	5.37	100	0.0564	5.64	0.27	5.03%	7.37%	7.31%
Volumetric Smoothing Rider	100	0.0013	0.13	100	0.0036	0.36	0.23	176.92%	0.47%	0.47%
Volumetric Deferral/Variance Account Rider	100	0.0002	0.02	100	0.0002	0.02	0.00	0.00%	0.03%	0.03%
Sub-Total: Distribution (excluding pass through)			56.42			63.03	6.61	11.72%	82.40%	81.69%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.03%	1.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.08	0.82	11	0.08	0.82	0.00	0.00%	1.07%	1.06%
Line Losses on Cost of Power (based on TOU prices)	11	0.08	0.88	11	0.08	0.88	0.00	0.00%	1.15%	1.14%
Sub-Total: Distribution (based on two-tier RPP prices)			58.03			64.64	6.61	11.39%	84.51%	83.78%
Sub-Total: Distribution (based on TOU prices)			58.09			64.70	6.61	11.38%	84.59%	83.86%
Retail Transmission Rate – Network Service Rate	111	0.0062	0.69	111	0.0062	0.69	0.00	0.00%	0.90%	0.89%
Retail Transmission Rate – Line and Transformation Connection Service Rate	111	0.0047	0.52	111	0.0047	0.52	0.00	0.00%	0.68%	0.67%
Sub-Total: Retail Transmission			1.20			1.20	0.00	0.00%	1.57%	1.56%
Sub-Total: Delivery (excluding pass through)			57.62			64.23	6.61	11.47%	83.98%	83.25%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.64%	0.63%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	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%	0.33%	0.32%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.14%	1.13%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	0.92%	0.91%
Total Bill on Two-Tier RPP (before Taxes)			68.60			75.21	6.61	9.64%	98.33%	
HST		0.13	8.92		0.13	9.78	0.86	9.64%	12.78%	
Total Bill (including HST)			77.52			84.99	7.47	9.64%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.75		-0.10	-8.50	-0.75	9.64%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			69.77			76.49	6.72	9.64%	100.00%	
Total Bill on TOU (before Taxes)			69.26			75.87	6.61	9.54%		98.33%
HST		0.13	9.00		0.13	9.86	0.86	9.54%	12.78%	
Total Bill (including HST)			78.26			85.73	7.47	9.54%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.83		-0.10	-8.57	-0.75	9.54%	-11.11%	
Total Bill on TOU (including HST and OCEB)			70.43			77.16	6.72	9.54%		100.00%

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	23.12%	
Energy Second Tier (kWh)	200	0.091	18.20	200	0.091	18.20	0.00	0.00%	8.99%	
Sub-Total: Energy (RPP)			65.00			65.00	0.00	0.00%	32.11%	
TOU-Off Peak	512	0.067	34.30	512	0.067	34.30	0.00	0.00%		16.82%
TOU-Mid Peak	144	0.104	14.98	144	0.104	14.98	0.00	0.00%		7.34%
TOU-On Peak	144	0.124	17.86	144	0.124	17.86	0.00	0.00%		8.75%
Sub-Total: Energy (TOU)			67.14			67.14	0.00	0.00%	33.17%	32.91%
Service Charge	1	48.49	48.49	1	51.24	51.24	2.75	5.67%	25.31%	25.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	1.93	1.93	1	5.29	5.29	3.36	174.09%	2.61%	2.59%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.24%	0.24%
Distribution Volumetric Rate	800	0.0537	42.96	800	0.0564	45.12	2.16	5.03%	22.29%	22.12%
Volumetric Smoothing Rider	800	0.0013	1.04	800	0.0036	2.88	1.84	176.92%	1.42%	1.41%
Volumetric Deferral/Variance Account Rider	800	0.0002	0.16	800	0.0002	0.16	0.00	0.00%	0.08%	0.08%
Sub-Total: Distribution (excluding pass through)			95.06			105.17	10.11	10.64%	51.96%	51.56%
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)	84	0.09	7.64	84	0.09	7.64	0.00	0.00%	3.78%	3.75%
Line Losses on Cost of Power (based on TOU prices)	84	0.08	7.05	84	0.08	7.05	0.00	0.00%	3.48%	3.46%
Sub-Total: Distribution (based on two-tier RPP prices)			103.49			113.60	10.11	9.77%	56.12%	55.69%
Sub-Total: Distribution (based on TOU prices)			102.90			113.01	10.11	9.83%	55.83%	55.40%
Retail Transmission Rate – Network Service Rate	884	0.0062	5.48	884	0.0062	5.48	0.00	0.00%	2.71%	2.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	884	0.0047	4.15	884	0.0047	4.15	0.00	0.00%	2.05%	2.04%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	4.76%	4.72%
Sub-Total: Delivery (excluding pass through)			104.70			114.81	10.11	9.66%	56.72%	56.28%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	1.92%	1.91%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	0.00	0.00%	0.52%	0.52%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.57%	2.55%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.77%	2.75%
Total Bill on Two-Tier RPP (before Taxes)			188.93			199.04	10.11	5.35%	98.33%	
HST		0.13	24.56		0.13	25.88	1.31	5.35%	12.78%	
Total Bill (including HST)			213.49			224.92	11.42	5.35%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.35		-0.10	-22.49	-1.14	5.35%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			192.14			202.42	10.28	5.35%	100.00%	
Total Bill on TOU (before Taxes)			190.47			200.58	10.11	5.31%		98.33%
HST		0.13	24.76		0.13	26.08	1.31	5.31%		12.78%
Total Bill (including HST)			215.23			226.66	11.42	5.31%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.52		-0.10	-22.67	-1.14	5.31%		-11.11%
Total Bill on TOU (including HST and OCEB)			193.71			203.99	10.28	5.31%		100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	10.90%	
Energy Second Tier (kWh)	1,400	0.091	127.40	1,400	0.091	127.40	0.00	0.00%	29.67%	
Sub-Total: Energy (RPP)			174.20			174.20	0.00	0.00%	40.57%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		20.35%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		8.88%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		10.59%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	39.09%	39.83%
Service Charge	1	48.49	48.49	1	51.24	51.24	2.75	5.67%	11.93%	12.16%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	1.93	1.93	1	5.29	5.29	3.36	174.09%	1.23%	1.26%
Fixed Deferral/Variance Account Rider	1	0.48	0.48	1	0.48	0.48	0.00	0.00%	0.11%	0.11%
Distribution Volumetric Rate	2,000	0.0537	107.40	2,000	0.0564	112.80	5.40	5.03%	26.27%	26.77%
Volumetric Smoothing Rider	2,000	0.0013	2.60	2,000	0.0036	7.20	4.60	176.92%	1.68%	1.71%
Volumetric Deferral/Variance Account Rider	2,000	0.0002	0.40	2,000	0.0002	0.40	0.00	0.00%	0.09%	0.09%
Sub-Total: Distribution (excluding pass through)			161.30			177.41	16.11	9.99%	41.32%	42.10%
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	0.09	19.11	210	0.09	19.11	0.00	0.00%	4.45%	4.53%
Line Losses on Cost of Power (based on TOU prices)	210	0.08	17.62	210	0.08	17.62	0.00	0.00%	4.10%	4.18%
Sub-Total: Distribution (based on two-tier RPP prices)			181.20			197.31	16.11	8.89%	45.95%	46.82%
Sub-Total: Distribution (based on TOU prices)			179.71			195.82	16.11	8.96%	45.60%	46.47%
Retail Transmission Rate – Network Service Rate	2,210	0.0062	13.70	2,210	0.0062	13.70	0.00	0.00%	3.19%	3.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,210	0.0047	10.39	2,210	0.0047	10.39	0.00	0.00%	2.42%	2.46%
Sub-Total: Retail Transmission			24.09			24.09	0.00	0.00%	5.61%	5.72%
Sub-Total: Delivery (excluding pass through)			185.39			201.50	16.11	8.69%	46.93%	47.81%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.26%	2.31%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	0.00	0.00%	0.62%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.63			12.63	0.00	0.00%	2.94%	3.00%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.26%	3.32%
Total Bill on Two-Tier RPP (before Taxes)			406.12			422.23	16.11	3.97%	98.33%	
HST		0.13	52.79		0.13	54.89	2.09	3.97%	12.78%	
Total Bill (including HST)			458.91			477.11	18.20	3.97%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.89		-0.10	-47.71	-1.82	3.97%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			413.02			429.40	16.38	3.97%	100.00%	
Total Bill on TOU (before Taxes)			398.27			414.38	16.11	4.05%		98.33%
HST		0.13	51.77		0.13	53.87	2.09	4.05%		12.78%
Total Bill (including HST)			450.04			468.25	18.20	4.05%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.00		-0.10	-46.82	-1.82	4.05%		-11.11%
Total Bill on TOU (including HST and OCEB)			405.04			421.42	16.38	4.05%		100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	8.21%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	8.21%	
TOU-Off Peak	32	0.067	2.14	32	0.067	2.14	0.00	0.00%		4.48%
TOU-Mid Peak	9	0.104	0.94	9	0.104	0.94	0.00	0.00%		1.96%
TOU-On Peak	9	0.124	1.12	9	0.124	1.12	0.00	0.00%		2.33%
Sub-Total: Energy (TOU)			4.20			4.20	0.00	0.00%	8.84%	8.78%
Service Charge	1	30.57	30.57	1	31.55	31.55	0.98	3.21%	66.45%	65.99%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.75	0.75	1	2.04	2.04	1.29	172.00%	4.30%	4.27%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.53%	0.52%
Distribution Volumetric Rate	50	0.1125	5.63	50	0.1181	5.91	0.28	4.98%	12.44%	12.35%
Volumetric Smoothing Rider	50	0.0027	0.14	50	0.0076	0.38	0.25	181.48%	0.80%	0.79%
Volumetric Deferral/Variance Account Rider	50	0.0006	0.03	50	0.0006	0.03	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			37.36			40.16	2.80	7.48%	84.58%	83.99%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.66%	1.65%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.08	0.41	5	0.08	0.41	0.00	0.00%	0.85%	0.85%
Line Losses on Cost of Power (based on TOU prices)	5	0.08	0.44	5	0.08	0.44	0.00	0.00%	0.92%	0.91%
Sub-Total: Distribution (based on two-tier RPP prices)			38.56			41.35	2.80	7.25%	87.09%	86.49%
Sub-Total: Distribution (based on TOU prices)			38.59			41.38	2.80	7.24%	87.16%	86.55%
Retail Transmission Rate – Network Service Rate	55	0.005	0.28	55	0.005	0.28	0.00	0.00%	0.58%	0.58%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0045	0.25	55	0.0045	0.25	0.00	0.00%	0.52%	0.52%
Sub-Total: Retail Transmission			0.52			0.52	0.00	0.00%	1.10%	1.10%
Sub-Total: Delivery (excluding pass through)			37.88			40.68	2.80	7.38%	85.68%	85.09%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.51%	0.51%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.14%	0.14%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.53%	0.52%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.18%	1.17%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.74%	0.73%
Total Bill on Two-Tier RPP (before Taxes)			43.89			46.68	2.80	6.37%	98.33%	
HST		0.13	5.71		0.13	6.07	0.36	6.37%	12.78%	
Total Bill (including HST)			49.59			52.75	3.16	6.37%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.96		-0.10	-5.28	-0.32	6.37%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			44.64			47.48	2.84	6.37%	100.00%	
Total Bill on TOU (before Taxes)			44.22			47.01	2.80	6.32%		98.33%
HST		0.13	5.75		0.13	6.11	0.36	6.32%		12.78%
Total Bill (including HST)			49.96			53.12	3.16	6.32%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.00		-0.10	-5.31	-0.32	6.32%		-11.11%
Total Bill on TOU (including HST and OCEB)			44.97			47.81	2.84	6.32%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	31.20	400	0.078	31.20	0.00	0.00%	23.72%	
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			31.20			31.20	0.00	0.00%	23.72%	
TOU-Off Peak	256	0.067	17.15	256	0.067	17.15	0.00	0.00%		12.78%
TOU-Mid Peak	72	0.104	7.49	72	0.104	7.49	0.00	0.00%		5.58%
TOU-On Peak	72	0.124	8.93	72	0.124	8.93	0.00	0.00%		6.65%
Sub-Total: Energy (TOU)			33.57			33.57	0.00	0.00%	25.52%	25.02%
Service Charge	1	30.57	30.57	1	31.55	31.55	0.98	3.21%	23.99%	23.51%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.75	0.75	1	2.04	2.04	1.29	172.00%	1.55%	1.52%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.19%
Distribution Volumetric Rate	400	0.1125	45.00	400	0.1181	47.24	2.24	4.98%	35.92%	35.21%
Volumetric Smoothing Rider	400	0.0027	1.08	400	0.0076	3.04	1.96	181.48%	2.31%	2.27%
Volumetric Deferral/Variance Account Rider	400	0.0006	0.24	400	0.0006	0.24	0.00	0.00%	0.18%	0.18%
Sub-Total: Distribution (excluding pass through)			77.89			84.36	6.47	8.31%	64.15%	62.88%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.60%	0.59%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.08	3.24	42	0.08	3.24	0.00	0.00%	2.47%	2.42%
Line Losses on Cost of Power (based on TOU prices)	42	0.08	3.49	42	0.08	3.49	0.00	0.00%	2.65%	2.60%
Sub-Total: Distribution (based on two-tier RPP prices)			81.92			88.39	6.47	7.90%	67.21%	65.88%
Sub-Total: Distribution (based on TOU prices)			82.17			88.64	6.47	7.87%	67.40%	66.07%
Retail Transmission Rate – Network Service Rate	442	0.005	2.21	442	0.005	2.21	0.00	0.00%	1.68%	1.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	442	0.0045	1.99	442	0.0045	1.99	0.00	0.00%	1.51%	1.48%
Sub-Total: Retail Transmission			4.20			4.20	0.00	0.00%	3.19%	3.13%
Sub-Total: Delivery (excluding pass through)			82.09			88.56	6.47	7.88%	67.34%	66.00%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.48%	1.45%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.40%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.19%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.07%	2.03%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.13%	2.09%
Total Bill on Two-Tier RPP (before Taxes)			122.84			129.31	6.47	5.27%	98.33%	
HST		0.13	15.97		0.13	16.81	0.84	5.27%	12.78%	
Total Bill (including HST)			138.81			146.12	7.31	5.27%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.88		-0.10	-14.61	-0.73	5.27%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			124.93			131.51	6.58	5.27%	100.00%	
Total Bill on TOU (before Taxes)			125.46			131.93	6.47	5.16%		98.33%
HST		0.13	16.31		0.13	17.15	0.84	5.16%		12.78%
Total Bill (including HST)			141.77			149.08	7.31	5.16%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.18		-0.10	-14.91	-0.73	5.16%		-11.11%
Total Bill on TOU (including HST and OCEB)			127.59			134.17	6.58	5.16%		100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	46.80	600	0.078	46.80	0.00	0.00%	16.58%	
Energy Second Tier (kWh)	400	0.091	36.40	400	0.091	36.40	0.00	0.00%	12.90%	
Sub-Total: Energy (RPP)			83.20			83.20	0.00	0.00%	29.48%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		15.19%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		6.63%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		7.91%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	29.73%	29.74%
Service Charge	1	30.57	30.57	1	31.55	31.55	0.98	3.21%	11.18%	11.18%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.75	0.75	1	2.04	2.04	1.29	172.00%	0.72%	0.72%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
Distribution Volumetric Rate	1,000	0.1125	112.50	1,000	0.1181	118.10	5.60	4.98%	41.84%	41.85%
Volumetric Smoothing Rider	1,000	0.0027	2.70	1,000	0.0076	7.60	4.90	181.48%	2.69%	2.69%
Volumetric Deferral/Variance Account Rider	1,000	0.0006	0.60	1,000	0.0006	0.60	0.00	0.00%	0.21%	0.21%
Sub-Total: Distribution (excluding pass through)			147.37			160.14	12.77	8.67%	56.74%	56.74%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.28%	0.28%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.09	9.46	104	0.09	9.46	0.00	0.00%	3.35%	3.35%
Line Losses on Cost of Power (based on TOU prices)	104	0.08	8.73	104	0.08	8.73	0.00	0.00%	3.09%	3.09%
Sub-Total: Distribution (based on two-tier RPP prices)			157.62			170.39	12.77	8.10%	60.37%	60.38%
Sub-Total: Distribution (based on TOU prices)			156.89			169.66	12.77	8.14%	60.11%	60.12%
Retail Transmission Rate – Network Service Rate	1,104	0.005	5.52	1,104	0.005	5.52	0.00	0.00%	1.96%	1.96%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,104	0.0045	4.97	1,104	0.0045	4.97	0.00	0.00%	1.76%	1.76%
Sub-Total: Retail Transmission			10.49			10.49	0.00	0.00%	3.72%	3.72%
Sub-Total: Delivery (excluding pass through)			157.86			170.63	12.77	8.09%	60.46%	60.46%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.72%	1.72%
Rural Rate Protection Charge	1,104	0.0012	1.32	1,104	0.0012	1.32	0.00	0.00%	0.47%	0.47%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%	0.09%
Sub-Total: Regulatory			6.43			6.43	0.00	0.00%	2.28%	2.28%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.48%	2.48%
Total Bill on Two-Tier RPP (before Taxes)			264.74			277.51	12.77	4.82%	98.33%	
HST		0.13	34.42		0.13	36.08	1.66	4.82%	12.78%	
Total Bill (including HST)			299.16			313.59	14.43	4.82%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-29.92		-0.10	-31.36	-1.44	4.82%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			269.25			282.23	12.99	4.82%	100.00%	
Total Bill on TOU (before Taxes)			264.73			277.50	12.77	4.82%		98.33%
HST		0.13	34.41		0.13	36.07	1.66	4.82%		12.78%
Total Bill (including HST)			299.14			313.57	14.43	4.82%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-29.91		-0.10	-31.36	-1.44	4.82%		-11.11%
Total Bill on TOU (including HST and OCEB)			269.23			282.22	12.99	4.82%		100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	26.24%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	10.21%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	36.45%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		19.06%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		8.32%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		9.92%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	37.65%	37.31%
Service Charge	1	31.87	31.87	1	32.47	32.47	0.60	1.88%	14.57%	14.44%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.78	0.78	1	2.10	2.10	1.32	169.23%	0.94%	0.93%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.11%	0.11%
Distribution Volumetric Rate	1,000	0.0632	63.20	1,000	0.0653	65.30	2.10	3.32%	29.29%	29.03%
Volumetric Smoothing Rider	1,000	0.0015	1.50	1,000	0.0042	4.20	2.70	180.00%	1.88%	1.87%
Volumetric Deferral/Variance Account Rider	1,000	0.0003	0.30	1,000	0.0003	0.30	0.00	0.00%	0.13%	0.13%
Sub-Total: Distribution (excluding pass through)			97.90			104.61	6.71	6.85%	46.93%	46.51%
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	0.09	8.74	96	0.09	8.74	0.00	0.00%	3.92%	3.88%
Line Losses on Cost of Power (based on TOU prices)	96	0.08	8.06	96	0.08	8.06	0.00	0.00%	3.61%	3.58%
Sub-Total: Distribution (based on two-tier RPP prices)			107.43			114.14	6.71	6.25%	51.20%	50.74%
Sub-Total: Distribution (based on TOU prices)			106.75			113.46	6.71	6.29%	50.90%	50.44%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	2.85%	2.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,096	0.0037	4.06	1,096	0.0037	4.06	0.00	0.00%	1.82%	1.80%
Sub-Total: Retail Transmission			10.41			10.41	0.00	0.00%	4.67%	4.63%
Sub-Total: Delivery (excluding pass through)			108.31			115.02	6.71	6.20%	51.60%	51.14%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.16%	2.14%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.59%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	2.87%	2.84%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.14%	3.11%
Total Bill on Two-Tier RPP (before Taxes)			212.48			219.19	6.71	3.16%	98.33%	
HST		0.13	27.62		0.13	28.49	0.87	3.16%	12.78%	
Total Bill (including HST)			240.10			247.68	7.58	3.16%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.01		-0.10	-24.77	-0.76	3.16%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			216.09			222.91	6.82	3.16%	100.00%	
Total Bill on TOU (before Taxes)			214.47			221.18	6.71	3.13%		98.33%
HST		0.13	27.88		0.13	28.75	0.87	3.13%		12.78%
Total Bill (including HST)			242.35			249.93	7.58	3.13%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.23		-0.10	-24.99	-0.76	3.13%		-11.11%
Total Bill on TOU (including HST and OCEB)			218.11			224.94	6.82	3.13%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	13.95%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	27.13%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	41.08%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		20.74%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		9.06%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		10.80%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	40.03%	40.60%
Service Charge	1	31.87	31.87	1	32.47	32.47	0.60	1.88%	7.74%	7.85%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.78	0.78	1	2.10	2.10	1.32	169.23%	0.50%	0.51%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.06%	0.06%
Distribution Volumetric Rate	2,000	0.0632	126.40	2,000	0.0653	130.60	4.20	3.32%	31.15%	31.59%
Volumetric Smoothing Rider	2,000	0.0015	3.00	2,000	0.0042	8.40	5.40	180.00%	2.00%	2.03%
Volumetric Deferral/Variance Account Rider	2,000	0.0003	0.60	2,000	0.0003	0.60	0.00	0.00%	0.14%	0.15%
Sub-Total: Distribution (excluding pass through)			162.90			174.41	11.51	7.07%	41.60%	42.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.19%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.09	17.47	192	0.09	17.47	0.00	0.00%	4.17%	4.23%
Line Losses on Cost of Power (based on TOU prices)	192	0.08	16.11	192	0.08	16.11	0.00	0.00%	3.84%	3.90%
Sub-Total: Distribution (based on two-tier RPP prices)			181.16			192.67	11.51	6.35%	45.95%	46.61%
Sub-Total: Distribution (based on TOU prices)			179.80			191.31	11.51	6.40%	45.63%	46.28%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	3.03%	3.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,192	0.0037	8.11	2,192	0.0037	8.11	0.00	0.00%	1.93%	1.96%
Sub-Total: Retail Transmission			20.82			20.82	0.00	0.00%	4.97%	5.04%
Sub-Total: Delivery (excluding pass through)			183.72			195.23	11.51	6.26%	46.56%	47.23%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.30%	2.33%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.63%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.53			12.53	0.00	0.00%	2.99%	3.03%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.34%	3.39%
Total Bill on Two-Tier RPP (before Taxes)			400.76			412.27	11.51	2.87%	98.33%	
HST		0.13	52.10		0.13	53.60	1.50	2.87%	12.78%	
Total Bill (including HST)			452.86			465.87	13.01	2.87%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.29		-0.10	-46.59	-1.30	2.87%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			407.57			419.28	11.71	2.87%	100.00%	
Total Bill on TOU (before Taxes)			394.99			406.50	11.51	2.91%		98.33%
HST		0.13	51.35		0.13	52.85	1.50	2.91%		12.78%
Total Bill (including HST)			446.34			459.35	13.01	2.91%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.63		-0.10	-45.93	-1.30	2.91%		-11.11%
Total Bill on TOU (including HST and OCEB)			401.71			413.41	11.71	2.91%		100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	1.81%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	40.10%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	41.91%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		20.65%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		9.01%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		10.75%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	38.93%	40.41%
Service Charge	1	31.87	31.87	1	32.47	32.47	0.60	1.88%	1.00%	1.04%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.78	0.78	1	2.10	2.10	1.32	169.23%	0.06%	0.07%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0632	948.00	15,000	0.0653	979.50	31.50	3.32%	30.29%	31.45%
Volumetric Smoothing Rider	15,000	0.0015	22.50	15,000	0.0042	63.00	40.50	180.00%	1.95%	2.02%
Volumetric Deferral/Variance Account Rider	15,000	0.0003	4.50	15,000	0.0003	4.50	0.00	0.00%	0.14%	0.14%
Sub-Total: Distribution (excluding pass through)			1,007.90			1,081.81	73.91	7.33%	33.45%	34.73%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.09	131.04	1,440	0.09	131.04	0.00	0.00%	4.05%	4.21%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.08	120.84	1,440	0.08	120.84	0.00	0.00%	3.74%	3.88%
Sub-Total: Distribution (based on two-tier RPP prices)			1,139.73			1,213.64	73.91	6.48%	37.53%	38.96%
Sub-Total: Distribution (based on TOU prices)			1,129.53			1,203.44	73.91	6.54%	37.21%	38.63%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	2.95%	3.06%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,440	0.0037	60.83	16,440	0.0037	60.83	0.00	0.00%	1.88%	1.95%
Sub-Total: Retail Transmission			156.18			156.18	0.00	0.00%	4.83%	5.01%
Sub-Total: Delivery (excluding pass through)			1,164.08			1,237.99	73.91	6.35%	38.28%	39.74%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.24%	2.32%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.61%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			92.31			92.31	0.00	0.00%	2.85%	2.96%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.25%	3.37%
Total Bill on Two-Tier RPP (before Taxes)			2,848.47			2,922.38	73.91	2.59%	90.37%	
HST		0.13	370.30		0.13	379.91	9.61	2.59%	11.75%	
Total Bill (including HST)			3,218.78			3,302.29	83.52	2.59%	102.12%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-66.56		-0.10	-68.41	-1.84	2.77%	-2.12%	
Total Bill on Two-Tier RPP (including HST and OCEB)			3,152.21			3,233.89	81.68	2.59%	100.00%	
Total Bill on TOU (before Taxes)			2,741.83			2,815.74	73.91	2.70%		90.40%
HST		0.13	356.44		0.13	366.05	9.61	2.70%		11.75%
Total Bill (including HST)			3,098.27			3,181.78	83.52	2.70%		102.15%
Ontario Clean Energy Benefit (OCEB)		-0.10	-65.03		-0.10	-66.88	-1.84	2.83%		-2.15%
Total Bill on TOU (including HST and OCEB)			3,033.23			3,114.91	81.68	2.69%		100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	32.69%	
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	12.71%	
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	45.40%	
TOU-Off Peak	640	0.067	42.88	640	0.067	42.88	0.00	0.00%		23.66%
TOU-Mid Peak	180	0.104	18.72	180	0.104	18.72	0.00	0.00%		10.33%
TOU-On Peak	180	0.124	22.32	180	0.124	22.32	0.00	0.00%		12.32%
Sub-Total: Energy (TOU)			83.92			83.92	0.00	0.00%	46.89%	46.31%
Service Charge	1	26.66	26.66	1	27.82	27.82	1.16	4.35%	15.54%	15.35%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.65	0.65	1	1.80	1.80	1.15	176.92%	1.01%	0.99%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.22	0.22	0.00	0.00%	0.12%	0.12%
Distribution Volumetric Rate	1,000	0.0302	30.20	1,000	0.0318	31.80	1.60	5.30%	17.77%	17.55%
Volumetric Smoothing Rider	1,000	0.0007	0.70	1,000	0.0021	2.10	1.40	200.00%	1.17%	1.16%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			58.53			63.84	5.31	9.07%	35.67%	35.23%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.44%	0.44%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.09	6.10	67	0.09	6.10	0.00	0.00%	3.41%	3.36%
Line Losses on Cost of Power (based on TOU prices)	67	0.08	5.62	67	0.08	5.62	0.00	0.00%	3.14%	3.10%
Sub-Total: Distribution (based on two-tier RPP prices)			65.42			70.73	5.31	8.12%	39.52%	39.03%
Sub-Total: Distribution (based on TOU prices)			64.94			70.25	5.31	8.18%	39.25%	38.77%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.70%	3.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,067	0.0039	4.16	1,067	0.0039	4.16	0.00	0.00%	2.33%	2.30%
Sub-Total: Retail Transmission			10.78			10.78	0.00	0.00%	6.02%	5.95%
Sub-Total: Delivery (excluding pass through)			69.31			74.62	5.31	7.66%	41.69%	41.18%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.62%	2.59%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	0.00	0.00%	0.72%	0.71%
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			6.23			6.23	0.00	0.00%	3.48%	3.44%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.91%	3.86%
Total Bill on Two-Tier RPP (before Taxes)			170.67			175.98	5.31	3.11%	98.33%	
HST		0.13	22.19		0.13	22.88	0.69	3.11%	12.78%	
Total Bill (including HST)			192.86			198.86	6.00	3.11%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.29		-0.10	-19.89	-0.60	3.11%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			173.57			178.97	5.40	3.11%	100.00%	
Total Bill on TOU (before Taxes)			172.86			178.17	5.31	3.07%		98.33%
HST		0.13	22.47		0.13	23.16	0.69	3.07%		12.78%
Total Bill (including HST)			195.34			201.34	6.00	3.07%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.53		-0.10	-20.13	-0.60	3.07%		-11.11%
Total Bill on TOU (including HST and OCEB)			175.80			181.20	5.40	3.07%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	17.39%	
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	33.81%	
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	51.20%	
TOU-Off Peak	1,280	0.067	85.76	1,280	0.067	85.76	0.00	0.00%		25.91%
TOU-Mid Peak	360	0.104	37.44	360	0.104	37.44	0.00	0.00%		11.31%
TOU-On Peak	360	0.124	44.64	360	0.124	44.64	0.00	0.00%		13.49%
Sub-Total: Energy (TOU)			167.84			167.84	0.00	0.00%	49.89%	50.71%
Service Charge	1	26.66	26.66	1	27.82	27.82	1.16	4.35%	8.27%	8.40%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.65	0.65	1	1.80	1.80	1.15	176.92%	0.53%	0.54%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.22	0.22	0.00	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0302	60.40	2,000	0.0318	63.60	3.20	5.30%	18.90%	19.21%
Volumetric Smoothing Rider	2,000	0.0007	1.40	2,000	0.0021	4.20	2.80	200.00%	1.25%	1.27%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			89.53			97.84	8.31	9.28%	29.08%	29.56%
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)	134	0.09	12.19	134	0.09	12.19	0.00	0.00%	3.62%	3.68%
Line Losses on Cost of Power (based on TOU prices)	134	0.08	11.25	134	0.08	11.25	0.00	0.00%	3.34%	3.40%
Sub-Total: Distribution (based on two-tier RPP prices)			102.51			110.82	8.31	8.11%	32.94%	33.48%
Sub-Total: Distribution (based on TOU prices)			101.57			109.88	8.31	8.18%	32.66%	33.19%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	3.93%	4.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,134	0.0039	8.32	2,134	0.0039	8.32	0.00	0.00%	2.47%	2.51%
Sub-Total: Retail Transmission			21.55			21.55	0.00	0.00%	6.41%	6.51%
Sub-Total: Delivery (excluding pass through)			111.08			119.39	8.31	7.48%	35.49%	36.07%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.79%	2.84%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	0.00	0.00%	0.76%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.08%
Sub-Total: Regulatory			12.20			12.20	0.00	0.00%	3.63%	3.69%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.16%	4.23%
Total Bill on Two-Tier RPP (before Taxes)			322.52			330.83	8.31	2.58%	98.33%	
HST		0.13	41.93		0.13	43.01	1.08	2.58%	12.78%	
Total Bill (including HST)			364.45			373.84	9.39	2.58%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.44		-0.10	-37.38	-0.94	2.58%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			328.00			336.45	8.45	2.58%	100.00%	
Total Bill on TOU (before Taxes)			317.16			325.47	8.31	2.62%		98.33%
HST		0.13	41.23		0.13	42.31	1.08	2.62%		12.78%
Total Bill (including HST)			358.39			367.78	9.39	2.62%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.84		-0.10	-36.78	-0.94	2.62%		-11.11%
Total Bill on TOU (including HST and OCEB)			322.55			331.00	8.45	2.62%		100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	2.26%	
Energy Second Tier (kWh)	14,250	0.091	1,296.75	14,250	0.091	1,296.75	0.00	0.00%	50.00%	
Sub-Total: Energy (RPP)			1,355.25			1,355.25	0.00	0.00%	52.25%	
TOU-Off Peak	9,600	0.067	643.20	9,600	0.067	643.20	0.00	0.00%		25.96%
TOU-Mid Peak	2,700	0.104	280.80	2,700	0.104	280.80	0.00	0.00%		11.33%
TOU-On Peak	2,700	0.124	334.80	2,700	0.124	334.80	0.00	0.00%		13.51%
Sub-Total: Energy (TOU)			1,258.80			1,258.80	0.00	0.00%	48.53%	50.80%
Service Charge	1	26.66	26.66	1	27.82	27.82	1.16	4.35%	1.07%	1.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.65	0.65	1	1.80	1.80	1.15	176.92%	0.07%	0.07%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.22	0.22	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0302	453.00	15,000	0.0318	477.00	24.00	5.30%	18.39%	19.25%
Volumetric Smoothing Rider	15,000	0.0007	10.50	15,000	0.0021	31.50	21.00	200.00%	1.21%	1.27%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			492.53			539.84	47.31	9.61%	20.81%	21.78%
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	0.09	91.46	1,005	0.09	91.46	0.00	0.00%	3.53%	3.69%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.08	84.34	1,005	0.08	84.34	0.00	0.00%	3.25%	3.40%
Sub-Total: Distribution (based on two-tier RPP prices)			584.78			632.09	47.31	8.09%	24.37%	25.51%
Sub-Total: Distribution (based on TOU prices)			577.66			624.97	47.31	8.19%	24.10%	25.22%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.83%	4.00%
Retail Transmission Rate – Line and Transformation Connection Service Rate	16,005	0.0039	62.42	16,005	0.0039	62.42	0.00	0.00%	2.41%	2.52%
Sub-Total: Retail Transmission			161.65			161.65	0.00	0.00%	6.23%	6.52%
Sub-Total: Delivery (excluding pass through)			654.18			701.49	47.31	7.23%	27.05%	28.31%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.72%	2.84%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.74%	0.78%
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			89.88			89.88	0.00	0.00%	3.47%	3.63%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.05%	4.24%
Total Bill on Two-Tier RPP (before Taxes)			2,296.55			2,343.86	47.31	2.06%	90.37%	
HST		0.13	298.55		0.13	304.70	6.15	2.06%	11.75%	
Total Bill (including HST)			2,595.11			2,648.57	53.46	2.06%	102.12%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-53.60		-0.10	-54.88	-1.28	2.38%	-2.12%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,541.50			2,593.68	52.18	2.05%	100.00%	
Total Bill on TOU (before Taxes)			2,192.99			2,240.30	47.31	2.16%		90.40%
HST		0.13	285.09		0.13	291.24	6.15	2.16%		11.75%
Total Bill (including HST)			2,478.08			2,531.54	53.46	2.16%		102.16%
Ontario Clean Energy Benefit (OCEB)		-0.10	-52.14		-0.10	-53.42	-1.28	2.45%		-2.16%
Total Bill on TOU (including HST and OCEB)			2,425.93			2,478.11	52.18	2.15%		100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	26.82%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	26.82%
Service Charge	1	4.83	4.83	1	5.03	5.03	0.20	4.14%	17.30%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.12	0.12	1	0.33	0.33	0.21	175.00%	1.13%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.10%
Distribution Volumetric Rate	100	0.1104	11.04	100	0.1153	11.53	0.49	4.44%	39.65%
Volumetric Smoothing Rider	100	0.0027	0.27	100	0.0075	0.75	0.48	177.78%	2.58%
Volumetric Deferral/Variance Account Rider	100	0.0005	0.05	100	0.0005	0.05	0.00	0.00%	0.17%
Sub-Total: Distribution (excluding pass through)			16.34			17.72	1.38	8.45%	60.93%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	2.47%
Sub-Total: Distribution			17.06			18.44	1.38	8.09%	63.40%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.46%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0034	0.37	109	0.0034	0.37	0.00	0.00%	1.28%
Sub-Total: Retail Transmission			0.80			0.80	0.00	0.00%	2.74%
Sub-Total: Delivery (excluding pass through)			17.14			18.52	1.38	8.05%	63.67%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.65%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.86%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	2.96%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.41%
Total Bill on Two-Tier RPP (before Taxes)			27.22			28.60	1.38	5.07%	98.33%
HST		0.13	3.54		0.13	3.72	0.18	5.07%	12.78%
Total Bill (including HST)			30.75			32.31	1.56	5.07%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.08		-0.10	-3.23	-0.16	5.07%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			27.68			29.08	1.40	5.07%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	31.84%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	31.84%
Service Charge	1	4.83	4.83	1	5.03	5.03	0.20	4.14%	4.11%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.12	0.12	1	0.33	0.33	0.21	175.00%	0.27%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.02%
Distribution Volumetric Rate	500	0.1104	55.20	500	0.1153	57.65	2.45	4.44%	47.07%
Volumetric Smoothing Rider	500	0.0027	1.35	500	0.0075	3.75	2.40	177.78%	3.06%
Volumetric Deferral/Variance Account Rider	500	0.0005	0.25	500	0.0005	0.25	0.00	0.00%	0.20%
Sub-Total: Distribution (excluding pass through)			61.78			67.04	5.26	8.51%	54.74%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	2.93%
Sub-Total: Distribution			65.37			70.63	5.26	8.05%	57.67%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.74%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0034	1.86	546	0.0034	1.86	0.00	0.00%	1.52%
Sub-Total: Retail Transmission			3.99			3.99	0.00	0.00%	3.25%
Sub-Total: Delivery (excluding pass through)			65.77			71.03	5.26	8.00%	58.00%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	1.96%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.20%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	2.70%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.86%
Total Bill on Two-Tier RPP (before Taxes)			115.16			120.42	5.26	4.57%	98.33%
HST		0.13	14.97		0.13	15.65	0.68	4.57%	12.78%
Total Bill (including HST)			130.13			136.08	5.94	4.57%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.01		-0.10	-13.61	-0.59	4.57%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			117.12			122.47	5.35	4.57%	100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	11.90%
Energy Second Tier (kWh)	1,250	0.091	113.75	1,250	0.091	113.75	0.00	0.00%	23.14%
Sub-Total: Energy (RPP)			172.25			172.25	0.00	0.00%	35.04%
Service Charge	1	4.83	4.83	1	5.03	5.03	0.20	4.14%	1.02%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.12	0.12	1	0.33	0.33	0.21	175.00%	0.07%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.1104	220.80	2,000	0.1153	230.60	9.80	4.44%	46.91%
Volumetric Smoothing Rider	2,000	0.0027	5.40	2,000	0.0075	15.00	9.60	177.78%	3.05%
Volumetric Deferral/Variance Account Rider	2,000	0.0005	1.00	2,000	0.0005	1.00	0.00	0.00%	0.20%
Sub-Total: Distribution (excluding pass through)			232.18			251.99	19.81	8.53%	51.26%
Line Losses on Cost of Power	184	0.09	16.74	184	0.09	16.74	0.00	0.00%	3.41%
Sub-Total: Distribution			248.92			268.73	19.81	7.96%	54.66%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.73%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,184	0.0034	7.43	2,184	0.0034	7.43	0.00	0.00%	1.51%
Sub-Total: Retail Transmission			15.94			15.94	0.00	0.00%	3.24%
Sub-Total: Delivery (excluding pass through)			248.12			267.93	19.81	7.98%	54.50%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	1.95%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,184	0.0012	2.62	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%	0.05%
Sub-Total: Regulatory			12.48			12.48	0.00	0.00%	2.54%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.85%
Total Bill on Two-Tier RPP (before Taxes)			463.60			483.41	19.81	4.27%	98.33%
HST		0.13	60.27		0.13	62.84	2.58	4.27%	12.78%
Total Bill (including HST)			523.87			546.25	22.39	4.27%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-52.39		-0.10	-54.63	-2.24	4.27%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			471.48			491.63	20.15	4.27%	100.00%

2019 Bill Impacts (Low Consumption Level)

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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	0.078	1.56	20	0.078	1.56	0.00	0.00%	14.84%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.56			1.56	0.00	0.00%	14.84%
Service Charge	1	3.53	3.53	1	3.83	3.83	0.30	8.50%	36.45%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.09	0.09	1	0.25	0.25	0.16	177.78%	2.38%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.19%
Distribution Volumetric Rate	20	0.1681	3.36	20	0.1804	3.61	0.25	7.32%	34.33%
Volumetric Smoothing Rider	20	0.0041	0.08	20	0.0117	0.23	0.15	185.37%	2.23%
Volumetric Deferral/Variance Account Rider	20	0.0008	0.02	20	0.0008	0.02	0.00	0.00%	0.15%
Sub-Total: Distribution (excluding pass through)			7.10			7.96	0.86	12.08%	75.73%
Line Losses on Cost of Power	2	0.08	0.14	2	0.08	0.14	0.00	0.00%	1.37%
Sub-Total: Distribution			7.24			8.10	0.86	11.85%	77.09%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	0.81%
Retail Transmission Rate – Line and Transformation Connection Service Rate	22	0.0034	0.07	22	0.0034	0.07	0.00	0.00%	0.71%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.52%
Sub-Total: Delivery (excluding pass through)			7.26			8.12	0.86	11.82%	77.24%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	0.91%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	0.00	0.00%	0.25%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.38%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	3.54%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.33%
Total Bill on Two-Tier RPP (before Taxes)			9.48			10.33	0.86	9.06%	98.33%
HST		0.13	1.23		0.13	1.34	0.11	9.06%	12.78%
Total Bill (including HST)			10.71			11.68	0.97	9.06%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.07		-0.10	-1.17	-0.10	9.06%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			9.64			10.51	0.87	9.06%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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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	0.078	3.90	50	0.078	3.90	0.00	0.00%	19.86%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3.90			3.90	0.00	0.00%	19.86%
Service Charge	1	3.53	3.53	1	3.83	3.83	0.30	8.50%	19.50%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.09	0.09	1	0.25	0.25	0.16	177.78%	1.27%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.10%
Distribution Volumetric Rate	50	0.1681	8.41	50	0.1804	9.02	0.62	7.32%	45.94%
Volumetric Smoothing Rider	50	0.0041	0.21	50	0.0117	0.59	0.38	185.37%	2.98%
Volumetric Deferral/Variance Account Rider	50	0.0008	0.04	50	0.0008	0.04	0.00	0.00%	0.20%
Sub-Total: Distribution (excluding pass through)			12.29			13.75	1.46	11.84%	70.00%
Line Losses on Cost of Power	5	0.08	0.36	5	0.08	0.36	0.00	0.00%	1.83%
Sub-Total: Distribution			12.65			14.10	1.46	11.50%	71.82%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.08%
Retail Transmission Rate – Line and Transformation Connection Service Rate	55	0.0034	0.19	55	0.0034	0.19	0.00	0.00%	0.95%
Sub-Total: Retail Transmission			0.40			0.40	0.00	0.00%	2.03%
Sub-Total: Delivery (excluding pass through)			12.69			14.14	1.46	11.47%	72.03%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.22%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.33%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.27%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	2.83%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	1.78%
Total Bill on Two-Tier RPP (before Taxes)			17.85			19.31	1.46	8.15%	98.33%
HST		0.13	2.32		0.13	2.51	0.19	8.15%	12.78%
Total Bill (including HST)			20.17			21.82	1.64	8.15%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.02		-0.10	-2.18	-0.16	8.15%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			18.16			19.64	1.48	8.15%	100.00%

2019 Bill Impacts (High Consumption Level)

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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	0.078	15.60	200	0.078	15.60	0.00	0.00%	23.90%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15.60			15.60	0.00	0.00%	23.90%
Service Charge	1	3.53	3.53	1	3.83	3.83	0.30	8.50%	5.87%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.09	0.09	1	0.25	0.25	0.16	177.78%	0.38%
Fixed Deferral/Variance Account Rider	1	0.02	0.02	1	0.02	0.02	0.00	0.00%	0.03%
Distribution Volumetric Rate	200	0.1681	33.62	200	0.1804	36.08	2.46	7.32%	55.27%
Volumetric Smoothing Rider	200	0.0041	0.82	200	0.0117	2.34	1.52	185.37%	3.58%
Volumetric Deferral/Variance Account Rider	200	0.0008	0.16	200	0.0008	0.16	0.00	0.00%	0.25%
Sub-Total: Distribution (excluding pass through)			38.24			42.68	4.44	11.61%	65.39%
Line Losses on Cost of Power	18	0.08	1.44	18	0.08	1.44	0.00	0.00%	2.20%
Sub-Total: Distribution			39.68			44.12	4.44	11.19%	67.58%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	218	0.0034	0.74	218	0.0034	0.74	0.00	0.00%	1.14%
Sub-Total: Retail Transmission			1.59			1.59	0.00	0.00%	2.44%
Sub-Total: Delivery (excluding pass through)			39.83			44.27	4.44	11.15%	67.83%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.47%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	0.00	0.00%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.38%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	2.26%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.14%
Total Bill on Two-Tier RPP (before Taxes)			59.74			64.18	4.44	7.43%	98.33%
HST		0.13	7.77		0.13	8.34	0.58	7.43%	12.78%
Total Bill (including HST)			67.51			72.53	5.02	7.43%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.75		-0.10	-7.25	-0.50	7.43%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			60.76			65.27	4.52	7.43%	100.00%

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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	0.078	7.80	100	0.078	7.80	0.00	0.00%	14.14%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			7.80			7.80	0.00	0.00%	14.14%
Service Charge	1	38	38.00	1	37.47	37.47	-0.53	-1.39%	67.94%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.93	0.93	1	2.43	2.43	1.50	161.29%	4.41%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.40%
Distribution Volumetric Rate	100	0.0301	3.01	100	0.0297	2.97	-0.04	-1.33%	5.38%
Volumetric Smoothing Rider	100	0.0007	0.07	100	0.0019	0.19	0.12	171.43%	0.34%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.02%
Sub-Total: Distribution (excluding pass through)			42.25			43.29	1.04	2.46%	78.49%
Line Losses on Cost of Power	9	0.08	0.72	9	0.08	0.72	0.00	0.00%	1.30%
Sub-Total: Distribution			42.97			44.01	1.04	2.42%	79.79%
Retail Transmission Rate – Network Service Rate	109	0.0047	0.51	109	0.0047	0.51	0.00	0.00%	0.93%
Retail Transmission Rate – Line and Transformation Connection Service Rate	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	0.63%
Sub-Total: Retail Transmission			0.86			0.86	0.00	0.00%	1.56%
Sub-Total: Delivery (excluding pass through)			43.11			44.15	1.04	2.41%	80.05%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.87%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.24%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.56%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.27%
Total Bill on Two-Tier RPP (before Taxes)			53.19			54.23	1.04	1.96%	98.33%
HST		0.13	6.91		0.13	7.05	0.14	1.96%	12.78%
Total Bill (including HST)			60.11			61.28	1.18	1.96%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.01		-0.10	-6.13	-0.12	1.96%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			54.10			55.15	1.06	1.96%	100.00%

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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	0.078	39.00	500	0.078	39.00	0.00	0.00%	34.96%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39.00			39.00	0.00	0.00%	34.96%
Service Charge	1	38	38.00	1	37.47	37.47	-0.53	-1.39%	33.59%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.93	0.93	1	2.43	2.43	1.50	161.29%	2.18%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.20%
Distribution Volumetric Rate	500	0.0301	15.05	500	0.0297	14.85	-0.20	-1.33%	13.31%
Volumetric Smoothing Rider	500	0.0007	0.35	500	0.0019	0.95	0.60	171.43%	0.85%
Volumetric Deferral/Variance Account Rider	500	0.0001	0.05	500	0.0001	0.05	0.00	0.00%	0.04%
Sub-Total: Distribution (excluding pass through)			54.61			55.97	1.36	2.49%	50.18%
Line Losses on Cost of Power	46	0.08	3.59	46	0.08	3.59	0.00	0.00%	3.22%
Sub-Total: Distribution			58.20			59.56	1.36	2.34%	53.39%
Retail Transmission Rate – Network Service Rate	546	0.0047	2.57	546	0.0047	2.57	0.00	0.00%	2.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.57%
Sub-Total: Retail Transmission			4.31			4.31	0.00	0.00%	3.87%
Sub-Total: Delivery (excluding pass through)			58.92			60.28	1.36	2.31%	54.04%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.15%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	0.00	0.00%	0.59%
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			3.31			3.31	0.00	0.00%	2.97%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.14%
Total Bill on Two-Tier RPP (before Taxes)			108.32			109.68	1.36	1.26%	98.33%
HST		0.13	14.08		0.13	14.26	0.18	1.26%	12.78%
Total Bill (including HST)			122.40			123.94	1.54	1.26%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.24		-0.10	-12.39	-0.15	1.26%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			110.16			111.54	1.38	1.26%	100.00%

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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	0.078	58.50	750	0.078	58.50	0.00	0.00%	31.36%
Energy Second Tier (kWh)	250	0.091	22.75	250	0.091	22.75	0.00	0.00%	12.19%
Sub-Total: Energy (RPP)			81.25			81.25	0.00	0.00%	43.55%
Service Charge	1	38	38.00	1	37.47	37.47	-0.53	-1.39%	20.09%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	0.93	0.93	1	2.43	2.43	1.50	161.29%	1.30%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.12%
Distribution Volumetric Rate	1,000	0.0301	30.10	1,000	0.0297	29.70	-0.40	-1.33%	15.92%
Volumetric Smoothing Rider	1,000	0.0007	0.70	1,000	0.0019	1.90	1.20	171.43%	1.02%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.05%
Sub-Total: Distribution (excluding pass through)			70.06			71.82	1.76	2.51%	38.50%
Line Losses on Cost of Power	92	0.09	8.37	92	0.09	8.37	0.00	0.00%	4.49%
Sub-Total: Distribution			78.43			80.19	1.76	2.24%	42.99%
Retail Transmission Rate – Network Service Rate	1,092	0.0047	5.13	1,092	0.0047	5.13	0.00	0.00%	2.75%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,092	0.0032	3.49	1,092	0.0032	3.49	0.00	0.00%	1.87%
Sub-Total: Retail Transmission			8.63			8.63	0.00	0.00%	4.62%
Sub-Total: Delivery (excluding pass through)			78.69			80.45	1.76	2.24%	43.12%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.58%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	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%	0.13%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.41%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.75%
Total Bill on Two-Tier RPP (before Taxes)			181.67			183.43	1.76	0.97%	98.33%
HST		0.13	23.62		0.13	23.85	0.23	0.97%	12.78%
Total Bill (including HST)			205.29			207.28	1.99	0.97%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.53		-0.10	-20.73	-0.20	0.97%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			184.76			186.55	1.79	0.97%	100.00%

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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)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	34.30%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	34.30%
Service Charge	1	101.62	101.62	1	106.94	106.94	5.32	5.24%	3.13%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.48	2.48	1	6.92	6.92	4.44	179.03%	0.20%
Fixed Deferral/Variance Account Rider	1	0.52	0.52	1	0.53	0.53	0.01	1.92%	0.02%
Distribution Volumetric Rate	60	18.9467	1,136.80	60	20.2535	1,215.21	78.41	6.90%	35.62%
Volumetric Smoothing Rider	60	0.4625	27.75	60	1.3108	78.65	50.90	183.42%	2.31%
Volumetric Deferral/Variance Account Rider	60	0.0713	4.28	60	0.0745	4.47	0.19	4.49%	0.13%
Sub-Total: Distribution (excluding pass through)			1,273.45			1,412.72	139.27	10.94%	41.41%
Line Losses on Cost of Power	915	0.08	71.37	915	0.08	71.37	0.00	0.00%	2.09%
Sub-Total: Distribution			1,344.82			1,484.09	139.27	10.36%	43.50%
Retail Transmission Rate – Network Service Rate	60	1.6926	101.56	60	1.6926	101.56	0.00	0.00%	2.98%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.1477	68.86	60	1.1477	68.86	0.00	0.00%	2.02%
Sub-Total: Retail Transmission			170.42			170.42	0.00	0.00%	5.00%
Sub-Total: Delivery			1,443.87			1,583.14	139.27	9.65%	46.41%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.05%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	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%	0.01%
Sub-Total: Regulatory			89.37			89.37	0.00	0.00%	2.62%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.08%
Total Bill on Two-Tier RPP (before Taxes)			2,879.61			3,018.88	139.27	4.84%	88.50%
HST		0.13	374.35		0.13	392.45	18.10	4.84%	11.50%
Total Bill (including HST)			3,253.96			3,411.33	157.37	4.84%	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 HST and OCEB)			3,253.96			3,411.33	157.37	4.84%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	37.74%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	37.74%
Service Charge	1	101.62	101.62	1	106.94	106.94	5.32	5.24%	1.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.48	2.48	1	6.92	6.92	4.44	179.03%	0.10%
Fixed Deferral/Variance Account Rider	1	0.52	0.52	1	0.53	0.53	0.01	1.92%	0.01%
Distribution Volumetric Rate	120	18.9467	2,273.60	120	20.2535	2,430.42	156.82	6.90%	33.60%
Volumetric Smoothing Rider	120	0.4625	55.50	120	1.3108	157.30	101.80	183.42%	2.17%
Volumetric Deferral/Variance Account Rider	120	0.0713	8.56	120	0.0745	8.94	0.38	4.49%	0.12%
Sub-Total: Distribution (excluding pass through)			2,442.28			2,711.05	268.77	11.00%	37.48%
Line Losses on Cost of Power	2,135	0.08	166.53	2,135	0.08	166.53	0.00	0.00%	2.30%
Sub-Total: Distribution			2,608.81			2,877.58	268.77	10.30%	39.78%
Retail Transmission Rate – Network Service Rate	120	1.6926	203.11	120	1.6926	203.11	0.00	0.00%	2.81%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.1477	137.72	120	1.1477	137.72	0.00	0.00%	1.90%
Sub-Total: Retail Transmission			340.84			340.84	0.00	0.00%	4.71%
Sub-Total: Delivery			2,783.12			3,051.88	268.77	9.66%	42.19%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.26%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.62%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	2.88%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.39%
Total Bill on Two-Tier RPP (before Taxes)			6,132.85			6,401.62	268.77	4.38%	88.50%
HST		0.13	797.27		0.13	832.21	34.94	4.38%	11.50%
Total Bill (including HST)			6,930.12			7,233.83	303.71	4.38%	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 HST and OCEB)			6,930.12			7,233.83	303.71	4.38%	100.00%

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	41.51%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	41.51%
Service Charge	1	101.62	101.62	1	106.94	106.94	5.32	5.24%	0.33%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.48	2.48	1	6.92	6.92	4.44	179.03%	0.02%
Fixed Deferral/Variance Account Rider	1	0.52	0.52	1	0.53	0.53	0.01	1.92%	0.00%
Distribution Volumetric Rate	500	18.9467	9,473.35	500	20.2535	10,126.75	653.40	6.90%	30.79%
Volumetric Smoothing Rider	500	0.4625	231.25	500	1.3108	655.40	424.15	183.42%	1.99%
Volumetric Deferral/Variance Account Rider	500	0.0713	35.65	500	0.0745	37.25	1.60	4.49%	0.11%
Sub-Total: Distribution (excluding pass through)			9,844.87			10,933.79	1,088.92	11.06%	33.25%
Line Losses on Cost of Power	10,675	0.08	832.65	10,675	0.08	832.65	0.00	0.00%	2.53%
Sub-Total: Distribution			10,677.52			11,766.44	1,088.92	10.20%	35.78%
Retail Transmission Rate – Network Service Rate	500	1.6926	846.30	500	1.6926	846.30	0.00	0.00%	2.57%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.1477	573.85	500	1.1477	573.85	0.00	0.00%	1.75%
Sub-Total: Retail Transmission			1,420.15			1,420.15	0.00	0.00%	4.32%
Sub-Total: Delivery			11,265.02			12,353.94	1,088.92	9.67%	37.57%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.48%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.68%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.16%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.73%
Total Bill on Two-Tier RPP (before Taxes)			28,012.70			29,101.62	1,088.92	3.89%	88.50%
HST		0.13	3,641.65		0.13	3,783.21	141.56	3.89%	11.50%
Total Bill (including HST)			31,654.35			32,884.83	1,230.48	3.89%	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 HST and OCEB)			31,654.35			32,884.83	1,230.48	3.89%	100.00%

2019 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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,000	0.078	1,170.00	15,000	0.078	1,170.00	0.00	0.00%	41.55%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,170.00			1,170.00	0.00	0.00%	41.55%
Service Charge	1	105.72	105.72	1	111.74	111.74	6.02	5.69%	3.97%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.58	2.58	1	7.23	7.23	4.65	180.23%	0.26%
Fixed Deferral/Variance Account Rider	1	0.54	0.54	1	0.56	0.56	0.02	3.70%	0.02%
Distribution Volumetric Rate	60	10.8088	648.53	60	11.5478	692.87	44.34	6.84%	24.60%
Volumetric Smoothing Rider	60	0.2639	15.83	60	0.7474	44.84	29.01	183.21%	1.59%
Volumetric Deferral/Variance Account Rider	60	0.0344	2.06	60	0.0361	2.17	0.10	4.94%	0.08%
Sub-Total: Distribution (excluding pass through)			775.27			859.41	84.14	10.85%	30.52%
Line Losses on Cost of Power	750	0.08	58.50	750	0.08	58.50	0.00	0.00%	2.08%
Sub-Total: Distribution			833.77			917.91	84.14	10.09%	32.60%
Retail Transmission Rate – Network Service Rate	60	2.1155	126.93	60	2.1155	126.93	0.00	0.00%	4.51%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.3969	83.81	60	1.3969	83.81	0.00	0.00%	2.98%
Sub-Total: Retail Transmission			210.74			210.74	0.00	0.00%	7.48%
Sub-Total: Delivery			986.01			1,070.15	84.14	8.53%	38.00%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.46%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	0.00	0.00%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			88.45			88.45	0.00	0.00%	3.14%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.73%
Total Bill on Two-Tier RPP (before Taxes)			2,407.96			2,492.10	84.14	3.49%	88.50%
HST		0.13	313.03		0.13	323.97	10.94	3.49%	11.50%
Total Bill (including HST)			2,720.99			2,816.08	95.08	3.49%	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 HST and OCEB)			2,720.99			2,816.08	95.08	3.49%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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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)	35,000	0.078	2,730.00	35,000	0.078	2,730.00	0.00	0.00%	45.26%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			2,730.00			2,730.00	0.00	0.00%	45.26%
Service Charge	1	105.72	105.72	1	111.74	111.74	6.02	5.69%	1.85%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.58	2.58	1	7.23	7.23	4.65	180.23%	0.12%
Fixed Deferral/Variance Account Rider	1	0.54	0.54	1	0.56	0.56	0.02	3.70%	0.01%
Distribution Volumetric Rate	120	10.8088	1,297.06	120	11.5478	1,385.74	88.68	6.84%	22.97%
Volumetric Smoothing Rider	120	0.2639	31.67	120	0.7474	89.69	58.02	183.21%	1.49%
Volumetric Deferral/Variance Account Rider	120	0.0344	4.13	120	0.0361	4.33	0.20	4.94%	0.07%
Sub-Total: Distribution (excluding pass through)			1,441.69			1,599.29	157.59	10.93%	26.51%
Line Losses on Cost of Power	1,750	0.08	136.50	1,750	0.08	136.50	0.00	0.00%	2.26%
Sub-Total: Distribution			1,578.19			1,735.79	157.59	9.99%	28.77%
Retail Transmission Rate – Network Service Rate	120	2.1155	253.86	120	2.1155	253.86	0.00	0.00%	4.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.3969	167.63	120	1.3969	167.63	0.00	0.00%	2.78%
Sub-Total: Retail Transmission			421.49			421.49	0.00	0.00%	6.99%
Sub-Total: Delivery			1,863.18			2,020.77	157.59	8.46%	33.50%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.68%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	0.00	0.00%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			206.05			206.05	0.00	0.00%	3.42%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.06%
Total Bill on Two-Tier RPP (before Taxes)			5,180.73			5,338.32	157.59	3.04%	88.50%
HST		0.13	673.49		0.13	693.98	20.49	3.04%	11.50%
Total Bill (including HST)			5,854.22			6,032.31	178.08	3.04%	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 HST and OCEB)			5,854.22			6,032.31	178.08	3.04%	100.00%

2019 Bill Impacts (High Consumption Level)

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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)	175,000	0.078	13,650.00	175,000	0.078	13,650.00	0.00	0.00%	49.05%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			13,650.00			13,650.00	0.00	0.00%	49.05%
Service Charge	1	105.72	105.72	1	111.74	111.74	6.02	5.69%	0.40%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.58	2.58	1	7.23	7.23	4.65	180.23%	0.03%
Fixed Deferral/Variance Account Rider	1	0.54	0.54	1	0.56	0.56	0.02	3.70%	0.00%
Distribution Volumetric Rate	500	10.8088	5,404.40	500	11.5478	5,773.90	369.50	6.84%	20.75%
Volumetric Smoothing Rider	500	0.2639	131.95	500	0.7474	373.70	241.75	183.21%	1.34%
Volumetric Deferral/Variance Account Rider	500	0.0344	17.20	500	0.0361	18.05	0.85	4.94%	0.06%
Sub-Total: Distribution (excluding pass through)			5,662.39			6,285.18	622.79	11.00%	22.58%
Line Losses on Cost of Power	8,750	0.08	682.50	8,750	0.08	682.50	0.00	0.00%	2.45%
Sub-Total: Distribution			6,344.89			6,967.68	622.79	9.82%	25.04%
Retail Transmission Rate – Network Service Rate	500	2.1155	1,057.75	500	2.1155	1,057.75	0.00	0.00%	3.80%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.3969	698.45	500	1.3969	698.45	0.00	0.00%	2.51%
Sub-Total: Retail Transmission			1,756.20			1,756.20	0.00	0.00%	6.31%
Sub-Total: Delivery			7,418.59			8,041.38	622.79	8.39%	28.89%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.91%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	0.00	0.00%	0.79%
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			1,029.25			1,029.25	0.00	0.00%	3.70%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.40%
Total Bill on Two-Tier RPP (before Taxes)			24,005.34			24,628.13	622.79	2.59%	88.50%
HST		0.13	3,120.69		0.13	3,201.66	80.96	2.59%	11.50%
Total Bill (including HST)			27,126.03			27,829.79	703.75	2.59%	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 HST and OCEB)			27,126.03			27,829.79	703.75	2.59%	100.00%

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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)	300	0.078	23.40	300	0.078	23.40	0.00	0.00%	4.72%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			23.40			23.40	0.00	0.00%	4.72%
Service Charge	1	267.75	267.75	1	285.98	285.98	18.23	6.81%	57.65%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	6.54	6.54	1	18.51	18.51	11.97	183.03%	3.73%
Fixed Deferral/Variance Account Rider	1	1.99	1.99	1	2.07	2.07	0.08	4.02%	0.42%
Distribution Volumetric Rate	10	7.6545	76.55	10	8.7721	87.72	11.18	14.60%	17.68%
Volumetric Smoothing Rider	10	0.1869	1.87	10	0.5677	5.68	3.81	203.75%	1.14%
Volumetric Deferral/Variance Account Rider	10	0.051	0.51	10	0.0574	0.57	0.06	12.55%	0.12%
Sub-Total: Distribution (excluding pass through)			355.20			400.53	45.33	12.76%	80.74%
Line Losses on Cost of Power	18	0.08	1.43	18	0.08	1.43	0.00	0.00%	0.29%
Sub-Total: Distribution			356.63			401.96	45.33	12.71%	81.03%
Retail Transmission Rate – Network Service Rate	10	0.5719	5.72	10	0.5719	5.72	0.00	0.00%	1.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3796	3.80	10	0.3796	3.80	0.00	0.00%	0.77%
Sub-Total: Retail Transmission			9.52			9.52	0.00	0.00%	1.92%
Sub-Total: Delivery			364.72			410.05	45.33	12.43%	82.66%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.28%
Rural Rate Protection Charge	318	0.0012	0.38	318	0.0012	0.38	0.00	0.00%	0.08%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			2.03			2.03	0.00	0.00%	0.41%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.42%
Total Bill on Two-Tier RPP (before Taxes)			393.68			439.01	45.33	11.51%	88.50%
HST		0.13	51.18		0.13	57.07	5.89	11.51%	11.50%
Total Bill (including HST)			444.86			496.08	51.22	11.51%	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 HST and OCEB)			444.86			496.08	51.22	11.51%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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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)	2,000	0.078	156.00	2,000	0.078	156.00	0.00	0.00%	19.58%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			156.00			156.00	0.00	0.00%	19.58%
Service Charge	1	267.75	267.75	1	285.98	285.98	18.23	6.81%	35.89%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	6.54	6.54	1	18.51	18.51	11.97	183.03%	2.32%
Fixed Deferral/Variance Account Rider	1	1.99	1.99	1	2.07	2.07	0.08	4.02%	0.26%
Distribution Volumetric Rate	20	7.6545	153.09	20	8.7721	175.44	22.35	14.60%	22.02%
Volumetric Smoothing Rider	20	0.1869	3.74	20	0.5677	11.35	7.62	203.75%	1.42%
Volumetric Deferral/Variance Account Rider	20	0.051	1.02	20	0.0574	1.15	0.13	12.55%	0.14%
Sub-Total: Distribution (excluding pass through)			434.13			494.50	60.38	13.91%	62.06%
Line Losses on Cost of Power	122	0.08	9.52	122	0.08	9.52	0.00	0.00%	1.19%
Sub-Total: Distribution			443.64			504.02	60.38	13.61%	63.25%
Retail Transmission Rate – Network Service Rate	20	0.5719	11.44	20	0.5719	11.44	0.00	0.00%	1.44%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3796	7.59	20	0.3796	7.59	0.00	0.00%	0.95%
Sub-Total: Retail Transmission			19.03			19.03	0.00	0.00%	2.39%
Sub-Total: Delivery			453.16			513.53	60.38	13.32%	64.44%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.17%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.32%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.03%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	1.52%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	1.76%
Total Bill on Two-Tier RPP (before Taxes)			644.81			705.18	60.38	9.36%	88.50%
HST		0.13	83.82		0.13	91.67	7.85	9.36%	11.50%
Total Bill (including HST)			728.63			796.86	68.22	9.36%	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 HST and OCEB)			728.63			796.86	68.22	9.36%	100.00%

2019 Bill Impacts (High Consumption Level)

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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)	5,000	0.078	390.00	5,000	0.078	390.00	0.00	0.00%	18.96%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			390.00			390.00	0.00	0.00%	18.96%
Service Charge	1	267.75	267.75	1	285.98	285.98	18.23	6.81%	13.90%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	6.54	6.54	1	18.51	18.51	11.97	183.03%	0.90%
Fixed Deferral/Variance Account Rider	1	1.99	1.99	1	2.07	2.07	0.08	4.02%	0.10%
Distribution Volumetric Rate	100	7.6545	765.45	100	8.7721	877.21	111.76	14.60%	42.65%
Volumetric Smoothing Rider	100	0.1869	18.69	100	0.5677	56.77	38.08	203.75%	2.76%
Volumetric Deferral/Variance Account Rider	100	0.051	5.10	100	0.0574	5.74	0.64	12.55%	0.28%
Sub-Total: Distribution (excluding pass through)			1,065.52			1,246.28	180.76	16.96%	60.59%
Line Losses on Cost of Power	305	0.08	23.79	305	0.08	23.79	0.00	0.00%	1.16%
Sub-Total: Distribution			1,089.31			1,270.07	180.76	16.59%	61.75%
Retail Transmission Rate – Network Service Rate	100	0.5719	57.19	100	0.5719	57.19	0.00	0.00%	2.78%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3796	37.96	100	0.3796	37.96	0.00	0.00%	1.85%
Sub-Total: Retail Transmission			95.15			95.15	0.00	0.00%	4.63%
Sub-Total: Delivery			1,160.67			1,341.43	180.76	15.57%	65.22%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.13%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.31%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	1.46%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.70%
Total Bill on Two-Tier RPP (before Taxes)			1,639.42			1,820.18	180.76	11.03%	88.50%
HST		0.13	213.12		0.13	236.62	23.50	11.03%	11.50%
Total Bill (including HST)			1,852.54			2,056.80	204.26	11.03%	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 HST and OCEB)			1,852.54			2,056.80	204.26	11.03%	100.00%

2019 Bill Impacts (Low Consumption Level)

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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)	200,000	0.078	15,600.00	200,000	0.078	15,600.00	0.00	0.00%	57.12%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,600.00			15,600.00	0.00	0.00%	57.12%
Service Charge	1	1320.28	1,320.28	1	1365.5	1,365.50	45.22	3.43%	5.00%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	24.69	24.69	1	68.21	68.21	43.52	176.27%	0.25%
Fixed Deferral/Variance Account Rider	1	5.11	5.11	1	5.17	5.17	0.06	1.17%	0.02%
Distribution Volumetric Rate	500	1.4722	736.10	500	1.5581	779.05	42.95	5.83%	2.85%
Volumetric Smoothing Rider	500	0.0382	19.10	500	0.1064	53.20	34.10	178.53%	0.19%
Volumetric Deferral/Variance Account Rider	500	0.1931	96.55	500	0.1935	96.75	0.20	0.21%	0.35%
Sub-Total: Distribution (excluding pass through)			2,201.83			2,367.88	166.05	7.54%	8.67%
Line Losses on Cost of Power	6,800	0.08	530.40	6,800	0.08	530.40	0.00	0.00%	1.94%
Sub-Total: Distribution			2,732.23			2,898.28	166.05	6.08%	10.61%
Retail Transmission Rate – Network Service Rate	500	3.5856	1,792.80	500	3.5856	1,792.80	0.00	0.00%	6.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6378	1,318.90	500	2.6378	1,318.90	0.00	0.00%	4.83%
Sub-Total: Retail Transmission			3,111.70			3,111.70	0.00	0.00%	11.39%
Sub-Total: Delivery			5,313.53			5,479.58	166.05	3.13%	20.06%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.33%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	0.00	0.00%	0.91%
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			1,158.33			1,158.33	0.00	0.00%	4.24%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	5.13%
Total Bill on Two-Tier RPP (before Taxes)			24,002.26			24,168.31	166.05	0.69%	88.50%
HST		0.13	3,120.29		0.13	3,141.88	21.59	0.69%	11.50%
Total Bill (including HST)			27,122.55			27,310.19	187.64	0.69%	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 HST and OCEB)			27,122.55			27,310.19	187.64	0.69%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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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)	500,000	0.078	39,000.00	500,000	0.078	39,000.00	0.00	0.00%	61.37%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			39,000.00			39,000.00	0.00	0.00%	61.37%
Service Charge	1	1320.28	1,320.28	1	1365.5	1,365.50	45.22	3.43%	2.15%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	24.69	24.69	1	68.21	68.21	43.52	176.27%	0.11%
Fixed Deferral/Variance Account Rider	1	5.11	5.11	1	5.17	5.17	0.06	1.17%	0.01%
Distribution Volumetric Rate	1,000	1.4722	1,472.20	1,000	1.5581	1,558.10	85.90	5.83%	2.45%
Volumetric Smoothing Rider	1,000	0.0382	38.20	1,000	0.1064	106.40	68.20	178.53%	0.17%
Volumetric Deferral/Variance Account Rider	1,000	0.1931	193.10	1,000	0.1935	193.50	0.40	0.21%	0.30%
Sub-Total: Distribution (excluding pass through)			3,053.58			3,296.88	243.30	7.97%	5.19%
Line Losses on Cost of Power	17,000	0.08	1,326.00	17,000	0.08	1,326.00	0.00	0.00%	2.09%
Sub-Total: Distribution			4,379.58			4,622.88	243.30	5.56%	7.27%
Retail Transmission Rate – Network Service Rate	1,000	3.5856	3,585.60	1,000	3.5856	3,585.60	0.00	0.00%	5.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6378	2,637.80	1,000	2.6378	2,637.80	0.00	0.00%	4.15%
Sub-Total: Retail Transmission			6,223.40			6,223.40	0.00	0.00%	9.79%
Sub-Total: Delivery			9,276.98			9,520.28	243.30	2.62%	14.98%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.58%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	0.00	0.00%	0.98%
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			2,895.45			2,895.45	0.00	0.00%	4.56%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.51%
Total Bill on Two-Tier RPP (before Taxes)			55,998.43			56,241.73	243.30	0.43%	88.50%
HST		0.13	7,279.80		0.13	7,311.42	31.63	0.43%	11.50%
Total Bill (including HST)			63,278.23			63,553.15	274.93	0.43%	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 HST and OCEB)			63,278.23			63,553.15	274.93	0.43%	100.00%

2019 Bill Impacts (High Consumption Level)

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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)	4,000,000	0.078	312,000.00	4,000,000	0.078	312,000.00	0.00	0.00%	60.55%
Energy Second Tier (kWh)	0	0.091	0.00	0	0.091	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			312,000.00			312,000.00	0.00	0.00%	60.55%
Service Charge	1	1320.28	1,320.28	1	1365.5	1,365.50	45.22	3.43%	0.26%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	24.69	24.69	1	68.21	68.21	43.52	176.27%	0.01%
Fixed Deferral/Variance Account Rider	1	5.11	5.11	1	5.17	5.17	0.06	1.17%	0.00%
Distribution Volumetric Rate	10,000	1.4722	14,722.00	10,000	1.5581	15,581.00	859.00	5.83%	3.02%
Volumetric Smoothing Rider	10,000	0.0382	382.00	10,000	0.1064	1,064.00	682.00	178.53%	0.21%
Volumetric Deferral/Variance Account Rider	10,000	0.1931	1,931.00	10,000	0.1935	1,935.00	4.00	0.21%	0.38%
Sub-Total: Distribution (excluding pass through)			18,385.08			20,018.88	1,633.80	8.89%	3.88%
Line Losses on Cost of Power	136,000	0.08	10,608.00	136,000	0.08	10,608.00	0.00	0.00%	2.06%
Sub-Total: Distribution			28,993.08			30,626.88	1,633.80	5.64%	5.94%
Retail Transmission Rate – Network Service Rate	10,000	3.5856	35,856.00	10,000	3.5856	35,856.00	0.00	0.00%	6.96%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6378	26,378.00	10,000	2.6378	26,378.00	0.00	0.00%	5.12%
Sub-Total: Retail Transmission			62,234.00			62,234.00	0.00	0.00%	12.08%
Sub-Total: Delivery			80,619.08			82,252.88	1,633.80	2.03%	15.96%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.53%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.96%
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			23,161.85			23,161.85	0.00	0.00%	4.49%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.43%
Total Bill on Two-Tier RPP (before Taxes)			454,388.93			456,022.73	1,633.80	0.36%	88.50%
HST		0.13	59,070.56		0.13	59,282.95	212.39	0.36%	11.50%
Total Bill (including HST)			513,459.49			515,305.68	1,846.19	0.36%	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 HST and OCEB)			513,459.49			515,305.68	1,846.19	0.36%	100.00%

MISCELLANEOUS CHARGES

1.0 INTRODUCTION

Miscellaneous Charges are charges for specific services over and above the standard level of service. Each service has an approved fixed rate charged to a customer for a specific activity, or as a penalty, as in the case of late payment charges.

A description of the current services and their proposed 2015-2019 rates can be found in Schedule 11-1 below. The rates for any service not covered in Schedule 11-1, but included in the Schedule 11-1 that is part of the 2006 Electricity Distribution Rate Handbook (the Handbook) issued in May 2005 have been reviewed and are acceptable to Hydro One Distribution. The description for rate codes 1-14 listed in Schedule 11-1 below can be found in the Handbook.

As required by the Handbook, Schedule 11-1 identifies the basis for determining the proposed rates. Schedule 11-2 details the methodology used to determine the rates not specifically set by the Handbook. The rate of each service is based on average elapsed hours required to carry out the work, as well as burdened labour rates, vehicle costs, and material. Schedule 11-3 summarizes the rates and historical volumes along with 2015-2019 forecasted volumes and projected revenues/capital contributions for each service.

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

Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2015 Charge	2016 Charge	2017 Charge	2018 Charge	2019 Charge
1	Temporary Service	2006 Rate Handbook	\$500	\$500	\$500	\$500	\$500	\$500
2	Dispute Meter Test		\$30 plus Measurement Canada fees	\$30 plus Measurement Canada fees	\$30 plus Measurement Canada fees	\$30 plus Measurement Canada fees	\$30 plus Measurement Canada fees	\$30 plus Measurement Canada fees
3	Collection of account – no disconnection/load limiter		\$30	\$30	\$30	\$30	\$30	\$30
4	Collection/Disconnect/load limiter/reconnect (at meter) trip – regular hours		\$65	\$65	\$65	\$65	\$65	\$65
5	Collection/Disconnect/load limiter/reconnect (at meter) trip – after regular hours		\$185	\$185	\$185	\$185	\$185	\$185
6	Collection/Disconnect/load limiter/reconnect (at pole) trip – regular hours		\$185	\$185	\$185	\$185	\$185	\$185
7	Collection/Disconnect/load limiter/reconnect (at pole) trip – after regular hours		\$415	\$415	\$415	\$415	\$415	\$415
8	Account Set-up Charge		\$30	\$30	\$30	\$30	\$30	\$30
9	Arrears Certificate		\$15	\$15	\$15	\$15	\$15	\$15

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Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2015 Charge	2016 Charge	2017 Charge	2018 Charge	2019 Charge
10	NSF Cheque Charge		\$15	\$15	\$15	\$15	\$15	\$15
11	Easement Charge for Unregistered Rights		\$15	\$15	\$15	\$15	\$15	\$15
12	Late Payment Charge		1.5%/month	1.5%/month	1.5%/month	1.5%/month	1.5%/month	1.5%/month
13a	Retailer Services – Establishing Service Agreements (refer to Handbook for all charges)		\$100/agreement/Retailer +\$20/month/Retailer +\$0.50/month/customer + other	\$100/agreement/Retailer +\$20/month/Retailer +\$0.50/month/customer + other	\$100/agreement/Retailer +\$20/month/Retailer +\$0.50/month/customer + other	\$100/agreement/Retailer +\$20/month/Retailer +\$0.50/month/customer + other	\$100/agreement/Retailer +\$20/month/Retailer +\$0.50/month/customer + other	\$100/agreement/Retailer +\$20/month/Retailer +\$0.50/month/customer + other
13b	Retailer Services – Other (includes Bill Ready for Retailers and Service Transactions Requests) as per the Handbook, Chapter 12		\$0.30/month/customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/customer + \$0.25/request for request fee + \$0.50/request for process fee	\$0.30/month/customer + \$0.25/request for request fee + \$0.50/request for process fee
14	Special Meter Reads	Standard Formula	\$30	\$30	\$30	\$30	\$30	\$30
15	Service Layout Fee – Basic		\$562	\$630	\$635	\$640	\$645	\$650
16	Service Layout Fee – Complex		\$750	\$835	\$845	\$850	\$860	\$865
17	Crossing Application - Pipeline		\$2,600	\$2,510	\$2,540	\$2,555	\$2,585	\$2,600

Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2015 Charge	2016 Charge	2017 Charge	2018 Charge	2019 Charge
18	Crossing Application – Water		\$2,960	\$3,190	\$3,225	\$3,250	\$3,285	\$3,305
19	Crossing Application – Railroad		\$3,100	\$6,060	\$6,095	\$6,120	\$6,155	\$6,180
20	Line Staking – per meter		\$3.75	\$4.90	\$4.95	\$4.95	\$5.00	\$5.05
21	Central Metering – New service < 45 kW		\$115	\$120	\$120	\$120	\$120	\$120
22	Conversion to Central Metering < 45 kW		\$935	\$1,035	\$1,045	\$1,050	\$1,060	\$1,065
23	Conversion to Central Metering > 45 kW		\$815	\$915	\$925	\$930	\$940	\$945
24	Tingle/Stray Voltage Test – In Excess of 4 Hours (per hour – average 2 additional hours)		\$125	\$140	\$140	\$140	\$145	\$145
25	Standby Administration Charge per month		\$480	\$515	\$520	\$520	\$525	\$530
26a	Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering		\$10,335	\$5,580	\$5,620	\$5,655	\$5,695	\$5,735
26b	Connection Impact Assessment (CIA) Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering		\$10,405	\$11,985	\$12,055	\$12,130	\$12,205	\$12,280

Rate Code	Specific Service Charge Standard Name	Calculation Method	Currently Approved Rate	2015 Charge	2016 Charge	2017 Charge	2018 Charge	2019 Charge
27	Sentinel Lights Rental Rate per month		\$7.10	\$8.97	\$9.25	\$9.51	\$9.76	\$10.02
28	Sentinel Lights Pole Rental Rate per month	Other Formula	\$4.15	\$4.15	\$4.15	\$4.15	\$4.15	\$4.15
29	Joint Use for Telecommunications companies per pole		\$22.35	\$37.05	\$37.42	\$37.80	\$38.18	\$38.56
30	Joint Use for Generators per pole (for 10 feet of pole only) See Table 18		\$28.40	\$46.88	\$47.34	\$47.82	\$48.30	\$48.78
31	Joint Use for LDCs per pole pole (for 10 feet of pole only) See Table 17		28.61	\$46.88	\$47.34	\$47.82	\$48.30	\$48.78
32	Joint Use for Municipality Streetlights		\$2.04	\$2.04	\$2.04	\$2.04	\$2.04	\$2.04

Table 2: Service Layout Fee – Basic

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Table 4: Crossing Application – Pipeline

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2015	17	Crossing Application - Pipeline	Direct Labour - ADET	\$76.71	18	\$1,380.78	\$2,286.02	Small Vehicle Time	\$12.50	18	\$225.00	\$225.00	\$2,511.02	\$2,510.00
			Direct Labour - Drafting	\$96.64	0	\$0.00		Materials	\$0.00	-	-	-		
			Payroll Burden	65.56%	-	\$905.24								
2016	17	Crossing Application - Pipeline	Direct Labour - ADET	\$78.69	18	\$1,416.42	\$2,303.95	Small Vehicle Time	\$13.00	18	\$234.00	\$234.00	\$2,537.95	\$2,540.00
			Direct Labour - Drafting	\$98.98	0	\$0.00		Materials	\$0.00	-	-	-		
			Payroll Burden	62.66%	-	\$887.53								
2017	17	Crossing Application - Pipeline	Direct Labour - ADET	\$80.70	18	\$1,452.60	\$2,321.98	Small Vehicle Time	\$13.00	18	\$234.00	\$234.00	\$2,555.98	\$2,555.00
			Direct Labour - Drafting	\$101.35	0	\$0.00		Materials	\$0.00	-	-	-		
			Payroll Burden	59.85%	-	\$869.38								

Table 4: Crossing Application – Pipeline

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2018	17	Crossing Application - Pipeline	Direct Labour - ADET	\$81.12	18	\$1,460.16	\$2,340.05	Small Vehicle Time	\$13.50	18	\$243.00	\$243.00	\$2,583.05	\$2,585.00
			Direct Labour - Drafting	\$101.71	0	\$0.00		Materials	\$0.00	-	-	-		
			Payroll Burden	60.26%	-	\$879.89								
2019	17	Crossing Application - Pipeline	Direct Labour - ADET	\$81.91	18	\$1,474.38	\$2,357.98	Small Vehicle Time	\$13.50	18	\$243.00	\$243.00	\$2,600.98	\$2,600.00
			Direct Labour - Drafting	\$102.54	0	\$0.00		Materials	\$0.00	-	-	-		
			Payroll Burden	59.93%	-	\$883.60								

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Table 5: Crossing Application - Water

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2015	18	Crossing Application - Water	Direct Labour - ADET	\$76.71	20.54	\$1,575.62	\$2,608.60	Small Vehicle Time	\$12.50	20.54	\$256.75	\$583.89	\$3,192.49	\$3,190.00
			Direct Labour - Drafting	\$96.64	0	\$0.00		Utility Boat	\$41.00	5.54	\$227.14			
			Payroll Burden	65.56%	-	\$1,032.98		Materials	\$100.00	-	-			
2016	18	Crossing Application - Water	Direct Labour - ADET	\$78.69	20.54	\$1,616.29	\$2,629.06	Small Vehicle Time	\$13.00	20.54	\$267.02	\$596.93	\$3,225.99	\$3,225.00
			Direct Labour - Drafting	\$98.98	0	\$0.00		Utility Boat	\$41.50	5.54	\$229.91			
			Payroll Burden	62.66%	-	\$1,012.77		Materials	\$100.00	-	-			
2017	18	Crossing Application - Water	Direct Labour - ADET	\$80.70	20.54	\$1,657.58	\$2,649.64	Small Vehicle Time	\$13.00	20.54	\$267.02	\$599.70	\$3,249.34	\$3,250.00
			Direct Labour - Drafting	\$101.35	0	\$0.00		Utility Boat	\$42.00	5.54	\$232.68			
			Payroll Burden	59.85%	-	\$992.06		Materials	\$100.00	-	-			
2018	18	Crossing Application - Water	Direct Labour - ADET	\$81.12	20.54	\$1,666.20	\$2,670.26	Small Vehicle Time	\$13.50	20.54	\$277.29	\$612.74	\$3,283.00	\$3,285.00
			Direct Labour - Drafting	\$101.71	0	\$0.00		Utility Boat	\$42.50	5.54	\$235.45			
			Payroll Burden	60.26%	-	\$1,004.06		Materials	\$100.00	-	-			

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2019	18	Crossing Application - Water	Direct Labour - ADET	\$81.91	20.54	\$1,682.43	\$2,690.71	Small Vehicle Time	\$13.50	20.54	\$277.29	\$615.51	\$3,306.22	\$3,305.00
			Direct Labour - Drafting	\$102.54	0	\$0.00		Utility Boat	\$43.00	5.54	\$238.22			
			Payroll Burden	59.93%	-	\$1,008.28		Materials	\$100.00	-	-			

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Table 6: Crossing Application – Railway

The material costs are the application and/or approval fees charged by the Railway Companies. The material costs vary depending on the Railway Company involved. The \$2,300.00 represents an average of actual flow through charges to Hydro One.

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2015	19	Crossing Application - Railway	Direct Labour - ADET	\$76.71	15.77	\$1,209.72	\$3,564.79	Small Vehicle Time	\$12.50	15.77	\$197.13	\$2,497.13	\$6,061.92	\$6,060.00
			Direct Labour - Engineer	\$103.89	3.5	\$363.62								
			Direct Labour- Drafting	\$96.64	6	\$579.84		Materials	\$2,300.00	-	-			
			Payroll Burden	65.56%	-	\$1,411.62								
2016	19	Crossing Application - Railway	Direct Labour - ADET	\$78.69	15.77	\$1,240.94	\$3,590.04	Small Vehicle Time	\$13.00	15.77	\$205.01	\$2,505.01	\$6,095.05	\$6,095.00
			Direct Labour- Engineer	\$106.36	3.5	\$372.26								
			Direct Labour - Drafting	\$98.98	6	\$593.88		Materials	\$2,300.00	-	-			
			Payroll Burden	62.66%	-	\$1,382.96								
2017	19	Crossing Application - Railway	Direct Labour - ADET	\$80.70	15.77	\$1,272.64	\$3,615.35	Small Vehicle Time	\$13.00	15.77	\$205.01	\$2,505.01	\$6,120.36	\$6,120.00
			Direct Labour- Engineer	\$108.85	3.5	\$380.98								
			Direct Labour - Drafting	\$101.35	6	\$608.10		Materials	\$2,300.00	-	-			
			Payroll Burden	59.85%	-	\$1,353.64								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2018	19	Crossing Application – Railway	Direct Labour - ADET	\$81.12	15.77	\$1,279.26	\$3,640.66	Small Vehicle Time	\$13.50	15.77	\$212.90	\$2,512.90	\$6,153.56	\$6,155.00
			Direct Labour-Engineer	\$109.20	3.5	\$382.20								
			Direct Labour - Drafting	\$101.71	6	\$610.26		Materials	\$2,300.00	-	-			
			Payroll Burden	60.26%	-	\$1,368.94								
2019	19	Crossing Application - Railway	Direct Labour - ADET	\$81.91	15.77	\$1,291.72	\$3,665.81	Small Vehicle Time	\$13.50	15.77	\$212.90	\$2,512.90	\$6,178.71	\$6,180.00
			Direct Labour-Engineer	\$110.05	3.5	\$385.18								
			Direct Labour - Drafting	\$102.54	6	\$615.24		Materials	\$2,300.00	-	-			
			Payroll Burden	59.93%	-	\$1,373.68								

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Table 8: Central Metering New Service < 45 kW

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/Unit	Calculated Total	Total Other	Total	Rounded Total
2015	21	Central Metering - New Service < 45 kW	-	-	-	-	0	Material	\$120.00	-	-	0	\$120.00	\$120.00
2016	21	Central Metering - New Service < 45 kW	-	-	-	-	0	Material	\$120.00	-	-	0	\$120.00	\$120.00
2017	21	Central Metering - New Service < 45 kW	-	-	-	-	0	Material	\$120.00	-	-	0	\$120.00	\$120.00
2018	21	Central Metering - New Service < 45 kW	-	-	-	-	0	Material	\$120.00	-	-	0	\$120.00	\$120.00
2019	21	Central Metering - New Service < 45 kW	-	-	-	-	0	Material	\$120.00	-	-	0	\$120.00	\$120.00

Table 9: Conversion to Central Metering < 45 kW

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2015	22	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$71.27	0.44	\$31.36	\$777.06	Large Vehicle Time	\$65.00	1.59	\$103.35	\$257.48	\$1,034.54	\$1,035.00
			Direct Labour - PLM	\$71.88	3.18	\$228.58		Small Vehicle Time	\$12.50	2.73	\$34.13			
			Direct Labour - ADET	\$76.71	2.73	\$209.42		Material	-	-	\$120.00			
			Payroll Burden	65.56%	-	\$307.71								
2016	22	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$73.16	0.44	\$32.19	\$783.37	Large Vehicle Time	\$65.50	1.59	\$104.15	\$259.64	\$1,043.01	\$1,045.00
			Direct Labour - PLM	\$73.77	3.18	\$234.59		Small Vehicle Time	\$13.00	2.73	\$35.49			
			Direct Labour - ADET	\$78.69	2.73	\$214.82		Material	-	-	\$120.00			
			Payroll Burden	62.66%	-	\$301.77								
2017	22	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$75.07	0.44	\$33.03	\$789.77	Large Vehicle Time	\$66.00	1.59	\$104.94	\$260.43	\$1,050.20	\$1,050.00
			Direct Labour - PLM	\$75.70	3.18	\$240.73		Small Vehicle Time	\$13.00	2.73	\$35.49			
			Direct Labour - ADET	\$80.70	2.73	\$220.31		Material	-	-	\$120.00			
			Payroll Burden	59.85%	-	\$295.70								
2018	22	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$75.50	0.44	\$33.22	\$796.13	Large Vehicle Time	\$66.50	1.59	\$105.74	\$262.59	\$1,058.72	\$1,060.00
			Direct Labour - PLM	\$76.13	3.18	\$242.09		Small Vehicle Time	\$13.50	2.73	\$36.86			
			Direct Labour - ADET	\$81.12	2.73	\$221.46		Material	-	-	\$120.00			
			Payroll Burden	60.26%	-	\$299.35								

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Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2019	22	Conversion to Central Metering < 45 kW	Direct Labour - Clerical	\$76.28	0.44	\$33.56	\$802.45	Large Vehicle Time	\$67.00	1.59	\$106.53	\$263.39	\$1,065.84	\$1,065.00
			Direct Labour - PLM	\$76.91	3.18	\$244.57		Small Vehicle Time	\$13.50	2.73	\$36.86			
			Direct Labour - ADET	\$81.91	2.73	\$223.61		Material	-	-	\$120.00			
			Payroll Burden	59.93%	-	\$300.70								

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Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2019	23	Conversion to Central Metering > 45 kW	Direct Labour - Clerical	\$76.28	0.44	\$33.56	\$802.45	Large Vehicle Time	\$67.00	1.59	\$106.53	\$143.39	\$945.84	\$945.00
			Direct Labour - PLM	\$76.91	3.18	\$244.57		Small Vehicle Time	\$13.50	2.73	\$36.86			
			Direct Labour - ADET	\$81.91	2.73	\$223.61								
			Payroll Burden	59.93%	-	\$300.70								

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Table 11: Tingle Voltage (in excess of 4 hours)

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours/Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours /Unit	Calculated Total	Total Other	Total	Rounded Total
2015	24	Tingle Voltage - in excess of 4 hours	Direct Labour - ADET	\$76.71	1	\$76.71	\$127.00	Small Vehicle Time	\$12.50	1	\$12.50	\$12.50	\$139.50	\$140.00 per hour
			Payroll Burden	65.56%	-	\$50.29								
2016	24	Tingle Voltage - in excess of 4 hours	Direct Labour - ADET	\$78.69	1	\$78.69	\$128.00	Small Vehicle Time	\$13.00	1	\$13.00	\$13.00	\$141.00	\$140.00 per hour
			Payroll Burden	62.66%	-	\$49.31								
2017	24	Tingle Voltage - in excess of 4 hours	Direct Labour - ADET	\$80.70	1	\$80.70	\$129.00	Small Vehicle Time	\$13.00	1	\$13.00	\$13.00	\$142.00	\$140.00 per hour
			Payroll Burden	59.85%	-	\$48.30								
2018	24	Tingle Voltage - in excess of 4 hours	Direct Labour - ADET	\$81.12	1	\$81.12	\$130.00	Small Vehicle Time	\$13.50	1	\$13.50	\$13.50	\$143.50	\$145.00 per hour
			Payroll Burden	60.26%	-	\$48.88								
2019	24	Tingle Voltage - in excess of 4 hours	Direct Labour - ADET	\$81.91	1	\$81.91	\$131.00	Small Vehicle Time	\$13.50	1	\$13.50	\$13.50	\$144.50	\$145.00 per hour
			Payroll Burden	59.93%	-	\$49.09								

Table 12: Standby Administration Charges

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/Unit	Calculated Total	Total Other	Total	Rounded Total
2015	25	Standby Administration Charges	Direct Labour - Billing System Clerical	\$71.27	0.3	\$21.38	\$515.40	N/A	N/A	N/A	N/A	N/A	\$515.40	\$515.00
			Direct Labour - Metering Dept (MP2)	\$93.02	0.5	\$46.51								
			Direct Labour - Operations (MP4)	\$103.89	1	\$103.89								
			Direct Labour - Rates (MP4)	\$103.89	1	\$103.89								
			Direct Labour - Rates (Clerical)	\$71.27	0.5	\$35.64								
			Payroll Burden	65.56%	-	\$204.09								
2016	25	Standby Administration Charges	Direct Labour - Billing System Clerical	\$73.16	0.3	\$21.95	\$518.71	N/A	N/A	N/A	N/A	N/A	\$518.71	\$520.00
			Direct Labour - Metering Dept (MP2)	\$95.29	0.5	\$47.65								
			Direct Labour - Operations (MP4)	\$106.36	1	\$106.36								
			Direct Labour - Rates (MP4)	\$106.36	1	\$106.36								
			Direct Labour - Rates (Clerical)	\$73.16	0.5	\$36.58								
			Payroll Burden	62.66%	-	\$199.82								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/Unit	Calculated Total	Total Other	Total	Rounded Total
2017	25	Standby Administration Charges	Direct Labour - Billing System Clerical	\$75.07	0.3	\$22.52	\$521.99	N/A	N/A	N/A	N/A	N/A	\$521.99	\$520.00
			Direct Labour - Metering Dept (MP2)	\$97.59	0.5	\$48.80								
			Direct Labour - Operations (MP4)	\$108.85	1	\$108.85								
			Direct Labour - Rates (MP4)	\$108.85	1	\$108.85								
			Direct Labour - Rates (Clerical)	\$75.07	0.5	\$37.54								
			Payroll Burden	59.85%	-	\$195.44								
2018	25	Standby Administration Charges	Direct Labour - Billing System Clerical	\$75.50	0.3	\$22.65	\$525.31	N/A	N/A	N/A	N/A	N/A	\$525.31	\$525.00
			Direct Labour - Metering Dept (MP2)	\$97.97	0.5	\$48.99								
			Direct Labour - Operations (MP4)	\$109.20	1	\$109.20								
			Direct Labour - Rates (MP4)	\$109.20	1	\$109.20								
			Direct Labour - Rates (Clerical)	\$75.50	0.5	\$37.75								
			Payroll Burden	60.26%	-	\$197.52								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/Unit	Calculated Total	Total Other	Total	Rounded Total
2019	25	Standby Administration Charges	Direct Labour - Billing System Clerical	\$76.28	0.3	\$22.88	\$528.60	N/A	N/A	N/A	N/A	N/A	\$528.60	\$530.00
			Direct Labour - Metering Dept (MP2)	\$98.79	0.5	\$49.40								
			Direct Labour - Operations (MP4)	\$110.05	1	\$110.05								
			Direct Labour - Rates (MP4)	\$110.05	1	\$110.05								
			Direct Labour - Rates (Clerical)	\$76.28	0.5	\$38.14								
			Payroll Burden	59.93%	-	\$198.08								

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Table 13: Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/ Unit	Calculated Total	Total Other	Total	Rounded Total
2015	26a	Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour – MP2	\$93.02	6.77	\$629.75	\$5,578.96	N/A	N/A	N/A	N/A	N/A	\$5,578.96	\$5,580.00
			Direct Labour – MP4	\$103.89	5.51	\$572.43								
			Direct Labour – LGR64	\$81.54	17.69	\$1,442.47								
			Direct Labour – FTECH	\$73.69	2.77	\$204.12								
			Direct Labour – LSUPT	\$83.35	4.06	\$338.42								
			Direct Labour – ADET	\$76.71	2.38	\$182.57								
			Payroll Burden	65.56%	-	\$2,209.21								
2016	26a	Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour – MP2	\$95.29	6.77	\$645.11	\$5,618.13	N/A	N/A	N/A	N/A	N/A	\$5,618.13	\$5,620.00
			Direct Labour – MP4	\$106.36	5.51	\$585.04								
			Direct Labour – LGR64	\$83.61	17.69	\$1,479.06								
			Direct Labour – FTECH	\$75.62	2.77	\$209.46								
			Direct Labour – LSUPT	\$85.45	4.06	\$346.94								
			Direct Labour – ADET	\$78.69	2.38	\$187.29								
			Payroll Burden	62.66%	-	\$2,164.22								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/ Unit	Calculated Total	Total Other	Total	Rounded Total
2017	26a	Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour – MP2	\$97.59	6.77	\$660.68	\$5,656.20	N/A	N/A	N/A	N/A	N/A	\$5,656.20	\$5,655.00
			Direct Labour – MP4	\$108.85	5.51	\$599.32								
			Direct Labour – LGR64	\$85.71	17.69	\$1,515.98								
			Direct Labour – FTECH	\$77.57	2.77	\$214.92								
			Direct Labour – LSUPT	\$87.58	4.06	\$355.48								
			Direct Labour – ADET	\$80.70	2.38	\$192.07								
			Payroll Burden	59.85%	-	\$2,117.76								
2018	26a	Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour – MP2	\$97.97	6.77	\$663.31	\$5,695.58	N/A	N/A	N/A	N/A	N/A	\$5,695.58	\$5,695.00
			Direct Labour – MP4	\$109.20	5.51	\$601.24								
			Direct Labour – LGR64	\$86.11	17.69	\$1,523.14								
			Direct Labour – FTECH	\$78.00	2.77	\$216.10								
			Direct Labour – LSUPT	\$87.98	4.06	\$357.10								
			Direct Labour – ADET	\$81.12	2.38	\$193.07								
			Payroll Burden	60.26%	-	\$2,141.62								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/ Unit	Calculated Total	Total Other	Total	Rounded Total
2019	26a	Connection Impact Assessment (CIA) Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour – MP2	\$98.79	6.77	\$668.87	\$5,734.66	N/A	N/A	N/A	N/A	N/A	\$5,734.66	\$5,735
			Direct Labour – MP4	\$110.05	5.51	\$605.92								
			Direct Labour – LGR64	\$86.91	17.69	\$1,537.34								
			Direct Labour – FTECH	\$78.78	2.77	\$218.28								
			Direct Labour – LSUPT	\$88.79	4.06	\$360.38								
			Direct Labour – ADET	\$81.91	2.38	\$194.95								
			Payroll Burden	59.93%	-	\$2,148.93								

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The change to rate code 26a eliminates the overlap between the CIA work formerly covered under this item, with a charge of \$10,335 and the CIA work covered by the \$3,000 charge that was approved under the OEB decision and order EB-2010-0228 for “Net Metering, Capacity Allocation Exempt, Rescinded, and Revised CIA Charges”. There was no time study or quantitative analysis completed for the \$3,000 charge.

The change proposed for item 26a is based on the actual labour hours required to complete the CIAs.

Table 14: Connection Impact Assessment (CIA)

Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/ Unit	Calculated Total	Total Other	Total	Rounded Total
2015	26b	Connection Impact Assessment (CIA) Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour - MP2	\$93.02	34.9	\$3,246.40	\$11,983.21	N/A	N/A	N/A	N/A	N/A	\$11,983.21	\$11,985.00
			Direct Labour - MP4	\$103.89	23.1	\$2,399.86								
			Direct Labour - Interns	\$60.40	4.4	\$265.76								
			Direct Labour - MCP Staff	\$115.37	9.8	\$1,130.63								
			Direct Labour - GCD Coordinator	\$93.02	2.1	\$195.34								
			Payroll Burden	65.56%	-	\$4,745.22								
2016	26b	Connection Impact Assessment (CIA) Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour - MP2	\$95.29	34.9	\$3,325.62	\$12,057.39	N/A	N/A	N/A	N/A	N/A	\$12,057.39	\$12,055.00
			Direct Labour - MP4	\$106.36	23.1	\$2,456.92								
			Direct Labour - Interns	\$62.09	4.4	\$273.20								
			Direct Labour - MCP Staff	\$118.04	9.8	\$1,156.79								
			Direct Labour - GCD Coordinator	\$95.29	2.1	\$200.11								
			Payroll Burden	62.66%	-	\$4,644.76								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/ Unit	Calculated Total	Total Other	Total	Rounded Total
2017	26b	Connection Impact Assessment (CIA) Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour - MP2	\$97.59	34.9	\$3,405.89	\$12,131.47	N/A	N/A	N/A	N/A	N/A	\$12,131.47	\$12,130.00
			Direct Labour - MP4	\$108.85	23.1	\$2,514.44								
			Direct Labour – Interns	\$63.81	4.4	\$280.76								
			Direct Labour – MCP Staff	\$120.74	9.8	\$1,183.25								
			Direct Labour – GCD Coordinator	\$97.59	2.1	\$204.94								
			Payroll Burden	59.85%	-	\$4,542.18								
2018	26b	Connection Impact Assessment (CIA) Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour - MP2	\$97.97	34.9	\$3,419.15	\$12,206.18	N/A	N/A	N/A	N/A	N/A	\$12,206.18	\$12,205.00
			Direct Labour - MP4	\$109.20	23.1	\$2,522.52								
			Direct Labour – Interns	\$64.27	4.4	\$282.79								
			Direct Labour – MCP Staff	\$121.05	9.8	\$1,186.29								
			Direct Labour – GCD Coordinator	\$97.97	2.1	\$205.74								
			Payroll Burden	60.26%	-	\$4,589.70								

Year	Rate Code	Specific Service Charge Description	Labour Description	Rate Amount	Hours /Unit	Calculated Total	Total Labour	Other Description	Rate Amount	Hours/ Unit	Calculated Total	Total Other	Total	Rounded Total
2019	26b	Connection Impact Assessment (CIA) Greater than Capacity Allocation Exempt Small DG, Small DG and Net Metering	Direct Labour - MP2	\$98.79	34.9	\$3,447.77	\$12,280.11	N/A	N/A	N/A	N/A	N/A	\$12,280.11	\$12,280.00
			Direct Labour - MP4	\$110.05	23.1	\$2,542.16								
			Direct Labour – Interns	\$65.03	4.4	\$286.13								
			Direct Labour – MCP Staff	\$121.93	9.8	\$1,194.91								
			Direct Labour – GCD Coordinator	\$98.79	2.1	\$207.46								
			Payroll Burden	59.93%	-	\$4,601.68								

Schedule 11-2b : Specific Service Charges: Other Formula

(a) Sentinel Lights

The proposed rate for Sentinel Lights has been developed as follows:

Table 15: Specific Service Charges - Sentinel Lights

Line No.	Particulars	Currently Approved	2015	2016	2017	2018	2019
1	Mid-Year Rate Base (\$M)	\$4.51	\$7.30	\$6.88	\$6.46	\$6.03	\$5.61
	Cost of Service (\$M)						
2	Operating, maintenance & administrative	\$2.18	\$1.29	\$1.31	\$1.33	\$1.35	\$1.37
3	Depreciation & amortization	\$0.51	\$1.41	\$1.43	\$1.45	\$1.47	\$1.49
4	Capital taxes- take out	\$0.01	-	-	-	-	-
5	Income taxes	\$0.16	\$0.18	\$0.19	\$0.20	\$0.20	\$0.20
6	Cost of service excluding return	\$2.86	\$2.88	\$2.93	\$2.98	\$3.02	\$3.07
7	Return on capital (\$M)	\$0.31	\$0.49	\$0.48	\$0.46	\$0.43	\$0.41
8	Total revenue requirement (\$M)	\$3.17	\$3.37	\$3.41	\$3.44	\$3.46	\$3.48
9	Mid- Year Number of Sentinel Lights	37,341	31,309	30,699	30,100	29,513	28,938
10	Annual Revenue Requirement per Light	\$84.97	\$107.67	\$110.99	\$114.17	\$117.17	\$120.21
11	Monthly Charge Per Light	\$7.10	\$8.97	\$9.25	\$9.51	\$9.76	\$10.02

Specific Service Charges - Sentinel Poles

The number of sentinel light poles and associated costs are not expected to have changed materially from what was approved as part of Hydro One's last cost-of-service application EB-2009-0096. Hydro One is not requesting a change to the currently approved rate of \$4.15/pole as calculated in EB-2009-0096.

(b) Joint Use

Joint Use - Telecommunications

The methodology used to determine the current Joint Use rate of \$22.35 for Telecommunications companies was provided by the Ontario Energy Board (OEB) in their March 7, 2005 order for Telecommunications pole rental calculations. In the calculations, a space allocation of 21.9% was used.

Table 16 illustrates the calculations for the currently approved rate and the new calculated rates for 2015-2019 using the OEB approved methodology for 2015 and increasing the rate by 1% for each year 2016 to 2019.

Table 16: Telecom Specific Service Charges - Joint Use

Calculation of Telecom Joint Use Costs	Currently Approved Rate	2015	2016	2017	2018	2019
Net Embedded Cost	\$478.00	\$745.86	\$753.32	\$760.85	\$768.46	\$776.14
Depreciation per Pole	31.11	\$12.68	\$12.81	\$12.93	\$13.06	\$13.19
Capital Carrying Cost	54.59	\$63.32	\$63.96	\$64.60	\$65.24	\$65.89
Maintenance (L&F)	7.61	\$82.41	\$83.23	\$84.07	\$84.91	\$85.76
Total Capital Related Costs	\$93.31	\$158.41	\$160.00	\$161.60	\$163.21	\$164.85
Allocated Capital Cost	\$20.43	\$34.69	\$35.04	\$35.39	\$35.74	\$36.10
Loss of Productivity	1.23	\$1.51	\$1.53	\$1.54	\$1.56	\$1.57
Administration	0.69	\$0.85	\$0.86	\$0.87	\$0.87	\$0.88
Vegetation Mgmt	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Licensee Cost	\$22.35	\$37.05	\$37.42	\$37.80	\$38.18	\$38.56

Joint Use - Local Distribution Companies (LDCs) and Generators

The Joint Use reciprocal attachment rate for LDCs is a negotiated rate that was agreed upon with the EDA on behalf of the LDCs and has been in effect for the last 8 years. The methodology used is the same as used for the Telecommunications companies however, the space allocation used is 28.1% given that LDC attachments require more space on a pole due to safety standards.

The sliding scale formula was approved in the 2010 application (EB-2010-0228). The increase in the Generator charge between the currently approved rate and the proposed 2015 rate is due to a correction of the Forestry portion of Maintenance.

The rate increase on a sliding scale is proposed to be the same for LDC power space and Generators.

The Generator joint use current rate was determined at the 2011 OEB hearing. LDCs and Generators both use power space, and require the same space allocation. Therefore the proposal is to use the same rates for LDCs and Generators in 2015 to 2019. Table 17 and Table 18 illustrate the calculations of the current rate, as well as the proposed rates using the OEB approved methodology for 2015 and increasing the rate by 1% for each year 2016 to 2019.

Table 17: LDC Specific Service Charges - Joint Use

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Calculation of LDC Joint Use Costs	Currently Approved Rate	2015	2016	2017	2018	2019
Net Embedded Cost	\$491.22	\$745.86	\$753.32	\$760.85	\$768.46	\$776.14
Depreciation per Pole	\$16.12	\$12.68	\$12.81	\$12.93	\$13.06	\$13.19
Capital Carrying Cost	\$56.10	\$63.32	\$63.96	\$64.60	\$65.24	\$65.89
Maintenance (L&F)	\$21.56	\$82.41	\$83.23	\$84.07	\$84.91	\$85.76
Total Capital Related Costs	\$93.78	\$158.41	\$160.00	\$161.60	\$163.21	\$164.85
Allocated Capital Cost	\$26.35	\$44.51	\$44.96	\$45.41	\$45.86	\$46.32
Loss of Productivity	\$1.57	\$1.51	\$1.53	\$1.54	\$1.56	\$1.57
Administration	\$0.69	\$0.85	\$0.86	\$0.87	\$0.87	\$0.88
Vegetation Mgmt	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Licensee Cost (10 ft of space)	\$28.61	\$46.88	\$47.34	\$47.82	\$48.30	\$48.78
Licensee Cost (15' of power space)	\$28.61	\$56.25	\$56.81	\$57.38	\$57.95	\$58.53
Licensee Cost (20' of power space)	\$28.61	\$62.81	\$63.44	\$64.08	\$64.72	\$65.36
Licensee Cost (25' of power space)	\$28.61	\$66.56	\$67.23	\$67.90	\$68.58	\$69.27
Licensee Cost (30' of power space)	\$28.61	\$70.31	\$71.02	\$71.73	\$72.44	\$73.17
Licensee Cost (35' of power space)	\$28.61	\$73.13	\$73.86	\$74.60	\$75.34	\$76.09
Licensee Cost (40' of power space)	\$28.61	\$75.00	\$75.75	\$76.51	\$77.27	\$78.05
Licensee Cost (45' of power space)	\$28.61	\$76.88	\$77.64	\$78.42	\$79.21	\$80.00
Licensee Cost (50' of power space)	\$28.61	\$77.81	\$78.59	\$79.38	\$80.17	\$80.97
Licensee Cost (55' of power space)	\$28.61	\$79.69	\$80.49	\$81.29	\$82.10	\$82.92
Licensee Cost (60' of power space)	\$28.61	\$80.63	\$81.43	\$82.25	\$83.07	\$83.90

Table 18: Generator Specific Service Charges - Joint Use

Calculation of Generator Joint Use Costs	Currently Approved Rate	2015	2016	2017	2018	2019
Net Embedded Cost	\$663.55	\$745.86	\$753.32	\$760.85	\$768.46	\$776.14
Depreciation per Pole	\$12.14	\$12.68	\$12.81	\$12.93	\$13.06	\$13.19
Capital Carrying Cost	\$60.05	\$63.32	\$63.96	\$64.60	\$65.24	\$65.89
Maintenance (L&F)	\$20.92	\$82.41	\$83.23	\$84.07	\$84.91	\$85.76
Total Capital Related Costs	\$93.11	\$158.41	\$160.00	\$161.60	\$163.21	\$164.85
Allocated Capital Cost	\$26.17	\$44.51	\$44.96	\$45.41	\$45.86	\$46.32
Loss of Productivity	\$1.43	\$1.51	\$1.53	\$1.54	\$1.56	\$1.57
Administration	\$0.80	\$0.85	\$0.86	\$0.87	\$0.87	\$0.88
Vegetation Mgmt	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Licensee Cost (10 ft of power space)	\$28.40	\$46.88	\$47.34	\$47.82	\$48.30	\$48.78
Licensee Cost (15' of power space)	\$34.08	\$56.25	\$56.81	\$57.38	\$57.95	\$58.53
Licensee Cost (20' of power space)	\$38.06	\$62.81	\$63.44	\$64.08	\$64.72	\$65.36
Licensee Cost (25' of power space)	\$40.33	\$66.56	\$67.23	\$67.90	\$68.58	\$69.27
Licensee Cost (30' of power space)	\$42.60	\$70.31	\$71.02	\$71.73	\$72.44	\$73.17
Licensee Cost (35' of power space)	\$44.30	\$73.13	\$73.86	\$74.60	\$75.34	\$76.09
Licensee Cost (40' of power space)	\$45.44	\$75.00	\$75.75	\$76.51	\$77.27	\$78.05
Licensee Cost (45' of power space)	\$46.58	\$76.88	\$77.64	\$78.42	\$79.21	\$80.00
Licensee Cost (50' of power space)	\$47.14	\$77.81	\$78.59	\$79.38	\$80.17	\$80.97
Licensee Cost (55' of power space)	\$48.28	\$79.69	\$80.49	\$81.29	\$82.10	\$82.92
Licensee Cost (60' of power space)	\$48.85	\$80.63	\$81.43	\$82.25	\$83.07	\$83.90

Schedule 11-3a: Specific Service Charges: Revenue

Table 19

Rate Code	Description	Historical Years				Bridge Year		Test Years									
		2010	2011	2012	2013	2014		2015		2016		2017		2018		2019	
		Volume	Volume	Volume	Volume	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
2	Dispute Meter Test	157	133	133	133	133	\$3,990	133	\$3,990	133	\$3,990	133	\$3,990	133	\$3,990	133	\$3,990
3	Collection of account – no disconnect on/load limiter	2,225	1,528	2,461	1,240	1,864	\$55,905	1864	\$55,905	1864	\$55,905	1864	\$55,905	1864	\$55,905	1864	\$55,905
4	Disconnect /load limiter/reconnect-regular hours	21,626	16,898	25,169	10,141	25,169	\$1,635,985	25169	\$1,635,985	25169	\$1,635,985	25169	\$1,635,985	25169	\$1,635,985	25169	\$1,635,985
5	Disconnect /load limiter/reconnect (at meter) trip – after regular hours	1365	1028	492	238	238	\$44,030	238	\$44,030	238	\$44,030	238	\$44,030	238	\$44,030	238	\$44,030
6	Disconnect /load limiter/reconnect (at pole) trip – regular hours	1,257	963	1,495	535	1,063	\$196,562.50	1063	\$196,563	1063	\$196,563	1,063	\$196,562.50	1,063	\$196,562.50	1,063	\$196,562.50

Rate Code	Description	Historical Years				Bridge Year		Test Years									
		2010	2011	2012	2013	2014		2015		2016		2017		2018		2019	
		Volume	Volume	Volume	Volume	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
13b	Retailer Services – Other (includes Bill Ready for Retailers and Service Transaction Requests) as per the Handbook*	\$400,000	\$433,333	\$333,333	\$400,000	N/A	\$333,333	N/A	\$333,333	N/A	\$333,333	N/A	\$333,333	N/A	\$333,333	N/A	\$333,333
14	Special Meter Reads*	N/A	N/A	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0
24	Tingle Voltage Test – In Excess of 4 Hours (per hour)	88	67	123	93	90	\$11,250	93	\$13,020	96	\$13,440	99	\$13,860	102	\$14,790	105	\$15,225
25	Standby Administration Charge per month	0	0	0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0

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Rate Code	Description	Historical Years				Bridge Year		Test Years									
		2010	2011	2012	2013	2014		2015		2016		2017		2018		2019	
		Volume	Volume	Volume	Volume	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
27	Sentinel Lights Rental Rate per month	34,553	33,891	33,229	32,567	31,932	\$2,720,602	31309	\$3,371,011	30699	\$3,407,287	30100	\$3,436,425	29513	\$3,458,088	28938	\$3,478,638
28	Sentinel Lights Pole Rental Rate per month	1,858	1,800	1,742	1,685	1,631	\$81,219	1579	\$78,612	1528	\$76,089	1,479	\$73,646	1431	\$71,282	1385	\$68,994
29	Joint Use rate for Telecom Companies per pole per year	272,869	275,119	278,252	279,145	283,127	\$6,184,072	287167	\$10,398,770	291266	\$10,652,680	295425	\$10,912,867	301448	\$11,246,713	305743	\$11,521,019
30	Joint Use rate for Generator Companies per pole per year	2529	2748	3274	3,312	3353	\$182,139	3353	\$301,218	3353	\$304,230	3353	\$307,273	3353	\$310,345	3353	\$313,449
31	Joint Use for LDCs per pole per year	10,506	11,275	11,757	11,607	12,011	\$343,633	12429	\$582,610	12861	\$608,914	13309	\$636,405	13772	\$665,138	14251	\$695,167

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Rate Code	Description	Historical Years				Bridge Year		Test Years									
		2010	2011	2012	2013	2014		2015		2016		2017		2018		2019	
		Volume	Volume	Volume	Volume	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
32	Joint Use rate for Municipal Streetlights per year	84880	84880	105842	81481	81481	\$166,221	81481	\$166,221	81481	\$166,221	81481	\$166,221	81481	\$166,221	81481	\$166,221

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3 *Special Meter reads are taken for retailers. Our current Statistical Key Figure (SKF) reporting does not keep a count of these special

4 reads.

5 **The volumes for these charges are not tracked. The figures for these charges show revenue collected.

Note: Retail codes 13a and 13b are shown in schedule 11-3a as approved rates only. The revenue generated from these service charges is not included as external revenue but can be found in the RCVA variance account as identified in Exhibit F1, Tab1, Schedule 2.

Schedule 11-3b: Specific Service Charges: Capital Contributions

		Historical Years					Bridge Year			Test Years														
Rate Code	Description	Amount	2010	2011	2012	2013	2014			2015			2016			2017			2018			2019		
			Volume	Volume	Volume	Volume	Amount	Volume Forecast	Proposed Capital *	Amount	Volume Forecast	Proposed Capital *	Amount	Volume Forecast	Proposed Capital *	Amount	Volume Forecast	Proposed Capital *	Amount	Volume Forecast	Proposed Capital *	Amount	Volume Forecast	Proposed Capital *
1	Temporary Service	\$500	510	420	443	414	\$500.00	312	\$156,000.00	\$500.00	312	\$156,000.00	\$500.00	312	156000	\$500.00	312	\$156,000.00	\$500.00	312	\$156,000.00	\$500.00	312	\$156,000.00
15	Service Layout Fee – Basic	\$562	190	210	202	204	\$562.00	147	\$82,614.00	\$630.00	147	\$92,610	\$635.00	147	\$93,345	\$640.00	147	\$94,080	\$645.00	147	\$94,815	\$650.00	147	\$95,550
16	Service Layout Fee – Complex	\$750	8	9	8	8	\$750.00	6	\$4,500	\$835.00	6	\$5,010.00	\$845.00	6	\$5,070.00	\$850.00	6	\$5,100	\$860	6	\$5,160	\$865.00	6	\$5,190
17	Crossing Application – Pipeline	\$2,600	1	2	3	5	\$2,600.00	3	\$7,800	\$2,510.00	3	\$7,530.00	\$2,540.00	3	\$7,620.00	\$2,555.00	3	\$7,665.00	\$2,585.00	3	\$7,755.00	\$2,600.00	3	\$7,800.00
18	Crossing Application – Water	\$2,960	44	69	73	101	\$2,960.00	71	\$210,160	\$3,190.00	71	\$226,490.00	\$3,225.00	71	\$228,975.00	\$3,250.00	71	\$230,750.00	\$3,285.00	71	\$233,235.00	\$3,305.00	71	\$234,655.00
19	Crossing Application – Railroad	\$3,100	17	30	41	33	\$3,100.00	30	\$93,000.00	\$6,060.00	30	\$181,800.00	\$6,095.00	30	\$182,850.00	\$6,120.00	30	\$183,600.00	\$6,155.00	30	\$184,650.00	\$6,180.00	30	\$185,400.00
20	Line Staking – per meter	\$3.75	170,199	193,339	161,227	174,921	\$3.75	178,000	\$667,500.00	\$4.55	183,000	\$832,650.00	\$4.95	185,000	\$915,750.00	\$4.95	185,000	\$915,750.00	\$5.00	185,000	\$925,000.00	\$5.05	185,000	\$934,250.00
21	Central Metering – New service < 45 kW	\$115	929	780	889	587	\$115.00	796	\$91,568.75	\$120.00	796	\$95,550	\$120	796	\$95,550	\$120	796	\$95,550	\$120	796	\$95,550	\$120	796	\$95,550
22	Conversion to Central Metering < 45 kW	\$935	1619	494	559	623	\$935.00	824	\$770,206.25	\$1,035.00	824	\$852,581	\$1,045	824	\$860,819	\$1,050	824	\$864,938	\$1,060	824	\$873,175	\$1,065	824	\$877,294
23	Conversion to Central Metering > 45 kW	\$815	74	26	19	92	\$815.00	53	\$42,991.25	\$915.00	53	\$48,266	\$925	53	\$48,794	\$930	53	\$49,058	\$940	53	\$49,585	\$945	53	\$49,849

Note: “N/A” in schedule 3 infers that the data is not tracked and hence not available.