

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.

Hydro One proposes to update the rate class review on a province-wide basis every 5 years to coincide with the resetting of rates as part of a rates application. Individual

1 density zones will be updated in the interim period between rates applications if there are
2 property developments within or adjacent to a density zone that result in a material
3 change to the rate classification of affected customers.

4 5 **2.0 NEW UNMETERED SCATTERED LOAD (USL) RATE CLASS**

6
7 Per the direction of the Board in its report *Review of Electricity Distribution Cost*
8 *Allocation Policy* issued March 31, 2011, Hydro One has created a separate USL rate
9 class.

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

21
22 USL customers were previously treated as General Service energy (“GSe”) customers,
23 with a reduced monthly fixed charge to reflect that USL customers do not have any
24 metering related costs. The number of USL customers and forecast kWh represented
25 only a small portion of the GSe customers and load, and as such, the separation of this
26 class has resulted in a negligible impact to the allocation of GSe costs. The creation of a
27 separate USL rate class will have a small impact on other rate classes given that the USL

1 class' R/C ratio, as discussed in Exhibit G1, Tab 3, Schedule 1, is above the Board
2 approved range and Hydro One plans to bring the R/C ratios for all its rate classes to a
3 range of 98% to 102%.

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

7 8 **3.0 REVIEW OF SEASONAL RATE CLASS**

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

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

26
27 A review of Hydro One's historical consumption data indicates that there are a number of
28 Seasonal customers that have annual consumption and monthly load profile

1 characteristics very similar to that of year-round residential customers. To better align
2 with cost causality and fairness rate principles, Hydro One proposes to treat as year-round
3 residential customers those Seasonal customers that i) consume at least 9,600 kWh
4 annually and ii) consume at least 600 kWh monthly for a minimum of 10 months of the
5 year. The definition of Seasonal rate class included in the proposed rate schedules
6 provided at Exhibit G2, Tab 2, Schedule 1 have been revised to reflect the proposed
7 change.

8
9 Hydro One's proposal will result in moving approximately 11,000 Hydro One Seasonal
10 customers, or 7%, of the total number of Seasonal customers to the medium density
11 residential (R1) and low density residential (R2) rate classes. This change has been
12 incorporated into the customer load forecast included with this application for the 2015-
13 2019 Custom COS period.

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

20
21 Hydro One believes that its consultation efforts and proposed changes to the definition of
22 the Seasonal rate class, combined with the proposed changes to the fixed charges for the
23 Seasonal class as discussed at Exhibit G1, Tab 4, Schedule 1, satisfies the requirement of
24 issue #17 in the settlement agreement for the 2013 IRM application EB-2012-0136.

25
26 A number of potential options discussed with stakeholders were not evaluated further as
27 they received very limited stakeholder support. Hydro One has not provided the results

1 associated with eliminating the Seasonal class and moving all seasonal customers into
2 year-round residential classes as the company believes this option is less consistent with
3 the rate-making principle of cost causality and increases the cross-subsidization among
4 customers in the amalgamated residential rate classes.

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.

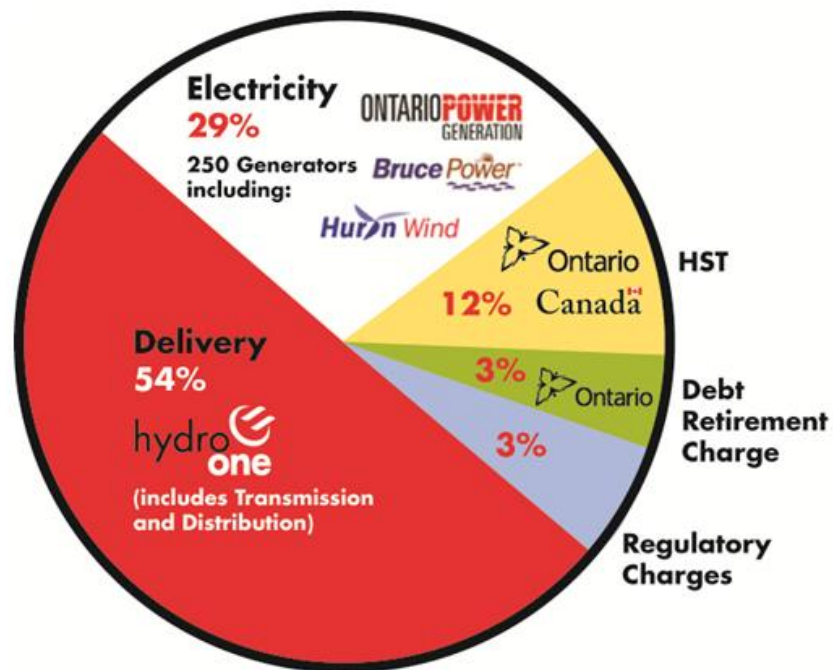
The most popular optional rate principle was "Option 2: Moving high-consuming customers with residential-like consumption into residential rate class"; the second most popular option is to maintain the status quo - i.e. the current structure.

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

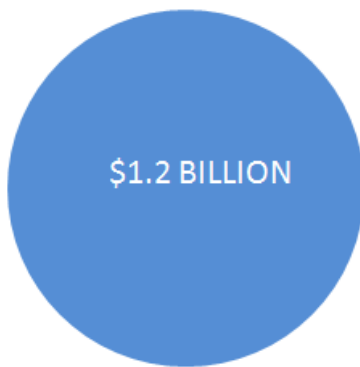
The Ontario Energy Board (OEB) approves rates with input from Hydro One and stakeholders.

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

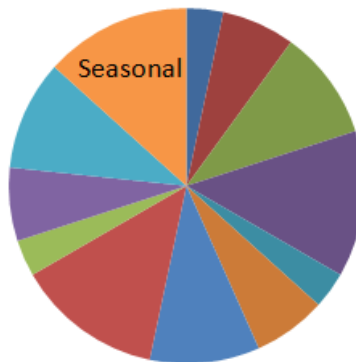
Of that, seasonal rate payers represent approximately \$100 million.

For illustration purposes only

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



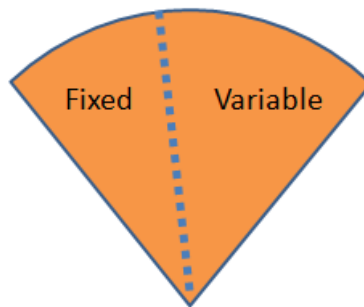
It has 12 "customer
classes" each representing
a specific cost...



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).

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

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

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

5
6 **Table 1**
7 **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

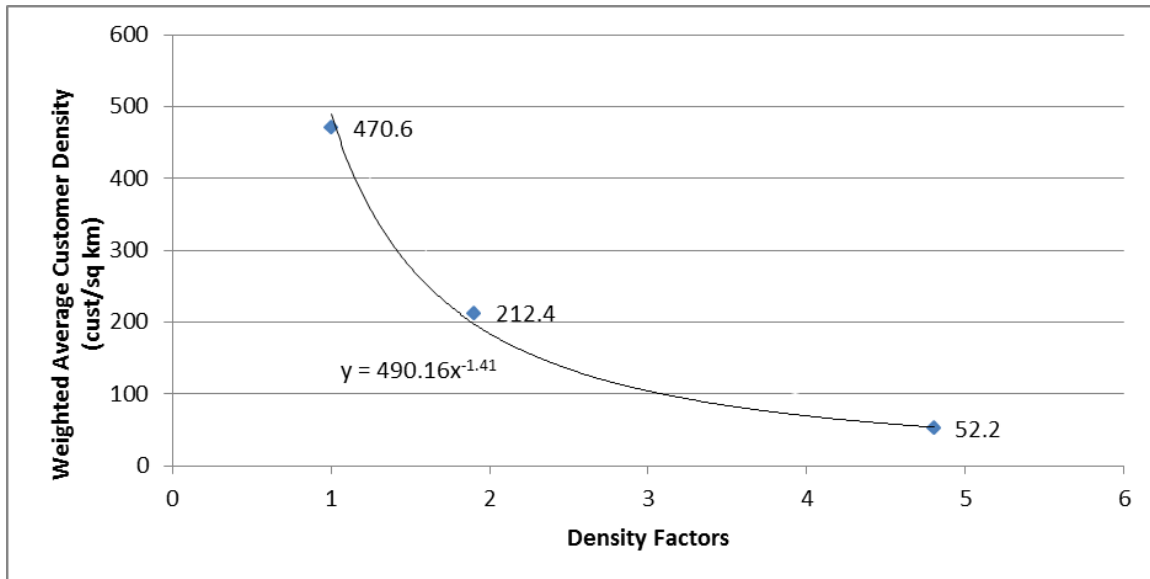
Rate Class	Weighted Average Customer Density (Cust per km²)	Density Factors from the Density Study
UR	470.6	1.0
R1	212.4	1.9
R2	52.2	4.8
Seasonal	80.8	3.6 *
UGe	478.2	1.0
GSe	145.2	2.4*
UGd	484.8	1.0
GSd	164.4	2.2*

* 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

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

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

Table 6
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	129	115	118	113	115	110	111	105	106	102	85 - 115
R1	123	115	116	113	114	110	110	105	106	102	85 - 115
R2	92	94	94	94	95	96	96	98	98	99	85 - 115
Seasonal	91	94	94	94	95	96	97	98	98	99	85 - 115
GSe	103	103	103	103	102	102	101	101	101	101	80 - 120
UGe	71	94	95	94	93	96	95	98	97	99	80 - 120
GSd	91	94	92	94	91	96	93	98	95	99	80 - 120
UGd	93	94	92	94	91	96	93	98	95	99	80 - 120
St. Lgt	88	94	93	94	94	96	96	98	98	99	70 - 120
Sen. Lgt	89	91	90	92	92	95	96	98	99	99	80 - 120
USL	124	120	121	113	114	110	111	105	106	102	80 - 120
DGen	39	51	56	67	69	79	81	91	93	99	80 - 120*
ST	72	94	94	94	95	96	95	98	97	99	85 - 115

* Assume same as for GSe

- 1 Exhibit G2, Tab 1, Schedule 7 provides a summary of the cost allocation results by rate
- 2 class in the format required per Appendix 2-P of the Board's July 17, 2013 updated Filing
- 3 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	20.45	0.0176		21.02	0.0182		20.68	0.0179		20.01	0.0174		19.65	0.0172	
R1	28.16	0.0311		29.44	0.0326		29.16	0.0323		28.31	0.0315		27.91	0.0313	
R2	67.96	0.0457		73.24	0.0497		75.69	0.0517		77.92	0.0540		80.21	0.0564	
Seasonal	26.57	0.0905		28.45	0.0978		29.63	0.1019		30.29	0.1047		31.14	0.1088	
GSe	30.08	0.0538		32.32	0.0576		33.27	0.0593		33.67	0.0607		34.17	0.0626	
UGe	23.15	0.0240		24.76	0.0255		26.38	0.0271		27.48	0.0284		28.54	0.0299	
GSd	83.96		13.7208	91.53		15.1456	98.56		16.4418	103.54		17.6167	108.41		18.8109
UGd	85.01		7.8589	92.91		8.6492	100.56		9.383	106.14		10.0451	111.64		10.7214
St Lgt	4.02	0.0907		4.39	0.0988		4.57	0.1038		4.72	0.1079		4.90	0.1119	
Sen Lgt	2.42	0.1149		2.78	0.1298		3.04	0.1406		3.25	0.1494		3.39	0.1538	
USL	39.41	0.0307		39.52	0.0303		39.41	0.0297		38.11	0.0286		37.56	0.0282	
DGen	168.02		3.2651	208.09		4.7988	238.69		6.2919	266.3		7.6646	285.63		8.8373

* 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		(\$4.22)	-11.2%	(\$6.23)	-4.4%	\$0.76	2.3%	\$0.77	0.6%	\$0.49	1.4%	\$0.50	0.4%	\$0.39	1.1%	\$0.40	0.3%	\$0.59	1.7%	\$0.60	0.4%
R1	800		(\$0.75)	-1.4%	(\$2.42)	-1.5%	\$1.95	3.8%	\$1.98	1.3%	\$1.20	2.3%	\$1.22	0.8%	\$0.63	1.2%	\$0.64	0.4%	\$1.42	2.6%	\$1.44	0.9%
R2	800		\$6.23	9.7%	\$6.85	4.0%	\$7.19	10.2%	\$7.31	4.1%	\$7.55	9.7%	\$7.68	4.2%	\$9.00	10.5%	\$9.15	4.8%	\$9.01	9.5%	\$9.16	4.6%
Seasonal	400		\$2.72	4.7%	\$2.57	2.3%	\$4.05	6.7%	\$4.12	3.6%	\$4.96	7.6%	\$5.04	4.3%	\$4.69	6.7%	\$4.77	3.9%	\$5.35	7.2%	\$5.44	4.3%
GSe	2,000		\$10.20	8.3%	\$12.65	3.4%	\$8.27	6.2%	\$8.41	2.2%	\$8.97	6.4%	\$9.12	2.3%	\$9.57	6.4%	\$9.73	2.4%	\$10.38	6.5%	\$10.56	2.5%
UGe	2,000		\$21.24	44.9%	\$18.28	6.1%	\$3.74	5.5%	\$3.80	1.2%	\$7.18	9.9%	\$7.30	2.3%	\$7.01	8.8%	\$7.13	2.2%	\$7.56	8.7%	\$7.69	2.3%
GSd	35,000	120	\$226.79	15.8%	\$216.10	3.5%	\$155.93	9.4%	\$176.20	2.8%	\$221.85	12.2%	\$250.69	3.8%	\$235.06	11.5%	\$265.62	3.9%	\$240.54	10.6%	\$271.81	3.8%
UGd	35,000	120	\$130.56	15.3%	\$131.06	2.4%	\$89.39	9.1%	\$101.01	1.8%	\$130.83	12.2%	\$147.84	2.6%	\$137.73	11.4%	\$155.64	2.6%	\$141.17	10.5%	\$159.53	2.6%
St Lgt	500		\$9.14	23.7%	\$9.13	9.3%	\$3.83	8.0%	\$3.90	3.6%	\$4.41	8.6%	\$4.48	4.0%	\$4.54	8.1%	\$4.62	4.0%	\$4.52	7.5%	\$4.60	3.8%
Sen Lgt	50		\$1.26	18.9%	\$1.26	9.8%	\$0.99	12.5%	\$1.01	7.1%	\$1.09	12.2%	\$1.11	7.3%	\$1.08	10.8%	\$1.10	6.8%	\$0.79	7.1%	\$0.80	4.6%
USL	500		\$2.61	5.2%	\$2.00	1.8%	(\$0.54)	-1.0%	(\$0.55)	-0.5%	\$1.34	2.6%	\$1.36	1.2%	\$0.26	0.5%	\$0.26	0.2%	\$1.11	2.1%	\$1.13	1.0%
DGen	2,000	20	\$61.57	37.4%	\$75.75	17.4%	\$65.91	29.1%	\$74.48	14.6%	\$69.72	23.9%	\$78.79	13.4%	\$71.80	19.8%	\$81.14	12.2%	\$61.37	14.2%	\$69.35	9.3%
ST	500,000	1,000	\$603.07	34.2%	\$1,242.63	1.9%	\$196.00	8.3%	\$221.48	0.3%	\$172.54	6.7%	\$194.97	0.3%	\$223.02	8.2%	\$252.01	0.4%	\$220.25	7.4%	\$248.88	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	38%	62%	59%	41%
R1	38%	62%	48%	52%
R2	56%	44%	55%	45%
Seasonal	47%	53%	52%	48%
GSe	31%	69%	22%	78%
UGe	18%	82%	25%	75%
GSd	4%	96%	5%	95%
UGd	3%	97%	7%	93%
St Lgt	1%	99%	2%	98%
Sen Lgt	20%	80%	26%	74%
USL	67%	33%	78%	22%
DGen	26%	74%	74%	26%
ST	19%	81%	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)*	CAM Scenario1: Customer Unit Cost per Month - Avoided Cost	CAM Scenario2: Customer Unit Cost per Month - Directly Related	CAM Scenario3: Customer Unit Cost per Month - Min System with PLCC Adjustment
UR	12.72	20.45	7.91	10.02	20.45
R1	20.15	28.16	7.68	9.83	28.16
R2	29.11	37.46	8.47	10.95	50.46
Seasonal	19.71	26.57	7.52	9.37	51.66
GSe	35.92	30.08	16.58	20.82	30.08
UGe	10.20	23.15	19.63	24.19	23.15
GSd	52.27	83.96	58.63	75.41	83.96
UGd	28.71	85.01	65.92	82.35	85.01
St Lgt	1.47	4.02	3.00	4.02	23.62
Sen Lgt	1.50	2.42	1.78	2.42	15.87
USL	29.69	39.41	7.08	9.34	39.41
DGen	38.13	168.02	89.19	147.88	168.02
ST	294.97	453.70	321.19	427.62	618.19

* 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

1 applicable to R2 customers is taken into consideration. The fixed charge for the Seasonal
2 customer class is set to collect a fixed revenue share equivalent to the average of the R2
3 and R1 fixed revenue share, in recognition that Seasonal customers are located in both
4 medium and low density zones. Hydro One does not propose adopting the minimum
5 system fixed charge for the Seasonal customer class as this would represent a 2.5 times
6 increase in the current fixed charge and would result in large rate impacts to the many
7 low consumption customers within the Seasonal rate class.

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

13
14 The minimum system fixed charge calculated by the CAM also provides the basis for
15 establishing the fixed charges for the ST rate class, as described in Section 4.0 of this
16 Exhibit.

17
18 For all classes, the volumetric rate was set to recover the balance of the revenue to be
19 collected from each rate class.

20 21 **4.0 CALCULATION OF SUB-TRANSMISSION (ST) RATES**

22 23 **4.1 Introduction**

24
25 The charges for the use of Common ST lines, High Voltage Distribution Stations
26 (“HVDS”), Low Voltage Distribution Stations (“LVDS”), Specific ST Line and Specific
27 Primary Line, were derived using the results of the CAM for each year of the Custom
28 COS period.

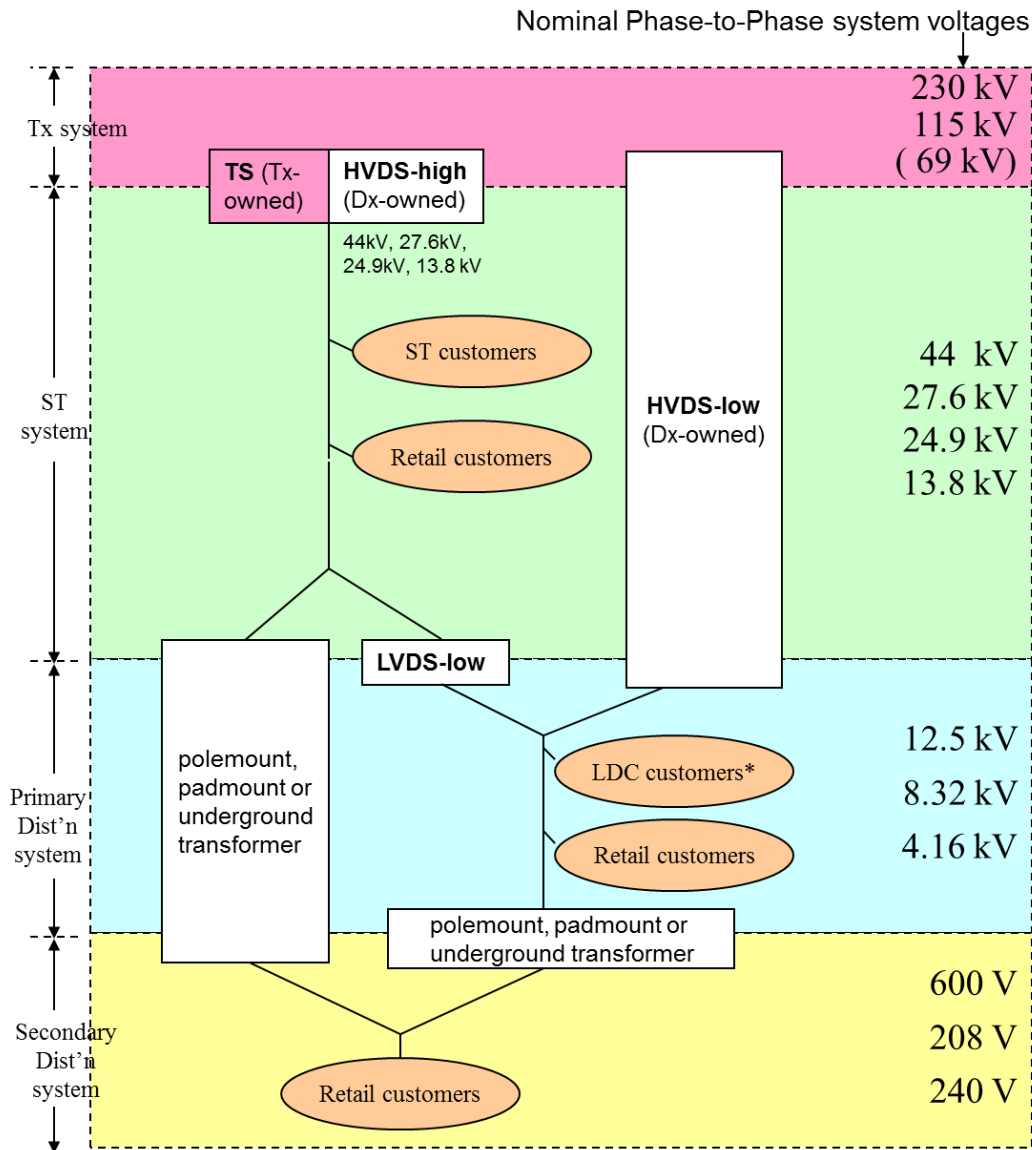
1 The methodology used in this application for the allocation of costs to the ST rate class,
2 as discussed in Exhibit G1, Tab 3, Schedule 1, as well as for the design of ST rates has
3 not changed from the methodology that was used in Hydro One's 2008 and 2010/11 COS
4 applications, EB-2007-0681 and EB-2009-0096, respectively. Unlike many other host
5 distributors, Hydro One has had approved ST rates applicable to its embedded
6 distributors since 2008. As such, embedded distributors have had the opportunity to
7 review the cost allocation and rate design of the rates applicable to them as part of the
8 regulatory approval process for Hydro One's last two COS applications.

9
10 The HVDS and Common ST line charges are billed to customers supplied from multiple
11 feeders connected to the same Transmission Station ("TS") or HVDS based on their
12 aggregated billing demand. The aggregation of billing demand is consistent with the
13 billing of Retail Transmission Service Rates ("RTSR") and was previously reviewed and
14 approved in Hydro One's 2008 and 2010/11 COS applications, EB-2007-0681 and EB-
15 2009-0096, respectively.

16
17 As previously reviewed and approved by the Board in Hydro One's 2008 and 2010/11
18 COS applications, EB-2007-0681 and EB-2009-0096, customers with load displacement
19 generation above 1 MW, or 2 MW for renewable generation, installed after October
20 1998, are billed ST volumetric charges on a gross load basis.

21
22 Figure 1 provides a simplified diagram of the basic elements of the distribution system
23 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	\$	294.97	453.70	441.70	424.87	427.79	430.1
Meter Charge	\$/meter	476.35	675.53	782.25	833.62	886.74	934.76
Common Line	\$/kW	0.682	1.1227	1.2500	1.3182	1.3849	1.4552
Specific ST Line	\$/km	647.16	960.9097	821.1486	865.0076	858.9937	868.5871
Specific Primary Line	\$/km	501.55	722.7036	617.5888	650.5753	646.0522	653.2675
HVDS-high	\$/kW	1.632	1.8444	1.8444	1.8444	1.8444	1.8444
HVDS-low	\$/kW	3.618	3.8691	3.4110	3.4411	3.4763	3.4874
LVDS-low	\$/kW	1.987	2.0247	1.5666	1.5967	1.6319	1.643

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

1 4.2.2 Meter rate for Hydro One Owned Meter

2
3 Most of the customers in the ST group provide their own metering facilities. To reflect
4 this, Hydro One has an additional fixed charge, per metering facility, applicable to
5 customers for whom Hydro One provides metering facilities. The meter charge is set to
6 recover Hydro One's low voltage metering facility costs allocated to the ST rate class in
7 the CAM.

8
9 4.2.3 Common ST Line Rate

10
11 The CAM and rate design process determine the total rates revenue requirement to be
12 collected from the ST rate class, as shown in Exhibit G1, Tab 4, Schedule 2. The amount
13 that is not recovered through the other ST charges (i.e. fixed service, meter, HVDS-high,
14 HVDS-low, LVDS-low, Specific ST Line and Specific Primary Line) are recovered
15 through the Common ST Line charge. Common ST Line is a volumetric charge. Details
16 of the derivation of the Common ST Line rates are provided in Exhibit G1, Tab 4,
17 Schedule 3.

18
19 4.2.4 HVDS-High Rate

20
21 Customers in the ST class can obtain transformation from above 50 kV to a voltage
22 between 44 kV and 13.8 kV either through the use of an HVDS-high, or through a TS
23 owned by Hydro One Transmission. Customers that obtain supply through a TS are
24 charged RTSR – transformation. Therefore, for consistency purposes, the HVDS-high
25 rate is set equivalent to the RTSR – transformation rate adjusted for losses. HVDS-high
26 is a volumetric charge.

1 *4.2.5 HVDS-low Rate*

2
3 HVDS-low stations transform power from above 50 kV to under 13.8 kV. Consistent
4 with the current rate structure, the HVDS-low rate is set to be the sum of the HVDS-high
5 rate and LVDS-low rate. This ensures that the rate for transformation from above 50kV
6 to below 13.8kV is equivalent for all delivery points, regardless of the type of upstream
7 transformation facilities used. HVDS-low is a volumetric charge.

8
9 *4.2.6 LVDS-low Rate*

10
11 LVDS-low stations transform power from above 13.8 kV to under 13.8 kV. The rate is
12 set to recover the LVDS-low portion of the costs attributable to distribution stations that
13 are allocated to the ST rate class, as determined by the the CAM. The ST LVDS-low
14 portion of the distribution stations costs is based on the gross book value of assets
15 associated with providing ST service from LVDS-low stations as a share of the total
16 LVDS station assets. LVDS-low is a volumetric charge. Details of the derivation of the
17 LVDS-low rate are provided in Exhibit G1, Tab 4, Schedule 3.

18
19 *4.2.7 Specific ST Line and Specific Primary Line Rates*

20
21 A line section is “specific” if it supplies solely one LDC and is within that LDC’s
22 territory. Specific ST lines are those between 44 kV and 13.8 kV, while Specific Primary
23 lines are between 12.5 kV and 4.16 kV.

24
25 The Specific ST line rate is set to the average per kilometer cost for all lines on Hydro
26 One’s distribution system. The specific Primary line rate is adjusted for the relationship
27 in unit costs between the average distribution line cost and the cost of Primary lines.

1 Details of the derivation of the Specific ST line rates are provided in Exhibit G1, Tab 4,
2 Schedule 3.

3
4 Specific ST and Primary line rates are applied to the length of the specific line section
5 (km) rather than to demand (kW).

6
7 **4.2.8 Updating ST Charges Over the Custom COS Period**
8

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

16
17 **4.3 Milton Hydro ST Charges**
18

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

26
27 Hydro One noted in EB-2009-0096 that if the Board were to approve the use of the
28 Specific ST Line, kilometer-based charge, for all customers in a similar situation to

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

8
9 The sale of the subject assets to Milton Hydro continues to be explored, but has not been
10 completed. Given the impacts of using the Specific ST Line rate for all customers in
11 Milton Hydro's situation, as described above, Hydro One proposes that no changes be
12 made to the current approach to ST charges described in this exhibit.

13 14 **5.0 REVENUE RECONCILIATION**

15
16 A reconciliation of the revenue at proposed rates and the revenue requirements by rate
17 class, as per the requirements of Appendix 2-V of the Board's Filing Requirements, are
18 provided in Exhibit G2, Tab 1, Schedule 8.

19 20 **6.0 TRANSFORMER COST ALLOWANCE**

21
22 There are circumstances under which Hydro One does not supply customers with
23 transformation equipment, but rather the customer provides its own equipment. This
24 occurs usually when the customer has unique consumption characteristics that require the
25 use of special equipment not usually provided by Hydro One. Since the rates developed
26 for most customer classes assume that Hydro One provides transformation to the
27 customer, customers in classes that provide their own transformation are entitled to
28 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 to be Recovered (\$)	Rate Adder for CSTA (\$/kW)
2015	1,149,589	0.0978
2016	1,157,525	0.0983
2017	1,166,050	0.0986
2018	1,163,643	0.0989
2019	1,159,528	0.0992

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	91,195	0.0108
2016	99,788	0.0117
2017	111,980	0.0131
2018	124,974	0.0147
2019	138,288	0.0163

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

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

Rate Class	Number of Customers	GWh	kW	Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2013 R/C Ratio	R/C Ratio from 2015 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	209,540	2,001	-	\$ 102,331,383	\$ 79,113,630	\$ 4,231,535	\$ 98,099,848	1.15	1.29	1.15	\$ 90,980,675	\$(11,350,709)	-12%	\$ 20.45	\$ 51,427,454	\$ 35,321,685	1.765		59%
R1	438,279	5,052	-	\$ 339,049,659	\$ 276,037,347	\$ 11,974,293	\$ 327,075,366	1.06	1.23	1.15	\$ 317,442,949	\$(21,606,710)	-7%	\$ 28.16	\$ 148,095,406	\$ 157,373,247	3.115		48%
R2	335,043	4,933	-	\$ 565,717,161	\$ 548,009,481	\$ 15,740,401	\$ 489,978,761	0.93	0.92	0.94	\$ 514,443,620	\$ 6,726,459	2%	\$ 67.96	\$ 273,243,014	\$ 225,460,205	4.570		55%
Seasonal	143,666	474	-	\$ 89,006,651	\$ 97,736,968	\$ 3,027,588	\$ 85,979,063	1.15	0.91	0.94	\$ 91,750,528	\$ 2,743,678	3%	\$ 26.57	\$ 45,813,014	\$ 42,909,927	9.051		52%
GSe	93,508	2,195	-	\$ 156,126,304	\$ 151,958,792	\$ 4,362,042	\$ 151,764,262	1.05	1.03	1.03	\$ 156,126,304	\$ -	0%	\$ 30.08	\$ 33,750,230	\$ 118,014,032	5.377		22%
GSd	6,113	2,404	8,484,670	\$ 121,360,791	\$ 133,130,461	\$ 2,400,876	\$ 118,959,915	0.93	0.91	0.94	\$ 124,976,152	\$ 3,615,361	3%	\$ 83.96	\$ 6,158,534	\$ 116,416,742	4.843	13.721	5%
UGe	17,768	604	-	\$ 15,177,882	\$ 21,371,749	\$ 611,960	\$ 14,565,922	1.20	0.71	0.94	\$ 20,062,718	\$ 4,884,836	34%	\$ 23.15	\$ 4,936,367	\$ 14,514,391	2.403		25%
UGd	1,901	1,068	3,058,267	\$ 26,183,552	\$ 28,084,764	\$ 390,579	\$ 25,792,972	1.20	0.93	0.94	\$ 26,364,557	\$ 181,006	1%	\$ 85.01	\$ 1,939,420	\$ 24,034,558	2.251	7.859	7%
St Lgt	4,883	124	-	\$ 11,030,371	\$ 12,515,616	\$ 310,100	\$ 10,720,271	0.93	0.88	0.94	\$ 11,749,028	\$ 718,657	7%	\$ 4.02	\$ 235,424	\$ 11,203,504	9.071		2%
Sen Lgt	30,009	22	-	\$ 6,843,806	\$ 7,706,116	\$ 3,638,981	\$ 3,204,825	0.93	0.89	0.91	\$ 7,016,268	\$ 172,462	5%	\$ 2.42	\$ 872,015	\$ 2,505,272	11.495		26%
USL	5,642	24	-	\$ 3,605,254	\$ 2,914,636	\$ 91,809	\$ 3,513,445	NA	1.24	1.20	\$ 3,497,563	\$(107,690)	-3%	\$ 39.41	\$ 2,667,995	\$ 737,760	3.067		78%
DGen	1,010	21	216,099	\$ 2,150,371	\$ 5,548,950	\$ 88,122	\$ 2,062,249	1.00	0.39	0.51	\$ 2,830,087	\$ 679,716	33%	\$ 168.02	\$ 2,036,375	\$ 705,589	3.344	3.265	74%
ST	810	16,560	30,696,855	\$ 36,352,092	\$ 50,806,767	\$ 965,465	\$ 35,386,627	1.01	0.72	0.94	\$ 47,694,827	\$ 11,342,735	32%	\$ 862.46	\$ 8,380,897	\$ 38,348,465	0.232	1.249	18%

Total 1,288,172 35,483 42,455,891 \$ 1,414,935,276 \$ 1,414,935,276 \$47,833,750 \$ 1,367,101,526 \$ 1,414,935,276 \$ 0 \$ 579,556,148 \$ 787,545,378

Total Revenue from Rates \$ 1,367,101,526
Misc Revenue \$ 47,833,750
Total Revenue Requirement \$ 1,414,935,276

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

Sen Lgt 0.91
DGen 0.51

2015 Revenue at 2014 rates \$ 1,158,859,444

% Change in Revenue from Rates 17.9696%

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							
Rate Class	Number of Customers	GWh	kW	Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2015 R/C Ratio	R/C Ratio from 2016 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	211,691	2,016	-	\$ 98,020,855	\$ 83,286,114	\$ 4,285,375	\$ 93,735,481	1.15	1.18	1.13	\$ 94,337,170	\$(3,683,685)	-4%	\$ 21.02	\$ 53,385,366	\$ 36,666,429	1.819		59%
R1	443,872	5,109	-	\$ 343,380,462	\$ 296,395,475	\$ 12,239,441	\$ 331,141,022	1.15	1.16	1.13	\$ 335,723,556	\$(7,656,906)	-2%	\$ 29.44	\$ 156,829,551	\$ 166,654,565	3.262		48%
R2	337,693	4,923	-	\$ 552,603,260	\$ 590,424,466	\$ 16,150,369	\$ 536,452,891	0.94	0.94	0.94	\$ 557,852,211	\$ 5,248,951	1%	\$ 73.24	\$ 296,802,263	\$ 244,899,579	4.974		55%
Seasonal	144,188	471	-	\$ 98,101,567	\$ 104,157,520	\$ 3,093,602	\$ 95,007,965	0.94	0.94	0.94	\$ 98,411,407	\$ 309,840	0%	\$ 28.45	\$ 49,218,341	\$ 46,099,464	9.782		52%
GSe	93,788	2,206	-	\$ 167,982,685	\$ 162,857,181	\$ 4,426,150	\$ 163,556,535	1.03	1.03	1.03	\$ 167,982,685	\$ -	0%	\$ 32.32	\$ 36,372,665	\$ 127,183,870	5.764		22%
GSd	6,196	2,438	8,493,971	\$ 134,101,129	\$ 145,968,678	\$ 2,464,503	\$ 131,636,627	0.94	0.92	0.94	\$ 137,915,947	\$ 3,814,818	3%	\$ 91.53	\$ 6,805,470	\$ 128,645,975	5.277	15.146	5%
UGe	17,808	609	-	\$ 21,589,209	\$ 22,720,703	\$ 615,211	\$ 20,973,998	0.94	0.95	0.94	\$ 21,467,258	\$ (121,951)	-1%	\$ 24.76	\$ 5,291,997	\$ 15,560,050	2.555		25%
UGd	1,907	1,077	3,045,878	\$ 28,143,158	\$ 30,551,064	\$ 395,395	\$ 27,747,763	0.94	0.92	0.94	\$ 28,865,637	\$ 722,480	3%	\$ 92.91	\$ 2,125,811	\$ 26,344,432	2.446	8.649	7%
St Lgt	4,927	125	-	\$ 12,721,861	\$ 13,671,503	\$ 316,769	\$ 12,405,092	0.94	0.93	0.94	\$ 12,917,280	\$ 195,419	2%	\$ 4.39	\$ 259,330	\$ 12,341,181	9.876		2%
Sen Lgt	29,840	22	-	\$ 7,320,516	\$ 8,172,135	\$ 3,675,232	\$ 3,645,284	0.91	0.90	0.92	\$ 7,533,421	\$ 212,905	6%	\$ 2.78	\$ 996,184	\$ 2,862,005	12.979		26%
USL	5,691	25	-	\$ 3,787,980	\$ 3,122,197	\$ 91,474	\$ 3,696,506	1.20	1.21	1.13	\$ 3,536,475	\$ (251,505)	-7%	\$ 39.52	\$ 2,698,739	\$ 746,261	3.028		78%
DGen	1,289	23	232,370	\$ 3,700,788	\$ 6,637,167	\$ 101,542	\$ 3,599,246	0.51	0.56	0.67	\$ 4,434,883	\$ 734,095	20%	\$ 208.09	\$ 3,218,242	\$ 1,115,098	4.851	4.799	74%
ST	816	16,629	30,723,761	\$ 51,139,417	\$ 54,628,685	\$ 971,768	\$ 50,167,649	0.94	0.94	0.94	\$ 51,614,956	\$ 475,539	1%	\$ 927.97	\$ 9,082,840	\$ 41,560,348	0.250	1.353	18%
Total	1,299,705	35,674	42,495,980	\$ 1,522,592,888	\$ 1,522,592,888	\$ 48,826,830	\$ 1,473,766,058				\$ 1,522,592,888	\$ (0)			\$ 623,086,801	\$ 850,679,256			
Target R/C ratio: 1 (Phase in over 4 years)														Total Revenue from Rates \$1,473,766,057					
UR 1.13														Misc Revenue \$ 48,826,830					
Sen Lgt 0.92														Total Revenue Requirement \$1,522,592,888					
Dgen 0.67														2016 Revenue at 2015 Rates \$1,374,685,991					
														% Change in Revenue from Rates 7.2075%					

2017 Rate Design

2017 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			
Rate Class	Number of Customers	GWh	kW	Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2016 R/C Ratio	R/C Ratio from 2017 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	213,918	2,039	-	\$ 98,123,029	\$ 85,563,637	\$ 4,389,512	\$ 93,733,516	1.13	1.15	1.10	\$ 93,936,565	\$ (4,186,464)	-4%	\$ 20.68	\$ 53,086,140	\$ 36,460,913	1.788		59%
R1	449,678	5,184	-	\$ 349,986,645	\$ 307,059,061	\$12,556,087	\$ 337,430,558	1.13	1.14	1.10	\$ 337,106,677	\$ (12,879,968)	-4%	\$ 29.16	\$ 157,346,592	\$ 167,203,998	3.226		48%
R2	340,418	4,933	-	\$ 576,722,375	\$ 604,755,498	\$16,427,030	\$ 560,295,345	0.94	0.95	0.96	\$ 580,739,947	\$ 4,017,571	1%	\$ 75.69	\$ 309,191,031	\$ 255,121,886	5.171		55%
Seasonal	144,731	473	-	\$ 101,639,346	\$ 107,067,000	\$ 3,146,442	\$ 98,492,904	0.94	0.95	0.96	\$ 102,815,244	\$ 1,175,898	1%	\$ 29.63	\$ 51,465,023	\$ 48,203,778	10.186		52%
GSe	94,081	2,216	-	\$ 173,446,361	\$ 170,666,442	\$ 4,527,443	\$ 168,918,918	1.03	1.02	1.02	\$ 173,446,361	\$ -	0%	\$ 33.27	\$ 37,565,183	\$ 131,353,734	5.928		22%
GSd	6,282	2,469	8,541,960	\$ 142,799,599	\$ 156,637,411	\$ 2,542,493	\$ 140,257,106	0.94	0.91	0.96	\$ 150,417,156	\$ 7,617,556	5%	\$ 98.56	\$ 7,429,648	\$ 140,445,014	5.689	16.442	5%
UGe	17,851	613	-	\$ 22,187,023	\$ 23,840,495	\$ 628,679	\$ 21,558,344	0.94	0.93	0.96	\$ 22,893,760	\$ 706,737	3%	\$ 26.38	\$ 5,650,608	\$ 16,614,473	2.709		25%
UGd	1,913	1,086	3,048,496	\$ 29,737,906	\$ 32,612,325	\$ 405,053	\$ 29,332,854	0.94	0.91	0.96	\$ 31,317,251	\$ 1,579,345	5%	\$ 100.56	\$ 2,308,146	\$ 28,604,052	2.635	9.383	7%
St Lgt	4,973	125	-	\$ 13,313,285	\$ 14,146,512	\$ 320,026	\$ 12,993,258	0.94	0.94	0.96	\$ 13,584,737	\$ 271,452	2%	\$ 4.57	\$ 273,000	\$ 12,991,710	10.383		2%
Sen Lgt	29,671	22	-	\$ 7,670,875	\$ 8,321,789	\$ 3,702,246	\$ 3,968,629	0.92	0.92	0.95	\$ 7,887,846	\$ 216,971	5%	\$ 3.04	\$ 1,080,721	\$ 3,104,879	14.062		26%
USL	5,734	25	-	\$ 3,677,731	\$ 3,236,787	\$ 92,349	\$ 3,585,382	1.13	1.14	1.10	\$ 3,553,526	\$ (124,204)	-3%	\$ 39.41	\$ 2,711,412	\$ 749,765	2.972		78%
DGen	1,523	24	240,223	\$ 5,218,137	\$ 7,537,157	\$ 117,489	\$ 5,100,648	0.67	0.69	0.79	\$ 5,991,143	\$ 773,007	15%	\$ 238.69	\$ 4,362,188	\$ 1,511,467	6.316	6.292	74%
ST	822	16,731	30,976,388	\$ 53,482,682	\$ 56,560,879	\$ 983,008	\$ 52,499,675	0.94	0.95	0.96	\$ 54,314,780	\$ 832,098	2%	\$ 970.02	\$ 9,565,037	\$ 43,766,735	0.262	1.413	18%
Total	1,311,594	35,940	42,807,067	\$ 1,578,004,993	\$ 1,578,004,993	\$49,837,856	\$ 1,528,167,136				\$ 1,578,004,993	\$ 0			\$ 642,034,732	\$ 886,132,405			

Target R/C ratio: 1 (Phase in over 3 years)

UR 1.10
Sen Lgt 0.95
Dgen 0.79

Total Revenue from Rates \$1,528,167,137
Misc Revenue \$ 49,837,856
Total Revenue Requirement \$1,578,004,993
2017 Revenue at 2016 Rates \$1,484,752,967
% Change in Revenue from Rates 2.9240%

2018 Rate Design

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				
Rate Class	Number of Customers	GWh	kW	Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2017 R/C Ratio	R/C Ratio from 2018 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	216,443	2,050	-	\$ 96,626,356	\$ 87,367,792	\$ 4,313,091	\$ 92,313,265	1.10	1.11	1.05	\$ 91,997,074	\$ (4,629,282)	-5%	\$ 20.01	\$ 51,981,657	\$ 35,702,326	1.742		59%
R1	456,145	5,228	-	\$ 347,736,729	\$ 315,269,793	\$ 12,321,026	\$ 335,415,703	1.10	1.10	1.05	\$ 331,974,721	\$ (15,762,009)	-5%	\$ 28.31	\$ 154,972,510	\$ 164,681,184	3.150		48%
R2	343,578	4,912	-	\$ 594,070,235	\$ 616,361,381	\$ 16,089,425	\$ 577,980,809	0.96	0.96	0.98	\$ 602,441,730	\$ 8,371,495	1%	\$ 77.92	\$ 321,266,567	\$ 265,085,738	5.396		55%
Seasonal	145,457	473	-	\$ 105,090,436	\$ 107,913,313	\$ 3,084,685	\$ 102,005,751	0.96	0.97	0.98	\$ 105,476,243	\$ 385,807	0%	\$ 30.29	\$ 52,870,947	\$ 49,520,611	10.474		52%
GSe	94,493	2,199	-	\$ 176,123,034	\$ 173,662,139	\$ 4,441,884	\$ 171,681,149	1.02	1.01	1.01	\$ 176,123,034	\$ -	0%	\$ 33.67	\$ 38,179,464	\$ 133,501,685	6.071		22%
GSd	6,375	2,472	8,499,358	\$ 152,916,590	\$ 163,876,238	\$ 2,523,871	\$ 150,392,719	0.96	0.93	0.98	\$ 160,175,324	\$ 7,258,734	5%	\$ 103.54	\$ 7,920,862	\$ 149,730,591	6.058	17.617	5%
UGe	17,919	611	-	\$ 23,315,635	\$ 24,454,097	\$ 621,118	\$ 22,694,517	0.96	0.95	0.98	\$ 23,901,836	\$ 586,201	3%	\$ 27.48	\$ 5,908,365	\$ 17,372,353	2.844		25%
UGd	1,921	1,082	3,019,175	\$ 31,702,058	\$ 33,949,893	\$ 407,938	\$ 31,294,120	0.96	0.93	0.98	\$ 33,183,183	\$ 1,481,125	5%	\$ 106.14	\$ 2,447,256	\$ 30,327,988	2.803	10.045	7%
St Lgt	5,026	126	-	\$ 13,920,701	\$ 14,485,810	\$ 320,842	\$ 13,599,859	0.96	0.96	0.98	\$ 14,158,669	\$ 237,968	2%	\$ 4.72	\$ 284,795	\$ 13,553,031	10.786		2%
Sen Lgt	29,554	22	-	\$ 8,002,384	\$ 8,364,411	\$ 3,717,933	\$ 4,284,451	0.95	0.96	0.98	\$ 8,183,397	\$ 181,014	4%	\$ 3.25	\$ 1,152,982	\$ 3,312,482	14.938		26%
USL	5,776	26	-	\$ 3,656,724	\$ 3,291,351	\$ 93,472	\$ 3,563,252	1.10	1.11	1.05	\$ 3,465,747	\$ (190,977)	-5%	\$ 38.11	\$ 2,641,768	\$ 730,507	2.862		78%
DGen	1,719	25	248,297	\$ 6,756,230	\$ 8,302,996	\$ 134,022	\$ 6,622,208	0.79	0.81	0.91	\$ 7,529,613	\$ 773,383	12%	\$ 266.30	\$ 5,492,485	\$ 1,903,107	7.647	7.665	74%
ST	829	16,718	30,960,496	\$ 55,448,891	\$ 58,066,788	\$ 979,279	\$ 54,469,612	0.96	0.95	0.98	\$ 56,755,432	\$ 1,306,540	2%	\$ 1,005.72	\$ 10,003,436	\$ 45,772,716	0.274	1.478	18%
Total	1,325,235	35,943	42,727,326	\$ 1,615,366,002	\$ 1,615,366,002	\$ 49,048,586	\$ 1,566,317,415				\$ 1,615,366,002	\$ 0			\$ 655,123,095	\$ 911,194,321			
																Total Revenue from Rates	\$ 1,566,317,415		
																Misc Revenue	\$ 49,048,586		
																Total Revenue Requirement	\$ 1,615,366,002		
																2018 Revenue at 2017 rates	\$ 1,533,949,651		
																% Change in Revenue from Rates	2.1101%		
UR										1.05									
Sen Lgt										0.98									
DGen										0.91									

2019 Rate Design

2019 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				
Rate Class	Number of Customers	GWh	kW	Revenue	Allocated Cost	Misc Revenue	Revenue from Rates	2018 R/C Ratio	R/C Ratio from 2019 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	218,631	2,053	-	\$ 94,990,394	\$ 89,547,964	\$ 4,387,751	\$ 90,602,643	1.05	1.06	1.02	\$ 91,338,923	\$ (3,651,471)	-4%	\$ 19.65	\$ 51,547,225	\$ 35,403,947	1.725		59%
R1	461,880	5,255	-	\$ 343,683,238	\$ 325,085,581	\$12,531,789	\$ 331,151,450	1.05	1.06	1.02	\$ 331,587,293	\$ (12,095,945)	-4%	\$ 27.91	\$ 154,682,499	\$ 164,373,005	3.128		48%
R2	346,199	4,872	-	\$ 618,922,343	\$ 630,633,380	\$16,254,539	\$ 602,667,805	0.98	0.98	0.99	\$ 624,459,136	\$ 5,536,793	1%	\$ 80.21	\$ 333,239,593	\$ 274,965,005	5.644		55%
Seasonal	145,966	469	-	\$ 108,081,218	\$ 109,818,628	\$ 3,111,354	\$ 104,969,864	0.98	0.98	0.99	\$ 108,743,444	\$ 662,226	1%	\$ 31.14	\$ 54,544,229	\$ 51,087,861	10.882		52%
GSe	94,764	2,172	-	\$ 179,208,210	\$ 177,145,864	\$ 4,480,121	\$ 174,728,089	1.01	1.01	1.01	\$ 179,208,210	\$ -	0%	\$ 34.17	\$ 38,857,061	\$ 135,871,029	6.256		22%
GSd	6,458	2,464	8,443,180	\$ 163,562,421	\$ 171,464,116	\$ 2,559,971	\$ 161,002,450	0.98	0.95	0.99	\$ 169,785,389	\$ 6,222,968	4%	\$ 108.41	\$ 8,401,886	\$ 158,823,531	6.446	18.811	5%
UGe	17,962	605	-	\$ 24,367,479	\$ 25,117,570	\$ 628,573	\$ 23,738,905	0.98	0.97	0.99	\$ 24,871,655	\$ 504,177	2%	\$ 28.54	\$ 6,152,601	\$ 18,090,481	2.989		25%
UGd	1,927	1,073	2,984,482	\$ 33,722,979	\$ 35,337,954	\$ 412,185	\$ 33,310,794	0.98	0.95	0.99	\$ 34,991,976	\$ 1,268,998	4%	\$ 111.64	\$ 2,581,998	\$ 31,997,794	2.982	10.721	7%
St Lgt	5,071	127	-	\$ 14,661,420	\$ 14,953,652	\$ 324,509	\$ 14,336,910	0.98	0.98	0.99	\$ 14,807,248	\$ 145,828	1%	\$ 4.90	\$ 298,068	\$ 14,184,670	11.194		2%
Sen Lgt	29,391	22	-	\$ 8,343,990	\$ 8,455,965	\$ 3,735,678	\$ 4,608,312	0.98	0.99	0.99	\$ 8,373,176	\$ 29,186	1%	\$ 3.39	\$ 1,197,401	\$ 3,440,097	15.384		26%
USL	5,824	26	-	\$ 3,584,874	\$ 3,377,873	\$ 94,761	\$ 3,490,113	1.05	1.06	1.02	\$ 3,445,430	\$ (139,444)	-4%	\$ 37.56	\$ 2,624,842	\$ 725,827	2.825		78%
DGen	1,908	26	256,373	\$ 8,429,353	\$ 9,043,122	\$ 150,151	\$ 8,279,202	0.91	0.93	0.99	\$ 8,954,585	\$ 525,232	6%	\$ 285.63	\$ 6,538,790	\$ 2,265,644	8.787	8.837	74%
ST	835	16,637	30,861,915	\$ 58,154,621	\$ 59,730,869	\$ 991,424	\$ 57,163,197	0.98	0.97	0.99	\$ 59,146,072	\$ 991,451	2%	\$ 1,041.23	\$ 10,430,018	\$ 47,724,630	0.287	1.546	18%
Total	1,336,816	35,801	42,545,951	\$ 1,659,712,539	\$ 1,659,712,539	\$49,662,806	\$ 1,610,049,733				\$1,659,712,538	\$ (0)			\$ 671,096,212	\$ 938,953,520			
Phase-in Complete															Total Revenue from Rates	\$ 1,610,049,732			
															Misc Revenue	\$ 49,662,806			
															Total Revenue Requirement	\$ 1,659,712,538			
															2019 Revenue at 2018 rates	\$ 1,567,679,209			
															% Change in Revenue from Rates	2.7028%			

DERIVATION OF SUB TRANSMISSION RATES

1
2
3

Common Line Rate Calculation

	2015			2016			2017			2018			2019		
Minus	Billing Quantity (Annual)	Rates (adjusted for target r/c) but not rounded	Revenue Generated (Annual)	Billing Quantity (Annual)	Rates (adjusted for target r/c) but not rounded	Revenue Generated (Annual)	Billing Quantity (Annual)	Rates (adjusted for target r/c) but not rounded	Revenue Generated (Annual)	Billing Quantity (Annual)	Rates (adjusted for target r/c) but not rounded	Revenue Generated (Annual)	Billing Quantity (Annual)	Rates (adjusted for target r/c) but not rounded	Revenue Generated (Annual)
HVDS-high cost allocation	496,894.74	1.8444	916,472.67	498,475.58	1.8444	919,388.37	503,831.66	1.8444	929,267.11	504,846.45	1.8444	931,138.80	504,617.47	1.8444	930,716.47
HVDS-low cost allocation	31,668.18	3.8691	122,527.34	31,455.71	3.4110	107,295.42	31,562.37	3.4411	108,609.27	31,353.83	3.4763	108,995.31	31,058.27	3.4874	108,312.60
LVDS-low cost allocation	885,144.56	2.0247	1,792,152.18	885,962.55	1.5666	1,387,948.93	890,677.16	1.5967	1,422,144.22	887,298.96	1.6319	1,447,983.16	881,463.39	1.6430	1,448,244.36
Specific ST lines	1,096.45	960.9097	1,053,591.36	1,096.45	821.15	900,350.02	1,096.45	865.01	948,439.31	1,096.45	858.99	941,845.36	1,096.45	868.59	952,364.06
Specific Primary lines	-	722.7036	-	-	617.59	-	-	650.58	-	-	646.05	-	-	653.27	-
Plus:															
Fixed Rate	9,717.39	453.70	4,408,780.33	9,787.84	441.70	4,323,289.53	9,860.69	424.87	4,189,513.37	9,946.51	427.79	4,255,016.79	10,017.03	430.10	4,308,326.05
Meter Charge	5,880.00	675.53	3,972,116.40	5,880.00	782.25	4,599,630.00	5,880.00	833.62	4,901,685.60	5,880.00	886.74	5,214,031.20	5,880.00	934.76	5,496,388.80
Total revenue generated through other delivery charges: Revenue to be collected by ST (adjusted for change in revenue from Rates target R/C Ratio)			\$ 12,265,640			\$ 12,237,902			\$ 12,499,659			\$ 12,899,011			\$ 13,244,352
			\$ 46,729,362			\$ 50,643,189			\$ 53,331,772			\$ 55,776,152			\$ 58,154,648
ST Common Line Revenue Requirement (Annual)			\$ 34,463,721			\$ 38,405,286			\$ 40,832,113			\$ 42,877,142			\$ 44,910,296
ST Common Line Charge Determinant (Annual)	30,696,855			30,723,761			30,976,388			30,960,496			30,861,915		
ST Common Line Charge (\$/kW)		\$ 1.1227			\$ 1.2500			\$ 1.3182			\$ 1.3849			\$ 1.4552	

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
\$343,495,002	\$361,793,600	\$380,840,553	\$400,611,455	\$420,615,174
1.74%	1.65%	1.57%	1.49%	1.42%

		2015		2016		2017		2018		2019	
		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	\$ 102,816	\$ 1,791	\$ 103,242	\$ 1,707	\$ 104,957	\$ 1,649	\$ 106,329	\$ 1,588	\$ 108,149	\$ 1,538
5012	Station Buildings and Fixtures Expense (not applicable To LVDS low)										
5016*	Distribution Station Equipment - Operation Labour	\$ 162,910	\$ 162,910	\$ 165,358	\$ 165,358	\$ 170,617	\$ 170,617	\$ 173,242	\$ 173,242	\$ 174,014	\$ 174,014
5017*	Distribution Station Equipment - Operation Supplies and Expenses	\$ 53,699	\$ 53,699	\$ 54,507	\$ 54,507	\$ 56,240	\$ 56,240	\$ 57,105	\$ 57,105	\$ 57,362	\$ 57,362
5105	Maintenance Supervision and Engineering	\$ 355,431	\$ 6,191	\$ 409,385	\$ 6,770	\$ 414,559	\$ 6,512	\$ 386,152	\$ 5,767	\$ 375,543	\$ 5,342
5110	Maintenance of Buildings and Fixtures - Distribution Stations	\$ 141,926	\$ 141,926	\$ 143,307	\$ 143,307	\$ 146,351	\$ 146,351	\$ 147,958	\$ 147,958	\$ 146,787	\$ 146,787
5114*	Maintenance of Distribution Station Equipment	\$ 421,432	\$ 421,432	\$ 426,735	\$ 426,735	\$ 439,009	\$ 439,009	\$ 447,427	\$ 447,427	\$ 455,333	\$ 455,333
5405 to 5680	25 General Admin. Acc'ts (12 non-zero)	\$ 4,716,066	\$ 82,141	\$ 4,739,431	\$ 78,372	\$ 4,710,238	\$ 73,994	\$ 4,711,252	\$ 70,358	\$ 4,719,714	\$ 67,132
	Other ("NIDIT") "expenses"										
3046	Net Inc (Balance Transferred From Income)	\$ 9,018,142	\$ 157,070	\$ 9,784,702	\$ 161,802	\$ 10,542,758	\$ 165,619	\$ 11,178,855	\$ 166,944	\$ 11,727,191	\$ 166,804
5705	Amortization Expense - Property, Plant, and Equipment	\$ 10,252,645	\$ 178,572	\$ 10,722,976	\$ 177,318	\$ 11,297,931	\$ 177,482	\$ 11,912,762	\$ 177,905	\$ 12,512,626	\$ 177,976
6005	Interest on Long Term Debt	\$ 6,666,926	\$ 116,119	\$ 7,281,826	\$ 120,414	\$ 7,885,014	\$ 123,867	\$ 8,540,678	\$ 127,546	\$ 9,309,521	\$ 132,416
6105	Taxes Other Than Income Taxes	\$ 167,148	\$ 2,911	\$ 174,255	\$ 2,882	\$ 181,418	\$ 2,850	\$ 188,537	\$ 2,816	\$ 195,800	\$ 2,785
6110	Income Taxes	\$ 1,860,545	\$ 32,405	\$ 2,163,834	\$ 35,782	\$ 2,273,881	\$ 35,721	\$ 2,372,521	\$ 35,431	\$ 2,537,484	\$ 36,092
	Annual LVDS Low Revenue Requirement per CAM		\$ 1,357,168		\$ 1,374,954		\$ 1,399,912		\$ 1,414,086		\$ 1,423,581
	Annual LVDS Low Revenue Requirement after R/C adjustment per Rate Design Sheet		\$ 1,792,190		\$ 1,387,987		\$ 1,422,100		\$ 1,448,005		\$ 1,448,272
	Annual Forecast LVDS Low Charge Determinant (kW)		885,145		885,963		890,677		887,299		881,463
	Proposed LVDS Low Rate (\$/kW)		\$ 2.0247		\$ 1.5666		\$ 1.5967		\$ 1.6319		\$ 1.6430

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

Updated: 2014-05-30
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Tab 4
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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
Total weighted kms of 50kV-4.16kV line 95,916

	2015		2016		2017		2018		2019	
	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines	Total	Assigned to Lines
CAM O4 Summary by Class and Accounts										
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	\$355,415,643	\$219,223,140	\$374,931,648	\$239,622,149	\$390,156,681	\$251,574,277	\$402,850,454	\$249,904,091	\$413,635,651	\$254,107,334
PILs (INPUT)	INPUT	\$52,512,828	\$32,390,322	\$60,478,151	\$38,652,124	\$63,035,202	\$40,645,300	\$65,364,667	\$40,548,292	\$69,542,415	\$42,721,747
Interest	INT	\$188,170,223	\$116,064,861	\$203,523,637	\$130,073,766	\$218,583,741	\$140,943,496	\$235,301,799	\$145,967,025	\$255,137,227	\$156,737,555
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	\$254,531,952	\$156,997,293	\$273,477,862	\$174,782,133	\$292,260,151	\$188,450,281	\$307,985,466	\$191,055,582	\$321,396,038	\$197,442,097
Total Revenue Requirement (includes NI)		\$1,414,935,276	\$837,538,776	\$1,522,592,888	\$936,262,243	\$1,578,004,993	\$980,084,542	\$1,615,366,002	\$965,536,586	\$1,659,712,539	\$982,694,466

Total Revenue Requirement after R/C adjustment
per Rate Design Sheet

C \$ 1,106,001,213 \$ 945,137,079 \$ 995,618,470 \$ 988,696,519 \$ 999,738,530
D=C/B/12 \$ 960.91 \$ 821.15 \$ 865.01 \$ 858.99 \$ 868.59
DxA Specific ST Line Rate (\$/per km/month):
Specific Primary Line Rate (\$/per km/month) \$ 722.70 \$ 617.59 \$ 650.58 \$ 646.05 \$ 653.27

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.

Table 1

Regulatory Asset Account Balances and Allocators Proposed for Disposition

Variance Account	Account balance (\$)	Proposed Allocator	Rationale
RSVA-Wholesale Market Service Charge	(73,078,802)	Forecast kWh excluding wholesale market participants	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Retail Transmission Network Charge	39,720,537	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Retail Transmission Connection Charge	16,626,828	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Low Voltage Variance	3,970,868	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Global Adjustment	(22,750,129)	Forecast kWh for non-RPP, non-LDC and class B customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RSVA-Power (Line Losses)	(555,490)	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
Disposition & Recovery of Regulatory Balances (2011)	(705,661)	Forecast kWh for all customers	Previously approved by the Board in EB-2012-0136 and per IRM methodology
RCVA	1,064,118	Forecast number of customers	Previously approved by the Board in EB-2009-0096

Variance Account	Account balance (\$)	Proposed Allocator	Rationale
OEB Costs	9,317,037	OM&A from Cost Allocation study	Previously approved by the Board in EB-2007-0681
DSC Exemption	6,674,988	2015 Revenue Requirement share	Same allocator used for Green Energy Costs in EB-2009-0096
Special Purpose Charge Variance	173,860	Forecast kWh for all customers	Same basis as charge incurred and per IRM methodology
Tax Changes	(17,763,206)	Net Fixed Assets from Cost Allocation study	Previously approved by the Board in EB-2007-0681
MicroFIT Connection Charge Variance	(1,581,655)	OM&A from Cost Allocation study	Treated like another source of revenue. Same allocator used in the CAM for Miscellaneous Revenue
Deferred Pension	60,129,031	2015 Revenue Requirement share	Treated same as other contributors to Revenue Requirement (eg. Smart Grid and Green Energy approved in EB-2009-0096)
Generator Joint Use	(322,211)	OM&A from Cost Allocation study	Treated like another source of revenue. Same allocator used in the CAM for Miscellaneous Revenue
Capex Variance	(1,752,777)	2015 Revenue Requirement share	Previously approved by the Board in EB-2008-0187
Smart Meter	4,686,792	Number of metered customers	Previously approved by the Board in EB-2009-0096
Smart Grid	(1,060,232)	2015 Revenue Requirement share	Previously approved by the Board in EB-2012-0136
Green Energy	(1,487,313)	2015 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.

Table 2 provides a summary of the proposed Regulatory Assets 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 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	0.25	-0.0001	0.24	-0.0001	0.23	-0.0001	0.22	-0.0001	0.21	-0.0002
R1	0.30	0.0000	0.30	0.0000	0.28	0.0000	0.27	-0.0001	0.26	-0.0001
R2	0.58	0.0001	0.58	0.0001	0.58	0.0001	0.59	0.0001	0.59	0.0001
Seasonal	0.28	0.0004	0.28	0.0004	0.28	0.0004	0.28	0.0004	0.28	0.0004
GSe	0.31	0.0001	0.30	0.0001	0.30	0.0001	0.30	0.0001	0.29	0.0001
GSd	0.65	0.0144	0.65	0.0160	0.68	0.0210	0.69	0.0258	0.71	0.0297
UGe	0.25	-0.0001	0.25	-0.0001	0.25	-0.0001	0.25	-0.0001	0.26	-0.0001
UGd	0.66	-0.0434	0.66	-0.0430	0.69	-0.0401	0.71	-0.0376	0.73	-0.0357
St Lgt	0.04	0.0004	0.05	0.0004	0.05	0.0005	0.05	0.0005	0.05	0.0005
Sen Lgt	0.03	0.0005	0.03	0.0006	0.03	0.0007	0.03	0.0007	0.03	0.0007
USL	0.35	0.0000	0.33	0.0000	0.32	0.0000	0.30	-0.0001	0.28	-0.0001
DGen	1.72	0.0047	1.93	0.0154	2.12	0.0268	2.31	0.0370	2.42	0.0449
ST-General	6.54	0.1895	6.50	0.1891	6.55	0.1875	6.64	0.1876	6.70	0.1882
ST-Excl WMP		-0.2685		-0.2679		-0.2651		-0.2649		-0.2658

Note: Global Adjustment Rate Rider of -0.0006 \$/kWh will apply to all non-RPP, non-LDC, and class B customers for the entire Custom COS period.

1 **2.0 REVENUE SMOOTHING RATE RIDER**

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

5
6 Hydro One proposes to dispose of the annual smoothing revenue via a rider with both fixed and
7 volumetric components consistent with how revenue would normally be collected from
8 customers. The allocation of the smoothing revenue to each rate class will be based on the share
9 of total revenue collected by rate class. The smoothing revenue by rate class will be split
10 between fixed and volumetric components in proportion to the amount of revenue collected via
11 fixed and volumetric charges for each rate class. As with the Regulatory Asset rate rider, each
12 test year's forecast for number of customers, annual energy and peak demand are used as charge
13 determinants to derive the annual rate rider amounts.

14
15 Table 3 provides a summary of the Revenue Smoothing Rider by rate class. Details of the
16 derivation of the rider amounts for all rate classes for each year of the Custom COS period are
17 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	-0.78	-0.0007	-0.98	-0.0008	-0.30	-0.0003	0.53	0.0005	1.25	0.0011
R1	-1.08	-0.0012	-1.37	-0.0015	-0.43	-0.0005	0.74	0.0008	1.77	0.0020
R2	-2.60	-0.0017	-3.41	-0.0023	-1.11	-0.0008	2.05	0.0014	5.09	0.0036
Seasonal	-1.02	-0.0035	-1.33	-0.0046	-0.43	-0.0015	0.80	0.0027	1.98	0.0069
GSe	-1.15	-0.0021	-1.51	-0.0027	-0.49	-0.0009	0.88	0.0016	2.17	0.0040
GSd	-3.21	-0.5244	-4.26	-0.7057	-1.44	-0.2405	2.72	0.4624	6.88	1.1934
UGe	-0.88	-0.0009	-1.15	-0.0012	-0.39	-0.0004	0.72	0.0007	1.81	0.0019
UGd	-3.25	-0.3004	-4.33	-0.4030	-1.47	-0.1373	2.79	0.2637	7.08	0.6802
St Lgt	-0.15	-0.0035	-0.20	-0.0046	-0.07	-0.0015	0.12	0.0028	0.31	0.0071
Sen Lgt	-0.09	-0.0044	-0.13	-0.0060	-0.04	-0.0021	0.09	0.0039	0.22	0.0098
USL	-1.51	-0.0012	-1.84	-0.0014	-0.58	-0.0004	1.00	0.0008	2.38	0.0018
DGen	-6.42	-0.1248	-9.70	-0.2236	-3.49	-0.0920	6.99	0.2012	18.12	0.5606
ST	-32.96	-0.0477	-43.24	-0.0630	-14.19	-0.0207	26.40	0.0388	66.06	0.0981

REGULATORY ASSET RIDER CALCULATION

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- Attachment 1: VA Rider 2015
- Attachment 2: VA Rider 2016
- Attachment 3: VA Rider 2017
- Attachment 4: VA Rider 2018
- 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
2	Number of Customers	1,288,172	2015 Load Forecast	209,540	438,279	335,043	143,666	93,508	6,113	17,768	1,901	4,883	30,009	5,642	1,010	810
3	KWh	35,482,549,090	2015 Load Forecast	2,001,279,224	5,052,450,892	4,933,406,049	474,073,680	2,194,809,668	2,404,019,346	604,059,537	1,067,646,621	123,507,003	21,795,353	24,056,636	21,102,942	16,560,342,139
4	KWh excl WMP	23,873,621,746	2015 Load Forecast	2,001,279,224	5,052,450,892	4,933,406,049	474,073,680	2,194,809,668	2,404,019,346	604,059,537	1,067,646,621	123,507,003	21,795,353	24,056,636	21,102,942	4,951,414,795
5	KWh for Non-RPP, Non-LDC, and Class B customers	7,753,198,855	2015 Load Forecast	272,738,525	565,377,683	546,849,052	12,058,813	456,886,453	2,219,813,865	139,536,737	1,017,402,300	61,431,166	3,481,968	1,529,263	21,733,354	2,434,359,677
6	Billing kWhs	42,455,891	2015 Load Forecast						8,484,670		3,058,267				216,099	30,696,855
7	OM&A	100%	2015 Cost Allocation Model: E2 Allocators sheet	6.86%	21.82%	38.42%	7.27%	10.54%	6.85%	1.43%	1.42%	0.99%	0.52%	0.28%		3.31%
8	NFA	100%	2015 Cost Allocation Model: E2 Allocators sheet	4.62%	18.03%	39.91%	6.72%	10.92%	10.96%	1.52%	2.28%	0.86%	0.41%	0.17%		3.54%
9	Revenue From Rates	\$1,367,101,526	2015 Rate Design	\$86,749,139	\$305,468,655	\$498,703,219	\$88,722,941	\$152,575,276	\$19,450,758	\$25,973,978	\$11,438,928	\$3,377,287	\$3,405,755	\$2,741,965	\$46,729,362	\$46,729,362
10	Fixed Revenue Requirement	\$579,556,148	2015 Rate Design	\$51,427,454	\$148,095,408	\$273,243,014	\$45,813,014	\$33,750,230	\$6,158,534	\$4,936,367	\$1,939,420	\$235,424	\$872,015	\$2,667,995	\$2,036,375	\$3,880,897
11	Volumetric Revenue Requirement	\$787,545,378	2015 Rate Design	\$35,321,685	\$157,373,247	\$225,460,205	\$42,909,927	\$118,014,032	\$116,416,742	\$14,514,391	\$24,034,558	\$11,203,504	\$2,505,272	\$737,760	\$705,589	\$38,348,465
12																
13																
14	Rider Development															
15		Amount to be collected/refunded	Allocator													
16	RSVA-Wholesale Market Service Charge	\$	(73,078,802) kWh Exc WMP	(\$6,126,054)	(\$15,465,901)	(\$15,101,496)	(\$1,451,172)	(\$6,718,464)	(\$7,358,869)	(\$1,849,068)	(\$3,268,140)	(\$378,063)	(\$66,717)	(\$73,639)	(\$64,596)	(\$15,156,622)
17	RSVA-Retail Transmission Network Charge	\$	39,720,537 kWh	\$2,240,309	\$5,655,909	\$5,522,645	\$530,696	\$2,456,955	\$2,691,152	\$676,208	\$1,195,165	\$138,259	\$24,399	\$26,930	\$23,623	\$18,538,287
18	RSVA-Retail Transmission Connection Charge	\$	16,626,828 kWh	\$937,783	\$2,367,537	\$2,311,753	\$222,147	\$1,028,470	\$1,126,505	\$283,057	\$500,290	\$57,874	\$10,213	\$11,273	\$9,889	\$7,760,039
19	RSVA-LV Variance	\$	3,970,868 kWh	\$565,422	\$552,100	\$53,054	\$245,622	\$269,035	\$67,601	\$119,481	\$13,822	\$2,439	\$2,692	\$2,362		
20	RSVA-Global Adjustment	\$	(22,750,129) kWh for Non-RPP	(\$800,294)	(\$1,658,982)	(\$1,604,613)	(\$35,384)	(\$1,340,637)	(\$6,513,576)	(\$409,441)	(\$2,985,353)	(\$180,257)	(\$10,217)	(\$4,487)	(\$63,772)	(\$7,143,116)
21	RSVA-Power (Line Losses)	\$	(555,480) kWh	(\$31,331)	(\$79,098)	(\$77,234)	(\$7,422)	(\$34,380)	(\$37,636)	(\$9,457)	(\$16,714)	(\$1,534)	(\$341)	(\$377)	(\$330)	(\$259,257)
22	Disposition & Recovery of Regulatory Balances (2011)	\$	(705,661) kWh	(\$39,801)	(\$100,481)	(\$98,113)	(\$9,428)	(\$43,649)	(\$47,810)	(\$12,013)	(\$21,233)	(\$2,456)	(\$433)	(\$478)	(\$420)	(\$329,345)
23	RCVA	\$	1,064,118 Number of customers	\$173,094	\$362,049	\$276,768	\$118,678	\$77,244	\$5,050	\$14,678	\$1,571	\$4,033	\$24,790	\$4,660	\$834	\$669
24	OEB Costs	\$	9,317,037 OM&A	\$639,179	\$2,033,247	\$3,579,963	\$677,409	\$981,861	\$598,315	\$133,287	\$132,612	\$92,016	\$48,577	\$26,421	\$26,086	\$308,063
25	DSC Exemption	\$	6,674,988 2015 Revenue Requirement Share	\$423,560	\$1,491,476	\$2,434,960	\$433,197	\$741,002	\$598,484	\$94,970	\$126,820	\$55,852	\$16,490	\$16,629	\$13,388	\$228,160
26	Special Purpose Charge Variance	\$	173,860 kWh	\$9,806	\$24,756	\$24,173	\$2,323	\$10,754	\$11,779	\$2,960	\$5,231	\$605	\$107	\$118	\$103	\$81,143
27	Tax Changes	\$	(17,763,206) NFA	(\$819,838)	(\$3,202,226)	(\$7,089,872)	(\$1,192,873)	(\$1,940,601)	(\$1,947,610)	(\$269,691)	(\$404,847)	(\$151,899)	(\$72,810)	(\$29,355)	(\$12,229)	(\$629,356)
28	MicroFit Connection Charge Variance	\$	(1,581,655) OM&A	(\$108,507)	(\$345,163)	(\$107,733)	(\$114,997)	(\$166,680)	(\$108,360)	(\$22,627)	(\$22,512)	(\$15,621)	(\$8,246)	(\$4,485)	(\$4,428)	(\$52,297)
29	Deferred Pension	\$	60,129,031 2015 Revenue Requirement Share	\$3,815,475	\$13,435,384	\$21,934,392	\$3,802,288	\$6,075,026	\$5,391,211	\$855,500	\$1,142,410	\$503,117	\$148,543	\$149,795	\$120,599	\$2,055,291
30	Generator Joint Use	\$	(322,211) OM&A	(\$22,105)	(\$70,316)	(\$123,806)	(\$23,427)	(\$33,956)	(\$22,075)	(\$4,609)	(\$4,586)	(\$3,192)	(\$1,680)	(\$914)	(\$10,654)	
31	Capex Variance	\$	(1,752,777) 2015 Revenue Requirement Share	(\$111,222)	(\$391,645)	(\$639,393)	(\$113,753)	(\$194,579)	(\$157,155)	(\$24,938)	(\$33,302)	(\$14,666)	(\$4,330)	(\$4,367)	(\$3,516)	(\$59,912)
32	Smart Meter	\$	4,686,792 Number of customers excluding unmetered	\$787,144	\$1,646,409	\$1,258,598	\$539,686	\$351,267	\$22,963	\$66,747	\$7,142	\$0	\$0	\$0	\$3,794	\$3,042
33	Smart Grid	\$	(1,060,232) 2015 Revenue Requirement Share	(\$87,227)	(\$236,901)	(\$68,808)	(\$117,698)	(\$95,061)	(\$15,085)	(\$20,144)	(\$8,871)	(\$2,619)	(\$2,641)	(\$2,126)	(\$36,240)	
34	Green Energy	\$	(1,487,313) 2015 Revenue Requirement Share	(\$94,377)	(\$332,329)	(\$542,555)	(\$96,524)	(\$165,109)	(\$133,354)	(\$21,161)	(\$28,258)	(\$12,445)	(\$3,674)	(\$3,705)	(\$2,983)	(\$50,838)
35																
36		\$	21,306,580													
37	Total Regulatory Assets for Approval															
38		\$	21,306,580	UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
39				\$ 1,029,510	\$ 5,699,149	\$ 11,623,776	\$ 3,365,692	\$ 1,812,467	\$ (5,667,013)	\$ (443,083)	\$ (3,574,366)	\$ 96,183	\$ 104,489	\$ 114,069	\$ 45,374	\$ 7,100,332
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ST Volumetric Rider Derivation	Rider Revenue (\$)	Charge Determinant (kW)	Rider (\$/kW)
General (All volumetric rider revenue excluding RSVA-Wholesale Market Service Charge)	5,816,420	30,696,855	0.1895
Excluding WMP (Rider revenue for RSVA Wholesale Market Service Charge)	-3,031,324	11,289,591	-0.2685

ST Volumetric Rider Derivation	Rider Revenue (\$)	Charge Determinant (kW)	Rider (\$/kW)
General (All volumetric rider revenue excluding RSVA-Wholesale Market Service Charge)	5,809,868	30,723,761	0.1891
Excluding WMP (Rider revenue for RSVA Wholesale Market Service Charge)	-3,027,301	11,300,721	-0.2679

Determination of Defferal/Variance Account Rate Rider Amounts by Rate Class (2017)									
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ST Volumetric Rider Derivation	Rider Revenue (\$)	Charge Determinant (kW)	Rider (\$/kW)
General (All volumetric rider revenue excluding RSVA-Wholesale Market Service Charge)	5,806,866	30,976,388	0.1875
Excluding WMP (Rider revenue for RSVA Wholesale Market Service Charge)	-3,023,976	11,408,859	-0.2651

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	1,325,235	2017 Load Forecast	216,443	456,145	343,578	145,457	94,493	6,375	17,919	1,921	6,026	29,554	7,776	1,719	829
kWh	35,942,900,418	2017 Load Forecast	2,049,900,221	5,228,175,767	4,912,424,145	472,806,230	2,199,124,798	2,471,784,997	610,815,360	1,081,837,005	125,657,151	22,174,791	25,522,507	24,887,701	16,717,789,744
kWh excl WMP	24,239,831,342	2017 Load Forecast	2,049,900,221	5,228,175,767	4,912,424,145	472,806,230	2,199,124,798	2,471,784,997	610,815,360	1,081,837,005	125,657,151	22,174,791	25,522,507	24,887,701	5,014,720,668
kWh for Non-RPP, Non-LDC, and Class B customers	7,883,951,316	2017 Load Forecast	279,364,696	585,041,589	544,523,289	12,026,574	457,784,719	2,282,387,044	141,097,321	1,030,924,873	62,500,628	3,542,586	1,622,447	25,631,176	2,457,504,374
Billing kWh	42,727,326	2017 Load Forecast	-	-	-	-	-	8,499,358	-	3,019,175	-	-	-	248,297	30,960,496
OM&A	100%	2017 Cost Allocation Model: E2 Allocators sheet	6.76%	21.98%	38.18%	7.20%	10.45%	7.12%	1.41%	1.46%	1.00%	0.50%	0.28%	0.41%	3.25%
NFA	100%	2017 Cost Allocation Model: E2 Allocators sheet	4.46%	18.09%	39.07%	6.43%	10.98%	11.86%	1.53%	2.43%	0.87%	0.40%	0.17%	0.08%	3.63%
Revenue From Rates	\$1,566,317,415	2017 Rate Design	\$87,683,983	\$319,653,694	\$586,352,305	\$102,391,558	\$171,681,149	\$157,651,454	\$23,280,718	\$32,775,244	\$13,837,827	\$4,465,464	\$3,372,275	\$7,395,591	\$55,776,152
Fixed Revenue Requirement	\$655,123,095	2017 Rate Design	\$51,981,657	\$154,972,510	\$321,266,567	\$52,870,947	\$38,179,464	\$7,920,862	\$5,908,365	\$2,447,256	\$284,795	\$1,152,982	\$2,641,768	\$5,492,485	\$10,003,436
Volumetric Revenue Requirement	\$911,194,321	2017 Rate Design	\$35,702,326	\$164,681,184	\$265,085,738	\$49,520,611	\$133,501,685	\$149,730,591	\$17,372,353	\$30,327,988	\$13,553,031	\$3,312,482	\$730,507	\$1,903,107	\$45,772,716

Rider Development	Amount to be collected/refunded	Allocator	UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
RSVA-Wholesale Market Service Charge	\$ (73,078,802)	kWh Excl WMP	(\$6,180,086)	(\$15,762,025)	(\$14,810,090)	(\$1,425,427)	(\$6,629,972)	(\$7,451,994)	(\$1,841,500)	(\$3,261,547)	(\$378,834)	(\$66,853)	(\$76,946)	(\$75,032)	(\$15,118,495)
RSVA-Retail Transmission Network Charge	\$ 39,720,537	kWh	\$2,265,347	\$5,777,663	\$5,428,725	\$522,499	\$2,430,255	\$2,731,572	\$675,013	\$1,195,539	\$138,864	\$24,505	\$28,205	\$27,503	\$18,474,847
RSVA-Retail Transmission Connection Charge	\$ 16,626,828	kWh	\$948,263	\$2,418,502	\$2,272,438	\$218,715	\$1,017,293	\$1,143,423	\$282,557	\$500,447	\$58,128	\$10,258	\$11,806	\$11,513	\$7,733,483
RSVA-LV Variance	\$ 3,970,868	kWh	\$226,467	\$577,594	\$542,710	\$52,234	\$240,953	\$273,076	\$67,481	\$119,518	\$13,882	\$2,450	\$2,820	\$2,750	\$1,646,933
RSVA-Global Adjustment	\$ (22,750,129)	kWh for Non-RPP	(\$806,142)	(\$1,688,211)	(\$1,571,290)	(\$34,704)	(\$1,320,995)	(\$6,586,114)	(\$407,154)	(\$2,974,863)	(\$180,353)	(\$10,223)	(\$4,682)	(\$73,962)	(\$7,091,437)
RSVA-Power (Line Losses)	\$ (555,490)	kWh	(\$31,681)	(\$80,800)	(\$75,921)	(\$7,307)	(\$33,987)	(\$38,201)	(\$16,720)	(\$1,942)	(\$343)	(\$394)	(\$385)	(\$385)	(\$298,370)
Disposition & Recovery of Regulatory Balances (2011)	\$ (705,661)	kWh	(\$40,245)	(\$102,644)	(\$96,445)	(\$9,283)	(\$43,175)	(\$48,528)	(\$11,992)	(\$21,240)	(\$2,467)	(\$435)	(\$501)	(\$489)	(\$328,218)
RDVA	\$ 1,064,118	Number of customers	\$173,796	\$366,269	\$275,881	\$116,797	\$75,874	\$5,119	\$14,388	\$1,543	\$4,035	\$23,731	\$4,638	\$1,380	\$666
O&C Costs	\$ 9,317,037	OM&A	\$629,932	\$2,047,686	\$3,556,954	\$671,291	\$973,506	\$663,255	\$131,716	\$135,677	\$93,031	\$46,845	\$26,297	\$38,326	\$302,520
OSC Exemption	\$ 6,374,988	2015 Revenue Requirement Share	\$373,672	\$1,362,230	\$2,498,787	\$436,350	\$731,633	\$671,844	\$99,213	\$139,674	\$58,971	\$19,030	\$14,371	\$31,517	\$237,695
Special Purpose Charge Variance	\$ 173,860	kWh	\$9,916	\$25,289	\$23,762	\$2,287	\$10,637	\$11,956	\$5,233	\$2,955	\$608	\$107	\$123	\$120	\$80,866
Tax Changes	\$ (17,763,206)	NFA	(\$792,159)	(\$3,213,082)	(\$6,936,619)	(\$1,141,358)	(\$1,951,170)	(\$2,107,213)	(\$271,853)	(\$431,246)	(\$155,362)	(\$70,644)	(\$29,827)	(\$14,930)	(\$644,749)
Microfit Connection Charge Variance	\$ (1,581,655)	OM&A	(\$106,937)	(\$347,614)	(\$603,827)	(\$113,958)	(\$165,262)	(\$112,594)	(\$22,360)	(\$23,032)	(\$15,793)	(\$7,952)	(\$4,464)	(\$6,506)	(\$51,356)
Deferred Pension	\$ 60,129,031	2015 Revenue Requirement Share	\$3,366,082	\$12,271,119	\$22,509,356	\$3,930,688	\$6,590,632	\$6,052,049	\$893,719	\$1,258,202	\$531,217	\$171,424	\$129,458	\$283,908	\$2,141,179
Generator Joint Use	\$ (322,211)	OM&A	(\$21,785)	(\$70,815)	(\$123,010)	(\$23,215)	(\$33,667)	(\$22,937)	(\$4,555)	(\$4,692)	(\$3,217)	(\$1,620)	(\$909)	(\$1,325)	(\$10,462)
Capex Variance	\$ (1,752,777)	2015 Revenue Requirement Share	(\$98,122)	(\$357,706)	(\$656,154)	(\$114,581)	(\$192,119)	(\$176,419)	(\$26,052)	(\$36,677)	(\$15,485)	(\$4,997)	(\$3,774)	(\$8,276)	(\$62,416)
Smart Meter	\$ 4,686,792	Number of customers excluding unmetered	\$789,508	\$1,663,859	\$1,253,252	\$530,578	\$344,677	\$32,255	\$65,362	\$7,008	\$0	\$0	\$0	\$0	\$6,270
Smart Grid	\$ (1,060,232)	2015 Revenue Requirement Share	(\$59,353)	(\$216,372)	(\$306,899)	(\$69,308)	(\$116,210)	(\$106,713)	(\$15,759)	(\$22,185)	(\$9,367)	(\$3,023)	(\$2,283)	(\$5,006)	(\$37,755)
Green Energy	\$ (1,487,313)	2015 Revenue Requirement Share	(\$83,261)	(\$303,531)	(\$556,777)	(\$97,227)	(\$163,022)	(\$148,700)	(\$22,106)	(\$31,122)	(\$13,140)	(\$4,240)	(\$3,202)	(\$7,023)	(\$52,963)

Total Regulatory Assets for Approval		\$	21,306,580																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Final Rate Rider Amounts	Monthly Fixed Rider Volumetric Rider-General (kWh)	UR 0.22 (0.0001)	R1 0.27 (0.0001)	R2 0.59 0.0001	Seasonal 0.28 0.0004	GSe 0.30 0.0001	GSD 0.69 0.0001	UGe 0.25 (0.0001)	UGd 0.71 (0.0001)	St Lgt 0.05 0.0005	Sen Lgt 0.03 0.0007	USL 0.30 (0.0001)	Dgen 2.31 0.0370	ST 6.64 *see ST rider derivation below (0.0006)
	Volumetric Rider-General (kW)						0.0258		(0.0376)					
	Volumetric Rider-GA	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)

ST Volumetric Rider Derivation	Rider Revenue (\$)	Charge Determinant (kW)	Rider (\$/kW)
General (All volumetric rider revenue excluding RSVA-Wholesale Market Service Charge)	5,808,903	30,960,496	0.1876
Excluding WMP (Rider revenue for RSVA Wholesale Market Service Charge)	-3,023,699	11,416,376	-0.2649

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	1,336,816	2017 Load Forecast	218,831	461,880	346,199	145,066	34,764	5,071	17,962	1,927	5,071	38,391	5,324	1,308	835
3 kWh	35,800,878,551	2017 Load Forecast	2,052,905,845	5,254,821,459	4,872,190,236	469,453,136	2,172,016,594	2,463,741,578	605,321,588	1,073,018,433	126,713,808	22,361,260	25,693,770	25,783,933	16,836,858,910
4 kWh excl WMP	24,160,801,904	2017 Load Forecast	2,052,905,845	5,254,821,459	4,872,190,236	469,453,136	2,172,016,594	2,463,741,578	605,321,588	1,073,018,433	126,713,808	22,361,260	25,693,770	25,783,933	4,996,780,263
5 kWh for Non-RPP, Non-LDC, and Class B customers	7,849,646,997	2017 Load Forecast	279,774,309	588,023,287	540,063,515	11,941,282	452,141,692	2,274,959,943	139,828,269	1,022,521,310	63,026,199	3,572,376	1,633,334	26,554,182	2,445,607,299
Billing kWhs	42,545,551	2017 Load Forecast	-	-	-	-	-	8,443,180	-	2,984,482	-	-	-	256,373	30,861,915
OM&A	100%	2017 Cost Allocation Model: E2 Allocators sheet	6.85%	22.17%	37.97%	7.16%	10.38%	7.13%	1.42%	1.45%	1.00%	0.49%	0.28%	0.46%	3.24%
NFA	100%	2017 Cost Allocation Model: E2 Allocators sheet	4.42%	18.15%	38.93%	6.35%	10.89%	12.09%	1.53%	2.46%	0.88%	0.39%	0.17%	0.08%	3.65%
Revenue From Rates	\$1,610,049,732	2017 Rate Design	\$86,951,173	\$319,055,504	\$608,204,598	\$105,632,090	\$174,728,089	\$167,225,417	\$24,243,082	\$34,579,792	\$14,482,739	\$4,637,498	\$3,350,669	\$8,804,433	\$58,154,648
Fixed Revenue Requirement	\$671,096,212	2017 Rate Design	\$51,547,225	\$154,682,499	\$333,239,593	\$54,544,229	\$38,857,061	\$8,401,886	\$6,152,601	\$2,581,998	\$298,068	\$1,197,401	\$2,624,842	\$6,538,790	\$10,430,018
Volumetric Revenue Requirement	\$938,953,520	2017 Rate Design	\$35,403,947	\$164,373,005	\$274,965,005	\$51,087,861	\$135,871,029	\$158,823,531	\$18,090,481	\$31,997,794	\$14,184,670	\$3,440,097	\$725,827	\$2,265,644	\$47,724,630
Rider Development															
Amount to be collected/refunded		Allocator													
RSVA-Wholesale Market Service Charge	\$	(73,078,802) kWh Exc WMP	(\$6,209,392)	(\$15,894,177)	(\$14,736,838)	(\$1,419,948)	(\$6,589,665)	(\$7,452,041)	(\$1,830,907)	(\$3,245,542)	(\$383,269)	(\$67,836)	(\$77,716)	(\$77,988)	(\$15,113,684)
RSVA-Retail Transmission Network Charge	\$	38,720,537 kWh	\$2,777,668	\$5,830,145	\$5,405,822	\$520,851	\$2,409,820	\$2,733,484	\$671,595	\$1,190,498	\$140,587	\$24,809	\$28,507	\$28,607	\$18,458,343
RSVA-Retail Transmission Connection Charge	\$	16,626,828 kWh	\$953,421	\$2,440,471	\$2,262,768	\$218,026	\$1,008,739	\$1,144,224	\$281,127	\$498,337	\$58,849	\$10,385	\$11,933	\$11,975	\$7,726,574
RSVA-LV Variance	\$	3,970,868 kWh	\$227,699	\$582,840	\$540,401	\$52,070	\$240,910	\$273,267	\$67,139	\$119,014	\$14,055	\$2,480	\$2,850	\$2,860	\$1,845,283
RSVA-Global Adjustment	\$	(22,750,129) kWh for Non-RPP	(\$810,852)	(\$1,704,230)	(\$1,565,231)	(\$34,609)	(\$1,310,413)	(\$6,593,371)	(\$405,255)	(\$2,963,508)	(\$182,665)	(\$10,354)	(\$4,734)	(\$76,960)	(\$7,087,947)
RSVA-Power (Line Losses)	\$	(555,490) kWh	(\$51,853)	(\$61,534)	(\$75,597)	\$7,284	(\$33,701)	(\$38,228)	(\$9,392)	(\$16,649)	(\$1,966)	(\$347)	(\$399)	(\$400)	(\$258,139)
Disposition & Recovery of Regulatory Balances (2011)	\$	(705,561) kWh	(\$40,464)	(\$103,576)	(\$96,034)	(\$9,253)	(\$42,812)	(\$48,562)	(\$11,931)	(\$21,150)	(\$2,498)	(\$441)	(\$506)	(\$506)	(\$327,925)
RCVA	\$	1,064,118 Number of customers	\$174,033	\$367,661	\$275,577	\$116,190	\$75,433	\$5,141	\$14,298	\$4,036	\$23,396	\$4,636	\$1,519	\$664	\$664
OEB Costs	\$	9,317,037 OM&A	\$637,824	\$2,065,526	\$3,537,412	\$666,861	\$967,054	\$664,230	\$131,916	\$135,442	\$93,041	\$45,915	\$26,485	\$43,016	\$302,316
DSC Exemption	\$	6,674,988 2015 Revenue Requirement Share	\$360,485	\$1,322,749	\$2,521,511	\$437,932	\$724,392	\$693,288	\$100,508	\$143,362	\$60,043	\$19,226	\$13,891	\$36,502	\$241,099
Special Purpose Charge Variance	\$	173,860 kWh	\$9,970	\$25,518	\$23,861	\$2,280	\$10,548	\$11,965	\$2,940	\$5,211	\$615	\$109	\$125	\$125	\$80,794
MicroFit Connection Charge Variance	\$	(17,763,208) NFA	(\$785,511)	(\$3,223,933)	(\$6,915,224)	(\$1,128,712)	(\$1,934,720)	(\$2,146,684)	(\$270,950)	(\$437,111)	(\$157,153)	(\$69,979)	(\$29,071)	(\$14,995)	(\$648,149)
Deferred Pension	\$	(1,581,655) OM&A	(\$108,277)	(\$350,642)	(\$600,509)	(\$113,206)	(\$164,166)	(\$112,759)	(\$22,394)	(\$15,795)	(\$7,795)	(\$4,496)	(\$7,302)	(\$51,321)	(\$51,321)
Generator Joint Use	\$	60,129,031 2015 Revenue Requirement Share	\$3,247,285	\$11,915,469	\$22,714,052	\$3,944,943	\$6,525,408	\$6,245,212	\$905,384	\$1,291,419	\$540,873	\$173,192	\$125,134	\$328,811	\$2,171,448
Capex Variance	\$	(322,211) OM&A	(\$22,058)	(\$71,432)	(\$122,334)	(\$23,062)	(\$33,444)	(\$22,971)	(\$4,562)	(\$4,684)	(\$3,218)	(\$1,588)	(\$916)	(\$1,488)	(\$10,455)
Smart Meter	\$	(1,752,777) 2015 Revenue Requirement Share	(\$94,659)	(\$347,339)	(\$662,121)	(\$114,996)	(\$190,217)	(\$182,050)	(\$26,392)	(\$37,645)	(\$15,767)	(\$5,049)	(\$3,648)	(\$9,585)	(\$63,310)
Green Energy	\$	4,686,792 Number of customers excluding unmetered	\$790,325	\$1,669,638	\$1,251,464	\$527,648	\$342,560	\$23,346	\$64,929	\$9,967	\$0	\$0	\$0	\$0	\$9,966
Smart Grid	\$	(1,060,232) 2015 Revenue Requirement Share	(\$57,258)	(\$210,101)	(\$400,508)	(\$69,560)	(\$115,060)	(\$110,119)	(\$9,537)	(\$3,054)	(\$2,206)	(\$5,798)	(\$3,095)	(\$8,133)	(\$53,721)
Green Energy	\$	(1,487,313) 2015 Revenue Requirement Share	(\$80,323)	(\$294,733)	(\$561,840)	(\$97,580)	(\$161,408)	(\$154,478)	(\$22,395)	(\$31,944)	(\$13,379)	(\$4,284)	(\$3,095)	(\$8,133)	(\$53,721)
Total Regulatory Assets for Approval	\$	21,306,580													
	\$	21,306,580	\$ 437,961	\$ 3,938,321	\$ 12,796,230	\$ 3,468,593	\$ 1,749,251	\$ (5,067,106)	\$ (380,307)	\$ (3,412,213)	\$ 126,845	\$ 128,988	\$ 85,874	\$ 257,152	\$ 7,176,992
Recovery per year		\$ 4,261,316	\$ 87,592	\$ 787,664	\$ 2,559,246	\$ 693,719	\$ 349,850	\$ (1,013,421)	\$ (76,061)	\$ (682,443)	\$ 25,369	\$ 25,798	\$ 17,175	\$ 51,430	\$ 1,435,398
Fixed and Volumetric Rider Revenue Def/Var Accounts (Rows 24, 25, 27, 28, 29, 30, 31, 33, 34)	\$	10,430,732	\$ 619,482	\$ 2,161,113	\$ 3,902,088	\$ 700,524	\$ 1,123,566	\$ 974,734	\$ 155,030	\$ 202,615	\$ 95,820	\$ 29,317	\$ 24,236	\$ 72,205	\$ 370,002
Fixed Portion (Row42*(Row10 / (Row10+11)))	\$	4,416,513	\$ 367,247	\$ 1,047,737	\$ 2,137,981	\$ 361,723	\$ 249,865	\$ 48,973	\$ 39,345	\$ 15,129	\$ 1,972	\$ 7,570	\$ 18,986	\$ 53,625	\$ 66,360
Volumetric Portion (Row42*(Row11 / (Row10+11)))	\$	6,014,219	\$ 252,235	\$ 1,113,376	\$ 1,764,106	\$ 338,801	\$ 873,701	\$ 925,760	\$ 115,685	\$ 187,486	\$ 93,848	\$ 21,747	\$ 5,250	\$ 18,581	\$ 303,642
Fixed Rider Revenue Def/Var Accounts (Rows 23 & 32)	\$	1,150,182	\$ 192,871	\$ 407,460	\$ 305,408	\$ 128,768	\$ 83,599	\$ 5,697	\$ 15,845	\$ 1,700	\$ 807	\$ 4,679	\$ 927	\$ 1,683	\$ 736
Volumetric Rider Revenue Def/Var Accounts (Rows 16, 17, 18, 19, 21, 22, 26)	\$	(2,769,572)	\$ (562,590)	\$ (1,440,062)	\$ (1,335,204)	\$ (128,652)	\$ (595,232)	\$ (675,178)	\$ (165,886)	\$ (294,056)	\$ (34,725)	\$ (6,128)	\$ (7,041)	\$ (7,066)	\$ 2,482,249
Volumetric GA Rider Revenue Account (Row 20)	\$	(4,550,026)	\$ (162,170)	\$ (340,846)	\$ (313,046)	\$ (6,922)	\$ (262,083)	\$ (1,318,674)	\$ (81,051)	\$ (592,702)	\$ (36,533)	\$ (2,071)	\$ (947)	\$ (15,392)	\$ (1,417,589)
TOTAL FIXED RIDER REVENUE (ROWS 43+46)	\$	5,566,695	\$ 560,118	\$ 1,455,197	\$ 2,443,390	\$ 490,491	\$ 333,464	\$ 54,671	\$ 55,190	\$ 16,829	\$ 2,779	\$ 12,249	\$ 19,913	\$ 55,308	\$ 67,096
TOTAL VOLUMETRIC RIDER REVENUE (ROWS 44+47)	\$	3,244,647	\$ (310,356)	\$ (326,687)	\$ 428,903	\$ 210,150	\$ 278,469	\$ 250,582	\$ (50,201)	\$ (106,570)	\$ 59,123	\$ 15,619	\$ (1,791)	\$ 11,515	\$ 2,785,892
GA RIDER REVENUE (ROW 48)	\$	(4,550,026)	\$ (162,170)	\$ (340,846)	\$ (313,046)	\$ (6,922)	\$ (262,083)	\$ (1,318,674)	\$ (81,051)	\$ (592,702)	\$ (36,533)	\$ (2,071)	\$ (947)	\$ (15,392)	\$ (1,417,589)
Monthly Fixed Rider			UR 0.21	R1 0.26	R2 0.59	Seasonal 0.28	GSe 0.29	GSd 0.71	UGe 0.26	UGd 0.73	St Lgt 0.05	Sen Lgt 0.03	USL 0.28	Dgen 2.42	ST 6.70
Volumetric Rider-General (kWh)			(0.0002)	(0.0001)	0.0001	0.0004	0.0001				0.0005	0.0007	(0.0001)		
Volumetric Rider-General (kW)							0.0297	(0.0357)	(0.0357)	(0.0357)				0.0449	*see ST rider derivation below (0.0006)
Volumetric Rider-GA			(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	(0.0006)	

ST Volumetric Rider Derivation	Rider Revenue (\$)	Charge Determinant (kW)	Rider (\$/kW)
General (All volumetric rider revenue excluding RSVA-Wholesale Market Service Charge)	5,808,628	30,861,915	0.1882
Excluding WMP (Rider revenue for RSVA Wholesale Market Service Charge)	-3,022,737	11,373,585	-0.2658

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 Rate Rider L = E / I	Distribution Volumetric Rate kW Rate Rider M = F / J
Residential – Urban [UR]	51,427,454	35,321,685		\$ (1,965,518)	\$ (1,349,968)	\$ -	\$ (3,315,486)	209,540	2,001,279,224	0	-\$0.78	-\$0.0007	
Residential – Medium Density [R1]	148,095,408	157,373,247		\$ (5,660,094)	\$ (6,014,686)	\$ -	\$ (11,674,779)	438,279	5,052,450,592	0	-\$1.08	-\$0.0012	
Residential – Low Density [R2]	273,243,014	225,460,205		\$ (10,443,140)	\$ (8,616,917)	\$ -	\$ (19,060,057)	335,043	4,933,406,049	0	-\$2.60	-\$0.0017	
Seasonal Residential	45,813,014	42,909,927		\$ (1,750,939)	\$ (1,639,985)	\$ -	\$ (3,390,923)	143,666	474,073,680	0	-\$1.02	-\$0.0035	
General Service Energy Billed (less than to 50 kW) [GSe - metered]	33,750,230	118,014,032		\$ (1,289,908)	\$ (4,510,406)	\$ -	\$ (5,800,314)	93,508	2,194,809,668	0	-\$1.15	-\$0.0021	
General Service Demand Billed (50 kW and above) [GSd]	6,158,534		116,416,742	\$ (235,374)	\$ -	\$ (4,449,359)	\$ (4,684,734)	6,113	2,404,019,346	8,484,670	-\$3.21		-\$0.5244
Urban General Service Energy Billed (less than 50 kW) [UGe]	4,936,367	14,514,391		\$ (188,664)	\$ (554,729)	\$ -	\$ (743,393)	17,768	604,059,537	0	-\$0.88	-\$0.0009	
Urban General Service Demand Billed (50 kW and above) [UGd]	1,939,420		24,034,558	\$ (74,123)	\$ -	\$ (918,582)	\$ (992,706)	1,901	1,067,646,621	3,058,267	-\$3.25		-\$0.3004
Street Lighting	235,424	11,203,504		\$ (8,998)	\$ (428,189)	\$ -	\$ (437,187)	4,883	123,507,003	0	-\$0.15	-\$0.0035	
Sentinel Lighting	872,015	2,505,272		\$ (33,328)	\$ (95,750)	\$ -	\$ (129,077)	30,009	21,795,353	0	-\$0.09	-\$0.0044	
Unmetered Scattered Load [USL]	2,667,995	737,760		\$ (101,969)	\$ (28,197)	\$ -	\$ (130,165)	5,642	24,056,636	0	-\$1.51	-\$0.0012	
Distributed Generation [DGen]	2,036,375		705,589	\$ (77,829)	\$ -	\$ (26,967)	\$ (104,796)	1,010	21,102,942	218,099	-\$6.42		-\$0.1248
Sub-Transmission [ST]	8,380,897		38,348,465	\$ (320,311)	\$ -	\$ (1,465,649)	\$ (1,785,961)	810	16,560,342,139	30,696,855	-\$32.96		-\$0.0477
Total Revenue from Rates		1,367,101,526		\$ (22,150,194)	\$ (23,238,826)	\$ (6,860,558)	\$ (52,249,579)						
		\$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 Rider L = E / I	Distribution Volumetric Rate kW Rate Rider M = F / J
Residential – Urban [UR]	53,385,366	36,666,429		\$ (2,467,431)	\$ (1,708,431)	\$ -	\$ (4,195,862)	211,691	2,016,183,097	0	-\$0.98	-\$0.0008	
Residential – Medium Density [R1]	156,829,551	166,654,565		\$ (7,307,296)	\$ (7,765,081)	\$ -	\$ (15,072,377)	443,872	5,108,854,783	0	-\$1.37	-\$0.0015	
Residential – Low Density [R2]	296,802,263	244,899,579		\$ (13,829,166)	\$ (11,410,819)	\$ -	\$ (25,239,985)	337,693	4,923,248,614	0	-\$3.41	-\$0.0023	
Seasonal Residential	49,218,341	46,099,464		\$ (2,293,273)	\$ (2,147,952)	\$ -	\$ (4,441,225)	144,188	471,244,703	0	-\$1.33	-\$0.0046	
General Service Energy Billed (less than to 50 kW) [GSe - metered]	36,372,665	127,183,870		\$ (1,694,743)	\$ (5,925,989)	\$ -	\$ (7,620,732)	93,788	2,206,447,679	0	-\$1.51	-\$0.0027	
General Service Demand Billed (50 kW and above) [GSd]	6,805,470		128,645,975	\$ (317,093)	\$ -	\$ (5,994,114)	\$ (6,311,207)	6,196	2,438,092,291	8,493,971	-\$4.26		-\$0.7057
Urban General Service Energy Billed (less than 50 kW) [UGe]	5,291,997	15,560,050		\$ (246,575)	\$ (725,003)	\$ -	\$ (971,578)	17,808	609,041,231	0	-\$1.15	-\$0.0012	
Urban General Service Demand Billed (50 kW and above) [UGd]	2,125,811		26,344,432	\$ (99,050)	\$ -	\$ (1,227,489)	\$ (1,326,539)	1,907	1,077,211,367	3,045,878	-\$4.33		-\$0.4030
Street Lighting	259,330	12,341,181		\$ (12,083)	\$ (575,023)	\$ -	\$ (587,107)	4,927	124,955,158	0	-\$0.20	-\$0.0046	
Sentinel Lighting	996,184	2,862,005		\$ (46,416)	\$ (133,352)	\$ -	\$ (179,768)	29,840	22,050,910	0	-\$0.13	-\$0.0060	
Unmetered Scattered Load [USL]	2,698,739	746,261		\$ (125,745)	\$ (34,771)	\$ -	\$ (160,516)	5,691	24,648,223	0	-\$1.84	-\$0.0014	
Distributed Generation [DGen]	3,218,242		1,115,098	\$ (149,950)	\$ -	\$ (51,957)	\$ (201,907)	1,289	22,988,381	232,370	-\$9.70		-\$0.2236
Sub-Transmission [ST]	9,082,840		41,560,348	\$ (423,205)	\$ -	\$ (1,936,457)	\$ (2,359,662)	816	16,629,105,596	30,723,761	-\$43.24		-\$0.0630
Total Revenue from Rates		1,473,766,057		\$ (29,032,026)	\$ (30,426,422)	\$ (9,210,017)	\$ (68,668,464)						
			\$O				\$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 Rider L = E / I	Distribution Volumetric Rate kW Rate Rider M = F / J
Residential – Urban [UR]	53,086,140	36,460,913		\$ (776,612)	\$ (533,397)	\$ -	\$ (1,310,008)	213,918	2,039,119,237	0	-\$0.30	-\$0.0003	
Residential – Medium Density [R1]	157,346,592	167,203,998		\$ (2,301,866)	\$ (2,446,073)	\$ -	\$ (4,747,940)	449,678	5,183,502,386	0	-\$0.43	-\$0.0005	
Residential – Low Density [R2]	309,191,031	255,121,886		\$ (4,523,240)	\$ (3,732,248)	\$ -	\$ (8,255,489)	340,418	4,933,428,083	0	-\$1.11	-\$0.0008	
Seasonal Residential	51,465,023	48,203,778		\$ (752,896)	\$ (705,186)	\$ -	\$ (1,458,082)	144,731	473,246,268	0	-\$0.43	-\$0.0015	
General Service Energy Billed (less than to 50 kW) [GSe - metered]	37,565,183	131,353,734		\$ (549,551)	\$ (1,921,610)	\$ -	\$ (2,471,161)	94,081	2,215,826,849	0	-\$0.49	-\$0.0009	
General Service Demand Billed (50 kW and above) [GSd]	7,429,648		140,445,014	\$ (108,690)	\$ -	\$ (2,054,609)	\$ (2,163,299)	6,282	2,468,895,806	8,541,960	-\$1.44		-\$0.2405
Urban General Service Energy Billed (less than 50 kW) [UGe]	5,650,608	16,614,473		\$ (82,664)	\$ (243,058)	\$ -	\$ (325,722)	17,851	613,411,739	0	-\$0.39	-\$0.0004	
Urban General Service Demand Billed (50 kW and above) [UGd]	2,308,146		28,604,052	\$ (33,767)	\$ -	\$ (418,457)	\$ (452,223)	1,913	1,085,625,236	3,048,496	-\$1.47		-\$0.1373
Street Lighting	273,900	12,991,710		\$ (3,994)	\$ (190,059)	\$ -	\$ (194,053)	4,973	125,123,040	0	-\$0.07	-\$0.0015	
Sentinel Lighting	1,080,721	3,104,879		\$ (15,810)	\$ (45,422)	\$ -	\$ (61,232)	29,671	22,080,536	0	-\$0.04	-\$0.0021	
Unmetered Scattered Load [USL]	2,711,412	749,765		\$ (39,666)	\$ (10,969)	\$ -	\$ (50,635)	5,734	25,229,669	0	-\$0.58	-\$0.0004	
Distributed Generation [DGen]	4,382,188		1,511,467	\$ (63,816)	\$ -	\$ (22,112)	\$ (85,927)	1,523	23,930,288	240,223	-\$3.49		-\$0.0920
Sub-Transmission [ST]	9,565,037		43,766,735	\$ (139,930)	\$ -	\$ (640,276)	\$ (780,205)	822	16,730,826,230	30,976,388	-\$14.19		-\$0.0207
Total Revenue from Rates		1,528,167,137		\$ (9,392,502)	\$ (9,828,022)	\$ (3,135,452)	\$ (22,355,976)						
			\$0				\$N						

Name of LDC: Hydro One Networks 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 Customers or Connections H	Billed kWh I	Billed kW J	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
Residential – Urban [UR]	51,981,657	35,702,326		\$ 1,364,345	\$ 937,067	\$ -	\$ 2,301,412	216,443	2,049,900,221	0	\$0.53	\$0.0005	
Residential – Medium Density [R1]	154,972,510	164,681,184		\$ 4,067,512	\$ 4,322,332	\$ -	\$ 8,389,844	456,145	5,228,175,767	0	\$0.74	\$0.0008	
Residential – Low Density [R2]	321,266,567	265,085,738		\$ 8,432,177	\$ 6,957,617	\$ -	\$ 15,389,794	343,578	4,912,424,145	0	\$2.05	\$0.0014	
Seasonal Residential	52,870,947	49,520,611		\$ 1,387,686	\$ 1,299,751	\$ -	\$ 2,687,437	145,457	472,806,230	0	\$0.80	\$0.0027	
General Service Energy Billed (less than 50 kW) [GSe - metered]	38,179,464	133,501,685		\$ 1,002,084	\$ 3,503,974	\$ -	\$ 4,506,058	94,493	2,199,124,798	0	\$0.88	\$0.0016	
General Service Demand Billed (50 kW and above) [GSd]	7,920,862		149,730,591	\$ 207,896	\$ -	\$ 3,929,929	\$ 4,137,825	6,375	2,471,784,997	8,499,358	\$2.72		\$0.4624
Urban General Service Energy Billed (less than 50 kW) [UGe]	5,908,365	17,372,353		\$ 155,075	\$ 455,966	\$ -	\$ 611,041	17,919	610,815,360	0	\$0.72	\$0.0007	
Urban General Service Demand Billed (50 kW and above) [UGd]	2,447,256		30,327,988	\$ 64,232	\$ -	\$ 796,009	\$ 860,241	1,921	1,081,837,005	3,019,175	\$2.79		\$0.2637
Street Lighting	284,795	13,553,031		\$ 7,475	\$ 355,722	\$ -	\$ 363,197	5,026	125,657,151	0	\$0.12	\$0.0028	
Sentinel Lighting	1,152,982	3,312,482		\$ 30,262	\$ 86,942	\$ -	\$ 117,204	29,554	22,174,791	0	\$0.09	\$0.0039	
Unmetered Scattered Load [USL]	2,841,768	730,507		\$ 69,338	\$ 19,173	\$ -	\$ 88,511	5,776	25,522,507	0	\$1.00	\$0.0008	
Distributed Generation [DGen]	5,492,485		1,903,107	\$ 144,159	\$ -	\$ 49,950	\$ 194,110	1,719	24,887,701	248,297	\$6.99		\$0.2012
Sub-Transmission [ST]	10,003,436		45,772,716	\$ 262,557	\$ -	\$ 1,201,381	\$ 1,463,938	829	16,717,789,744	30,960,496	\$26.40		\$0.0388
Total Revenue from Rates		1,566,317,415		\$ 17,194,798	\$ 17,938,545	\$ 5,977,269	\$ 41,110,611						
		\$0					\$N						

		Distribution Volumetric	Distribution Volumetric		Distribution Volumetric	Distribution Volumetric			Billed Customers or Connections	Billed kWh	Billed kW		Distribution Volumetric	Distribution Volumetric	
Rate Class	Service Charge Revenue A	Rate Revenue kWh B	Rate Revenue kW C	Service Charge Rider Revenue D = \$N * (A/\$O)	Revenue kWh E = \$N * (B/\$O)	Revenue kW F = \$N * (C/\$O)	Total Revenue by Rate Class G = D + E + F		H	I	J		Service Charge Rate Rider K = D / H / 12	Rate kWh Rate Rider L = E / I	Rate kWh Rate Rider M = F / J
Residential – Urban [UR]	51,547,225	35,403,947		\$ 3,270,216	\$ 2,248,068	\$ -	\$ 5,516,284		218,631	2,052,905,845	0		\$1.25	\$0.0011	
Residential – Medium Density [R1]	154,682,499	164,373,005		\$ 9,613,238	\$ 10,428,015	\$ -	\$ 20,241,253		461,880	5,254,821,459	0		\$1.77	\$0.0020	
Residential – Low Density [R2]	333,239,593	274,965,005		\$ 21,141,108	\$ 17,444,101	\$ -	\$ 38,585,209		348,199	4,872,190,236	0		\$5.09	\$0.0036	
Seasonal Residential	54,544,229	51,087,861		\$ 3,460,349	\$ 3,241,073	\$ -	\$ 6,701,423		145,966	469,453,136	0		\$1.98	\$0.0069	
General Service Energy Billed (less than 50 kW) [GSe - metered]	38,857,061	135,871,029		\$ 2,465,137	\$ 8,619,816	\$ -	\$ 11,084,954		94,764	2,172,016,594	0		\$2.17	\$0.0040	
General Service Demand Billed (50 kW and above) [GSd]	8,401,886		158,823,531	\$ 533,025	\$ -	\$ 10,075,950	\$ 10,609,975		6,458	2,463,741,578	8,443,180		\$6.88		\$1.1934
Urban General Service Energy Billed (less than 50 kW) [UGe]	6,152,601	18,090,481		\$ 390,328	\$ 1,147,681	\$ -	\$ 1,538,009		17,962	605,321,588	0		\$1.81	\$0.0019	
Urban General Service Demand Billed (50 kW and above) [UGd]	2,581,998		31,997,794	\$ 163,805	\$ -	\$ 2,029,977	\$ 2,193,782		1,927	1,073,018,433	2,984,482		\$7.08		\$0.6802
Street Lighting	298,068	14,134,670		\$ 18,910	\$ 899,892	\$ -	\$ 918,802		5,071	126,713,808	0		\$0.31	\$0.0071	
Sentinel Lighting	1,197,401	3,440,067		\$ 75,965	\$ 219,245	\$ -	\$ 294,308		28,211	22,361,260	0		\$0.22	\$0.0098	
Unmetered Scattered Load [USL]	2,624,842	725,827		\$ 168,523	\$ 46,047	\$ -	\$ 212,570		5,824	25,693,770	0		\$2.38	\$0.0018	
Distributed Generation [DGen]	6,538,790		2,265,644	\$ 414,828	\$ -	\$ 143,735	\$ 558,564		1,908	25,783,933	256,373		\$18.12		\$0.5606
Sub-Transmission [ST]	10,430,018		47,724,630	\$ 661,693	\$ -	\$ 3,027,706	\$ 3,689,399		835	16,636,856,910	30,861,915		\$66.06		\$0.0981
	Total Revenue from Rates	1,610,049,732		\$ 42,575,126	\$ 44,290,937	\$ 15,277,369	\$ 102,143,432								
			\$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 approved in proceeding EB-2012-0031, effective January 1, 2014 comprise the
13 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.

2.0 ESTIMATING RETAIL TRANSMISSION SERVICE CHARGES FROM IESO

To estimate the transmission charges from the IESO, Hydro One used the forecast 2015 load at each of its transmission connections and applied the currently approved Transmission rates as of January 1, 2014. This resulted in a estimated charge of \$242.4 million for Network charges, \$117.4 million for Transformation Connection charges and \$44.1 million for Line Connection charges for a total of \$403.8 million, as shown in Table 1.

The estimated 2015 transmission charges from the IESO need to be recovered from all Hydro One's distribution customers. For the ST customer class, sufficient connectivity data exists to allow Hydro One to allocate the appropriate share of transmission charges based on the total ST customer's load coincident with the IESO's monthly billing peak for their transmission delivery point. This results in 47% of the \$403.8 million being allocated to the ST class with the residual 53% being recovered from the other rate classes. Among the other rate classes, hourly load shape data is used to allocate the costs to each individual class, consistent with the methodology of Chapter 11 of the 2000 Electricity Distribution Rate Handbook.

Table 1 shows the estimated 2015 IESO charges allocated to the customer classes. Since the data in Table 1 will be impacted by changes to the UTR, Hydro One proposes to provide an update to the table below as part of the Draft Rate Order process for 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	\$242,410,267	\$44,066,378	\$117,362,702	\$403,839,347	
ST	\$114,553,663	\$18,633,842	\$55,996,318	\$189,183,823	47%
Retail	\$127,856,604	\$25,432,536	\$61,366,384	\$214,655,524	53%
UR	\$14,931,720	\$2,997,095	\$7,231,717	\$25,160,533	
R1	\$35,833,193	\$7,359,241	\$17,757,177	\$60,949,611	
R2	\$35,410,589	\$7,226,700	\$17,437,367	\$60,074,656	
Seasonal	\$2,779,321	\$664,974	\$1,604,522	\$5,048,816	
UGe	\$3,991,309	\$709,395	\$1,711,706	\$6,412,410	
UGd	\$6,212,497	\$1,139,060	\$2,748,447	\$10,100,003	
GSe	\$13,906,815	\$2,526,900	\$6,097,178	\$22,530,893	
GSd	\$13,933,555	\$2,614,135	\$6,307,668	\$22,855,358	
DGen	\$118,643	\$21,797	\$52,593	\$193,033	
USL	\$121,617	\$23,192	\$55,959	\$200,768	
Lighting	\$617,346	\$150,047	\$362,050	\$1,129,443	

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

The proposed RTSR for 2015 will be updated in the event new UTR are approved to be effect in 2015, at the time the 2015 Draft Rate Order for this proceeding is submitted. An

update to Table 2 will be provided as part of the Draft Rate Order process for subsequent years of the Custom COS period.

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

Table 2

Proposed 2015 RTSR

RATE CLASS	Approved 2014 Rates		Proposed 2015 Rates	
	Network	Line Connection	Network	Line Connection
Urban (\$/kWh)	0.00707	0.00489	0.0071	0.0048
R1 (\$/kWh)	0.00719	0.00499	0.0066	0.0046
R2 (\$/kWh)	0.00702	0.00470	0.0065	0.0045
Seasonal (\$/kWh)	0.00663	0.00460	0.0053	0.0043
Urban General Service energy (\$/kWh)	0.00544	0.00358	0.0062	0.0038
Urban General Service demand (\$/kW)	1.78	1.17	1.9346	1.2106
General Service energy (\$/kWh)	0.00527	0.00350	0.0058	0.0036
General Service demand (\$/kW)	1.71	1.11	1.5478	0.9911
Distributed Generator (\$/kW)	0.36	0.23	0.5175	0.3245
Unmetered Scattered Load (\$/kWh)	0.00527	0.00350	0.0046	0.0030
Street and Sentinel Lights (\$/kWh)	0.00442	0.00297	0.0039	0.0032
ST (\$/kW)	3.23	0.65 Line	3.4482	0.7512 Line
		1.62 Transf.		1.7838 Transf.

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

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		\$2.34	12.2%	\$2.14	6.4%	\$0.41	1.9%	\$0.42	1.2%	\$0.35	1.6%	\$0.36	1.0%	\$0.18	0.8%	\$0.18	0.5%	\$0.38	1.7%	\$0.39	1.1%
	Typical	800		(\$4.22)	-11.2%	(\$6.23)	-4.4%	\$0.76	2.3%	\$0.77	0.6%	\$0.49	1.4%	\$0.50	0.4%	\$0.39	1.1%	\$0.40	0.3%	\$0.59	1.7%	\$0.60	0.4%
	High	2,000		(\$15.48)	-22.4%	(\$20.57)	-6.3%	\$1.36	2.5%	\$1.38	0.5%	\$0.73	1.3%	\$0.74	0.2%	\$0.75	1.3%	\$0.76	0.2%	\$0.95	1.7%	\$0.97	0.3%
R1	Low	100		\$2.80	10.2%	\$2.64	6.3%	\$1.11	3.7%	\$1.13	2.5%	\$0.71	2.3%	\$0.72	1.6%	\$0.35	1.1%	\$0.36	0.8%	\$0.72	2.2%	\$0.73	1.6%
	Typical	800		(\$0.75)	-1.4%	(\$2.42)	-1.5%	\$1.95	3.8%	\$1.98	1.3%	\$1.20	2.3%	\$1.22	0.8%	\$0.63	1.2%	\$0.64	0.4%	\$1.42	2.6%	\$1.44	0.9%
	High	2,000		(\$6.83)	-7.3%	(\$11.11)	-3.1%	\$3.39	3.9%	\$3.45	1.0%	\$2.04	2.3%	\$2.07	0.6%	\$1.11	1.2%	\$1.13	0.3%	\$2.62	2.8%	\$2.66	0.8%
R2	Low	100		\$2.89	7.8%	\$3.00	5.8%	\$4.81	12.1%	\$4.89	9.0%	\$5.10	11.4%	\$5.19	8.7%	\$5.85	11.8%	\$5.95	9.2%	\$5.79	10.4%	\$5.89	8.3%
	Typical	800		\$6.23	9.7%	\$6.85	4.0%	\$7.19	10.2%	\$7.31	4.1%	\$7.55	9.7%	\$7.68	4.2%	\$9.00	10.5%	\$9.15	4.8%	\$9.01	9.5%	\$9.16	4.6%
	High	2,000		\$11.97	10.7%	\$13.46	3.6%	\$11.27	9.1%	\$11.46	3.0%	\$11.75	8.7%	\$11.95	3.0%	\$14.40	9.8%	\$14.64	3.6%	\$14.53	9.0%	\$14.78	3.5%
Seasonal	Low	50		\$2.27	8.1%	\$2.28	6.4%	\$1.88	6.2%	\$1.91	5.0%	\$2.44	7.6%	\$2.48	6.2%	\$2.24	6.5%	\$2.28	5.4%	\$2.44	6.7%	\$2.49	5.5%
	Typical	400		\$2.72	4.7%	\$2.57	2.3%	\$4.05	6.7%	\$4.12	3.6%	\$4.96	7.6%	\$5.04	4.3%	\$4.69	6.7%	\$4.77	3.9%	\$5.35	7.2%	\$5.44	4.3%
	High	1,000		\$3.51	3.2%	\$3.07	1.3%	\$7.77	6.9%	\$7.90	3.2%	\$9.28	7.7%	\$9.44	3.7%	\$8.89	6.8%	\$9.04	3.5%	\$10.33	7.4%	\$10.51	3.9%
GSe	Low	1,000		(\$0.20)	-0.2%	\$0.93	0.4%	\$5.07	6.3%	\$5.16	2.5%	\$5.47	6.4%	\$5.56	2.6%	\$5.67	6.2%	\$5.77	2.6%	\$6.08	6.3%	\$6.18	2.7%
	Typical	2,000		\$10.20	8.3%	\$12.65	3.4%	\$8.27	6.2%	\$8.41	2.2%	\$8.97	6.4%	\$9.12	2.3%	\$9.57	6.4%	\$9.73	2.4%	\$10.38	6.5%	\$10.56	2.5%
	High	15,000		\$145.40	22.0%	\$180.54	6.5%	\$49.87	6.2%	\$55.06	1.9%	\$54.47	6.4%	\$60.14	2.0%	\$60.27	6.6%	\$66.58	2.2%	\$66.28	6.8%	\$73.24	2.3%
UGe	Low	1,000		\$14.82	48.3%	\$13.41	8.5%	\$2.54	5.6%	\$2.58	1.5%	\$4.78	9.9%	\$4.86	2.8%	\$4.61	8.7%	\$4.69	2.6%	\$4.86	8.5%	\$4.94	2.7%
	Typical	2,000		\$21.24	44.9%	\$18.28	6.1%	\$3.74	5.5%	\$3.80	1.2%	\$7.18	9.9%	\$7.30	2.3%	\$7.01	8.8%	\$7.13	2.2%	\$7.56	8.7%	\$7.69	2.3%
	High	15,000		\$104.70	39.8%	\$88.09	3.7%	\$19.34	5.3%	\$21.30	0.9%	\$38.38	9.9%	\$42.29	1.7%	\$38.21	9.0%	\$42.11	1.7%	\$42.66	9.2%	\$47.05	1.8%
GSd	Low	15,000	60	\$126.00	16.8%	\$122.30	4.3%	\$81.23	9.3%	\$91.79	3.1%	\$115.86	12.1%	\$130.93	4.3%	\$122.11	11.4%	\$137.98	4.4%	\$124.80	10.5%	\$141.02	4.3%
	Typical	35,000	120	\$226.79	15.8%	\$216.10	3.5%	\$155.93	9.4%	\$176.20	2.8%	\$221.85	12.2%	\$250.69	3.8%	\$235.06	11.5%	\$265.62	3.9%	\$240.54	10.6%	\$271.81	3.8%
	High	175,000	500	\$865.11	14.9%	\$810.22	2.8%	\$629.07	9.4%	\$710.85	2.4%	\$893.08	12.2%	\$1,009.18	3.3%	\$950.45	11.6%	\$1,074.01	3.4%	\$973.60	10.6%	\$1,100.17	3.4%
UGd	Low	15,000	60	\$90.18	20.3%	\$96.51	3.9%	\$48.11	9.0%	\$54.36	2.1%	\$70.68	12.2%	\$79.87	3.0%	\$73.80	11.3%	\$83.39	3.1%	\$75.49	10.4%	\$85.31	3.1%
	Typical	35,000	120	\$130.56	15.3%	\$131.06	2.4%	\$89.39	9.1%	\$101.01	1.8%	\$130.83	12.2%	\$147.84	2.6%	\$137.73	11.4%	\$155.64	2.6%	\$141.17	10.5%	\$159.53	2.6%
	High	175,000	500	\$386.34	11.2%	\$334.72	1.3%	\$350.87	9.1%	\$396.48	1.5%	\$511.74	12.2%	\$578.27	2.1%	\$542.66	11.5%	\$613.21	2.2%	\$557.16	10.6%	\$629.59	2.2%
St Lgt	Low	100		\$3.78	42.5%	\$3.81	18.1%	\$1.03	8.1%	\$1.05	4.2%	\$1.13	8.2%	\$1.15	4.4%	\$1.18	8.0%	\$1.20	4.4%	\$1.20	7.5%	\$1.22	4.3%
	Typical	500		\$9.14	23.7%	\$9.13	9.3%	\$3.83	8.0%	\$3.90	3.6%	\$4.41	8.6%	\$4.48	4.0%	\$4.54	8.1%	\$4.62	4.0%	\$4.52	7.5%	\$4.60	3.8%
	High	2,000		\$29.22	19.5%	\$29.07	7.1%	\$14.33	8.0%	\$14.57	3.3%	\$16.71	8.6%	\$16.99	3.8%	\$17.14	8.2%	\$17.43	3.7%	\$16.97	7.5%	\$17.26	3.5%
Sen Lgt	Low	20		\$1.02	28.6%	\$1.03	16.6%	\$0.59	12.8%	\$0.60	8.3%	\$0.65	12.5%	\$0.66	8.4%	\$0.64	10.9%	\$0.65	7.6%	\$0.48	7.4%	\$0.48	5.3%
	Typical	50		\$1.26	18.9%	\$1.26	9.8%	\$0.99	12.5%	\$1.01	7.1%	\$1.09	12.2%	\$1.11	7.3%	\$1.08	10.8%	\$1.10	6.8%	\$0.79	7.1%	\$0.80	4.6%
	High	200		\$2.45	11.1%	\$2.43	5.3%	\$3.00	12.2%	\$3.05	6.3%	\$3.31	12.0%	\$3.37	6.5%	\$3.30	10.7%	\$3.36	6.1%	\$2.33	6.8%	\$2.37	4.1%
USL	Low	100		\$7.37	21.8%	\$7.37	15.8%	(\$0.30)	-0.7%	(\$0.31)	-0.6%	\$1.18	2.9%	\$1.20	2.2%	\$0.26	0.6%	\$0.26	0.5%	\$0.87	2.1%	\$0.88	1.6%
	Typical	500		\$2.61	5.2%	\$2.00	1.8%	(\$0.54)	-1.0%	(\$0.55)	-0.5%	\$1.34	2.6%	\$1.36	1.2%	\$0.26	0.5%	\$0.26	0.2%	\$1.11	2.1%	\$1.13	1.0%
	High	1,000		(\$3.34)	-4.7%	(\$4.70)	-2.4%	(\$0.84)	-1.2%	(\$0.85)	-0.4%	\$1.54	2.3%	\$1.57	0.8%	\$0.26	0.4%	\$0.26	0.1%	\$1.41	2.1%	\$1.43	0.7%
DGen	Low	300	10	\$91.42	88.5%	\$106.39	66.7%	\$51.46	26.4%	\$58.15	21.9%	\$53.36	21.7%	\$60.30	18.6%	\$55.04	18.4%	\$62.20	16.2%	\$45.97	13.0%	\$51.95	11.6%
	Typical	2,000	20	\$61.57	37.4%	\$75.75	17.4%	\$65.91	29.1%	\$74.48	14.6%	\$69.72	23.9%	\$78.79	13.4%	\$71.80	19.8%	\$81.14	12.2%	\$61.37	14.2%	\$69.35	9.3%
	High	5,000	100	(\$177.23)	-27.1%	(\$169.38)	-12.1%	\$181.56	38.0%	\$205.16	16.7%	\$200.61	30.4%	\$226.69	15.8%	\$205.89	23.9%	\$232.66	14.0%	\$184.57	17.3%	\$208.56	11.0%
ST	Low	200,000	500	\$465.32	36.6%	\$806.39	2.9%	\$140.20	8.1%	\$158.43	0.6%	\$118.09	6.3%	\$133.44	0.5%	\$159.87	8.0%	\$180.65	0.6%	\$155.15	7.2%	\$175.32	0.6%
	Typical	500,000	1,000	\$603.07	34.2%	\$1,242.63	1.9%	\$196.00	8.3%	\$221.48	0.3%	\$172.54	6.7%	\$194.97	0.3%	\$223.02	8.2%	\$252.01	0.4%	\$220.25	7.4%	\$248.88	0.4%
	High	4,000,000	10,000	\$3,082.57	28.9%	\$9,094.88	1.7%	\$1,200.40	8.7%	\$1,356.45	0.2%	\$1,152.64	7.7%	\$1,302.48	0.2%	\$1,359.72	8.4%	\$1,536.48	0.3%	\$1,392.05	8.0%	\$1,573.02	0.3%

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		\$11.11	57.7%	\$11.20	33.5%
	Typical	800		\$13.72	36.5%	\$13.10	9.3%
	High	2,000		\$18.18	26.3%	\$16.38	5.0%
UR -> R2	Low	100		\$20.59	106.9%	\$21.14	63.3%
	Typical	800		\$33.14	88.2%	\$35.25	24.9%
	High	2,000		\$54.64	79.2%	\$59.45	18.2%
R1 -> UR	Low	100		(\$5.97)	-21.6%	(\$6.41)	-15.3%
	Typical	800		(\$18.69)	-35.9%	(\$21.76)	-13.9%
	High	2,000		(\$40.49)	-43.1%	(\$48.06)	-13.6%
R2 -> UR	Low	100		(\$15.36)	-41.6%	(\$15.99)	-31.0%
	Typical	800		(\$31.13)	-48.3%	(\$34.63)	-20.4%
	High	2,000		(\$58.15)	-52.1%	(\$66.57)	-17.9%
R2 -> R1	Low	100		(\$6.59)	-17.8%	(\$6.94)	-13.5%
	Typical	800		(\$13.19)	-20.4%	(\$15.29)	-9.0%
	High	2,000		(\$24.49)	-21.9%	(\$29.62)	-7.9%
R1 -> R2	Low	100		\$12.28	44.6%	\$12.58	30.0%
	Typical	800		\$18.67	35.9%	\$19.72	12.6%
	High	2,000		\$29.63	31.5%	\$31.97	9.0%
Seasonal -> R1	Low	100		(\$1.87)	-5.8%	(\$2.08)	-4.5%
	Typical	800		(\$41.20)	-44.5%	(\$43.35)	-21.9%
	High	2,000		(\$108.63)	-55.5%	(\$114.10)	-25.0%
Seasonal -> R2	Low	100		\$7.61	23.6%	\$7.86	16.8%
	Typical	800		(\$21.78)	-23.5%	(\$21.20)	-10.7%
	High	2,000		(\$72.17)	-36.9%	(\$71.02)	-15.5%
UGe -> GSe	Low	1,000		\$50.34	164.0%	\$52.05	32.9%
	Typical	2,000		\$85.56	181.0%	\$88.73	29.5%
	High	15,000		\$543.42	206.8%	\$614.45	26.2%
GSe -> UGe	Low	1,000		(\$35.72)	-44.0%	(\$37.71)	-18.0%
	Typical	2,000		(\$54.12)	-44.1%	(\$57.80)	-15.3%
	High	15,000		(\$293.32)	-44.4%	(\$345.82)	-12.4%
UGd -> GSd	Low	15,000	60	\$430.90	97.2%	\$457.34	18.4%
	Typical	35,000	120	\$813.03	95.2%	\$859.57	15.6%
	High	175,000	500	\$3,233.17	93.6%	\$3,407.03	13.0%
GSd -> UGd	Low	15,000	60	(\$214.72)	-28.7%	(\$238.54)	-8.5%
	Typical	35,000	120	(\$455.68)	-31.6%	(\$512.41)	-8.3%
	High	175,000	500	(\$1,981.72)	-34.0%	(\$2,262.09)	-7.8%

2.0 RURAL OR REMOTE RATE PROTECTION (“RRRP”)

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

3.0 RATE IMPACT MITIGATION

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

The total bill impact for a typical DGen customer is above 10% in 2015 to 2018. Hydro One has mitigated the impacts to DGen customers by spreading the increase in the R/C ratio for this class over the full five years of the Custom COS period. The impact on a typical customer in this class is less than \$100 per month, which the Board established as a level below which special mitigation is not required for a General Service demand customer, as discussed below. As such, no rate mitigation is proposed for the DGen rate class.

There are some customers that may experience total bill impacts in excess of 10% in 2015 due to being moved to their appropriate rate class as a result of the rate class review. Specifically, residential customers moving from the UR rate class to the R2 rate class, and Urban General Service energy and demand-billed customers moving to the non-urban General Service energy and demand-billed rate classes will experience higher total impacts that Hydro One proposes to mitigate.

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

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

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

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.

Hydro One followed the recommendation of the consultant and used the bill data method to calculate the line loss variance analysis for 2013. In addition, hourly data obtained from the IESO and Hydro One’s CIS was used in the analysis. The line loss variance analysis for 2010-2013 is presented in Table 1. Over the 4 years period, Hydro One under-collected line losses by about 30.6 GWh and the corresponding dollar values in the RSVA-Power (1588) account will be about \$8 million. Hydro One’s average actual line losses for 2010-2013 tracked well with the Board approved losses.

Table 1

Line Loss Variance Analysis for 2010-2013

	2010	2011	2012	2013	2010-2013
Purchase (kWh)	25,147,786,869	25,269,760,852	25,222,134,097	25,833,409,098	101,473,090,916
Consumption (kWh)	23,090,758,102	23,696,731,189	24,060,730,736	23,752,391,691	94,600,611,718
Actual Losses (kWh)	2,057,028,767	1,573,029,663	1,161,403,361	2,081,017,407	6,872,479,198
Loss Adjusted Consumption (kWh)	24,801,899,448	25,418,695,980	25,806,884,587	25,414,964,154	101,442,444,169
Approved losses (kWh)	1,711,141,347	1,721,964,791	1,746,153,851	1,662,572,463	6,841,832,451
Variance (kWh)	345,887,420	(148,935,128)	(584,750,490)	418,444,943	30,646,746
Approved TLF	7.4%	7.3%	7.3%	7.0%	7.2%
Actual TLF	8.9%	6.6%	4.8%	8.8%	7.3%
RSVA Power \$	17,234,733	(3,343,507)	(14,438,777)	8,507,428	7,959,877

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



Navigant
Bay Adelaide Centre
333 Bay Street, Suite 1250
Toronto, ON M5H 2R2
T: 416.777.2440
F: 416.777.2441
www.navigant.com

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

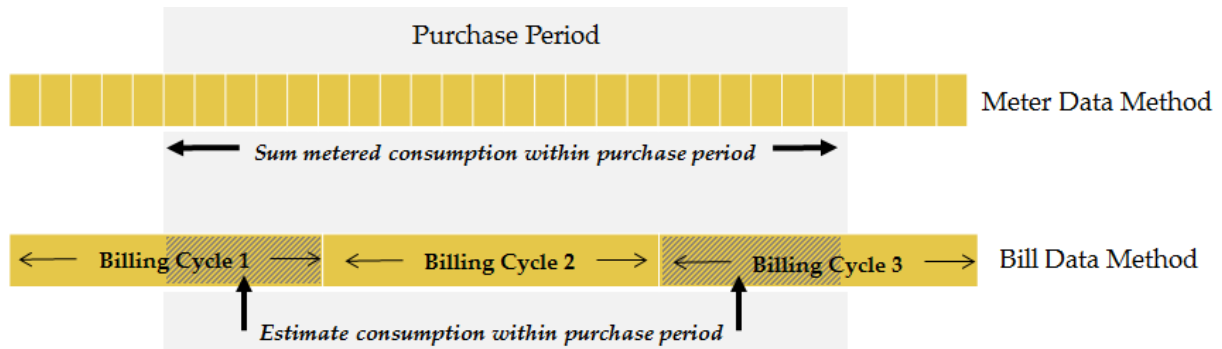
2.1.1 Overview

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



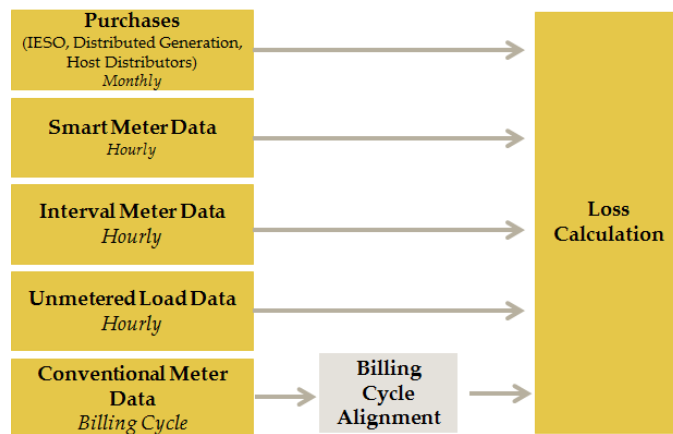
2.1.2 Meter Data Method

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



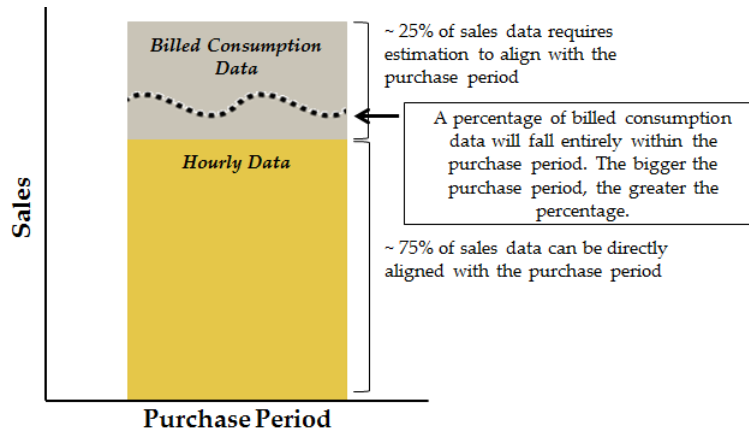
The benefit of the meter data method is that the majority of the underlying sales data is hourly, meaning that it can be directly aligned with the purchase period. The downside is that it requires vast amounts of data. For example, one year's worth of data for Hydro One's approximately 1.2

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.

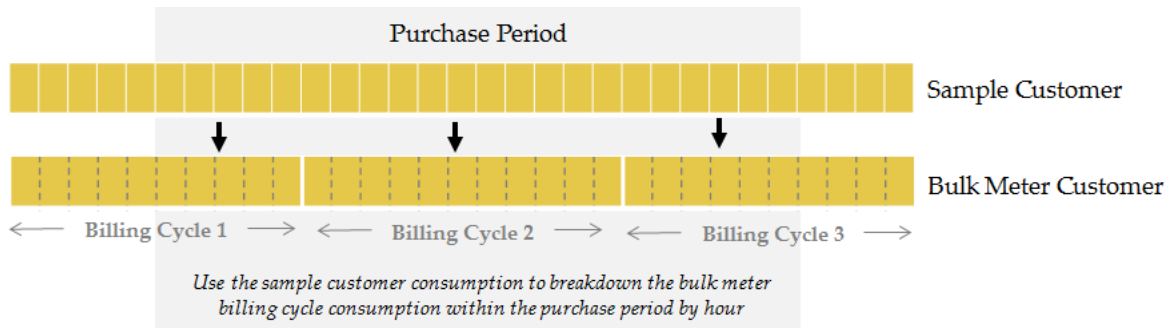
Method 1: Match to Sample Customer Profile

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



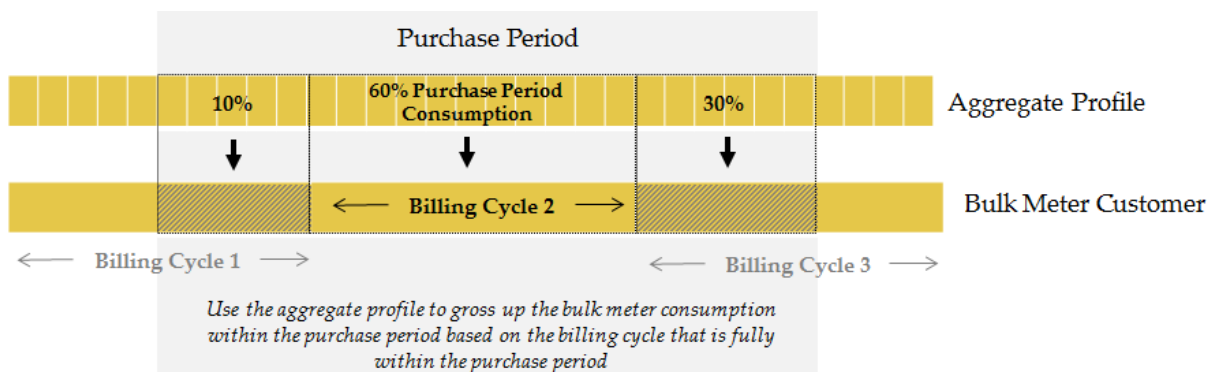
Method 2: Match to Aggregate Profile

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



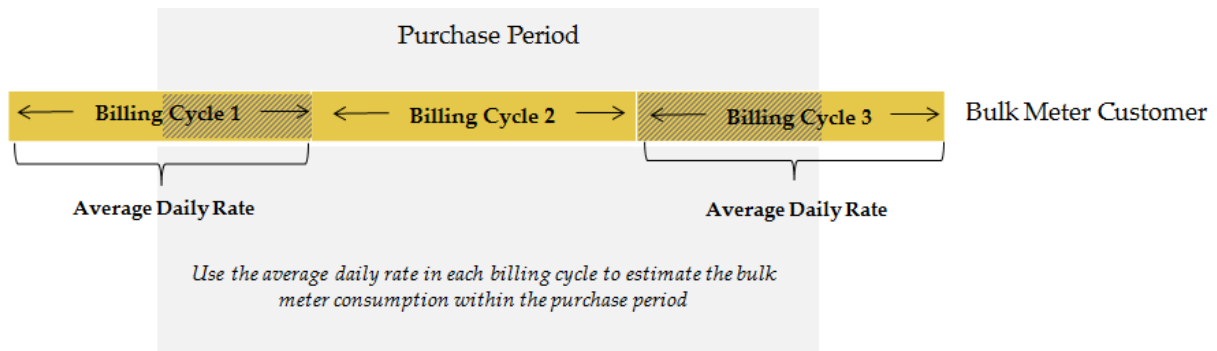
Method 3: Average Daily Consumption

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.

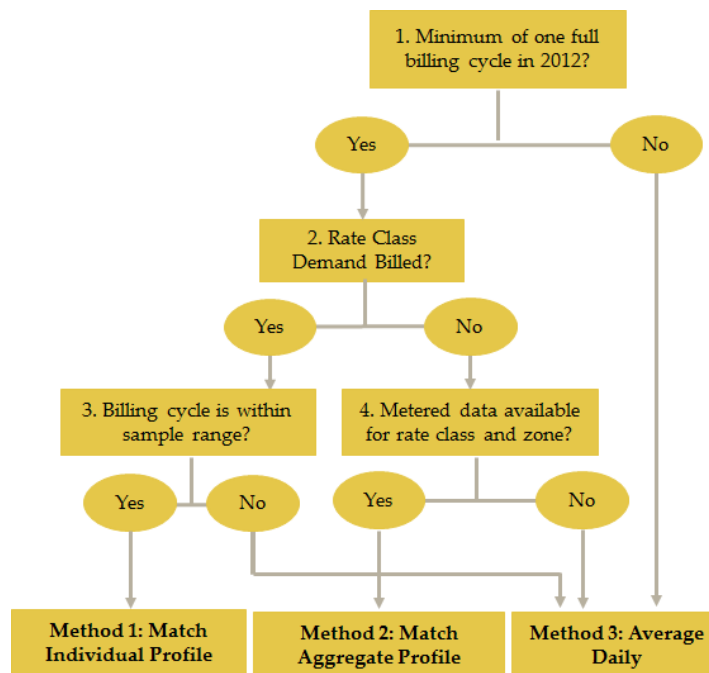
The method used for each conventional metered customer was determined based on the decision logic outlined below:

- 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



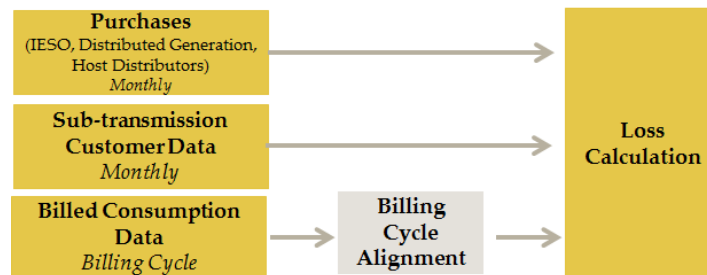
⁹ The sample range includes a random selection of GSD and UGD customers within each zone with hourly data from July 1, 2011 until December 31, 2012.

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.

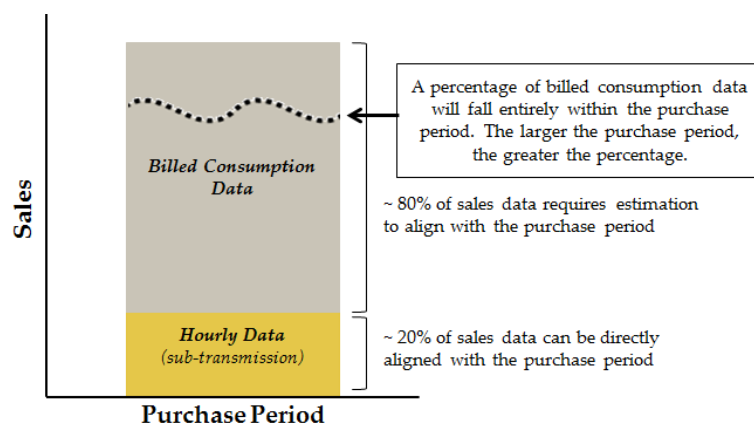
Figure 8: Bill Data Method Overview



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%

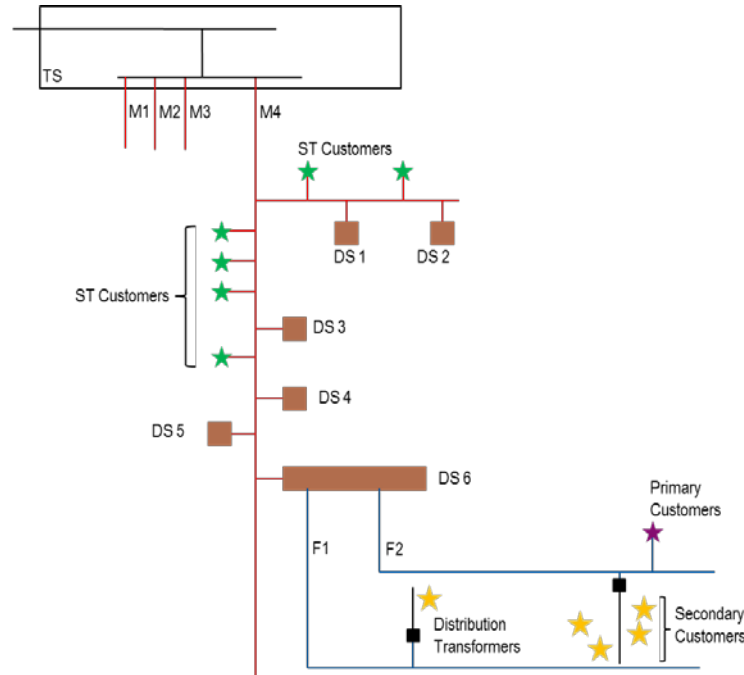
Source: Hydro One

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:

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

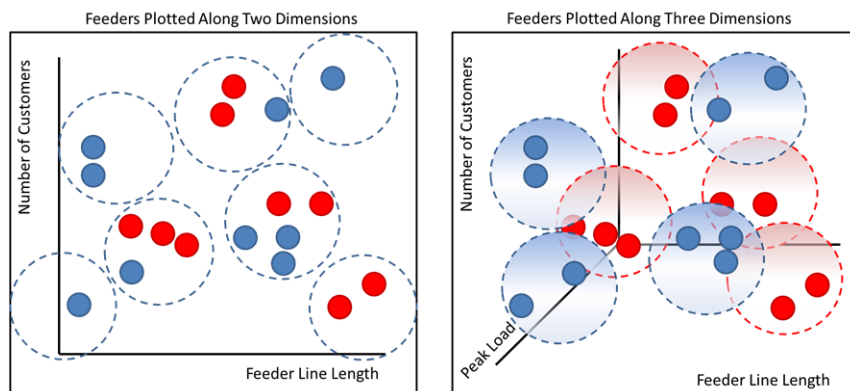
Where:

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

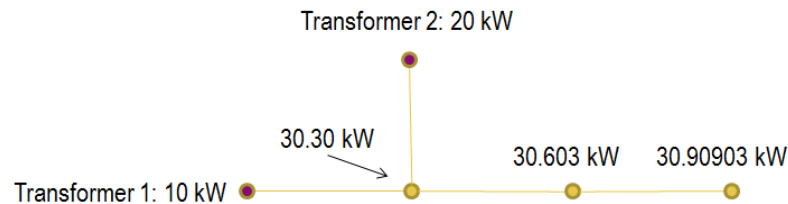
TransformerID	FromNode	Path -1	Path -2	Path -3	Path -4	Path -5	Path -6	Path -7
5405	45551_5405	SAPAWE_DS-3086	N/A	N/A	N/A	N/A	N/A	N/A
2006	45551_2006	467478.469_12476545	45551_404	467335.719_12476603	45551_5405	SAPAWE_DS-3086	N/A	N/A
2101	45551_2101	45551_2006	467478.469_12476545	45551_404	467335.719_12476603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

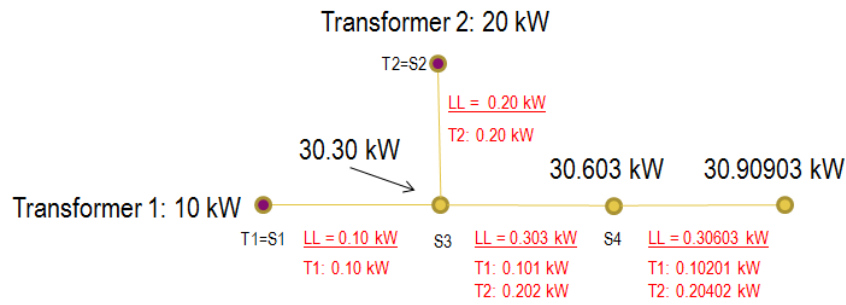
In the example, there are two distribution transformers; one has a peak load of 10kW and the other has a peak load of 20 kW. Assume for simplicity that the losses generated in each feeder segment are equal to 1% of the load in that segment. Thus, each segment has to provide 101% of the total load (including 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

Navigant
Bay Adelaide Centre
333 Bay Street, Suite 1250
Toronto, ON M5H 2R2
Cell: +1 647.960.3632
Tel: +1 416.777.2444
Fax: +1 416.777.2441
benjamin.grunfeld@navigantconsulting.com

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.

1 New density factors have been added at row 152.

2
3 Density-adjusted demand allocators have been added starting row 250.

4
5 **PLCC (Exhibit Sheet 3)**

6
7 As discussed in Exhibit G1, Tab 3, Schedule 1, PLCC values of 1,154 watts and 2,875
8 watts have been used for conductors and transformers, respectively.

9
10 **Trial Balance Allocation Details (Exhibit Sheet 4)**

11
12 New rows have been added to reflect new sub-accounts: 1815 – 1 and 2, 1830 – 3A, 3B,
13 4A and 4B, 1835 – 3A, 3B, 4A and 4B, 1860 – 1, 2, 3, and 4, and 4235-1, 2 and 90.

14
15 For the reasons discussed earlier in this schedule, a row has been added for USoA 1985
16 (Sentinel Light).

17
18 Allocators specific to Hydro One have been used where appropriate. Table 1 provides the
19 list of allocators used to distribute Fixed Asset costs among customer classes.

1
2

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: <50 kV Assets	BCP12-DA-RCD-All	Density adjusted bulk CP with 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	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

USoA	Allocator	Basis
	CCP-DA-ExST	Density adjusted retail customer count
1835-3A	1835-3A	Bulk Lines for ST only
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

USoA	Allocator	Basis
		count - Excluding ST
1840-5 & 1845-5	SNCP4-DA-ExST	Density adjusted secondary NCP - Excluding ST
	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



2015 Cost Allocation Model

EB-2013-0416

Sheet 16.1 Revenue Worksheet -

Total kWhs from Load Forecast	35,482,549,090
-------------------------------	----------------

Total kW from Load Forecast	42,455,891
-----------------------------	------------

Deficiency/sufficiency (RRWF 8. cell F51)	208,242,082
--	-------------

Miscellaneous Revenue (RRWF 5. cell F48)	47,833,750
--	------------

	ID	Total	1	2	3	4	5	6	7	8	9	10	11	12	13
			UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Billing Data															
Forecast kWh	CEN	35,482,549,090	2,001,279,224	5,052,450,892	4,933,406,049	474,073,680	2,194,809,668	2,404,019,346	604,059,537	1,067,646,621	123,507,003	21,795,353	24,056,636	21,102,942	16,560,342,139
Forecast kW	CDEM	42,455,891	-	-	-	-	-	8,484,670	-	3,058,267	-	-	-	216,099	30,696,855
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,915,981	-	-	-	-	-	1,273,652	-	460,423	-	-	-	181,906	-
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	23,873,621,746	2,001,279,224	5,052,450,892	4,933,406,049	474,073,680	2,194,809,668	2,404,019,346	604,059,537	1,067,646,621	123,507,003	21,795,353	24,056,636	21,102,942	4,951,414,795
Existing Monthly Charge			\$12.72	\$20.15	\$57.61	\$19.71	\$35.92	\$52.27	\$10.20	\$28.71	\$1.47	\$1.50	\$29.69	\$38.13	\$583.21
Existing Distribution kWh Rate			\$0.02557	\$0.03390	\$0.03724	\$0.08206	\$0.04025		\$0.01684		\$0.07288	\$0.09986	\$0.04025		
Existing Distribution kW Rate								\$11.43300		\$6.93500				\$5.9510	\$0.7926
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,158,859,444	\$83,156,908	\$277,254,007	\$415,341,645	\$72,882,407	\$128,646,955	\$100,839,490	\$12,347,186	\$21,864,089	\$9,087,319	\$2,716,654	\$2,978,264	\$1,748,119	\$29,996,402
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,158,859,444	\$83,156,908	\$277,254,007	\$415,341,645	\$72,882,407	\$128,646,955	\$100,839,490	\$12,347,186	\$21,864,089	\$9,087,319	\$2,716,654	\$2,978,264	\$1,748,119	\$29,996,402



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	14,308,735	2,514,481	5,259,351	4,020,510	574,665	1,122,101	73,355	213,218	22,814	58,591	360,113	67,699	12,120	9,717
Number of Devices															
Number of Connections (Unmetered)	CCON	40,971	-	-	-	-	-	-	-	-	20,324	15,005	5,642	-	-
Total Number of Customers	CCA	1,288,609	209,540	438,279	335,043	143,666	93,508	6,113	17,768	1,901	20,324	15,005	5,642	1,010	810
Bulk Customer Base	CCB	1,288,609	209,540	438,279	335,043	143,666	93,508	6,113	17,768	1,901	20,324	15,005	5,642	1,010	810
Primary Customer Base	CCP	1,287,324	209,540	438,279	335,043	143,666	93,508	6,113	17,768	1,901	20,324	15,005	5,642	460	74
Line Transformer Customer Base	CCLT	1,287,250	209,540	438,279	335,043	143,666	93,508	6,113	17,768	1,901	20,324	15,005	5,642	460	-
Secondary Customer Base	CCS	1,278,775	209,540	438,279	335,043	143,666	93,508	-	17,768	-	20,324	15,005	5,642	-	-
Weighted - Services	CWCS	1,079,709	104,770	328,709	502,564	143,666	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	269,588,312	31,431,012	65,741,887	58,632,443	25,141,578	33,663,028	8,863,717	8,439,878	2,756,751	-	-	-	1,716,931	33,201,086
Weighted Meter Reading	CWMR	231,669	4,822	21,432	101,265	32,865	39,465	22,883	3,244	5,694	-	-	-	-	-
Weighted Bills	CWNB	16,300,166	2,514,481	5,259,351	4,020,510	574,665	2,244,202	513,484	426,436	159,701	117,181	7,202	135,398	181,793	145,761

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 IS 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	6,567,697	413,212	1,141,048	1,177,122	138,965	327,451	373,242	99,688	140,413	33,004	5,824	3,020	3,257	2,711,451
Bulk Delivery CP	BCP1	6,357,483	399,920	1,104,993	1,140,903	134,685	317,293	361,281	96,511	135,866	31,977	5,643	2,926	3,150	2,622,334
Total Sytem CP	DCP1	6,567,697	413,212	1,141,048	1,177,122	138,965	327,451	373,242	99,688	140,413	33,004	5,824	3,020	3,257	2,711,451
4 CP															
Transformation CP	TCP4	25,193,965	1,719,984	4,411,575	4,431,787	450,112	1,435,548	1,392,411	396,933	571,237	89,068	15,718	12,076	11,517	10,255,998
Bulk Delivery CP	BCP4	24,387,618	1,664,658	4,272,175	4,295,424	436,250	1,391,015	1,347,791	384,285	552,740	86,295	15,228	11,700	11,139	9,918,917
Total Sytem CP	DCP4	25,193,965	1,719,984	4,411,575	4,431,787	450,112	1,435,548	1,392,411	396,933	571,237	89,068	15,718	12,076	11,517	10,255,998
12 CP															
Transformation CP	TCP12	68,045,977	4,509,287	11,271,395	11,366,707	1,044,976	3,942,130	3,947,987	1,077,420	1,702,426	198,245	34,984	36,048	32,164	28,882,208
Bulk Delivery CP	BCP12	65,865,874	4,364,239	10,915,235	11,016,962	1,012,793	3,819,838	3,821,473	1,043,088	1,647,299	192,072	33,895	34,926	31,110	27,932,944
Total Sytem CP	DCP12	68,045,977	4,509,287	11,271,395	11,366,707	1,044,976	3,942,130	3,947,987	1,077,420	1,702,426	198,245	34,984	36,048	32,164	28,882,208
NON CO INCIDENT PEAK															
1 NCP															
Classification NCP from															
Load Data Provider	DNCP1	7,094,168	452,037	1,194,110	1,228,065	165,593	441,413	432,003	125,531	202,106	50,089	8,839	3,050	3,753	2,787,579
Primary NCP	PNCP1	4,151,805	433,026	1,134,444	1,153,545	155,605	416,096	407,166	119,723	192,482	47,291	8,345	2,880	362	80,840
Line Transformer NCP	LTNCP1	3,980,561	433,026	1,134,444	1,153,545	155,605	416,096	346,046	119,723	163,504	47,291	8,345	2,880	57	-
Secondary NCP	SNCP1	3,375,946	427,661	1,109,768	1,111,371	149,994	402,749	-	117,648	-	45,869	8,094	2,793	-	-
4 NCP															
Classification NCP from															
Load Data Provider	DNCP4	27,300,619	1,762,645	4,556,285	4,690,726	604,312	1,690,077	1,713,246	481,555	759,834	191,674	33,825	12,144	14,595	10,789,699
Primary NCP	PNCP4	15,920,583	1,688,513	4,328,620	4,406,092	567,864	1,593,141	1,614,747	459,277	723,652	180,967	31,935	11,465	1,408	312,902
Line Transformer NCP	LTNCP4	15,255,157	1,688,513	4,328,620	4,406,092	567,864	1,593,141	1,372,354	459,277	614,706	180,967	31,935	11,465	223	-
Secondary NCP	SNCP4	12,905,423	1,667,592	4,234,466	4,245,001	547,384	1,542,041	-	451,317	-	175,526	30,975	11,120	-	-
12 NCP															
Classification NCP from															
Load Data Provider	DNCP12	73,048,696	4,808,725	11,741,586	11,663,086	1,337,689	4,673,336	4,875,342	1,329,353	2,119,949	453,206	79,977	36,198	41,384	29,888,864
Primary NCP	PNCP12	41,669,287	4,606,484	11,154,892	10,955,366	1,257,008	4,405,292	4,595,045	1,267,853	2,018,999	427,889	75,510	34,176	3,992	866,779
Line Transformer NCP	LTNCP12	39,805,414	4,606,484	11,154,892	10,955,366	1,257,008	4,405,292	3,905,273	1,267,853	1,715,038	427,889	75,510	34,176	632	-
Secondary NCP	SNCP12	33,259,451	4,549,409	10,912,255	10,554,829	1,211,675	4,263,992	-	1,245,879	-	415,024	73,239	33,149	-	-



2015 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

[illegible]

Total Gross Plant including USOs 1600s, 1700s and 2040	\$10,848,794,412
Total Accumulated Depreciation including USOs 1600s, 1700s and 2040	(\$3,802,887,030)
Total Capital Contributions	(\$748,926,957)
Total Net Plant	\$6,296,986,424
Working Capital	\$256,398,569
Total Rate Base	\$6,553,384,993
Rate Base from IS 18 Data Sheet	\$6,553,345,993
	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
\$7.91	\$7.68	\$8.47	\$7.52	\$16.58	\$58.63	\$19.63	\$65.92	\$3.00	\$1.78	\$7.08	\$89.19	\$321.19
\$10.02	\$9.83	\$10.95	\$9.37	\$20.82	\$75.41	\$24.19	\$82.35	\$4.02	\$2.42	\$9.34	\$147.88	\$427.62
\$20.45	\$28.16	\$50.46	\$51.66	\$30.08	\$83.96	\$23.15	\$85.01	\$23.62	\$15.87	\$39.41	\$168.02	\$618.19
\$12.72	\$20.15	\$57.61	\$19.71	\$35.92	\$52.27	\$10.20	\$28.71	\$1.47	\$1.50	\$29.69	\$38.13	\$583.21

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	35,674,072,033
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Total kW from Load Forecast	42,495,980
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Deficiency/sufficiency (RRWF 8. cell F51)	99,080,067
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Miscellaneous Revenue (RRWF 5. cell F48)	48,826,830
--	------------

			1	2	3	4	5	6	7	8	9	10	11	12	13
ID	Total	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST	
Billing Data															
Forecast kWh	CEN	35,674,072,033	2,016,183,097	5,108,854,783	4,923,248,614	471,244,703	2,206,447,679	2,438,092,291	609,041,231	1,077,211,367	124,955,158	22,050,910	24,648,223	22,988,381	16,629,105,596
Forecast kW	CDEM	42,495,980	-	-	-	-	-	8,493,971	-	3,045,878	-	-	-	232,370	30,723,761
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,929,209	-	-	-	-	-	1,275,048	-	458,558	-	-	-	195,603	-
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-	-	-	-	-	-	-	-	-	-	-	-	-	-
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	24,020,162,340	2,016,183,097	5,108,854,783	4,923,248,614	471,244,703	2,206,447,679	2,438,092,291	609,041,231	1,077,211,367	124,955,158	22,050,910	24,648,223	22,988,381	4,975,195,903
Existing Monthly Charge			\$20.45	\$28.16	\$67.96	\$26.57	\$30.08	\$83.96	\$23.15	\$85.01	\$4.02	\$2.42	\$39.41	\$168.02	\$859.52
Existing Distribution kWh Rate			\$0.0176	\$0.0311	\$0.0457	\$0.0905	\$0.0538		\$0.0240		\$0.0907	\$0.1149	\$0.0307		
Existing Distribution kW Rate								\$13.7208		\$7.8589				\$3.2651	\$1.2493
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,374,685,991	\$87,433,722	\$308,878,686	\$500,387,609	\$88,620,659	\$152,560,765	\$122,786,806	\$19,563,934	\$25,882,304	\$11,571,108	\$3,400,215	\$3,447,993	\$3,357,271	\$46,794,920
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,374,685,991	\$87,433,722	\$308,878,686	\$500,387,609	\$88,620,659	\$152,560,765	\$122,786,806	\$19,563,934	\$25,882,304	\$11,571,108	\$3,400,215	\$3,447,993	\$3,357,271	\$46,794,920



2016 Cost Allocation Model

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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	14,442,958	2,540,288	5,326,467	4,052,312	576,753	1,125,461	74,354	213,691	22,880	59,123	358,085	68,290	15,466	9,788
Number of Devices															
Number of Connections (Unmetered)	CCON	41,120	-	-	-	-	-	-	-	-	20,509	14,920	5,691	-	-
Total Number of Customers	CCA	1,300,367	211,691	443,872	337,693	144,188	93,788	6,196	17,808	1,907	20,509	14,920	5,691	1,289	816
Bulk Customer Base	CCB	1,300,367	211,691	443,872	337,693	144,188	93,788	6,196	17,808	1,907	20,509	14,920	5,691	1,289	816
Primary Customer Base	CCP	1,298,925	211,691	443,872	337,693	144,188	93,788	6,196	17,808	1,907	20,509	14,920	5,691	587	75
Line Transformer Customer Base	CCLT	1,298,850	211,691	443,872	337,693	144,188	93,788	6,196	17,808	1,907	20,509	14,920	5,691	587	-
Secondary Customer Base	CCS	1,290,160	211,691	443,872	337,693	144,188	93,788	-	17,808	-	20,509	14,920	5,691	-	-
Weighted - Services	CWCS	1,089,477	105,845	332,904	506,539	144,188	-	-	-	-	-	-	-	-	-
Weighted Meter Capital	CWMC	272,267,939	31,753,606	66,580,834	59,096,222	25,232,961	33,763,843	8,984,398	8,458,598	2,764,701	-	-	-	2,190,984	33,441,791
Weighted Meter Reading	CWMR	231,669	4,822	21,432	101,265	32,865	39,465	22,883	3,244	5,694	-	-	-	-	-
Weighted Bills	CWNB	16,495,555	2,540,288	5,326,467	4,052,312	576,753	2,250,923	520,475	427,382	160,162	118,246	7,162	136,579	231,987	146,818

Bad Debt Data

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



2016 Cost Allocation Model

EB-2013-0416

Sheet 18 Demand Data Worksheet -

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP

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

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

Customer Classes		Total	1	2	3	4	5	6	7	8	9	10	11	12	13
			UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
CO-INCIDENT PEAK															
1 CP															
Transformation CP	TCP1	6,582,449	414,915	1,150,072	1,170,848	137,592	328,337	377,503	100,223	141,256	33,315	5,879	3,071	3,534	2,715,903
Bulk Delivery CP	BCP1	6,371,753	401,569	1,113,732	1,134,822	133,355	318,151	365,406	97,029	136,682	32,278	5,696	2,975	3,418	2,626,640
Total Sytem CP	DCP1	6,582,449	414,915	1,150,072	1,170,848	137,592	328,337	377,503	100,223	141,256	33,315	5,879	3,071	3,534	2,715,903
4 CP															
Transformation CP	TCP4	25,206,361	1,729,839	4,470,179	4,428,713	453,431	1,394,546	1,388,734	383,886	563,981	89,908	15,866	12,334	12,324	10,262,621
Bulk Delivery CP	BCP4	24,399,595	1,674,196	4,328,928	4,292,445	439,467	1,351,284	1,344,231	371,654	545,718	87,108	15,372	11,950	11,919	9,925,322
Total Sytem CP	DCP4	25,206,361	1,729,839	4,470,179	4,428,713	453,431	1,394,546	1,388,734	383,886	563,981	89,908	15,866	12,334	12,324	10,262,621
12 CP															
Transformation CP	TCP12	68,232,399	4,563,935	11,459,783	11,400,092	1,029,448	3,884,294	3,960,049	1,057,014	1,692,990	198,389	35,010	36,835	35,017	28,879,544
Bulk Delivery CP	BCP12	66,046,365	4,417,129	11,097,671	11,049,320	997,744	3,763,796	3,833,148	1,023,333	1,638,169	192,212	33,920	35,688	33,868	27,930,367
Total Sytem CP	DCP12	68,232,399	4,563,935	11,459,783	11,400,092	1,029,448	3,884,294	3,960,049	1,057,014	1,692,990	198,389	35,010	36,835	35,017	28,879,544
NON CO INCIDENT PEAK															
1 NCP															
Classification NCP from															
Load Data Provider	DNCP1	7,110,869	453,901	1,203,553	1,221,519	163,957	442,591	436,935	126,204	203,319	50,561	8,923	3,113	4,073	2,792,220
Primary NCP	PNCP1	4,163,182	434,811	1,143,415	1,147,397	154,068	417,206	411,814	120,366	193,638	47,736	8,424	2,939	393	80,975
Line Transformer NCP	LTNCP1	3,990,906	434,811	1,143,415	1,147,397	154,068	417,206	349,996	120,366	164,485	47,736	8,424	2,939	62	-
Secondary NCP	SNCP1	3,381,352	429,424	1,118,544	1,105,447	148,512	403,824	-	118,279	-	46,301	8,171	2,850	-	-
4 NCP															
Classification NCP from															
Load Data Provider	DNCP4	27,352,984	1,769,913	4,587,821	4,660,754	598,342	1,692,337	1,732,806	482,984	764,396	193,481	34,144	12,400	15,925	10,807,681
Primary NCP	PNCP4	15,952,914	1,695,475	4,358,580	4,377,938	562,254	1,595,271	1,633,182	460,640	727,996	182,673	32,236	11,708	1,536	313,424
Line Transformer NCP	LTNCP4	15,283,437	1,695,475	4,358,580	4,377,938	562,254	1,595,271	1,388,021	460,640	618,396	182,673	32,236	11,708	243	-
Secondary NCP	SNCP4	12,914,659	1,674,468	4,263,774	4,217,877	541,977	1,544,103	-	452,656	-	177,181	31,267	11,356	-	-
12 NCP															
Classification NCP from															
Load Data Provider	DNCP12	73,195,275	4,826,713	11,825,162	11,595,951	1,318,195	4,681,913	4,939,963	1,334,263	2,132,676	457,130	80,670	36,983	45,052	29,920,604
Primary NCP	PNCP12	41,776,707	4,623,715	11,234,292	10,892,306	1,238,690	4,413,378	4,655,950	1,272,536	2,031,120	431,594	76,164	34,917	4,346	867,700
Line Transformer NCP	LTNCP12	39,900,649	4,623,715	11,234,292	10,892,306	1,238,690	4,413,378	3,957,035	1,272,536	1,725,335	431,594	76,164	34,917	688	-
Secondary NCP	SNCP12	33,293,103	4,566,427	10,989,928	10,494,074	1,194,017	4,271,819	-	1,250,480	-	418,617	73,874	33,867	-	-



2016 Cost Allocation Model

EB-2013-0416

Sheet 01 Revenue to Cost Summary Worksheet -

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

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base		1	2	3	4	5	6	7	8	9	10	11	12	13
Assets	Total	UR	R1	R2	Seasonal	GSd	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
crev	Distribution Revenue at Existing Rates	\$1,374,685,991	\$87,433,722	\$308,878,686	\$600,387,609	\$88,620,659	\$152,560,765	\$122,786,806	\$19,563,934	\$25,882,304	\$11,571,108	\$3,400,215	\$3,447,893	\$46,794,920
int	Miscellaneous Revenue (m)	\$48,826,830	\$4,285,375	\$12,239,441	\$16,150,369	\$3,093,802	\$4,426,150	\$2,464,503	\$615,211	\$385,385	\$316,769	\$3,675,232	\$61,474	\$971,768
	Total Revenue at Existing Rates	\$1,423,512,821	\$91,719,097	\$321,118,127	\$516,537,978	\$91,714,261	\$156,986,915	\$125,251,308	\$26,179,145	\$26,277,689	\$11,887,877	\$7,075,447	\$3,539,467	\$47,766,687
	Factor required to recover deficiency (1 + D)	1.0711												
	Distribution Revenue at Status Quo Rates	\$1,473,768,058	\$93,735,481	\$331,141,022	\$536,452,891	\$95,007,965	\$163,556,535	\$131,636,627	\$20,973,998	\$27,747,763	\$12,405,062	\$3,645,284	\$3,696,506	\$50,167,649
	Miscellaneous Revenue (m)	\$48,826,830	\$4,285,375	\$12,239,441	\$16,150,369	\$3,093,802	\$4,426,150	\$2,464,503	\$615,211	\$385,385	\$316,769	\$3,675,232	\$61,474	\$971,768
	Total Revenue at Status Quo Rates	\$1,522,594,888	\$98,020,856	\$343,380,462	\$552,603,260	\$98,101,767	\$167,982,685	\$134,101,130	\$27,589,209	\$28,143,148	\$12,721,831	\$7,320,516	\$3,757,980	\$51,139,417
ex	Expenses													
dis	Distribution Costs (d)	\$341,539,389	\$14,610,325	\$64,594,156	\$147,291,232	\$25,752,897	\$34,837,142	\$27,292,581	\$3,919,861	\$5,469,317	\$3,818,166	\$1,940,820	\$774,744	\$11,122,782
cu	Customer Related Costs (cu)	\$115,530,702	\$16,020,269	\$35,136,332	\$30,356,488	\$7,854,938	\$12,939,504	\$3,005,590	\$2,452,645	\$899,198	\$798,444	\$470,602	\$516,306	\$829,319
ad	General and Administration (ad)	\$142,987,737	\$9,221,473	\$30,305,508	\$54,643,526	\$10,281,157	\$14,770,264	\$10,340,586	\$1,981,815	\$2,167,675	\$1,405,958	\$739,222	\$388,492	\$917,334
dep	Depreciation and Amortization (dep)	\$374,931,648	\$18,971,358	\$69,413,130	\$144,476,735	\$24,781,143	\$41,322,705	\$41,900,637	\$6,155,055	\$8,871,114	\$2,998,305	\$1,729,648	\$550,318	\$13,251,749
input	PLs (INPUT)	\$60,476,151	\$2,752,255	\$10,908,573	\$24,041,002	\$3,395,353	\$6,597,739	\$914,019	\$1,401,910	\$523,365	\$245,696	\$100,632	\$47,285	\$2,163,634
int	Interest	\$205,523,637	\$9,263,115	\$36,739,692	\$80,903,789	\$13,445,331	\$22,202,361	\$22,837,236	\$3,075,894	\$4,717,796	\$1,761,249	\$626,724	\$338,652	\$1,591,063
	Total Expenses	\$1,239,091,261	\$70,839,123	\$247,067,691	\$481,712,780	\$86,090,620	\$132,670,335	\$112,953,806	\$18,499,290	\$23,517,273	\$11,394,686	\$5,845,681	\$2,667,145	\$42,236,326
	Direct Allocation	\$11,023,762	\$0	\$0	\$0	\$0	\$352,342	\$2,318,123	\$88,287	\$694,449	\$0	\$1,117,571	\$0	\$3,845,332
	Allocated Net Income (NI)	\$273,477,862	\$12,446,991	\$49,327,785	\$108,711,686	\$18,066,700	\$29,834,503	\$30,686,746	\$4,133,127	\$6,336,335	\$2,366,617	\$1,110,882	\$455,092	\$213,735
	Revenue Requirement (includes NI)	\$1,522,592,869	\$83,286,114	\$296,395,475	\$590,424,466	\$104,157,520	\$162,857,181	\$145,968,678	\$22,720,703	\$30,551,004	\$13,871,503	\$8,172,135	\$3,122,197	\$6,637,167
	Revenue Requirement Input equals Output													
	Rate Base Calculation													
net	Net Assets													
dis	Distribution Plant - Gross	\$19,091,719,162	\$470,066,313	\$1,849,824,452	\$4,034,420,998	\$680,360,449	\$1,074,834,415	\$1,094,926,373	\$148,027,433	\$226,223,471	\$85,893,594	\$40,244,517	\$16,493,297	\$8,610,249
gen	General Plant - Gross	\$972,636,283	\$43,685,550	\$173,590,076	\$382,206,415	\$64,264,683	\$103,239,107	\$107,028,632	\$14,208,203	\$22,114,897	\$8,289,662	\$17,884,773	\$1,803,328	\$809,594
acc	Accumulated Depreciation	(\$1,865,862,300)	(\$186,066,940)	(\$721,316,940)	(\$1,490,703,074)	(\$262,376,333)	(\$403,677,917)	(\$399,334,208)	(\$55,660,032)	(\$82,454,726)	(\$32,298,033)	(\$21,298,033)	(\$6,070,078)	(\$142,836,345)
co	Capital Contribution	(\$748,839,901)	(\$34,436,062)	(\$139,737,496)	(\$305,405,624)	(\$56,019,246)	(\$72,156,234)	(\$80,148,626)	(\$9,332,710)	(\$16,589,979)	(\$6,430,973)	(\$3,647,276)	(\$1,302,691)	(\$1,010,685)
	Total Net Plant	\$6,449,631,257	\$293,248,853	\$1,162,360,088	\$2,661,921,014	\$426,029,553	\$702,239,372	\$722,673,973	\$97,242,894	\$149,293,663	\$55,749,710	\$33,243,478	\$16,723,725	\$5,062,062
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
cop	Cost of Power (COP)	\$2,831,313,402	\$237,652,275	\$602,192,808	\$580,314,970	\$55,546,729	\$280,079,212	\$287,383,710	\$71,789,132	\$126,973,454	\$14,728,760	\$2,599,193	\$2,905,344	\$2,709,695
	OM&A Expenses	\$599,157,829	\$39,852,086	\$130,035,596	\$232,291,248	\$43,869,952	\$62,546,669	\$41,430,727	\$8,526,322	\$9,526,490	\$6,021,969	\$3,141,644	\$1,677,542	\$19,538,917
	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	\$3,441,494,993	\$277,504,341	\$732,228,805	\$812,606,216	\$99,415,721	\$322,978,453	\$331,141,561	\$80,231,741	\$136,194,393	\$20,750,728	\$6,858,408	\$4,582,887	\$8,417,046
	Working Capital	\$260,255,082	\$20,985,623	\$55,373,106	\$61,451,462	\$7,518,083	\$24,424,497	\$25,041,813	\$6,067,339	\$10,299,385	\$1,569,226	\$518,651	\$346,570	\$46,022,807
	Total Rate Base	\$6,703,886,319	\$314,234,475	\$1,217,733,184	\$2,692,972,475	\$433,547,637	\$726,663,468	\$747,715,796	\$103,310,234	\$159,593,048	\$57,318,936	\$33,763,129	\$11,679,295	\$5,698,562
	Rate Base Input Does Not Equal Output													
	Equity Component of Rate Base	\$2,683,955,328	\$125,693,790	\$487,093,278	\$1,049,188,990	\$299,665,547	\$299,066,314	\$41,324,094	\$63,837,219	\$22,927,574	\$13,504,852	\$4,428,118	\$2,279,433	\$110,507,064
	Net Income on Allocated Assets	\$273,477,862	\$27,181,732	\$96,312,772	\$70,890,480	\$12,010,748	\$34,960,007	\$18,819,196	\$3,001,632	\$3,931,429	\$1,416,975	\$259,264	\$1,120,835	(\$2,722,644)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$273,477,862	\$27,181,732	\$96,312,772	\$70,890,480	\$12,010,748	\$34,960,007	\$18,819,196	\$3,001,632	\$3,931,429	\$1,416,975	\$259,264	\$1,120,835	(\$2,722,644)
	RATIOS ANALYSIS													
	REVENUE TO EXPENSES STATUS QUO%	100.00%	1.18	1.16	0.94	0.94	1.03	0.92	0.95	0.92	0.93	0.90	1.21	0.56
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$99,080,067)	\$8,432,983	\$24,722,651	(\$73,886,488)	(\$12,443,269)	(\$5,870,266)	(\$20,717,369)	(\$2,541,559)	(\$4,273,366)	(\$1,783,026)	(\$1,096,688)	\$417,270	(\$3,178,353)
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	(\$0)	\$14,734,741	\$46,984,987	(\$37,621,206)	(\$6,055,952)	\$5,125,504	(\$11,867,548)	(\$1,131,494)	(\$2,407,906)	(\$949,642)	(\$851,618)	\$665,783	(\$2,936,379)
	RETURN ON EQUITY COMPONENT OF RATE BASE	10.19%	21.63%	19.77%	6.76%	6.83%	12.03%	6.29%	7.26%	6.16%	6.18%	1.92%	25.31%	-119.44%

Total Gross Plant including USGs 1600s, 1700s and 2040	\$11,399,684,419
Total Accumulated Depreciation including USGs 1600s, 1700s and 2040	(\$4,046,606,211)
Total Capital Contributions	(\$748,839,907)
Total Net Plant	\$6,604,149,251
Working Capital	\$260,255,082
Rate Base	\$6,864,404,333
Rate Base from 03 TB Data Sheet	\$6,864,404,333
Rate Base Input Equals Output	



2016 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
\$7.75	\$7.51	\$8.26	\$7.37	\$16.20	\$56.68	\$19.20	\$64.33	\$2.98	\$1.77	\$6.99	\$87.33	\$316.11
\$9.70	\$9.49	\$10.54	\$9.07	\$20.10	\$71.98	\$23.40	\$79.30	\$3.92	\$2.37	\$9.08	\$139.37	\$413.42
\$20.83	\$29.12	\$53.36	\$54.87	\$30.09	\$81.19	\$22.21	\$84.53	\$25.22	\$18.14	\$41.80	\$160.37	\$636.05
\$20.45	\$28.16	\$67.96	\$26.57	\$30.08	\$83.96	\$23.15	\$85.01	\$4.02	\$2.42	\$39.41	\$168.02	\$859.52

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2017

1
2
3



2017 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	14,581,271	2,567,014	5,396,135	4,085,013	578,926	1,128,973	75,378	214,212	22,952	59,675	356,054	68,802	18,276	9,861
Number of Devices															
Number of Connections (Unmetered)	CCON	41,270	-	-	-	-	-	-	-	-	20,700	14,836	5,734	-	-
Total Number of Customers	CCA	1,312,485	213,918	449,678	340,418	144,731	94,081	6,282	17,851	1,913	20,700	14,836	5,734	1,523	822
Bulk Customer Base	CCB	1,312,485	213,918	449,678	340,418	144,731	94,081	6,282	17,851	1,913	20,700	14,836	5,734	1,523	822
Primary Customer Base	CCP	1,310,910	213,918	449,678	340,418	144,731	94,081	6,282	17,851	1,913	20,700	14,836	5,734	694	75
Line Transformer Customer Base	CCLT	1,310,835	213,918	449,678	340,418	144,731	94,081	6,282	17,851	1,913	20,700	14,836	5,734	694	-
Secondary Customer Base	CCS	1,301,947	213,918	449,678	340,418	144,731	94,081	-	17,851	-	20,700	14,836	5,734	-	-
Weighted - Services	CWCS	1,099,575	106,959	337,258	510,627	144,731	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	274,950,238	32,087,680	67,451,686	59,573,109	25,327,997	33,869,203	9,108,226	8,479,222	2,773,371	-	-	-	2,589,037	33,690,707
Weighted Meter Reading	CWMR	231,669	4,822	21,432	101,265	32,865	39,465	22,883	3,244	5,694	-	-	-	-	-
Weighted Bills	CWNB	16,687,891	2,567,014	5,396,135	4,085,013	578,926	2,257,947	527,649	428,424	160,664	119,350	7,121	137,604	274,133	147,910

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

EB-2013-0416

Sheet IS 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		1	2	3	4	5	6	7	8	9	10	11	12	13
Total		UR	R1	R2	Seasonal	GSe	GSD	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
CO-INCIDENT PEAK														
1 CP														
Transformation CP	TCP1	6,648,610	420,540	1,169,445	1,176,450	138,710	330,470	383,480	101,156	142,925	33,436	5,901	3,165	2,739,244
Bulk Delivery CP	BCP1	6,435,793	407,013	1,132,492	1,140,252	134,439	320,218	371,192	97,933	138,297	32,395	5,717	3,067	2,649,214
Total Sytem CP	DCP1	6,648,610	420,540	1,169,445	1,176,450	138,710	330,470	383,480	101,156	142,925	33,436	5,901	3,165	2,739,244
4 CP														
Transformation CP	TCP4	24,943,941	1,679,310	4,397,087	4,296,387	449,342	1,382,278	1,387,517	380,461	566,112	90,233	15,924	12,678	10,273,942
Bulk Delivery CP	BCP4	24,145,361	1,625,292	4,258,145	4,164,191	435,504	1,339,397	1,343,054	368,338	547,780	87,424	15,428	12,255	9,936,271
Total Sytem CP	DCP4	24,943,941	1,679,310	4,397,087	4,296,387	449,342	1,382,278	1,387,517	380,461	566,112	90,233	15,924	12,678	10,273,942
12 CP														
Transformation CP	TCP12	68,435,577	4,539,730	11,463,833	11,167,478	1,055,132	4,000,167	4,054,640	1,093,303	1,730,848	181,060	31,952	37,825	29,045,068
Bulk Delivery CP	BCP12	66,242,731	4,393,703	11,101,593	10,823,864	1,022,637	3,876,074	3,924,708	1,058,465	1,674,802	175,422	30,957	36,647	28,090,451
Total Sytem CP	DCP12	68,435,577	4,539,730	11,463,833	11,167,478	1,055,132	4,000,167	4,054,640	1,093,303	1,730,848	181,060	31,952	37,825	29,045,068
NON CO INCIDENT PEAK														
1 NCP														
Classification NCP from														
Load Data Provider	DNCP1	7,182,336	460,054	1,223,827	1,227,364	165,289	445,502	443,854	127,379	205,722	50,744	8,955	3,197	2,816,200
Primary NCP	PNCP1	4,208,748	440,705	1,162,675	1,152,887	155,320	419,950	418,335	121,486	195,926	47,909	8,455	3,018	81,670
Line Transformer NCP	LTNCP1	4,034,439	440,705	1,162,675	1,152,887	155,320	419,950	355,538	121,486	166,429	47,909	8,455	3,018	65
Secondary NCP	SNCP1	3,416,544	435,245	1,137,385	1,110,737	149,719	406,480	-	119,381	-	46,469	8,200	2,927	-
4 NCP														
Classification NCP from														
Load Data Provider	DNCP4	27,432,869	1,782,564	4,600,838	4,575,960	594,688	1,699,534	1,760,243	487,509	773,196	194,182	34,267	12,738	10,900,494
Primary NCP	PNCP4	15,943,517	1,707,594	4,370,947	4,298,289	558,820	1,602,055	1,659,041	464,956	736,377	183,335	32,353	12,026	316,115
Line Transformer NCP	LTNCP4	15,266,146	1,707,594	4,370,947	4,298,289	558,820	1,602,055	1,409,999	464,956	625,516	183,335	32,353	12,026	254
Secondary NCP	SNCP4	12,870,550	1,686,437	4,275,872	4,141,140	538,667	1,550,669	-	456,897	-	177,823	31,380	11,665	-
12 NCP														
Classification NCP from														
Load Data Provider	DNCP12	73,936,366	4,946,212	12,066,023	11,581,121	1,326,721	4,698,992	5,001,193	1,342,522	2,149,126	459,136	81,024	37,965	30,199,256
Primary NCP	PNCP12	42,222,672	4,738,188	11,463,117	10,878,375	1,246,702	4,429,477	4,713,660	1,280,414	2,046,787	433,488	76,498	35,844	875,781
Line Transformer NCP	LTNCP12	40,327,547	4,738,188	11,463,117	10,878,375	1,246,702	4,429,477	4,006,082	1,280,414	1,738,643	433,488	76,498	35,844	718
Secondary NCP	SNCP12	33,650,691	4,679,481	11,213,776	10,480,653	1,201,740	4,287,401	-	1,258,221	-	420,454	74,198	34,766	-

**Sheet 01 Revenue to Cost Summary Worksheet -**

Please see the first tab in this workbook for detailed instructions

Rate Base Assets			1	2	3	4	5	6	7	8	9	10	11	12	13
crew m		Total	UR	R1	R2	Seasonal	G5e	G5d	U7e	U8d	St Lgt	Sen Lgt	USL	Dgen	ST
	Distribution Revenue at Existing Rates	\$1,484,752,967	\$91,070,612	\$327,844,390	\$544,377,743	\$95,694,789	\$164,120,048	\$136,272,499	\$20,945,887	\$28,499,528	\$12,624,129	\$3,855,883	\$3,483,524	\$4,955,742	\$51,008,195
	Miscellaneous Revenue (m)	\$49,837,856	\$4,389,612	\$12,556,087	\$16,427,038	\$3,146,427	\$4,527,483	\$2,542,453	\$620,678	\$400,639	\$20,352,854	\$3,702,246	\$82,348	\$117,486	\$983,008
	Miscellaneous Revenue Input equals Output														
	Total Revenue at Existing Rates	\$1,534,590,823	\$95,460,224	\$340,400,477	\$560,804,773	\$98,841,230	\$168,647,531	\$138,814,952	\$21,566,565	\$28,900,168	\$12,644,155	\$7,558,129	\$3,565,872	\$5,073,231	\$51,991,203
	Factor required to recover deficiency (1 + D)	1.6293													
	Distribution Revenue at Status Quo Rates	\$1,328,167,138	\$93,738,516	\$337,430,558	\$560,296,345	\$98,420,304	\$168,916,918	\$140,267,918	\$20,352,854	\$28,352,854	\$12,993,258	\$3,968,629	\$3,585,362	\$5,109,675	\$51,448,195
	Miscellaneous Revenue (m)	\$49,837,856	\$4,389,612	\$12,556,087	\$16,427,038	\$3,146,427	\$4,527,483	\$2,542,453	\$620,678	\$400,639	\$20,352,854	\$3,702,246	\$82,348	\$117,486	\$983,008
	Distribution Revenue at Status Quo Rates														
	Total Revenue at Status Quo Rates	\$1,378,005,000	\$98,128,128	\$349,986,645	\$576,723,375	\$101,566,731	\$173,444,361	\$142,799,599	\$20,973,532	\$28,753,493	\$13,313,285	\$7,670,875	\$3,677,731	\$5,218,137	\$53,462,482
	Expenses														
di	Distribution Costs (d)	\$344,026,379	\$14,763,741	\$65,406,016	\$146,957,544	\$26,867,455	\$35,437,019	\$28,093,212	\$4,011,181	\$5,609,549	\$1,830,033	\$1,924,050	\$781,239	\$1,266,952	\$11,218,216
cu	Customer Related Costs (cu)	\$115,040,712	\$12,727,847	\$36,262,116	\$30,371,003	\$7,852,915	\$12,947,517	\$17,874,266	\$2,183,597	\$469,632	\$813,517	\$448,493	\$268,438	\$360,835	\$2,649,675
	General and Administrative (d)	\$142,696,532	\$16,596,532	\$30,533,710	\$54,401,018	\$10,265,396	\$14,929,899	\$10,583,598	\$2,005,142	\$1,130,433	\$1,130,433	\$1,721,264	\$503,500	\$1,045,954	\$4,343,505
dep	Depreciation and Amortization (dep)	\$390,156,681	\$19,591,754	\$72,287,408	\$148,186,437	\$20,589,217	\$43,510,927	\$45,120,806	\$6,483,657	\$9,407,541	\$3,123,144	\$1,770,574	\$977,399	\$586,462	\$1,331,351
INT	Interest	\$83,635,282	\$2,855,287	\$11,365,182	\$26,698,486	\$4,118,144	\$6,375,233	\$7,338,387	\$987,292	\$1,509,291	\$456,821	\$252,858	\$105,556	\$51,783	\$2,273,881
	Total Expenses	\$1,476,526,397	\$72,417,859	\$254,964,656	\$496,251,196	\$87,873,292	\$137,988,232	\$120,387,132	\$18,257,293	\$24,948,712	\$11,615,824	\$6,069,595	\$2,747,375	\$2,976,895	\$43,597,127
	Direct Allocation	\$1,305,005			\$0		\$137,826	\$2,246,240	\$84,592	\$2,518,905		\$1,139,923	\$0	\$230,182	\$2,518,905
NI	Allocated Net Income (NI)	\$292,260,151	\$13,145,741	\$52,694,205	\$114,504,302	\$19,093,608	\$32,340,485	\$34,024,040	\$4,484,811	\$6,997,765	\$2,530,878	\$1,172,364	\$489,408	\$240,086	\$1,054,758
	Revenue Requirement (includes NI)	\$1,578,004,983	\$85,563,601	\$337,059,061	\$604,755,498	\$107,067,000	\$170,366,442	\$156,637,411	\$23,840,495	\$32,612,325	\$14,146,512	\$8,321,789	\$3,236,787	\$7,537,157	\$56,600,795
	Revenue Requirement Input equals Output														
	Rate Base Calculation														
dp	Net Assets	\$10,592,184,084	\$492,401,285	\$1,948,213,834	\$4,168,286,209	\$894,646,937	\$1,144,891,542	\$1,188,244,967	\$158,599,812	\$24					



2017 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		R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
\$7.66	\$7.41	\$8.11	\$7.23	\$15.95	\$55.23	\$18.88	\$63.21	\$3.00	\$1.77	\$7.09	\$86.48	\$306.88
\$9.58	\$9.37	\$10.36	\$8.89	\$19.79	\$70.21	\$22.99	\$77.87	\$3.96	\$2.37	\$9.21	\$136.98	\$401.00
\$20.82	\$29.22	\$54.40	\$56.01	\$28.77	\$75.94	\$20.77	\$81.88	\$25.70	\$18.86	\$42.91	\$158.10	\$617.06
\$21.02	\$29.44	\$73.24	\$28.45	\$32.32	\$91.53	\$24.76	\$92.91	\$4.39	\$2.78	\$39.52	\$208.09	\$908.16

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2018

1
2
3



2018 Cost Allocation Model

EB-2013-0416

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	35,942,900,418
-------------------------------	----------------

Total kW from Load Forecast	42,727,326
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Deficiency/sufficiency (RRWF 8. cell F51)	- 32,367,765
--	--------------

Miscellaneous Revenue (RRWF 5. cell F48)	49,048,586
--	------------

			1	2	3	4	5	6	7	8	9	10	11	12	13
	ID	Total	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Billing Data															
Forecast kWh	CEN	35,942,900,418	2,049,900,221	5,228,175,767	4,912,424,145	472,806,230	2,199,124,798	2,471,784,997	610,815,360	1,081,837,005	125,657,151	22,174,791	25,522,507	24,887,701	16,717,789,744
Forecast kW	CDEM	42,727,326	-	-	-	-	-	8,499,358	-	3,019,175	-	-	-	248,297	30,960,496
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,939,405	-	-	-	-	-	1,275,857	-	454,537	-	-	-	209,010	-
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-	-	-	-	-	-	-	-	-	-	-	-	-	-
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	24,239,831,342	2,049,900,221	5,228,175,767	4,912,424,145	472,806,230	2,199,124,798	2,471,784,997	610,815,360	1,081,837,005	125,657,151	22,174,791	25,522,507	24,887,701	5,014,720,668
Existing Monthly Charge			\$20.68	\$29.16	\$75.69	\$29.63	\$33.27	\$98.56	\$26.38	\$100.56	\$4.57	\$3.04	\$39.41	\$238.69	\$917.67
Existing Distribution kWh Rate			\$0.0179	\$0.0323	\$0.0517	\$0.1019	\$0.0593	\$16.4418	\$0.0271	\$9.3830	\$0.1038	\$0.1406	\$0.0297	\$6.2919	\$1.4282
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,533,949,651	\$90,405,622	\$328,484,377	\$566,036,904	\$99,897,814	\$168,133,379	\$147,284,872	\$22,225,537	\$30,647,431	\$13,318,819	\$4,195,913	\$3,489,618	\$6,485,361	\$53,344,004
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,533,949,651	\$90,405,622	\$328,484,377	\$566,036,904	\$99,897,814	\$168,133,379	\$147,284,872	\$22,225,537	\$30,647,431	\$13,318,819	\$4,195,913	\$3,489,618	\$6,485,361	\$53,344,004



2018 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	14,739,156	2,597,312	5,473,741	4,122,930	581,830	1,133,913	76,503	215,028	23,056	60,308	354,650	69,312	20,625	9,947
Number of Devices															
Number of Connections (Unmetered)	CCON	41,473	-	-	-	-	-	-	-	-	20,920	14,777	5,776	-	-
Total Number of Customers	CCA	1,326,352	216,443	456,145	343,578	145,457	94,493	6,375	17,919	1,921	20,920	14,777	5,776	1,719	829
Bulk Customer Base	CCB	1,326,352	216,443	456,145	343,578	145,457	94,493	6,375	17,919	1,921	20,920	14,777	5,776	1,719	829
Primary Customer Base	CCP	1,324,063	216,443	456,145	343,578	145,457	94,493	6,375	17,919	1,921	20,920	14,777	5,776	783	76
Line Transformer Customer Base	CCLT	1,324,587	216,443	456,145	343,578	145,457	94,493	6,375	17,919	1,921	20,920	14,777	5,776	783	-
Secondary Customer Base	CCS	1,315,508	216,443	456,145	343,578	145,457	94,493	-	17,919	-	20,920	14,777	5,776	-	-
Weighted - Services	CWCS	1,111,154	108,221	342,109	515,366	145,457	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	277,934,084	32,466,398	68,421,768	60,126,063	25,455,058	34,017,383	9,244,098	8,511,529	2,785,938	-	-	-	2,921,945	33,983,903
Weighted Meter Reading	CWMR	231,669	4,822	21,432	101,265	32,865	39,465	22,883	3,244	5,694	-	-	-	-	-
Weighted Bills	CWNB	16,895,521	2,597,312	5,473,741	4,122,930	581,830	2,267,826	535,520	430,056	161,392	120,616	7,093	138,625	309,382	149,198

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	6,652,301	422,735	1,179,449	1,171,141	138,377	328,080	384,076	100,798	142,441	33,579	5,926	3,202	3,841	2,738,656
Bulk Delivery CP	BCP1	6,439,361	409,137	1,142,180	1,135,106	134,115	317,902	371,768	97,586	137,829	32,533	5,741	3,102	3,715	2,648,646
Total Sytem CP	DCP1	6,652,301	422,735	1,179,449	1,171,141	138,377	328,080	384,076	100,798	142,441	33,579	5,926	3,202	3,841	2,738,656
4 CP															
Transformation CP	TCP4	25,046,884	1,692,624	4,405,426	4,232,123	417,962	1,388,449	1,414,829	386,982	577,211	93,468	16,494	12,794	13,667	10,394,853
Bulk Delivery CP	BCP4	24,244,794	1,638,179	4,266,221	4,101,904	405,090	1,345,376	1,369,491	374,651	558,521	90,558	15,981	12,396	13,219	10,053,208
Total Sytem CP	DCP4	25,046,884	1,692,624	4,405,426	4,232,123	417,962	1,388,449	1,414,829	386,982	577,211	93,468	16,494	12,794	13,667	10,394,853
12 CP															
Transformation CP	TCP12	68,568,493	4,639,550	11,701,305	11,183,251	1,009,817	3,950,423	4,033,526	1,085,429	1,713,533	184,280	32,520	38,229	36,070	28,960,561
Bulk Delivery CP	BCP12	66,371,471	4,490,312	11,331,562	10,839,151	978,718	3,827,873	3,904,270	1,050,842	1,658,047	178,542	31,507	37,039	34,887	28,008,721
Total Sytem CP	DCP12	68,568,493	4,639,550	11,701,305	11,183,251	1,009,817	3,950,423	4,033,526	1,085,429	1,713,533	184,280	32,520	38,229	36,070	28,960,561
NON CO INCIDENT PEAK															
1 NCP															
Classification NCP from															
Load Data Provider	DNCP1	7,185,566	462,456	1,234,296	1,221,825	164,892	442,320	444,543	126,928	205,026	50,961	8,993	3,232	4,426	2,815,658
Primary NCP	PNCP1	4,212,251	443,006	1,172,621	1,147,685	154,947	416,950	418,985	121,056	195,263	48,114	8,491	3,051	427	81,654
Line Transformer NCP	LTNCP1	4,037,945	443,006	1,172,621	1,147,685	154,947	416,950	356,090	121,056	165,866	48,114	8,491	3,051	68	-
Secondary NCP	SNCP1	3,420,112	437,517	1,147,115	1,105,724	149,358	403,577	-	118,958	-	46,667	8,235	2,960	-	-
4 NCP															
Classification NCP from															
Load Data Provider	DNCP4	27,431,007	1,791,869	4,630,103	4,555,310	593,258	1,683,926	1,762,977	484,925	770,580	195,011	34,414	12,875	17,350	10,898,410
Primary NCP	PNCP4	15,943,457	1,716,508	4,398,750	4,278,892	557,476	1,587,342	1,661,619	462,491	733,886	184,118	32,491	12,155	1,674	316,055
Line Transformer NCP	LTNCP4	15,266,078	1,716,508	4,398,750	4,278,892	557,476	1,587,342	1,412,189	462,491	623,399	184,118	32,491	12,155	265	-
Secondary NCP	SNCP4	12,870,923	1,695,241	4,303,070	4,122,452	537,371	1,536,428	-	454,475	-	178,582	31,514	11,790	-	-
12 NCP															
Classification NCP from															
Load Data Provider	DNCP12	73,861,335	4,951,857	12,155,472	11,528,858	1,328,939	4,667,082	5,018,890	1,336,514	2,141,855	461,096	81,370	38,399	49,036	30,101,968
Primary NCP	PNCP12	42,240,150	4,743,595	11,548,097	10,829,284	1,248,786	4,399,397	4,730,339	1,274,684	2,039,862	435,338	76,824	36,254	4,730	872,959
Line Transformer NCP	LTNCP12	40,346,026	4,743,595	11,548,097	10,829,284	1,248,786	4,399,397	4,020,258	1,274,684	1,732,760	435,338	76,824	36,254	748	-
Secondary NCP	SNCP12	33,661,638	4,684,822	11,296,907	10,433,356	1,203,749	4,258,286	-	1,252,591	-	422,249	74,514	35,164	-	-



2018 Cost Allocation Model

EB-2013-0410

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	G5	G6	G7	G8	G9	SL Lt	SL Lt	USL	Dgen	ST
crev	Distribution Revenue at Existing Rates	\$1,533,940,566	\$90,450,622	\$328,494,377	\$566,066,904	\$99,897,814	\$168,133,379	\$147,284,872	\$22,225,537	\$30,647,431	\$13,318,819	\$41,915,913	\$3,489,618	\$6,485,381
crev	Miscellaneous Revenue (m)	\$40,048,586	\$13,321,006	\$13,321,006	\$16,089,425	\$3,084,685	\$44,084,884	\$2,523,871	\$62,118	\$407,938	\$320,842	\$3,717,833	\$93,472	\$93,472
	Miscellaneous Revenue Input equals Output													
	Total Revenue at Existing Rates	\$1,573,989,152	\$94,718,713	\$340,880,483	\$582,126,329	\$102,982,499	\$212,218,263	\$149,868,742	\$22,846,655	\$31,055,369	\$13,638,661	\$45,633,746	\$3,583,090	\$6,578,853
	Factor required to recover deficiency (1 + D)	1.0211												
	Distribution Revenue at Status Quo Rate	\$1,565,317,473	\$92,313,203	\$335,416,703	\$577,980,809	\$102,005,751	\$211,081,149	\$150,392,718	\$22,694,571	\$31,294,120	\$13,599,850	\$4,284,451	\$1,563,252	\$6,622,309
	Miscellaneous Revenue (m)	\$40,048,586	\$13,321,006	\$13,321,006	\$16,089,425	\$3,084,685	\$44,084,884	\$2,523,871	\$62,118	\$407,938	\$320,842	\$3,717,833	\$93,472	\$93,472
	Total Revenue at Status Quo Rates	\$1,615,366,062	\$95,635,209	\$347,737,709	\$594,070,235	\$105,090,436	\$215,133,633	\$150,796,589	\$22,856,689	\$31,702,058	\$13,920,692	\$8,002,283	\$1,656,724	\$6,715,781
di	Expenses													
di	Distribution Costs (d)	\$332,180,148	\$14,306,407	\$633,516,093	\$141,448,871	\$24,634,614	\$33,972,744	\$3,884,673	\$5,498,514	\$3,686,489	\$1,815,605	\$745,820	\$311,964	\$100,922
di	Customer Related Costs (cu)	\$117,450,388	\$1,305,960	\$353,893,903	\$30,682,159	\$7,917,216	\$13,076,294	\$3,826,517	\$2,472,939	\$901,366	\$468,324	\$489,793	\$505,484	\$1,125,628
di	General and Administration (ad)	\$142,647,911	\$9,383,431	\$30,762,102	\$53,985,438	\$10,122,774	\$14,637,054	\$1,070,186	\$2,017,793	\$1,401,228	\$702,900	\$380,394	\$4,951,181	\$4,951,181
di	Depreciation and Amortization (de)	\$402,850,554	\$20,179,668	\$750,192,016	\$152,400,197	\$26,130,757	\$49,941,431	\$6,683,728	\$900,294	\$3,248,345	\$1,803,154	\$597,626	\$654,502	\$14,293,217
di	PILs (NPULT)	\$66,364,667	\$2,914,495	\$11,823,429	\$25,526,262	\$4,199,445	\$7,179,874	\$7,754,078	\$1,000,357	\$1,586,890	\$220,956	\$190,758	\$54,937	\$2,372,521
di	NPULT	\$235,391,799	\$10,493,382	\$42,662,354	\$81,508,240	\$15,115,094	\$26,546,337	\$27,951,376	\$3,801,118	\$5,712,536	\$2,698,009	\$559,795	\$395,111	\$1,937,766
di	Total Expenses	\$1,295,856,334	\$73,633,932	\$2,554,365,120	\$496,039,532	\$86,122,959	\$139,563,754	\$126,135,194	\$19,656,467	\$28,825,742	\$11,792,691	\$5,978,852	\$2,741,162	\$3,743,613
di	Direct Allocation	\$1,576,202	\$0	\$0	\$328,231	\$2,205,351	\$82,143	\$647,037	\$0	\$1,162,721	\$0	\$1,162,721	\$0	\$4,700,520
di	Allocated Net Income (NI)	\$307,985,466	\$13,734,740	\$55,709,673	\$120,321,848	\$19,789,314	\$33,830,154	\$36,535,693	\$4,713,487	\$7,477,113	\$2,663,719	\$1,224,858	\$517,159	\$258,854
di	Revenue Requirement (includes NI)	\$1,615,366,062	\$97,367,792	\$315,209,793	\$616,361,381	\$107,913,213	\$173,662,139	\$163,876,238	\$24,454,097	\$33,949,853	\$14,485,810	\$8,364,411	\$3,291,361	\$8,302,996
di	Revenue Requirement Input equals Output													
di	Rate Base Calculation													
di	Net Assets													
di	Distribution Plant - Gross	\$1,128,408,769	\$517,417,154	\$2,056,118,830	\$4,360,116,249	\$738,248,316	\$1,194,846,199	\$1,268,633,161	\$166,997,476	\$209,934,334	\$4,766,598	\$0	\$18,216,478	\$11,438,979
di	Accumulated Depreciation	\$1,161,913,993	\$51,400,718	\$2,028,594,147	\$4,449,580,147	\$734,903,518	\$1,204,691,819	\$1,276,466,253	\$172,796,250	\$218,618,653	\$4,766,598	\$0	\$18,216,478	\$11,438,979
di	Accumulated Depreciation	(\$4,375,360,733)	(\$214,718,176)	(\$527,693,742)	(\$1,712,399,734)	(\$295,131,666)	(\$461,116,068)	(\$471,691,268)	(\$65,254,955)	(\$98,823,250)	(\$3,768,542)	(\$23,386,666)	(\$5,196,254)	(\$5,196,254)
di	Capital Contribution	\$47,628,901	\$3,712,278	(\$1,541,531)	\$50,605,517	\$6,476,097	(\$72,494,326)	\$86,396,210	(\$9,586,423)	(\$17,057,219)	(\$6,403,400)	\$5,546,278	\$1,309,305	\$1,243,440
di	Total Net Plant	\$1,765,181,932	\$118,366,145	\$1,295,115,962	\$2,797,642,532	\$469,533	\$1,765,977,816	\$1,483,967,416	\$84,961	\$64,165,134	\$23,393,665	\$11,205,611	\$4,508,181	\$259,968,181
di	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
di	Cost of Power (COP)	\$2,842,205,032	\$240,367,973	\$613,021,900	\$575,998,918	\$55,438,185	\$257,855,077	\$289,825,439	\$71,620,238	\$126,848,174	\$14,733,741	\$2,600,072	\$2,992,603	\$2,918,170
di	OM&A Expenses	\$99,287,241	\$40,045,037	\$130,172,145	\$226,116,868	\$42,674,203	\$61,886,101	\$42,163,369	\$8,026,023	\$5,914,402	\$1,677,628	\$1,677,628	\$1,677,628	\$1,677,628
di	Other Allocated Expenses	\$1,576,202	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
di	Subtotal	\$3,446,953,648	\$280,403,010	\$743,194,045	\$682,115,786	\$98,112,756	\$320,049,609	\$334,194,158	\$80,075,429	\$142,121,234	\$16,477,682	\$6,749,721	\$4,654,300	\$10,005,077
di	Working Capital	\$264,958,378	\$21,486,806	\$56,949,695	\$61,464,708	\$7,518,185	\$24,526,374	\$25,608,730	\$6,136,960	\$10,430,739	\$1,582,204	\$5,616,530	\$357,417	\$778,506
di	Total Rate Base	\$3,711,912,026	\$301,879,816	\$799,143,740	\$743,580,494	\$105,630,941	\$344,576,003	\$360,802,888	\$86,212,389	\$152,551,973	\$17,059,886	\$12,366,251	\$5,251,828	\$10,783,583
di	Equity Component of Rate Base	\$2,973,194,082	\$136,349,450	\$564,966,262	\$1,143,651,624	\$127,223,071	\$234,141,596	\$243,843,972	\$45,235,459	\$77,674,747	\$10,673,054	\$4,911,478	\$4,903,186	\$12,519,790
di	Net Income on Allocated Assets	\$307,985,466	\$22,993,303	\$88,176,609	\$98,030,702	\$16,966,437	\$36,291,048	\$37,575,045	\$5,028,278	\$12,609	\$682,831	\$882,532	(\$1,287,912)	\$6,560,598
di	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
di	Net Income	\$307,985,466	\$22,993,303	\$88,176,609	\$98,030,702	\$16,966,437	\$36,291,048	\$37,575,045	\$5,028,278	\$12,609	\$682,831	\$882,532	(\$1,287,912)	\$6,560,598
di	RATIOS ANALYSIS													
di	REVENUE TO EXPENSES STATUS QUO%	100.0%	1.11	1.10	0.96	0.97	1.01	0.93	0.95	0.93	0.96	1.11	0.88	0.95
di	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$3,267,765)	\$7,360,920	\$25,535,610	(\$34,205,601)	(\$4,930,813)	(\$1,086,876)	(\$14,067,495)	(\$1,607,442)	(\$2,894,524)	(\$846,149)	(\$40,560)	\$291,379	(\$1,663,613)
di	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$2,598,653	\$32,469,358	(\$22,911,140)	(\$2,622,877)	\$2,460,895	(\$10,955,648)	(\$1,136,462)	(\$2,247,835)	(\$565,110)	(\$882,027)	\$365,373	(\$1,546,786)
di	RETURN ON EQUITY COMPONENT OF RATE BASE	10.36%	16.80%	16.30%	8.57%	9.0%	11.20%	9.41%	7.7%	7.10%	8.2%	6.1%	17.82%	-47.10%
di	Total Gross Plant including US60s, 1600s and 2040	\$1,588,319,866												
di	Total Accumulated Depreciation including US60s, 1600s and 2040	(\$4,472,188,244)												
di	Total Capital Contributions	(\$74,928,857)												
di	Total Net Plant	\$7,277,203,765												
di	Working Capital	\$246,958,378												
di	Rate Base	\$1,541,276,142												
di	Rate Base from 15 TB Data Sheet	\$1,541,276,142												
di	Rate Base	\$1,541,276,142												



2018 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
\$7.68	\$7.45	\$8.18	\$7.20	\$15.95	\$55.59	\$18.79	\$62.89	\$3.03	\$1.78	\$7.16	\$86.08	\$309.04
\$9.61	\$9.42	\$10.44	\$8.86	\$19.80	\$70.61	\$22.88	\$77.60	\$4.01	\$2.40	\$9.34	\$136.59	\$404.94
\$20.82	\$29.23	\$54.63	\$56.32	\$27.93	\$73.13	\$19.36	\$80.44	\$25.66	\$18.90	\$43.26	\$157.59	\$619.94
\$20.68	\$29.16	\$75.69	\$29.63	\$33.27	\$98.56	\$26.38	\$100.56	\$4.57	\$3.04	\$39.41	\$238.69	\$917.67

COST ALLOCATION MODEL INPUTS AND OUTPUTS - 2019

1
2
3



2019 Cost Allocation Model

EB-2013-0416

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	35,800,878,551
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Total kWhs from Load Forecast	42,545,951
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Deficiency/sufficiency (RRWF 8. cell F51)	- 42,370,524
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Miscellaneous Revenue (RRWF 5. cell F48)	49,662,806
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			1	2	3	4	5	6	7	8	9	10	11	12	13
	ID	Total	UR	R1	R2	Seasonal	GSe	GSd	UGe	UGd	St Lgt	Sen Lgt	USL	Dgen	ST
Billing Data															
Forecast kWh	CEN	35,800,878,551	2,052,905,845	5,254,821,459	4,872,190,236	469,453,136	2,172,016,594	2,463,741,578	605,321,588	1,073,018,433	126,713,808	22,361,260	25,693,770	25,783,933	16,636,856,910
Forecast kW	CDEM	42,545,951	-	-	-	-	-	8,443,180	-	2,984,482	-	-	-	256,373	30,861,915
Forecast kW, included in CDEM, of customers receiving line transformer allowance		1,932,546	-	-	-	-	-	1,267,424	-	449,314	-	-	-	215,808	-
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-	-	-	-	-	-	-	-	-	-	-	-	-	-
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	24,160,801,904	2,052,905,845	5,254,821,459	4,872,190,236	469,453,136	2,172,016,594	2,463,741,578	605,321,588	1,073,018,433	126,713,808	22,361,260	25,693,770	25,783,933	4,996,780,263
Existing Monthly Charge			\$20.01	\$28.31	\$77.92	\$30.29	\$33.67	\$103.54	\$27.48	\$106.14	\$4.72	\$3.25	\$38.11	\$266.30	\$948.31
Existing Distribution kWh Rate			\$0.0174	\$0.0315	\$0.0540	\$0.1047	\$0.0607	\$17.6167	\$0.0284	\$10.0451	\$0.1079	\$0.1494	\$0.0286	\$7.6646	\$1.4957
Existing TFOA Rate															
Additional Charges															
Distribution Revenue from Rates		\$1,567,679,209	\$88,218,318	\$322,436,774	\$586,807,828	\$102,207,447	\$170,129,896	\$156,765,464	\$23,114,185	\$32,434,177	\$13,959,616	\$4,487,038	\$3,398,266	\$8,061,324	\$55,658,874
Transformer Ownership Allowance		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$1,567,679,209	\$88,218,318	\$322,436,774	\$586,807,828	\$102,207,447	\$170,129,896	\$156,765,464	\$23,114,185	\$32,434,177	\$13,959,616	\$4,487,038	\$3,398,266	\$8,061,324	\$55,658,874



2019 Cost Allocation Model

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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	14,874,064	2,623,576	5,542,561	4,154,383	583,864	1,137,169	77,501	215,540	23,128	60,847	352,697	69,888	22,893	10,017
Number of Devices															
Number of Connections (Unmetered)	CCON	41,627	-	-	-	-	-	-	-	-	21,107	14,696	5,824	-	-
Total Number of Customers	CCA	1,338,157	218,631	461,880	346,199	145,966	94,764	6,458	17,962	1,927	21,107	14,696	5,824	1,908	835
Bulk Customer Base	CCB	1,338,157	218,631	461,880	346,199	145,966	94,764	6,458	17,962	1,927	21,107	14,696	5,824	1,908	835
Primary Customer Base	CCP	1,336,360	218,631	461,880	346,199	145,966	94,764	6,458	17,962	1,927	21,107	14,696	5,824	869	77
Line Transformer Customer Base	CCLT	1,336,283	218,631	461,880	346,199	145,966	94,764	6,458	17,962	1,927	21,107	14,696	5,824	869	-
Secondary Customer Base	CCS	1,327,028	218,631	461,880	346,199	145,966	94,764	-	17,962	-	21,107	14,696	5,824	-	-
Weighted - Services	CWCS	1,120,990	109,316	346,410	519,298	145,966	-	-	-	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	280,479,724	32,794,701	69,282,011	60,584,758	25,544,041	34,115,077	9,364,754	8,531,811	2,794,573	-	-	-	3,243,134	34,224,864
Weighted Meter Reading	CWMR	231,669	4,822	21,432	101,265	32,865	39,465	22,883	3,244	5,694	-	-	-	-	-
Weighted Bills	CWNB	17,076,375	2,623,576	5,542,561	4,154,383	583,864	2,274,338	542,510	431,081	161,893	121,693	7,054	139,776	343,391	150,256

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	6,631,032	423,754	1,186,320	1,162,195	137,458	324,133	382,768	99,923	141,236	33,861	5,976	3,207	3,978	2,726,223
Bulk Delivery CP	BCP1	6,418,771	410,123	1,148,834	1,126,435	133,225	314,077	370,502	96,739	136,662	32,807	5,789	3,108	3,847	2,636,621
Total Sytem CP	DCP1	6,631,032	423,754	1,186,320	1,162,195	137,458	324,133	382,768	99,923	141,236	33,861	5,976	3,207	3,978	2,726,223
4 CP															
Transformation CP	TCP4	24,968,975	1,716,620	4,491,399	4,271,935	430,994	1,336,354	1,387,887	371,108	563,349	91,381	16,126	12,853	13,649	10,265,320
Bulk Delivery CP	BCP4	24,169,537	1,661,403	4,349,477	4,140,491	417,721	1,294,898	1,343,412	359,283	545,107	88,535	15,624	12,453	13,201	9,927,932
Total Sytem CP	DCP4	24,968,975	1,716,620	4,491,399	4,271,935	430,994	1,336,354	1,387,887	371,108	563,349	91,381	16,126	12,853	13,649	10,265,320
12 CP															
Transformation CP	TCP12	68,345,677	4,670,648	11,829,783	11,169,961	1,018,921	3,867,372	3,997,666	1,063,495	1,690,052	182,955	32,286	38,460	36,849	28,747,230
Bulk Delivery CP	BCP12	66,155,935	4,520,409	11,455,979	10,826,269	987,541	3,747,399	3,869,560	1,029,607	1,635,326	177,259	31,281	37,262	35,641	27,802,402
Total Sytem CP	DCP12	68,345,677	4,670,648	11,829,783	11,169,961	1,018,921	3,867,372	3,997,666	1,063,495	1,690,052	182,955	32,286	38,460	36,849	28,747,230
NON CO INCIDENT PEAK															
1 NCP															
Classification NCP from Load Data Provider															
DNCP1		7,161,727	463,570	1,241,487	1,212,491	163,797	437,000	443,029	125,827	203,290	51,389	9,069	3,252	4,584	2,802,942
Primary NCP	PNCP1	4,201,349	444,074	1,179,453	1,138,917	153,918	411,935	417,558	120,006	193,610	48,519	8,562	3,070	442	81,286
Line Transformer NCP	LTNCP1	4,027,863	444,074	1,179,453	1,138,917	153,918	411,935	354,878	120,006	164,462	48,519	8,562	3,070	70	-
Secondary NCP	SNCP1	3,413,004	438,572	1,153,798	1,097,277	148,367	398,722	-	117,926	-	47,060	8,305	2,978	-	-
4 NCP															
Classification NCP from Load Data Provider															
DNCP4		27,347,213	1,803,405	4,657,077	4,520,510	589,320	1,663,656	1,756,974	480,717	764,058	196,651	34,703	12,965	17,968	10,849,209
Primary NCP	PNCP4	15,909,295	1,727,559	4,424,376	4,246,204	553,776	1,568,235	1,655,960	458,478	727,674	185,666	32,765	12,241	1,733	314,628
Line Transformer NCP	LTNCP4	15,235,077	1,727,559	4,424,376	4,246,204	553,776	1,568,235	1,407,381	458,478	618,122	185,666	32,765	12,241	274	-
Secondary NCP	SNCP4	12,851,258	1,706,154	4,328,139	4,090,960	533,804	1,517,934	-	450,532	-	180,083	31,779	11,873	-	-
12 NCP															
Classification NCP from Load Data Provider															
DNCP12		73,785,619	5,006,139	12,263,779	11,463,478	1,316,326	4,607,735	4,991,906	1,325,602	2,128,532	464,973	82,054	38,656	50,595	30,045,844
Primary NCP	PNCP12	42,220,381	4,795,594	11,650,993	10,767,871	1,236,934	4,343,454	4,704,907	1,264,276	2,027,173	438,999	77,470	36,497	4,880	871,332
Line Transformer NCP	LTNCP12	40,333,486	4,795,594	11,650,993	10,767,871	1,236,934	4,343,454	3,998,643	1,264,276	1,721,982	438,999	77,470	36,497	772	-
Secondary NCP	SNCP12	33,683,095	4,736,177	11,397,564	10,374,189	1,192,324	4,204,138	-	1,242,364	-	425,799	75,141	35,399	-	-

**Sheet 01 Revenue to Cost Summary Worksheet -**

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
crew	Distribution Revenue at Existing Rates	\$1,567,675,269	\$88,218,316	\$232,436,774	\$596,807,828	\$1,202,247,447	\$1,701,226,896	\$1,566,765,464	\$1,234,118,55	\$23,424,177	\$13,950,616	\$4,487,038	\$3,398,266	\$55,058,874
Assets	Miscellaneous Revenue (m)	\$94,662,806	\$4,387,751	\$12,531,789	\$16,254,539	\$2,559,917	\$4,480,121	\$6,224,571	\$2,628,574	\$412,185	\$324,509	\$3,735,678	\$34,761	\$150,151
	Miscellaneous Revenue Input equals Output													
	Total Revenue at Existing Rates	\$1,671,847,434	\$92,606,067	\$334,968,563	\$603,062,357	\$1,205,316,801	\$1,714,610,616	\$1,572,935,425	\$1,236,743,759	\$23,846,362	\$14,284,125	\$8,222,717	\$3,433,027	\$8,211,475
	Factor required to recover deficiency (1 + D)	1.0270												
	Distribution Revenue at Status Quo Rate	\$1,615,949,733	\$90,022,453	\$331,151,420	\$592,667,801	\$1,191,080,864	\$1,714,728,009	\$1,571,021,450	\$1,233,735,005	\$23,310,794	\$14,336,791	\$4,608,312	\$3,408,312	\$8,279,202
	Miscellaneous Revenue (m)	\$84,662,806	\$4,387,751	\$12,531,789	\$16,254,539	\$2,559,917	\$4,480,121	\$6,224,571	\$2,628,574	\$412,185	\$324,509	\$3,735,678	\$34,761	\$150,151
	Total Revenue at Status Quo Rate	\$1,700,612,539	\$94,399,384	\$343,683,209	\$608,922,340	\$1,193,640,781	\$1,719,208,130	\$1,577,646,021	\$1,236,347,079	\$23,723,979	\$14,661,428	\$8,343,929	\$3,443,073	\$8,429,353
di	Expenses													
dis	Distribution Costs (d)	\$325,301,273	\$14,003,905	\$62,633,625	\$138,243,164	\$275,473,431	\$320,980,165	\$277,266,903	\$3,782,623	\$400,164	\$3,620,941	\$1,744,440	\$750,530	\$138,104
ad	Customer Related Costs (cu)	\$119,564,564	\$16,162,163	\$38,611,215	\$31,142,220	\$26,026,957	\$13,267,557	\$88,1722	\$2,508,194	\$922,071	\$844,743	\$468,400	\$548,800	\$1,270,840
ad	General and Administration (ad)	\$144,284,933	\$9,529,302	\$31,144,205	\$53,918,231	\$102,084,059	\$174,798,755	\$107,774,4	\$22,220,552	\$2,220,552	\$1,077,683	\$691,606	\$394,566	\$4,967,446
depr	Depreciation and Amortization (dep)	\$143,639,651	\$20,710,666	\$73,737,490	\$155,812,216	\$268,660,149	\$465,410,203	\$45,282,487	\$8,865,252	\$10,258,322	\$3,364,047	\$1,826,292	\$615,894	\$721,384
input	PILs (NPUT)	\$69,542,415	\$7,058,662	\$12,621,599	\$27,072,804	\$44,816,874	\$74,574,303	\$5,404,202	\$10,760,761	\$1,717,275	\$6,156,288	\$27,968	\$111,335	\$68,706
int	Interest	\$255,127,227	\$11,283,915	\$46,306,123	\$99,325,008	\$161,211,060	\$277,788,359	\$30,833,338	\$3,891,715	\$5,275,325	\$2,297,389	\$1,065,128	\$450,477	\$2,151,300
	Total Expenses	\$1,256,454,955	\$75,533,631	\$266,753,817	\$595,913,759	\$89,396,437	\$141,820,009	\$120,450,376	\$25,135,095	\$28,797,867	\$17,110,649	\$6,003,851	\$2,835,602	\$7,110,875
	Direct Allocation	\$1,185,538	\$0	\$0	\$0	\$320,149	\$2,173,023	\$80,087	\$631,289	\$0	\$1,185,976	\$0	\$5,060,028	\$2,406,066
N	Allocated Net Income (NI)	\$321,398,038	\$14,214,333	\$58,331,794	\$125,119,621	\$20,422,192	\$35,005,086	\$38,840,717	\$4,902,389	\$7,908,790	\$2,843,603	\$1,266,159	\$542,271	\$271,314
	Revenue Requirement (includes NI)	\$1,659,712,539	\$89,547,964	\$325,085,581	\$630,633,380	\$109,816,628	\$177,145,864	\$171,464,116	\$25,117,570	\$35,337,954	\$14,963,652	\$8,405,965	\$3,377,873	\$9,043,122
	Revenue Requirement Input equals Output													
	Rate Base Calculation													
	Net Assets													
dis	Distribution Plant - Gross	\$11,669,462,294	\$542,160,739	\$2,167,328,731	\$4,549,889,172	\$768,224,691	\$1,243,161,359	\$1,352,349,533	\$1,759,258,778	\$275,801,211	\$100,115,362	\$44,682,937	\$19,135,567	\$12,740,201
accu	Distribution Plant - Gross	\$1,225,579,291	\$63,860,719	\$220,145,564	\$472,742,698	\$74,194,881	\$149,443,442	\$150,467,962	\$202,040,048	\$10,617,979	\$18,730,929	\$7,110,875	\$4,472,023	\$2,711,151
depr	Accumulated Depreciation	(\$4,536,287,163)	(\$229,167,217)	(\$983,293,344)	(\$1,850,770,598)	(\$31,821,797)	(\$485,095,197)	(\$57,392,446)	(\$80,525,476)	(\$27,997,633)	(\$24,547,797)	(\$7,221,734)	(\$6,155,576)	(\$167,968,832)
co	Capital Contribution	(\$748,630,901)	(\$34,862,590)	(\$142,527,075)	(\$258,172,434)	(\$50,284,237)	(\$71,810,047)	(\$86,949,823)	(\$162,989,747)	(\$17,899,990)	(\$6,428,543)	(\$3,502,334)	(\$1,804,425)	(\$1,338,045)
	Total Net Asset	\$7,805,704,130	\$331,993,113	\$1,292,397,819	\$2,919,111,640	\$697,473,316	\$1,161,311,605	\$956,467,300	\$116,371,960	\$116,371,960	\$31,431,960	\$12,643,622	\$5,717,960	\$3,771,960
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	COF of Power (COPI)	\$2,831,598,791	\$240,596,385	\$615,654,376	\$971,010,776	\$55,018,952	\$254,555,922	\$288,745,497	\$70,942,458	\$125,755,576	\$14,850,600	\$2,620,694	\$3,011,258	\$3,021,825
	OM&A Expenses	\$598,148,679	\$40,263,418	\$130,389,905	\$223,303,614	\$24,096,449	\$61,046,477	\$41,930,339	\$9,327,369	\$8,549,944	\$5,873,347	\$1,671,897	\$2,715,499	\$1,084,058
	Direct Allocated Expenses	\$1,431,857,590	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal		\$1,431,987,959	\$289,059,804	\$746,243,281	\$774,314,390	\$97,115,926	\$310,592,598	\$324,849,859	\$70,740,933	\$139,830,808	\$27,703,947	\$6,705,114	\$4,635,154	\$10,798,161
	Working Capital	\$264,705,424	\$21,664,867	\$57,563,457	\$61,271,550	\$7,491,254	\$24,369,526	\$25,675,181	\$6,120,866	\$10,408,709	\$1,596,597	\$57,217	\$361,248	\$832,345
	Total Rate Base	\$7,774,631,208	\$333,656,179	\$1,419,391,336	\$2,983,023,246	\$684,804,820	\$841,071,122	\$932,142,587	\$102,466,076	\$139,985,500	\$67,079,176	\$35,995,883	\$13,024,704	\$2,712,626
	Equity Component of Rate Base	\$130,985,638	\$141,462,472	\$567,972,534	\$1,139,209,296	\$193,921,928	\$326,428,449	\$327,857,035	\$486,148,430	\$77,994,204	\$119,167,610	\$24,388,353	\$5,209,881	\$2,885,000
	Net Income on Allocated Assets	\$321,398,038	\$19,656,763	\$76,929,431	\$113,408,584	\$19,684,781	\$37,068,032	\$39,930,022	\$4,152,297	\$26,823	\$25,513,370	\$1,154,184	\$749,272	\$10,150,943
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$321,398,038	\$19,656,763	\$76,929,431	\$113,408,584	\$19,684,781	\$37,068,032	\$39,930,022	\$4,152,297	\$26,823	\$25,513,370	\$1,154,184	\$749,272	\$10,150,943
	RATIOS ANALYSIS													
	REVENUE TO EXPENSES STATUS QUO%	100.0%	1.06	1.06	0.98	0.98	1.01	0.95	0.97	0.95	0.98	1.06	0.93	0.97
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$42,370,524)	\$3,058,105	\$9,882,962	(\$27,571,037)	(\$4,499,827)	(\$2,535,847)	(\$12,136,684)	(\$1,374,811)	(\$2,491,592)	(\$669,527)	(\$212,248)	\$115,154	(\$831,647)
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$5,442,430	\$18,997,057	(\$11,711,037)	(\$1,743,410)	\$2,062,346	(\$7,901,694)	(\$750,052)	(\$5,614,976)	(\$292,230)	(\$11,975)	\$207,001	(\$613,769)
	RETURN ON EQUITY COMPONENT OF RATE BASE	10.33%	13.00%	13.54%	9.60%	9.64%	11.02%	8.30%	8.62%	8.07%	8.38%	8.02%	14.36%	11.67%
	Total Gross Plant including US16k, 1600s, 1700s and 2040	\$15,146,358,820												
	Total Accumulated Depreciation including US16k, 1600s, 1700s and 2040	(\$4,749,459,687)												
	Total Capital Contributions	(\$748,926,857)												
	Total Net Plant	\$7,604,933,285												
	Working Capital	\$264,705,424												
	COPI Rate Base	\$2,889,638,707												
	Rate Base from 15 TB Data Sheet	\$7,889,638,707												
	Rate Base from 15 TB Data Sheet													



2019 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
\$7.69	\$7.47	\$8.18	\$7.17	\$15.94	\$55.32	\$18.73	\$62.69	\$3.07	\$1.80	\$7.28	\$86.15	\$310.55
\$9.62	\$9.44	\$10.45	\$8.81	\$19.79	\$70.35	\$22.79	\$77.42	\$4.08	\$2.43	\$9.53	\$136.52	\$407.88
\$20.85	\$29.29	\$55.11	\$57.02	\$27.28	\$69.39	\$17.90	\$78.71	\$25.82	\$19.26	\$43.99	\$157.57	\$618.04
\$20.01	\$28.31	\$77.92	\$30.29	\$33.67	\$103.54	\$27.48	\$106.14	\$4.72	\$3.25	\$38.11	\$266.30	\$948.31

Appendix 2-P 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%	\$ 79,113,630	5.59%
Residential – Medium Density [R1]	\$ 239,225,873	20.26%	\$ 276,037,347	19.51%
Residential – Low Density [R2]	\$ 488,801,051	41.39%	\$ 548,009,481	38.73%
Seasonal Residential	\$ 83,878,749	7.10%	\$ 97,736,968	6.91%
General Service Energy Billed (less than 50 kW) [GSe]*	\$ 121,457,227	10.28%	\$ 151,958,792	10.74%
General Service Demand Billed (50 kW and above) [GSd]	\$ 130,405,059	11.04%	\$ 133,130,461	9.41%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 6,167,581	0.52%	\$ 21,371,749	1.51%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 10,929,823	0.93%	\$ 28,084,764	1.98%
Street Lighting	\$ 9,469,470	0.80%	\$ 12,515,616	0.88%
Sentinel Lighting	\$ 7,626,353	0.65%	\$ 7,706,116	0.54%
Unmetered Scattered Load [USL]*	\$ 2,531,663	0.21%	\$ 2,914,636	0.21%
Distributed Generation [DGen]	\$ 411,149	0.03%	\$ 5,548,950	0.39%
Sub-Transmission [ST]	\$ 31,949,158	2.71%	\$ 50,806,767	3.59%
Total	\$ 1,180,960,290	100.00%	\$ 1,414,935,276	100.00%

* Since USL is a new rate class, allocated costs to this class in the 2010 cost allocation study has 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]	\$ 83,156,908	\$98,099,848	\$ 86,749,139	\$ 4,231,535
Residential – Medium Density [R1]	\$ 277,254,007	\$327,075,366	\$ 305,468,655	\$ 11,974,293
Residential – Low Density [R2]	\$ 415,341,645	\$489,976,761	\$ 498,703,219	\$ 15,740,401
Seasonal Residential	\$ 72,882,407	\$85,979,063	\$ 88,722,941	\$ 3,027,588
General Service Energy Billed (less than 50 kW) [GSe]	\$ 128,646,955	\$151,764,262	\$ 151,764,262	\$ 4,362,042
General Service Demand Billed (50 kW and above) [GSd]	\$ 100,839,490	\$118,959,915	\$ 122,575,276	\$ 2,400,876
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 12,347,186	\$14,565,922	\$ 19,450,758	\$ 611,960
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 21,864,089	\$25,792,972	\$ 25,973,978	\$ 390,579
Street Lighting	\$ 9,087,319	\$10,720,271	\$ 11,438,928	\$ 310,100
Sentinel Lighting	\$ 2,716,654	\$3,204,825	\$ 3,377,287	\$ 3,638,981
Unmetered Scattered Load [USL]	\$ 2,978,264	\$3,513,445	\$ 3,405,755	\$ 91,809
Distributed Generation [DGen]	\$ 1,748,119	\$2,062,249	\$ 2,741,965	\$ 88,122
Sub-Transmission [ST]	\$ 29,996,402	\$35,386,627	\$ 46,729,362	\$ 965,465
Total	\$ 1,158,859,444	\$ 1,367,101,526	\$ 1,367,101,526	\$ 47,833,750

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: 2013	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential – Urban [UR]	115	129	115	85 - 115
Residential – Medium Density [R1]	106	123	115	85 - 115
Residential – Low Density [R2]	93	92	94	85 - 115
Seasonal Residential	115	91	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	91	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	93	94	80 - 120
Street Lighting	93	88	94	70 - 120
Sentinel Lighting	93	89	91	80 - 120
Unmetered Scattered Load [USL]*	124	124	120	80 - 120
Distributed Generation [DGen]	100	39	51	80 - 120
Sub-Transmission [ST]	101	72	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 Filings.

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	105	102	85 - 115
Residential – Medium Density [R1]	115	113	110	105	102	85 - 115
Residential – Low Density [R2]	94	94	96	98	99	85 - 115
Seasonal Residential	94	94	96	98	99	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	103	103	102	101	101	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	94	94	96	98	99	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	94	94	96	98	99	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	94	94	96	98	99	80 - 120
Street Lighting	94	94	96	98	99	70 - 120
Sentinel Lighting	91	92	95	98	99	80 - 120
Unmetered Scattered Load [USL]	120	113	110	105	102	80 - 120
Distributed Generation [DGen]	51	67	79	91	99	80 - 120
Sub-Transmission [ST]	94	94	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'.

Appendix 2-P 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]	\$ 79,113,630	5.59%	\$ 83,286,114	5.47%
Residential – Medium Density [R1]	\$ 276,037,347	19.51%	\$ 296,395,475	19.47%
Residential – Low Density [R2]	\$ 548,009,481	38.73%	\$ 590,424,466	38.78%
Seasonal Residential	\$ 97,736,968	6.91%	\$ 104,157,520	6.84%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 151,958,792	10.74%	\$ 162,857,181	10.70%
General Service Demand Billed (50 kW and above) [GSd]	\$ 133,130,461	9.41%	\$ 145,968,678	9.59%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 21,371,749	1.51%	\$ 22,720,703	1.49%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 28,084,764	1.98%	\$ 30,551,064	2.01%
Street Lighting	\$ 12,515,616	0.88%	\$ 13,671,503	0.90%
Sentinel Lighting	\$ 7,706,116	0.54%	\$ 8,172,135	0.54%
Unmetered Scattered Load [USL]	\$ 2,914,636	0.21%	\$ 3,122,197	0.21%
Distributed Generation [DGen]	\$ 5,548,950	0.39%	\$ 6,637,167	0.44%
Sub-Transmission [ST]	\$ 50,806,767	3.59%	\$ 54,628,685	3.59%
Total	\$ 1,414,935,276	100.00%	\$ 1,522,592,888	100.00%

Notes

- 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.
- 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.
- 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]	\$ 87,433,722	\$93,735,481	\$ 90,051,795	\$ 4,285,375
Residential – Medium Density [R1]	\$ 308,878,686	\$331,141,022	\$ 323,484,115	\$ 12,239,441
Residential – Low Density [R2]	\$ 500,387,609	\$536,452,891	\$ 541,701,842	\$ 16,150,369
Seasonal Residential	\$ 88,620,659	\$95,007,965	\$ 95,317,806	\$ 3,093,602
General Service Energy Billed (less than 50 kW) [GSe]	\$ 152,560,765	\$163,556,535	\$ 163,556,535	\$ 4,426,150
General Service Demand Billed (50 kW and above) [GSd]	\$ 122,786,806	\$131,636,627	\$ 135,451,445	\$ 2,464,503
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 19,563,934	\$20,973,998	\$ 20,852,047	\$ 615,211
Urban General Service Demand Billed (50 kW and above)	\$ 25,882,304	\$27,747,763	\$ 28,470,243	\$ 395,395
Street Lighting	\$ 11,571,108	\$12,405,092	\$ 12,600,511	\$ 316,769
Sentinel Lighting	\$ 3,400,215	\$3,645,284	\$ 3,858,189	\$ 3,675,232
Unmetered Scattered Load [USL]	\$ 3,447,993	\$3,696,506	\$ 3,445,001	\$ 91,474
Distributed Generation [DGen]	\$ 3,357,271	\$3,599,246	\$ 4,333,340	\$ 101,542
Sub-Transmission [ST]	\$ 46,794,920	\$50,167,649	\$ 50,643,189	\$ 971,768
Total	\$ 1,374,685,991	\$ 1,473,766,058	\$ 1,473,766,057	\$ 48,826,830

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	94	85 - 115
Seasonal Residential	94	94	94	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	92	94	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	94	95	94	80 - 120
Urban General Service Demand Billed (50 kW and above)	94	92	94	80 - 120
Street Lighting	94	93	94	70 - 120
Sentinel Lighting	91	90	92	80 - 120
Unmetered Scattered Load [USL]	120	121	113	80 - 120
Distributed Generation [DGen]	51	56	67	80 - 120
Sub-Transmission [ST]	94	94	94	85 - 115

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

Appendix 2-P 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]	\$ 83,286,114	5.47%	\$ 85,563,637	5.42%
Residential – Medium Density [R1]	\$ 296,395,475	19.47%	\$ 307,059,061	19.46%
Residential – Low Density [R2]	\$ 590,424,466	38.78%	\$ 604,755,498	38.32%
Seasonal Residential	\$ 104,157,520	6.84%	\$ 107,067,000	6.78%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 162,857,181	10.70%	\$ 170,666,442	10.82%
General Service Demand Billed (50 kW and above) [GSd]	\$ 145,968,678	9.59%	\$ 156,637,411	9.93%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 22,720,703	1.49%	\$ 23,840,495	1.51%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 30,551,064	2.01%	\$ 32,612,325	2.07%
Street Lighting	\$ 13,671,503	0.90%	\$ 14,146,512	0.90%
Sentinel Lighting	\$ 8,172,135	0.54%	\$ 8,321,789	0.53%
Unmetered Scattered Load [USL]	\$ 3,122,197	0.21%	\$ 3,236,787	0.21%
Distributed Generation [DGen]	\$ 6,637,167	0.44%	\$ 7,537,157	0.48%
Sub-Transmission [ST]	\$ 54,628,685	3.59%	\$ 56,560,879	3.58%
Total	\$ 1,522,592,888	100.00%	\$ 1,578,004,993	100.00%

Notes

- 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.
- 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.
- 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]	\$ 91,070,612	\$93,733,516	\$ 89,547,053	\$ 4,389,512
Residential – Medium Density [R1]	\$ 327,844,390	\$337,430,558	\$ 324,550,590	\$ 12,556,087
Residential – Low Density [R2]	\$ 544,377,743	\$560,295,345	\$ 564,312,917	\$ 16,427,030
Seasonal Residential	\$ 95,694,789	\$98,492,904	\$ 99,668,802	\$ 3,146,442
General Service Energy Billed (less than 50 kW) [GSe]	\$ 164,120,048	\$168,918,918	\$ 168,918,918	\$ 4,527,443
General Service Demand Billed (50 kW and above) [GSd]	\$ 136,272,499	\$140,257,106	\$ 147,874,662	\$ 2,542,493
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 20,945,887	\$21,558,344	\$ 22,265,082	\$ 628,679
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 28,499,528	\$29,332,854	\$ 30,912,199	\$ 405,053
Street Lighting	\$ 12,624,129	\$12,993,258	\$ 13,264,710	\$ 320,026
Sentinel Lighting	\$ 3,855,883	\$3,968,629	\$ 4,185,600	\$ 3,702,246
Unmetered Scattered Load [USL]	\$ 3,483,524	\$3,585,382	\$ 3,461,178	\$ 92,349
Distributed Generation [DGen]	\$ 4,955,742	\$5,100,648	\$ 5,873,655	\$ 117,489
Sub-Transmission [ST]	\$ 51,008,195	\$52,499,675	\$ 53,331,772	\$ 983,008
Total	\$ 1,484,752,967	\$ 1,528,167,136	\$ 1,528,167,137	\$ 49,837,856

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: 2016	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential – Urban [UR]	113	115	110	85 - 115
Residential – Medium Density [R1]	113	114	110	85 - 115
Residential – Low Density [R2]	94	95	96	85 - 115
Seasonal Residential	94	95	96	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	103	102	102	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	94	91	96	80 - 120
Urban General Service Energy Billed (less than 50 kW) [UGe]	94	93	96	80 - 120
Urban General Service Demand Billed (50 kW and above) [UGd]	94	91	96	80 - 120
Street Lighting	94	94	96	70 - 120
Sentinel Lighting	92	92	95	80 - 120
Unmetered Scattered Load [USL]	113	114	110	80 - 120
Distributed Generation [DGen]	67	69	79	80 - 120
Sub-Transmission [ST]	94	95	96	85 - 115

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

Appendix 2-P 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]	\$ 85,563,637	5.42%	\$ 87,367,792	5.41%
Residential – Medium Density [R1]	\$ 307,059,061	19.46%	\$ 315,269,793	19.52%
Residential – Low Density [R2]	\$ 604,755,498	38.32%	\$ 616,361,381	38.16%
Seasonal Residential	\$ 107,067,000	6.78%	\$ 107,913,313	6.68%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 170,666,442	10.82%	\$ 173,662,139	10.75%
General Service Demand Billed (50 kW and above) [GSd]	\$ 156,637,411	9.93%	\$ 163,876,238	10.14%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 23,840,495	1.51%	\$ 24,454,097	1.51%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 32,612,325	2.07%	\$ 33,949,893	2.10%
Street Lighting	\$ 14,146,512	0.90%	\$ 14,485,810	0.90%
Sentinel Lighting	\$ 8,321,789	0.53%	\$ 8,364,411	0.52%
Unmetered Scattered Load [USL]	\$ 3,236,787	0.21%	\$ 3,291,351	0.20%
Distributed Generation [DGen]	\$ 7,537,157	0.48%	\$ 8,302,996	0.51%
Sub-Transmission [ST]	\$ 56,560,879	3.58%	\$ 58,066,788	3.59%
Total	\$ 1,578,004,993	100.00%	\$ 1,615,366,002	100.00%

Notes

- 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.
- 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.
- 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]	\$ 90,405,622	\$92,313,265	\$ 87,683,983	\$ 4,313,091
Residential – Medium Density [R1]	\$ 328,484,377	\$335,415,703	\$ 319,653,694	\$ 12,321,026
Residential – Low Density [R2]	\$ 566,036,904	\$577,980,809	\$ 586,352,305	\$ 16,089,425
Seasonal Residential	\$ 99,897,814	\$102,005,751	\$ 102,391,558	\$ 3,084,685
General Service Energy Billed (less than 50 kW) [GSe]	\$ 168,133,379	\$171,681,149	\$ 171,681,149	\$ 4,441,884
General Service Demand Billed (50 kW and above) [GSd]	\$ 147,284,872	\$150,392,719	\$ 157,651,454	\$ 2,523,871
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 22,225,537	\$22,694,517	\$ 23,280,718	\$ 621,118
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 30,647,431	\$31,294,120	\$ 32,775,244	\$ 407,938
Street Lighting	\$ 13,318,819	\$13,599,859	\$ 13,837,827	\$ 320,842
Sentinel Lighting	\$ 4,195,913	\$4,284,451	\$ 4,465,464	\$ 3,717,933
Unmetered Scattered Load [USL]	\$ 3,489,618	\$3,563,252	\$ 3,372,275	\$ 93,472
Distributed Generation [DGen]	\$ 6,485,361	\$6,622,208	\$ 7,395,591	\$ 134,022
Sub-Transmission [ST]	\$ 53,344,004	\$54,469,612	\$ 55,776,152	\$ 979,279
Total	\$ 1,533,949,651	\$ 1,566,317,415	\$ 1,566,317,415	\$ 49,048,586

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: 2017	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential – Urban [UR]	110	111	105	85 - 115
Residential – Medium Density [R1]	110	110	105	85 - 115
Residential – Low Density [R2]	96	96	98	85 - 115
Seasonal Residential	96	97	98	85 - 115
General Service Energy Billed (less than 50 kW) [GSe]	102	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	95	96	98	80 - 120
Unmetered Scattered Load [USL]	110	111	105	80 - 120
Distributed Generation [DGen]	79	81	91	80 - 120
Sub-Transmission [ST]	96	95	98	85 - 115

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

Appendix 2-P 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]	\$ 87,367,792	5.41%	\$ 89,547,964	5.40%
Residential – Medium Density [R1]	\$ 315,269,793	19.52%	\$ 325,085,581	19.59%
Residential – Low Density [R2]	\$ 616,361,381	38.16%	\$ 630,633,380	38.00%
Seasonal Residential	\$ 107,913,313	6.68%	\$ 109,818,628	6.62%
General Service Energy Billed (less than 50 kW) [GSe]	\$ 173,662,139	10.75%	\$ 177,145,864	10.67%
General Service Demand Billed (50 kW and above) [GSd]	\$ 163,876,238	10.14%	\$ 171,464,116	10.33%
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 24,454,097	1.51%	\$ 25,117,570	1.51%
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 33,949,893	2.10%	\$ 35,337,954	2.13%
Street Lighting	\$ 14,485,810	0.90%	\$ 14,953,652	0.90%
Sentinel Lighting	\$ 8,364,411	0.52%	\$ 8,455,965	0.51%
Unmetered Scattered Load [USL]	\$ 3,291,351	0.20%	\$ 3,377,873	0.20%
Distributed Generation [DGen]	\$ 8,302,996	0.51%	\$ 9,043,122	0.54%
Sub-Transmission [ST]	\$ 58,066,788	3.59%	\$ 59,730,869	3.60%
Total	\$ 1,615,366,002	100.00%	\$ 1,659,712,539	100.00%

Notes

- 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.
- 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.
- 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]	\$ 88,218,318	\$90,602,643	\$ 86,951,173	\$ 4,387,751
Residential – Medium Density [R1]	\$ 322,436,774	\$331,151,450	\$ 319,055,504	\$ 12,531,789
Residential – Low Density [R2]	\$ 586,807,828	\$602,667,805	\$ 608,204,598	\$ 16,254,539
Seasonal Residential	\$ 102,207,447	\$104,969,864	\$ 105,632,090	\$ 3,111,354
General Service Energy Billed (less than 50 kW) [GSe]	\$ 170,129,896	\$174,728,089	\$ 174,728,089	\$ 4,480,121
General Service Demand Billed (50 kW and above) [GSd]	\$ 156,765,464	\$161,002,450	\$ 167,225,417	\$ 2,559,971
Urban General Service Energy Billed (less than 50 kW) [UGe]	\$ 23,114,185	\$23,738,905	\$ 24,243,082	\$ 628,573
Urban General Service Demand Billed (50 kW and above) [UGd]	\$ 32,434,177	\$33,310,794	\$ 34,579,792	\$ 412,185
Street Lighting	\$ 13,959,616	\$14,336,910	\$ 14,482,739	\$ 324,509
Sentinel Lighting	\$ 4,487,038	\$4,608,312	\$ 4,637,498	\$ 3,735,678
Unmetered Scattered Load [USL]	\$ 3,398,266	\$3,490,113	\$ 3,350,669	\$ 94,761
Distributed Generation [DGen]	\$ 8,061,324	\$8,279,202	\$ 8,804,433	\$ 150,151
Sub-Transmission [ST]	\$ 55,658,874	\$57,163,197	\$ 58,154,648	\$ 991,424
Total	\$ 1,567,679,209	\$ 1,610,049,733	\$ 1,610,049,732	\$ 49,662,806

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: 2018	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential – Urban [UR]	105	106	102	85 - 115
Residential – Medium Density [R1]	105	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	101	101	80 - 120
General Service Demand Billed (50 kW and above) [GSd]	98	95	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	95	99	80 - 120
Street Lighting	98	98	99	70 - 120
Sentinel Lighting	98	99	99	80 - 120
Unmetered Scattered Load [USL]	105	106	102	80 - 120
Distributed Generation [DGen]	91	93	99	80 - 120
Sub-Transmission [ST]	98	97	99	85 - 115

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

1
2
3

REVENUE RECONCILIATIONS
YEARS 2015 - 2019

**Appendix 2-V
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	209,540	2,001,279,224	-	\$ 20.45	\$ 0.0176		\$ 86,643,650	\$ 86,749,139		\$ 86,749,139	\$ 105,489
Residential – Medium Density [R1]	Customers	438,279	5,052,450,892	-	\$ 28.16	\$ 0.0311		\$ 305,234,546	\$ 305,468,655		\$ 305,468,655	\$ 234,109
Residential – Low Density [R2]	Customers	335,043	4,933,406,049	-	\$ 67.96	\$ 0.0457		\$ 498,690,543	\$ 498,703,219		\$ 498,703,219	\$ 12,677
Seasonal Residential	Customers	143,666	474,073,680	-	\$ 26.57	\$ 0.0905		\$ 88,710,187	\$ 88,722,941		\$ 88,722,941	\$ 12,754
General Service Energy Billed (less than 50 kW) [GSe]	Customers	93,508	2,194,809,668	-	\$ 30.08	\$ 0.0538		\$ 151,833,556	\$ 151,764,262		\$ 151,764,262	-\$ 69,294
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,113	2,404,019,346	8,484,670	\$ 83.96		\$ 13.7208	\$ 122,575,334	\$ 122,575,276		\$ 122,575,276	-\$ 58
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,768	604,059,537	-	\$ 23.15	\$ 0.0240		\$ 19,433,425	\$ 19,450,758		\$ 19,450,758	\$ 17,334
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,901	1,067,646,621	3,058,267	\$ 85.01		\$ 7.8589	\$ 25,974,078	\$ 25,973,978		\$ 25,973,978	-\$ 100
Street Lighting	Customers	4,883	123,507,003	-	\$ 4.02	\$ 0.0907		\$ 11,437,620	\$ 11,438,928		\$ 11,438,928	\$ 1,309
Sentinel Lighting	Customers	30,009	21,795,353	-	\$ 2.42	\$ 0.1149		\$ 3,375,760	\$ 3,377,287		\$ 3,377,287	\$ 1,527
Unmetered Scattered Load [USL]	Customers	5,642	24,056,636	-	\$ 39.41	\$ 0.0307		\$ 3,406,557	\$ 3,405,755		\$ 3,405,755	-\$ 803
Distributed Generation [DGen]	Customers	1,010	21,102,942	216,099	\$ 168.02		\$ 3.2651	\$ 2,741,904	\$ 2,741,965		\$ 2,741,965	\$ 61
Sub-Transmission [ST]	Customers	810	16,560,342,139	30,696,855	\$ 862.46		\$ 1.2493	\$ 46,730,443	\$ 46,729,362		\$ 46,729,362	-\$ 1,081
Total								\$ 1,366,787,604	\$ 1,367,101,526	\$ -	\$ 1,367,101,526	\$ 313,922

Note

- 1 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.
- 2 Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

**Appendix 2-V
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	211,691	2,016,183,097	-	\$ 21.02	\$ 0.0182		\$ 90,091,396	\$ 90,051,795		\$ 90,051,795	-\$ 39,601
Residential – Medium Density [R1]	Customers	443,872	5,108,854,783	-	\$ 29.44	\$ 0.0326		\$ 323,359,846	\$ 323,484,115		\$ 323,484,115	\$ 124,270
Residential – Low Density [R2]	Customers	337,693	4,923,248,614	-	\$ 73.24	\$ 0.0497		\$ 541,476,813	\$ 541,701,842		\$ 541,701,842	\$ 225,029
Seasonal Residential	Customers	144,188	471,244,703	-	\$ 28.45	\$ 0.0978		\$ 95,313,634	\$ 95,317,806		Total	#VALUE!
General Service Energy Billed (less than 50 kW) [GSe]	Customers	93,788	2,206,447,679	-	\$ 32.32	\$ 0.0576		\$ 163,466,300	\$ 163,556,535		\$ 163,556,535	\$ 90,235
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,196	2,438,092,291	8,493,971	\$ 91.53		\$ 15.1456	\$ 135,451,873	\$ 135,451,445		\$ 135,451,445	-\$ 428
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,808	609,041,231	-	\$ 24.76	\$ 0.0255		\$ 20,821,538	\$ 20,852,047		\$ 20,852,047	\$ 30,510
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,907	1,077,211,367	3,045,878	\$ 92.91		\$ 8.6492	\$ 28,470,215	\$ 28,470,243		\$ 28,470,243	\$ 27
Street Lighting	Customers	4,927	124,955,158	-	\$ 4.39	\$ 0.0988		\$ 12,605,121	\$ 12,600,511		\$ 12,600,511	-\$ 4,609
Sentinel Lighting	Customers	29,840	22,050,910	-	\$ 2.78	\$ 0.1298		\$ 3,857,684	\$ 3,858,189		\$ 3,858,189	\$ 505
Unmetered Scattered Load [USL]	Customers	5,691	24,648,223	-	\$ 39.52	\$ 0.0303		\$ 3,445,645	\$ 3,445,001		\$ 3,445,001	-\$ 645
Distributed Generation [DGen]	Customers	1,289	22,988,381	232,370	\$ 208.09		\$ 4.7988	\$ 4,333,371	\$ 4,333,340		\$ 4,333,340	-\$ 31
Sub-Transmission [ST]	Customers	816	16,629,105,596	30,723,761	\$ 927.97		\$ 1.3527	\$ 50,642,855	\$ 50,643,189		\$ 50,643,189	\$ 334
Total								\$ 1,473,336,290	\$ 1,473,766,057	\$ -	\$ 1,473,766,057	\$ 429,767

Note

- 1 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.
- 2 Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

**Appendix 2-V
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	213,918	2,039,119,237	-	\$ 20.68	\$ 0.0179		\$ 89,586,092	\$ 89,547,053		\$ 89,547,053	-\$ 39,039
Residential – Medium Density [R1]	Customers	449,678	5,183,502,386	-	\$ 29.16	\$ 0.0323		\$ 324,778,421	\$ 324,550,590		\$ 324,550,590	-\$ 227,831
Residential – Low Density [R2]	Customers	340,418	4,933,428,083	-	\$ 75.69	\$ 0.0517		\$ 564,252,881	\$ 564,312,917		\$ 564,312,917	\$ 60,035
Seasonal Residential	Customers	144,731	473,246,268	-	\$ 29.63	\$ 0.1019		\$ 99,684,495	\$ 99,668,802		\$ 99,668,802	-\$ 15,693
General Service Energy Billed (less than 50 kW) [GSe]	Customers	94,081	2,215,826,849	-	\$ 33.27	\$ 0.0593		\$ 168,959,479	\$ 168,918,918		\$ 168,918,918	-\$ 40,561
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,282	2,468,895,806	8,541,960	\$ 98.56		\$ 16.4418	\$ 147,874,498	\$ 147,874,662		\$ 147,874,662	\$ 164
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,851	613,411,739	-	\$ 26.38	\$ 0.0271		\$ 22,274,369	\$ 22,265,082		\$ 22,265,082	-\$ 9,287
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,913	1,085,625,236	3,048,496	\$ 100.56		\$ 9.3830	\$ 30,912,097	\$ 30,912,199		\$ 30,912,199	\$ 101
Street Lighting	Customers	4,973	125,123,040	-	\$ 4.57	\$ 0.1038		\$ 13,260,485	\$ 13,264,710		\$ 13,264,710	\$ 4,225
Sentinel Lighting	Customers	29,671	22,080,536	-	\$ 3.04	\$ 0.1406		\$ 4,186,927	\$ 4,185,600		\$ 4,185,600	-\$ 1,326
Unmetered Scattered Load [USL]	Customers	5,734	25,229,669	-	\$ 39.41	\$ 0.0297		\$ 3,460,818	\$ 3,461,178		\$ 3,461,178	\$ 360
Distributed Generation [DGen]	Customers	1,523	23,930,288	240,223	\$ 238.69		\$ 6.2919	\$ 5,873,651	\$ 5,873,655		\$ 5,873,655	\$ 4
Sub-Transmission [ST]	Customers	822	16,730,826,230	30,976,388	\$ 970.02		\$ 1.4129	\$ 53,331,610	\$ 53,331,772		\$ 53,331,772	\$ 163
Total								\$ 1,528,435,822	\$ 1,528,167,137	\$ -	\$ 1,528,167,137	-\$ 268,685

Note

- 1 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.
- 2 Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

**Appendix 2-V
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	216,443	2,049,900,221	-	\$ 20.01	\$ 0.0174		\$ 87,640,473	\$ 87,683,983		\$ 87,683,983	\$ 43,510
Residential – Medium Density [R1]	Customers	456,145	5,228,175,767	-	\$ 28.31	\$ 0.0315		\$ 319,649,156	\$ 319,653,694		\$ 319,653,694	\$ 4,538
Residential – Low Density [R2]	Customers	343,578	4,912,424,145	-	\$ 77.92	\$ 0.0540		\$ 586,529,614	\$ 586,352,305		\$ 586,352,305	-\$ 177,309
Seasonal Residential	Customers	145,457	472,806,230	-	\$ 30.29	\$ 0.1047		\$ 102,373,695	\$ 102,391,558		\$ 102,391,558	\$ 17,863
General Service Energy Billed (less than 50 kW) [GSe]	Customers	94,493	2,199,124,798	-	\$ 33.67	\$ 0.0607		\$ 171,665,718	\$ 171,681,149		\$ 171,681,149	\$ 15,431
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,375	2,471,784,997	8,499,358	\$ 103.54		\$ 17.6167	\$ 157,651,752	\$ 157,651,454		\$ 157,651,454	-\$ 298
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,919	610,815,360	-	\$ 27.48	\$ 0.0284		\$ 23,256,128	\$ 23,280,718		\$ 23,280,718	\$ 24,590
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,921	1,081,837,005	3,019,175	\$ 106.14		\$ 10.0451	\$ 32,775,079	\$ 32,775,244		\$ 32,775,244	\$ 166
Street Lighting	Customers	5,026	125,657,151	-	\$ 4.72	\$ 0.1079		\$ 13,843,060	\$ 13,837,827		\$ 13,837,827	-\$ 5,233
Sentinel Lighting	Customers	29,554	22,174,791	-	\$ 3.25	\$ 0.1494		\$ 4,465,528	\$ 4,465,464		\$ 4,465,464	-\$ 64
Unmetered Scattered Load [USL]	Customers	5,776	25,522,507	-	\$ 38.11	\$ 0.0286		\$ 3,371,437	\$ 3,372,275		\$ 3,372,275	\$ 838
Distributed Generation [DGen]	Customers	1,719	24,887,701	248,297	\$ 266.30		\$ 7.6646	\$ 7,395,669	\$ 7,395,591		\$ 7,395,591	-\$ 78
Sub-Transmission [ST]	Customers	829	16,717,789,744	30,960,496	\$ 1,005.72		\$ 1.4784	\$ 55,775,399	\$ 55,776,152		\$ 55,776,152	\$ 753
Total								\$ 1,566,392,708	\$ 1,566,317,415	\$ -	\$ 1,566,317,415	-\$ 75,292

Note

- 1 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.
- 2 Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.

**Appendix 2-V
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	218,631	2,052,905,845	-	\$ 19.65	\$ 0.0172		\$ 86,863,250	\$ 86,951,173		\$ 86,951,173	\$ 87,923
Residential – Medium Density [R1]	Customers	461,880	5,254,821,459	-	\$ 27.91	\$ 0.0313		\$ 319,168,786	\$ 319,055,504		\$ 319,055,504	-\$ 113,281
Residential – Low Density [R2]	Customers	346,199	4,872,190,236	-	\$ 80.21	\$ 0.0564		\$ 608,014,623	\$ 608,204,598		\$ 608,204,598	\$ 189,975
Seasonal Residential	Customers	145,966	469,453,136	-	\$ 31.14	\$ 0.1088		\$ 105,621,058	\$ 105,632,090		\$ 105,632,090	\$ 11,032
General Service Energy Billed (less than 50 kW) [GSe]	Customers	94,764	2,172,016,594	-	\$ 34.17	\$ 0.0626		\$ 174,825,312	\$ 174,728,089		\$ 174,728,089	-\$ 97,222
General Service Demand Billed (50 kW and above) [GSd]	Customers	6,458	2,463,741,578	8,443,180	\$ 108.41		\$ 18.8109	\$ 167,225,741	\$ 167,225,417		\$ 167,225,417	-\$ 324
Urban General Service Energy Billed (less than 50 kW) [UGe]	Customers	17,962	605,321,588	-	\$ 28.54	\$ 0.0299		\$ 24,250,641	\$ 24,243,082		\$ 24,243,082	-\$ 7,559
Urban General Service Demand Billed (50 kW and above) [UGd]	Customers	1,927	1,073,018,433	2,984,482	\$ 111.64		\$ 10.7214	\$ 34,579,784	\$ 34,579,792		\$ 34,579,792	\$ 7
Street Lighting	Customers	5,071	126,713,808	-	\$ 4.90	\$ 0.1119		\$ 14,477,424	\$ 14,482,739		\$ 14,482,739	\$ 5,315
Sentinel Lighting	Customers	29,391	22,361,260	-	\$ 3.39	\$ 0.1538		\$ 4,634,805	\$ 4,637,498		\$ 4,637,498	\$ 2,693
Unmetered Scattered Load [USL]	Customers	5,824	25,693,770	-	\$ 37.56	\$ 0.0282		\$ 3,349,550	\$ 3,350,669		\$ 3,350,669	\$ 1,119
Distributed Generation [DGen]	Customers	1,908	25,783,933	256,373	\$ 285.63		\$ 8.8373	\$ 8,804,488	\$ 8,804,433		\$ 8,804,433	-\$ 55
Sub-Transmission [ST]	Customers	835	16,636,856,910	30,861,915	\$ 1,041.23		\$ 1.5464	\$ 58,154,902	\$ 58,154,648		\$ 58,154,648	-\$ 254
Total								\$ 1,609,970,363	\$ 1,610,049,732	\$ -	\$ 1,610,049,732	\$ 79,369

Note

- 1 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.
- 2 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
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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 circuit kilometer.
- Medium Density Zone is defined as areas containing 100 or more customers with a line density of at least 15 customers per circuit kilometer.
- Low Density Zone is defined as areas other than Urban or Medium Density Zone.

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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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approved schedules of Rates, Charges and Loss Factors

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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	20.45
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	\$	(0.78)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0176
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	0.0071
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

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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	28.16
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.30
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.08)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0311
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0012)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0066
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0046

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

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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge*	\$	67.96
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.58
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(2.60)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0457
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	(0.0017)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0065
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0045

* 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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	26.57
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	\$	(1.02)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0905
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0004
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0035)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0053
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0043

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (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 approved schedules of Rates, Charges and Loss Factors

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 circuit kilometer.
- Non-Urban Density Zone is defined as areas other than Urban Density Zone.

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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

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

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	(0.0006)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	23.15
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	\$	(0.88)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0240
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	(0.0009)
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	0.0038

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

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	(0.0006)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	30.08
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.31
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.15)
Smart Metering Entity Charge	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0538
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	(0.0021)
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	0.0036

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
approved schedules of Rates, Charges and Loss Factors**

EB-2013-0416

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	(0.0006)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge		\$	85.01
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015		\$	0.66
Rate Rider for Revenue Smoothing – effective until December 31, 2015		\$	(3.25)
Distribution Volumetric Rate		\$/kW	7.9567
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015		\$/kW	(0.0434)
Rate Rider for Revenue Smoothing – effective until December 31, 2015		\$/kW	(0.3004)
Retail Transmission Rate – Network Service Rate (see Note 4)		\$/kW	1.9346
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)		\$/kW	1.2106

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 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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	83.96
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.65
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(3.21)
Distribution Volumetric Rate	\$/kW	13.8294
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kW	0.0144
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kW	(0.5244)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	1.5478
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kW	0.9911

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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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	(0.0006)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge			
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015		\$	168.02
Rate Rider for Revenue Smoothing – effective until December 31, 2015		\$	1.72
Distribution Volumetric Rate		\$	(6.42)
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015		\$/kW	3.3629
Rate Rider for Revenue Smoothing – effective until December 31, 2015		\$/kW	0.0047
Retail Transmission Rate – Network Service Rate (see Note 4)		\$/kW	(0.1248)
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)		\$/kW	0.5175
		\$/kW	0.3245

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (see Note 12)			
Rural Rate Protection Charge (see Note 12)		\$/kWh	0.0044
Standard Supply Service – Administrative Charge (if applicable)		\$/kWh	0.0012
		\$	0.25

Hydro One Networks Inc.

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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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	453.70
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	6.54
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(32.96)
Meter Charge (for Hydro One ownership) (see Note 11)	\$	675.53
Facility Charge for connection to Common ST Lines (44 kV to 13.8 kV) (see Notes 1, 8 and 14)	\$/kW	1.1227
Facility Charge for connection to Specific ST Lines (44 kV to 13.8 kV) (see Note 2)	\$/km	960.9097
Facility Charge for connection to Specific Primary Lines (12.5 kV to 4.16 kV) (see Note 2)	\$/km	722.7036
Facility Charge for connection to high-voltage (> 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	1.8444
Facility Charge for connection to low-voltage (< 13.8 kV secondary) delivery High Voltage Distribution Station (see Notes 1 and 14)	\$/kW	3.8691
Facility Charge for connection to low-voltage (< 13.8 kV secondary) Low Voltage Distribution Station (see Notes 3 and 14)	\$/kW	2.0247
Rate Rider for Disposition of Deferral/Variance Accounts (General) – effective until December 31, 2015 (see Notes 1, 9 and 14)	\$/kW	0.1895
Rate Rider for Disposition of Deferral/Variance Account (Wholesale Market Service Rate) – effective until December 31, 2015 (see Notes 1, 10 and 14)	\$/kW	(0.2685)
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kW	(0.0477)
Retail Transmission Service Rates (see Notes 6 and 7)		
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kW	3.4482
Retail Transmission Rate – Line Connection Service Rate (see Note 5)	\$/kW	0.7512
Retail Transmission Rate – Transformation Connection Service Rate (see Note 5)	\$/kW	1.7838

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	(0.0006)
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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	39.41
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.35
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(1.51)
Distribution Volumetric Rate	\$/kWh	0.0307
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0012)
Retail Transmission Rate – Network Service Rate (see Note 4)	\$/kWh	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate (see Note 5)	\$/kWh	0.0030

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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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	(0.0006)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	2.42
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	\$	(0.09)
Distribution Volumetric Rate	\$/kWh	0.1149
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	(0.0044)
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	0.0032

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.

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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 – effective until December 31, 2015		
Applicable only for Non-RPP Customers	\$/kWh	(0.0006)

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	4.02
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$	0.04
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$	(0.15)
Distribution Volumetric Rate	\$/kWh	0.0907
Rate Rider for Disposition of Deferral/Variance Accounts – effective until December 31, 2015	\$/kWh	0.0004
Rate Rider for Revenue Smoothing – effective until December 31, 2015	\$/kWh	(0.0035)
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	0.0032

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

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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

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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	\$	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	\$	4.90
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

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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

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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

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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 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 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, non-RPP and Class B ST customers that were charged Wholesale Market Service Charges by Hydro One Distribution.
- (14) For customers with load displacement generation 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

Effective and Implementation Date January 1, 2014

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

RESIDENTIAL SERVICE CLASSIFICATIONS

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

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

Seasonal Residential customer classification is defined as any residential service 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.

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

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

Effective and Implementation Date January 1, 2014

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

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

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

GENERAL SERVICE CLASSIFICATIONS

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

This schedule supersedes and replaces all previously
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

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

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

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

DISTRIBUTED GENERATION – DGen

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

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

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

SUB TRANSMISSION – ST

This classification applies to either:

- Embedded supply to Local Distribution Companies (LDCs). “Embedded” meaning receiving supply via Hydro One Distribution assets, and where Hydro One is the host distributor to the embedded LDC. Situations where the LDC is supplied via Specific Facilities are included. OR
- Load which:
 - is three-phase; and
 - is directly connected to and supplied from Hydro One Distribution assets between 44 kV and 13.8 kV inclusive; the meaning of “directly” includes 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

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

SENTINEL LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have separate service to a sentinel light. The energy consumption for sentinel lights is estimated based on Networks' profile for sentinel lighting load, which provides the amount of time each month that the sentinel lights are operating. 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

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

STREET LIGHTING SERVICE CLASSIFICATION

This rate is applicable to all Hydro One Networks' customers who have streetlights, which are devices owned by or operated for a road authority and/or municipal corporation. The energy consumption for street lights is estimated based on Networks' profile for street lighting load, which provides the amount of time each month that the street lights are operating. 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
Effective and Implementation Date January 1, 2014

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

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

Effective and Implementation Date January 1, 2014

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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

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

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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

Effective and Implementation Date January 1, 2014

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

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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)

Rate Class	UR
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor-Current	1.078
Loss factor-Proposed	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	107.8
Monthly Consumption (kWh) - Uplifted - Proposed	105.7
Charge determinant	kWh

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 EB-2013-0416
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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	24.67%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	24.67%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		13.50%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		5.67%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		6.83%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	26.52%	26.00%
Service Charge	1	12.72	12.72	1	20.45	20.45	7.73	60.77%	58.66%	57.51%
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	-0.78	-0.78	-0.78	0.00%	-2.24%	-2.19%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.72%	0.70%
Distribution Volumetric Rate	100	0.02557	2.56	100	0.0176	1.76	-0.80	-31.17%	5.05%	4.95%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0007	-0.07	-0.07	0.00%	-0.20%	-0.20%
Volumetric Deferral/Variance Account Rider	100	0.00061	0.06	100	-0.0001	-0.01	-0.07	-116.39%	-0.03%	-0.03%
Sub-Total: Distribution (excluding pass through)			19.26			21.60	2.34	12.16%	61.96%	60.75%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.27%	2.22%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.09	0.67	6	0.09	0.49	-0.18	-26.92%	1.41%	1.38%
Line Losses on Cost of Power (based on TOU prices)	8	0.09	0.72	6	0.09	0.53	-0.19	-26.92%	1.51%	1.48%
Sub-Total: Distribution (based on two-tier RPP prices)			20.72			22.88	2.16	10.43%	65.63%	64.35%
Sub-Total: Distribution (based on TOU prices)			20.77			22.92	2.15	10.34%	65.74%	64.45%
Retail Transmission Rate – Network Service Rate	108	0.00707	0.76	106	0.0071	0.75	-0.01	-1.53%	2.15%	2.11%
Retail Transmission Rate – Line and Transformation Connection	108	0.00489	0.53	106	0.0048	0.51	-0.02	-3.75%	1.46%	1.43%
Sub-Total: Retail Transmission			1.29			1.26	-0.03	-2.44%	3.61%	3.54%
Sub-Total: Delivery (based on two-tier RPP prices)			22.01			24.14	2.13	9.68%	69.24%	67.89%
Sub-Total: Delivery (based on TOU prices)			22.06			24.17	2.12	9.59%	69.34%	67.99%
Wholesale Market Service Rate	108	0.0044	0.47	106	0.0044	0.47	-0.01	-1.95%	1.33%	1.31%
Rural Rate Protection Charge	108	0.0012	0.13	106	0.0012	0.13	0.00	-1.95%	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			0.85			0.84	-0.01	-1.38%	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)			32.16			34.28	2.12	6.59%	98.33%	
HST		0.13	4.18		0.13	4.46	0.28	6.59%	12.78%	
Total Bill (including HST)			36.34			38.74	2.39	6.59%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.63		-0.10	-3.87	-0.24	6.59%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			32.71			34.86	2.15	6.59%	100.00%	
Total Bill on TOU (before Taxes)			32.86			34.96	2.10	6.41%		98.33%
HST		0.13	4.27		0.13	4.55	0.27	6.41%		12.78%
Total Bill (including HST)			37.13			39.51	2.38	6.41%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.71		-0.10	-3.95	-0.24	6.41%		-11.11%
Total Bill on TOU (including HST and OCEB)			33.42			35.56	2.14	6.41%		100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor-Current	1.078
Loss factor-Proposed	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	862.4
Monthly Consumption (kWh) - Uplifted - Proposed	845.6
Charge determinant	kWh

Updated: 2014-05-30
 EB-2013-0416
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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	38.67%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	15.14%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	53.81%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		28.39%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		11.93%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		14.37%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	55.43%	54.69%
Service Charge	1	12.72	12.72	1	20.45	20.45	7.73	60.77%	15.33%	15.12%
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	-0.78	-0.78	-0.78	0.00%	-0.58%	-0.58%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.19%	0.18%
Distribution Volumetric Rate	800	0.02557	20.46	800	0.0176	14.08	-6.38	-31.17%	10.55%	10.41%
Volumetric Smoothing Rider	800	0	0.00	800	-0.0007	-0.56	-0.56	0.00%	-0.42%	-0.41%
Volumetric Deferral/Variance Account Rider	800	0.00061	0.49	800	-0.0001	-0.08	-0.57	-116.39%	-0.06%	-0.06%
Sub-Total: Distribution (excluding pass through)			37.58			33.36	-4.22	-11.24%	25.00%	24.67%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.59%	0.58%
Line Losses on Cost of Power (based on two-tier RPP prices)	62	0.10	6.30	46	0.10	4.61	-1.70	-26.92%	3.45%	3.41%
Line Losses on Cost of Power (based on TOU prices)	62	0.09	5.77	46	0.09	4.22	-1.55	-26.92%	3.16%	3.12%
Sub-Total: Distribution (based on two-tier RPP prices)			44.68			38.76	-5.92	-13.25%	29.04%	28.66%
Sub-Total: Distribution (based on TOU prices)			44.14			38.37	-5.78	-13.09%	28.75%	28.37%
Retail Transmission Rate – Network Service Rate	862	0.00707	6.10	846	0.0071	6.00	-0.09	-1.53%	4.50%	4.44%
Retail Transmission Rate – Line and Transformation Connection	862	0.00489	4.22	846	0.0048	4.06	-0.16	-3.75%	3.04%	3.00%
Sub-Total: Retail Transmission			10.31			10.06	-0.25	-2.44%	7.54%	7.44%
Sub-Total: Delivery (based on two-tier RPP prices)			54.99			48.82	-6.17	-11.22%	36.59%	36.10%
Sub-Total: Delivery (based on TOU prices)			54.46			48.43	-6.03	-11.07%	36.29%	35.81%
Wholesale Market Service Rate	862	0.0044	3.79	846	0.0044	3.72	-0.07	-1.95%	2.79%	2.75%
Rural Rate Protection Charge	862	0.0012	1.03	846	0.0012	1.01	-0.02	-1.95%	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%	0.19%	0.18%
Sub-Total: Regulatory			5.08			4.99	-0.09	-1.85%	3.74%	3.69%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.20%	4.14%
Total Bill on Two-Tier RPP (before Taxes)			137.47			131.20	-6.27	-4.56%	98.33%	
HST		0.13	17.87		0.13	17.06	-0.81	-4.56%	12.78%	
Total Bill (including HST)			155.34			148.26	-7.08	-4.56%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.53		-0.10	-14.83	0.71	-4.56%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			139.81			133.43	-6.37	-4.56%	100.00%	
Total Bill on TOU (before Taxes)			139.11			132.98	-6.12	-4.40%		98.33%
HST		0.13	18.08		0.13	17.29	-0.80	-4.40%		12.78%
Total Bill (including HST)			157.19			150.27	-6.92	-4.40%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.72		-0.10	-15.03	0.69	-4.40%		-11.11%
Total Bill on TOU (including HST and OCEB)			141.47			135.24	-6.23	-4.40%		100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor-Current	1.078
Loss factor-Proposed	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	2156
Monthly Consumption (kWh) - Uplifted - Proposed	2114
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	16.36%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	44.84%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	61.20%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		31.36%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		13.17%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.88%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	58.64%	60.41%
Service Charge	1	12.72	12.72	1	20.45	20.45	7.73	60.77%	6.49%	6.68%
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	-0.78	-0.78	-0.78	0.00%	-0.25%	-0.25%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.02557	51.14	2,000	0.0176	35.20	-15.94	-31.17%	11.16%	11.50%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0007	-1.40	-1.40	0.00%	-0.44%	-0.46%
Volumetric Deferral/Variance Account Rider	2,000	0.00061	1.22	2,000	-0.0001	-0.20	-1.42	-116.39%	-0.06%	-0.07%
Sub-Total: Distribution (excluding pass through)			69.00			53.52	-15.48	-22.43%	16.97%	17.48%
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)	156	0.10	15.76	114	0.10	11.51	-4.24	-26.92%	3.65%	3.76%
Line Losses on Cost of Power (based on TOU prices)	156	0.09	14.42	114	0.09	10.54	-3.88	-26.92%	3.34%	3.44%
Sub-Total: Distribution (based on two-tier RPP prices)			85.55			65.82	-19.72	-23.05%	20.87%	21.50%
Sub-Total: Distribution (based on TOU prices)			84.21			64.85	-19.36	-22.99%	20.57%	21.18%
Retail Transmission Rate – Network Service Rate	2,156	0.00707	15.24	2,114	0.0071	15.01	-0.23	-1.53%	4.76%	4.90%
Retail Transmission Rate – Line and Transformation Connection	2,156	0.00489	10.54	2,114	0.0048	10.15	-0.40	-3.75%	3.22%	3.31%
Sub-Total: Retail Transmission			25.79			25.16	-0.63	-2.44%	7.98%	8.22%
Sub-Total: Delivery (based on two-tier RPP prices)			111.33			90.98	-20.35	-18.28%	28.85%	29.72%
Sub-Total: Delivery (based on TOU prices)			110.00			90.01	-19.99	-18.18%	28.54%	29.40%
Wholesale Market Service Rate	2,156	0.0044	9.49	2,114	0.0044	9.30	-0.18	-1.95%	2.95%	3.04%
Rural Rate Protection Charge	2,156	0.0012	2.59	2,114	0.0012	2.54	-0.05	-1.95%	0.80%	0.83%
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			12.32			12.09	-0.24	-1.91%	3.83%	3.95%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.44%	4.57%
Total Bill on Two-Tier RPP (before Taxes)			330.66			310.07	-20.59	-6.23%	98.33%	
HST		0.13	42.99		0.13	40.31	-2.68	-6.23%	12.78%	
Total Bill (including HST)			373.64			350.38	-23.26	-6.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.36		-0.10	-35.04	2.33	-6.23%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			336.28			315.34	-20.94	-6.23%	100.00%	
Total Bill on TOU (before Taxes)			321.24			301.02	-20.23	-6.30%		98.33%
HST		0.13	41.76		0.13	39.13	-2.63	-6.30%		12.78%
Total Bill (including HST)			363.00			340.15	-22.86	-6.30%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.30		-0.10	-34.01	2.29	-6.30%		-11.11%
Total Bill on TOU (including HST and OCEB)			326.70			306.13	-20.57	-6.30%		100.00%

2015 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor-Current	1.085
Loss factor-Proposed	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	108.5
Monthly Consumption (kWh) - Uplifted - Proposed	107.6
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	19.59%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	19.59%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		10.76%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		4.52%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		5.45%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	21.06%	20.73%
Service Charge	1	20.15	20.15	1	28.16	28.16	8.01	39.75%	64.14%	63.12%
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	-1.08	-1.08	-1.08	0.00%	-2.46%	-2.42%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.30	0.30	0.30	0.00%	0.68%	0.67%
Distribution Volumetric Rate	100	0.0339	3.39	100	0.0311	3.11	-0.28	-8.26%	7.08%	6.97%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0012	-0.12	-0.12	0.00%	-0.27%	-0.27%
Volumetric Deferral/Variance Account Rider	100	0.00107	0.11	100	0.0000	0.00	-0.11	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			27.57			30.37	2.80	10.17%	69.17%	68.08%
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)	9	0.09	0.73	8	0.09	0.65	-0.08	-10.59%	1.49%	1.47%
Line Losses on Cost of Power (based on TOU prices)	9	0.09	0.79	8	0.09	0.70	-0.08	-10.59%	1.60%	1.58%
Sub-Total: Distribution (based on two-tier RPP prices)			29.09			31.81	2.73	9.37%	72.46%	71.31%
Sub-Total: Distribution (based on TOU prices)			29.14			31.86	2.72	9.33%	72.57%	71.42%
Retail Transmission Rate – Network Service Rate	109	0.00719	0.78	108	0.0066	0.71	-0.07	-8.97%	1.62%	1.59%
Retail Transmission Rate – Line and Transformation Connection	109	0.00499	0.54	108	0.0046	0.49	-0.05	-8.58%	1.13%	1.11%
Sub-Total: Retail Transmission			1.32			1.21	-0.12	-8.81%	2.74%	2.70%
Sub-Total: Delivery (based on two-tier RPP prices)			30.41			33.02	2.61	8.58%	75.20%	74.01%
Sub-Total: Delivery (based on TOU prices)			30.46			33.07	2.60	8.55%	75.32%	74.12%
Wholesale Market Service Rate	109	0.0044	0.48	108	0.0044	0.47	0.00	-0.83%	1.08%	1.06%
Rural Rate Protection Charge	109	0.0012	0.13	108	0.0012	0.13	0.00	-0.83%	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			0.86			0.85	-0.01	-0.59%	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)			40.57			43.17	2.60	6.42%	98.33%	
HST		0.13	5.27		0.13	5.61	0.34	6.42%	12.78%	
Total Bill (including HST)			45.84			48.78	2.94	6.42%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.58		-0.10	-4.88	-0.29	6.42%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			41.26			43.91	2.65	6.42%	100.00%	
Total Bill on TOU (before Taxes)			41.27			43.87	2.60	6.30%		98.33%
HST		0.13	5.36		0.13	5.70	0.34	6.30%		12.78%
Total Bill (including HST)			46.63			49.57	2.94	6.30%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.66		-0.10	-4.96	-0.29	6.30%		-11.11%
Total Bill on TOU (including HST and OCEB)			41.97			44.61	2.64	6.30%		100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor-Current	1.085
Loss factor-Proposed	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	868
Monthly Consumption (kWh) - Uplifted - Proposed	860.8
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	33.75%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	13.21%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	46.96%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		24.84%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		10.43%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		12.58%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	48.38%	47.85%
Service Charge	1	20.15	20.15	1	28.16	28.16	8.01	39.75%	18.42%	18.22%
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	-1.08	-1.08	-1.08	0.00%	-0.71%	-0.70%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.30	0.30	0.30	0.00%	0.20%	0.19%
Distribution Volumetric Rate	800	0.0339	27.12	800	0.0311	24.88	-2.24	-8.26%	16.27%	16.10%
Volumetric Smoothing Rider	800	0	0.00	800	-0.0012	-0.96	-0.96	0.00%	-0.63%	-0.62%
Volumetric Deferral/Variance Account Rider	800	0.00107	0.86	800	0.0000	0.00	-0.86	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			52.05			51.30	-0.75	-1.43%	33.55%	33.19%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.52%	0.51%
Line Losses on Cost of Power (based on two-tier RPP prices)	68	0.10	6.87	61	0.10	6.14	-0.73	-10.59%	4.02%	3.97%
Line Losses on Cost of Power (based on TOU prices)	68	0.09	6.29	61	0.09	5.62	-0.67	-10.59%	3.68%	3.64%
Sub-Total: Distribution (based on two-tier RPP prices)			59.70			58.23	-1.47	-2.47%	38.08%	37.67%
Sub-Total: Distribution (based on TOU prices)			59.12			57.71	-1.41	-2.39%	37.75%	37.34%
Retail Transmission Rate – Network Service Rate	868	0.00719	6.24	861	0.0066	5.68	-0.56	-8.97%	3.72%	3.68%
Retail Transmission Rate – Line and Transformation Connection	868	0.00499	4.33	861	0.0046	3.96	-0.37	-8.58%	2.59%	2.56%
Sub-Total: Retail Transmission			10.57			9.64	-0.93	-8.81%	6.31%	6.24%
Sub-Total: Delivery (based on two-tier RPP prices)			70.28			67.87	-2.40	-3.42%	44.39%	43.91%
Sub-Total: Delivery (based on TOU prices)			69.70			67.35	-2.34	-3.36%	44.05%	43.57%
Wholesale Market Service Rate	868	0.0044	3.82	861	0.0044	3.79	-0.03	-0.83%	2.48%	2.45%
Rural Rate Protection Charge	868	0.0012	1.04	861	0.0012	1.03	-0.01	-0.83%	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			5.11			5.07	-0.04	-0.79%	3.32%	3.28%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.66%	3.62%
Total Bill on Two-Tier RPP (before Taxes)			152.79			150.34	-2.44	-1.60%	98.33%	
HST		0.13	19.86		0.13	19.54	-0.32	-1.60%	12.78%	
Total Bill (including HST)			172.65			169.89	-2.76	-1.60%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.26		-0.10	-16.99	0.28	-1.60%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			155.38			152.90	-2.49	-1.60%	100.00%	
Total Bill on TOU (before Taxes)			154.37			151.99	-2.38	-1.54%		98.33%
HST		0.13	20.07		0.13	19.76	-0.31	-1.54%		12.78%
Total Bill (including HST)			174.44			171.75	-2.69	-1.54%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.44		-0.10	-17.17	0.27	-1.54%		-11.11%
Total Bill on TOU (including HST and OCEB)			157.00			154.57	-2.42	-1.54%		100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor-Current	1.085
Loss factor-Proposed	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	2170
Monthly Consumption (kWh) - Uplifted - Proposed	2152
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	14.63%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	40.10%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	54.73%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		27.98%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.75%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		14.17%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	52.44%	53.90%
Service Charge	1	20.15	20.15	1	28.16	28.16	8.01	39.75%	7.99%	8.21%
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	-1.08	-1.08	-1.08	0.00%	-0.31%	-0.31%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.30	0.30	0.30	0.00%	0.09%	0.09%
Distribution Volumetric Rate	2,000	0.0339	67.80	2,000	0.0311	62.20	-5.60	-8.26%	17.64%	18.13%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0012	-2.40	-2.40	0.00%	-0.68%	-0.70%
Volumetric Deferral/Variance Account Rider	2,000	0.00107	2.14	2,000	0.0000	0.00	-2.14	-100.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			94.01			87.18	-6.83	-7.27%	24.72%	25.41%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	170	0.10	17.17	152	0.10	15.35	-1.82	-10.59%	4.35%	4.47%
Line Losses on Cost of Power (based on TOU prices)	170	0.09	15.72	152	0.09	14.05	-1.66	-10.59%	3.99%	4.10%
Sub-Total: Distribution (based on two-tier RPP prices)			111.97			103.32	-8.65	-7.72%	29.30%	30.12%
Sub-Total: Distribution (based on TOU prices)			110.52			102.02	-8.49	-7.69%	28.93%	29.74%
Retail Transmission Rate – Network Service Rate	2,170	0.00719	15.60	2,152	0.0066	14.20	-1.40	-8.97%	4.03%	4.14%
Retail Transmission Rate – Line and Transformation Connection	2,170	0.00499	10.83	2,152	0.0046	9.90	-0.93	-8.58%	2.81%	2.89%
Sub-Total: Retail Transmission			26.43			24.10	-2.33	-8.81%	6.84%	7.03%
Sub-Total: Delivery (based on two-tier RPP prices)			138.40			127.42	-10.98	-7.93%	36.14%	37.14%
Sub-Total: Delivery (based on TOU prices)			136.95			126.13	-10.82	-7.90%	35.77%	36.76%
Wholesale Market Service Rate	2,170	0.0044	9.55	2,152	0.0044	9.47	-0.08	-0.83%	2.69%	2.76%
Rural Rate Protection Charge	2,170	0.0012	2.60	2,152	0.0012	2.58	-0.02	-0.83%	0.73%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.40			12.30	-0.10	-0.81%	3.49%	3.59%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.97%	4.08%
Total Bill on Two-Tier RPP (before Taxes)			357.80			346.73	-11.08	-3.10%	98.33%	
HST		0.13	46.51		0.13	45.07	-1.44	-3.10%	12.78%	
Total Bill (including HST)			404.32			391.80	-12.52	-3.10%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-40.43		-0.10	-39.18	1.25	-3.10%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			363.89			352.62	-11.27	-3.10%	100.00%	
Total Bill on TOU (before Taxes)			348.27			337.35	-10.92	-3.14%		98.33%
HST		0.13	45.28		0.13	43.86	-1.42	-3.14%		12.78%
Total Bill (including HST)			393.55			381.20	-12.34	-3.14%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.35		-0.10	-38.12	1.23	-3.14%		-11.11%
Total Bill on TOU (including HST and OCEB)			354.19			343.08	-11.11	-3.14%		100.00%

2015 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	109.2
Monthly Consumption (kWh) - Uplifted - Proposed	110.5
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	15.98%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	15.98%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		8.80%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		3.70%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		4.45%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	17.18%	16.95%
Service Charge	1	29.11	29.11	1	37.46	37.46	8.35	28.68%	69.59%	68.67%
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	-2.60	-2.60	-2.60	0.00%	-4.83%	-4.77%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.58	0.58	0.58	0.00%	1.08%	1.06%
Distribution Volumetric Rate	100	0.03724	3.72	100	0.0457	4.57	0.85	22.72%	8.49%	8.38%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0017	-0.17	-0.17	0.00%	-0.32%	-0.31%
Volumetric Deferral/Variance Account Rider	100	0.00208	0.21	100	0.0001	0.01	-0.20	-95.19%	0.02%	0.02%
Sub-Total: Distribution (excluding pass through)			36.96			39.85	2.89	7.81%	74.03%	73.05%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.47%	1.45%
Line Losses on Cost of Power (based on two-tier RPP prices)	9	0.09	0.79	11	0.09	0.90	0.11	14.13%	1.68%	1.66%
Line Losses on Cost of Power (based on TOU prices)	9	0.09	0.85	11	0.09	0.97	0.12	14.13%	1.80%	1.78%
Sub-Total: Distribution (based on two-tier RPP prices)			38.54			41.54	3.00	7.78%	77.18%	76.15%
Sub-Total: Distribution (based on TOU prices)			38.60			41.61	3.01	7.79%	77.30%	76.28%
Retail Transmission Rate – Network Service Rate	109	0.00702	0.77	111	0.0065	0.72	-0.05	-6.31%	1.33%	1.32%
Retail Transmission Rate – Line and Transformation Connection	109	0.0047	0.51	111	0.0045	0.50	-0.02	-3.12%	0.92%	0.91%
Sub-Total: Retail Transmission			1.28			1.22	-0.06	-5.03%	2.26%	2.23%
Sub-Total: Delivery (based on two-tier RPP prices)			39.82			42.76	2.94	7.37%	79.44%	78.38%
Sub-Total: Delivery (based on TOU prices)			39.88			42.83	2.94	7.38%	79.56%	78.50%
Wholesale Market Service Rate	109	0.0044	0.48	111	0.0044	0.49	0.01	1.19%	0.90%	0.89%
Rural Rate Protection Charge	109	0.0012	0.13	111	0.0012	0.13	0.00	1.19%	0.25%	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%	0.46%
Sub-Total: Regulatory			0.86			0.87	0.01	0.85%	1.61%	1.59%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.30%	1.28%
Total Bill on Two-Tier RPP (before Taxes)			49.98			52.93	2.94	5.89%	98.33%	
HST		0.13	6.50		0.13	6.88	0.38	5.89%	12.78%	
Total Bill (including HST)			56.48			59.81	3.33	5.89%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.65		-0.10	-5.98	-0.33	5.89%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			50.83			53.83	2.99	5.89%	100.00%	
Total Bill on TOU (before Taxes)			50.69			53.64	2.95	5.82%		98.33%
HST		0.13	6.59		0.13	6.97	0.38	5.82%		12.78%
Total Bill (including HST)			57.28			60.61	3.33	5.82%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.73		-0.10	-6.06	-0.33	5.82%		-11.11%
Total Bill on TOU (including HST and OCEB)			51.55			54.55	3.00	5.82%		100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	873.6
Monthly Consumption (kWh) - Uplifted - Proposed	884
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	29.44%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	11.53%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	40.97%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		21.73%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		9.13%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		11.00%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	42.21%	41.86%
Service Charge	1	29.11	29.11	1	37.46	37.46	8.35	28.68%	21.38%	21.20%
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	-2.60	-2.60	-2.60	0.00%	-1.48%	-1.47%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.58	0.58	0.58	0.00%	0.33%	0.33%
Distribution Volumetric Rate	800	0.03724	29.79	800	0.0457	36.56	6.77	22.72%	20.86%	20.69%
Volumetric Smoothing Rider	800	0	0.00	800	-0.0017	-1.36	-1.36	0.00%	-0.78%	-0.77%
Volumetric Deferral/Variance Account Rider	800	0.00208	1.66	800	0.0001	0.08	-1.58	-95.19%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			64.49			70.72	6.23	9.67%	40.35%	40.02%
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)	74	0.10	7.43	84	0.10	8.48	1.05	14.13%	4.84%	4.80%
Line Losses on Cost of Power (based on TOU prices)	74	0.09	6.81	84	0.09	7.77	0.96	14.13%	4.43%	4.39%
Sub-Total: Distribution (based on two-tier RPP prices)			72.71			79.99	7.28	10.02%	45.65%	45.27%
Sub-Total: Distribution (based on TOU prices)			72.08			79.28	7.20	9.98%	45.24%	44.86%
Retail Transmission Rate – Network Service Rate	874	0.00702	6.13	884	0.0065	5.75	-0.39	-6.31%	3.28%	3.25%
Retail Transmission Rate – Line and Transformation Connection	874	0.0047	4.11	884	0.0045	3.98	-0.13	-3.12%	2.27%	2.25%
Sub-Total: Retail Transmission			10.24			9.72	-0.51	-5.03%	5.55%	5.50%
Sub-Total: Delivery (based on two-tier RPP prices)			82.95			89.72	6.77	8.16%	51.19%	50.77%
Sub-Total: Delivery (based on TOU prices)			82.32			89.00	6.68	8.12%	50.79%	50.36%
Wholesale Market Service Rate	874	0.0044	3.84	884	0.0044	3.89	0.05	1.19%	2.22%	2.20%
Rural Rate Protection Charge	874	0.0012	1.05	884	0.0012	1.06	0.01	1.19%	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			5.14			5.20	0.06	1.13%	2.97%	2.94%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.20%	3.17%
Total Bill on Two-Tier RPP (before Taxes)			165.49			172.32	6.83	4.13%	98.33%	
HST		0.13	21.51		0.13	22.40	0.89	4.13%	12.78%	
Total Bill (including HST)			187.00			194.72	7.72	4.13%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.70		-0.10	-19.47	-0.77	4.13%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			168.30			175.25	6.94	4.13%	100.00%	
Total Bill on TOU (before Taxes)			167.03			173.77	6.74	4.03%		98.33%
HST		0.13	21.71		0.13	22.59	0.88	4.03%		12.78%
Total Bill (including HST)			188.74			196.36	7.62	4.03%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.87		-0.10	-19.64	-0.76	4.03%		-11.11%
Total Bill on TOU (including HST and OCEB)			169.87			176.72	6.85	4.03%		100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	2184
Monthly Consumption (kWh) - Uplifted - Proposed	2210
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	13.02%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	35.69%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	48.71%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		24.86%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		10.44%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		12.59%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	46.67%	47.89%
Service Charge	1	29.11	29.11	1	37.46	37.46	8.35	28.68%	9.45%	9.70%
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	-2.60	-2.60	-2.60	0.00%	-0.66%	-0.67%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.58	0.58	0.58	0.00%	0.15%	0.15%
Distribution Volumetric Rate	2,000	0.03724	74.48	2,000	0.0457	91.40	16.92	22.72%	23.07%	23.67%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0017	-3.40	-3.40	0.00%	-0.86%	-0.88%
Volumetric Deferral/Variance Account Rider	2,000	0.00208	4.16	2,000	0.0001	0.20	-3.96	-95.19%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			111.67			123.64	11.97	10.72%	31.21%	32.02%
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)	184	0.10	18.58	210	0.10	21.21	2.63	14.13%	5.35%	5.49%
Line Losses on Cost of Power (based on TOU prices)	184	0.09	17.01	210	0.09	19.42	2.40	14.13%	4.90%	5.03%
Sub-Total: Distribution (based on two-tier RPP prices)			131.04			145.64	14.60	11.14%	36.76%	37.72%
Sub-Total: Distribution (based on TOU prices)			129.47			143.85	14.37	11.10%	36.31%	37.25%
Retail Transmission Rate – Network Service Rate	2,184	0.00702	15.33	2,210	0.0065	14.37	-0.97	-6.31%	3.63%	3.72%
Retail Transmission Rate – Line and Transformation Connection	2,184	0.0047	10.26	2,210	0.0045	9.95	-0.32	-3.12%	2.51%	2.58%
Sub-Total: Retail Transmission			25.60			24.31	-1.29	-5.03%	6.14%	6.30%
Sub-Total: Delivery (based on two-tier RPP prices)			156.64			169.95	13.31	8.50%	42.90%	44.01%
Sub-Total: Delivery (based on TOU prices)			155.07			168.16	13.09	8.44%	42.44%	43.55%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,210	0.0044	9.72	0.11	1.19%	2.45%	2.52%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,210	0.0012	2.65	0.03	1.19%	0.67%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.48			12.63	0.15	1.17%	3.19%	3.27%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.53%	3.63%
Total Bill on Two-Tier RPP (before Taxes)			376.12			389.58	13.46	3.58%	98.33%	
HST		0.13	48.90		0.13	50.64	1.75	3.58%	12.78%	
Total Bill (including HST)			425.02			440.22	15.20	3.58%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.50		-0.10	-44.02	-1.52	3.58%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			382.51			396.20	13.68	3.58%	100.00%	
Total Bill on TOU (before Taxes)			366.47			379.70	13.23	3.61%		98.33%
HST		0.13	47.64		0.13	49.36	1.72	3.61%		12.78%
Total Bill (including HST)			414.11			429.06	14.95	3.61%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.41		-0.10	-42.91	-1.50	3.61%		-11.11%
Total Bill on TOU (including HST and OCEB)			372.70			386.16	13.46	3.61%		100.00%

2015 Bill Impacts (Low Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	50
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	54.6
Monthly Consumption (kWh) - Uplifted - Proposed	55.2
Charge determinant	kWh

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	Volume	Current 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	0.086	4.30	50	0.086	4.30	0.00	0.00%	11.37%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	11.37%	
TOU-Off Peak	32	0.075	2.40	32	0.075	2.40	0.00	0.00%		6.29%
TOU-Mid Peak	9	0.112	1.01	9	0.112	1.01	0.00	0.00%		2.64%
TOU-On Peak	9	0.135	1.22	9	0.135	1.22	0.00	0.00%		3.18%
Sub-Total: Energy (TOU)			4.62			4.62	0.00	0.00%	12.23%	12.11%
Service Charge	1	19.71	19.71	1	26.57	26.57	6.86	34.80%	70.28%	69.61%
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	-1.02	-1.02	-1.02	0.00%	-2.70%	-2.67%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.28	0.28	0.28	0.00%	0.74%	0.73%
Distribution Volumetric Rate	50	0.08206	4.10	50	0.0905	4.53	0.42	10.29%	11.97%	11.85%
Volumetric Smoothing Rider	50	0	0.00	50	-0.0035	-0.18	-0.18	0.00%	-0.46%	-0.46%
Volumetric Deferral/Variance Account Rider	50	0.00403	0.20	50	0.0004	0.02	-0.18	-90.07%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			27.93			30.20	2.27	8.11%	79.88%	79.12%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.09%	2.07%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.40	5	0.09	0.45	0.05	13.04%	1.18%	1.17%
Line Losses on Cost of Power (based on TOU prices)	5	0.09	0.43	5	0.09	0.48	0.06	13.04%	1.27%	1.26%
Sub-Total: Distribution (based on two-tier RPP prices)			29.12			31.44	2.32	7.96%	83.15%	82.36%
Sub-Total: Distribution (based on TOU prices)			29.15			31.47	2.32	7.96%	83.24%	82.45%
Retail Transmission Rate – Network Service Rate	55	0.00663	0.36	55	0.0053	0.29	-0.07	-19.18%	0.77%	0.77%
Retail Transmission Rate – Line and Transformation Connection	55	0.0046	0.25	55	0.0043	0.24	-0.01	-5.49%	0.63%	0.62%
Sub-Total: Retail Transmission			0.61			0.53	-0.08	-13.58%	1.40%	1.39%
Sub-Total: Delivery (based on two-tier RPP prices)			29.73			31.97	2.23	7.51%	84.55%	83.75%
Sub-Total: Delivery (based on TOU prices)			29.76			32.00	2.24	7.52%	84.64%	83.84%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	1.10%	0.64%	0.64%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	1.10%	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%	0.65%
Sub-Total: Regulatory			0.56			0.56	0.00	0.60%	1.48%	1.46%
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)			34.94			37.18	2.24	6.40%	98.33%	
HST		0.13	4.54		0.13	4.83	0.29	6.40%	12.78%	
Total Bill (including HST)			39.48			42.01	2.53	6.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.95		-0.10	-4.20	-0.25	6.40%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			35.53			37.81	2.28	6.40%	100.00%	
Total Bill on TOU (before Taxes)			35.29			37.53	2.24	6.35%		98.33%
HST		0.13	4.59		0.13	4.88	0.29	6.35%		12.78%
Total Bill (including HST)			39.88			42.41	2.53	6.35%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.99		-0.10	-4.24	-0.25	6.35%		-11.11%
Total Bill on TOU (including HST and OCEB)			35.89			38.17	2.28	6.35%		100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	436.8
Monthly Consumption (kWh) - Uplifted - Proposed	441.6
Charge determinant	kWh

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	Volume	Current 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	0.086	34.40	400	0.086	34.40	0.00	0.00%	30.94%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			34.40			34.40	0.00	0.00%	30.94%	
TOU-Off Peak	256	0.075	19.20	256	0.075	19.20	0.00	0.00%		16.83%
TOU-Mid Peak	72	0.112	8.06	72	0.112	8.06	0.00	0.00%		7.07%
TOU-On Peak	72	0.135	9.72	72	0.135	9.72	0.00	0.00%		8.52%
Sub-Total: Energy (TOU)			36.98			36.98	0.00	0.00%	33.27%	32.42%
Service Charge	1	19.71	19.71	1	26.57	26.57	6.86	34.80%	23.90%	23.29%
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	-1.02	-1.02	-1.02	0.00%	-0.92%	-0.89%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.28	0.28	0.28	0.00%	0.25%	0.25%
Distribution Volumetric Rate	400	0.08206	32.82	400	0.0905	36.20	3.38	10.29%	32.56%	31.73%
Volumetric Smoothing Rider	400	0	0.00	400	-0.0035	-1.40	-1.40	0.00%	-1.26%	-1.23%
Volumetric Deferral/Variance Account Rider	400	0.00403	1.61	400	0.0004	0.16	-1.45	-90.07%	0.14%	0.14%
Sub-Total: Distribution (excluding pass through)			58.07			60.79	2.72	4.69%	54.68%	53.29%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.71%	0.69%
Line Losses on Cost of Power (based on two-tier RPP prices)	37	0.09	3.16	42	0.09	3.58	0.41	13.04%	3.22%	3.14%
Line Losses on Cost of Power (based on TOU prices)	37	0.09	3.40	42	0.09	3.85	0.44	13.04%	3.46%	3.37%
Sub-Total: Distribution (based on two-tier RPP prices)			62.02			65.16	3.14	5.06%	58.61%	57.12%
Sub-Total: Distribution (based on TOU prices)			62.26			65.43	3.17	5.09%	58.85%	57.35%
Retail Transmission Rate – Network Service Rate	437	0.00663	2.90	442	0.0053	2.34	-0.56	-19.18%	2.11%	2.05%
Retail Transmission Rate – Line and Transformation Connection	437	0.0046	2.01	442	0.0043	1.90	-0.11	-5.49%	1.71%	1.66%
Sub-Total: Retail Transmission			4.91			4.24	-0.67	-13.58%	3.81%	3.72%
Sub-Total: Delivery (based on two-tier RPP prices)			66.93			69.40	2.47	3.69%	62.42%	60.83%
Sub-Total: Delivery (based on TOU prices)			67.16			69.67	2.50	3.73%	62.66%	61.07%
Wholesale Market Service Rate	437	0.0044	1.92	442	0.0044	1.94	0.02	1.10%	1.75%	1.70%
Rural Rate Protection Charge	437	0.0012	0.52	442	0.0012	0.53	0.01	1.10%	0.48%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.22%
Sub-Total: Regulatory			2.70			2.72	0.03	1.00%	2.45%	2.39%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.52%	2.45%
Total Bill on Two-Tier RPP (before Taxes)			106.82			109.32	2.50	2.34%	98.33%	
HST		0.13	13.89		0.13	14.21	0.32	2.34%	12.78%	
Total Bill (including HST)			120.71			123.53	2.82	2.34%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.07		-0.10	-12.35	-0.28	2.34%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			108.64			111.18	2.54	2.34%	100.00%	
Total Bill on TOU (before Taxes)			109.64			112.17	2.53	2.31%		98.33%
HST		0.13	14.25		0.13	14.58	0.33	2.31%		12.78%
Total Bill (including HST)			123.90			126.76	2.86	2.31%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.39		-0.10	-12.68	-0.29	2.31%		-11.11%
Total Bill on TOU (including HST and OCEB)			111.51			114.08	2.57	2.31%		100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted - Current	1092
Monthly Consumption (kWh) - Uplifted - Proposed	1104
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	21.09%	
Energy Second Tier (kWh)	400	0.101	40.40	400	0.101	40.40	0.00	0.00%	16.51%	
Sub-Total: Energy (RPP)			92.00			92.00	0.00	0.00%	37.61%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		19.66%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		8.26%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		9.95%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	37.79%	37.86%
Service Charge	1	19.71	19.71	1	26.57	26.57	6.86	34.80%	10.86%	10.88%
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	-1.02	-1.02	-1.02	0.00%	-0.42%	-0.42%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.28	0.28	0.28	0.00%	0.11%	0.11%
Distribution Volumetric Rate	1,000	0.08206	82.06	1,000	0.0905	90.50	8.44	10.29%	36.99%	37.06%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0035	-3.50	-3.50	0.00%	-1.43%	-1.43%
Volumetric Deferral/Variance Account Rider	1,000	0.00403	4.03	1,000	0.0004	0.40	-3.63	-90.07%	0.16%	0.16%
Sub-Total: Distribution (excluding pass through)			109.72			113.23	3.51	3.20%	46.28%	46.37%
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)	92	0.10	9.29	104	0.10	10.50	1.21	13.04%	4.29%	4.30%
Line Losses on Cost of Power (based on TOU prices)	92	0.09	8.51	104	0.09	9.62	1.11	13.04%	3.93%	3.94%
Sub-Total: Distribution (based on two-tier RPP prices)			119.80			124.52	4.72	3.94%	50.90%	50.99%
Sub-Total: Distribution (based on TOU prices)			119.02			123.64	4.62	3.88%	50.54%	50.63%
Retail Transmission Rate – Network Service Rate	1,092	0.00663	7.24	1,104	0.0053	5.85	-1.39	-19.18%	2.39%	2.40%
Retail Transmission Rate – Line and Transformation Connection	1,092	0.0046	5.02	1,104	0.0043	4.75	-0.28	-5.49%	1.94%	1.94%
Sub-Total: Retail Transmission			12.26			10.60	-1.66	-13.58%	4.33%	4.34%
Sub-Total: Delivery (based on two-tier RPP prices)			132.07			135.12	3.06	2.31%	55.23%	55.33%
Sub-Total: Delivery (based on TOU prices)			131.28			134.23	2.95	2.25%	54.87%	54.97%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,104	0.0044	4.86	0.05	1.10%	1.99%	1.99%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,104	0.0012	1.32	0.01	1.10%	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			6.37			6.43	0.07	1.06%	2.63%	2.63%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.86%	2.87%
Total Bill on Two-Tier RPP (before Taxes)			237.43			240.55	3.12	1.32%	98.33%	
HST		0.13	30.87		0.13	31.27	0.41	1.32%	12.78%	
Total Bill (including HST)			268.30			271.83	3.53	1.32%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-26.83		-0.10	-27.18	-0.35	1.32%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			241.47			244.64	3.18	1.32%	100.00%	
Total Bill on TOU (before Taxes)			237.10			240.13	3.02	1.27%		98.33%
HST		0.13	30.82		0.13	31.22	0.39	1.27%		12.78%
Total Bill (including HST)			267.93			271.34	3.41	1.27%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-26.79		-0.10	-27.13	-0.34	1.27%		-11.11%
Total Bill on TOU (including HST and OCEB)			241.14			244.21	3.07	1.27%		100.00%

2015 Bill Impacts (Low Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted - Current	1092
Monthly Consumption (kWh) - Uplifted - Proposed	1096
Charge determinant	kWh

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	30.94%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	12.11%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	43.06%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		22.82%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		9.58%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		11.55%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	44.36%	43.95%
Service Charge	1	35.92	35.92	1	30.08	30.08	-5.84	-16.26%	14.43%	14.30%
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%	-0.55%	-0.55%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.31	0.31	0.31	0.00%	0.15%	0.15%
Distribution Volumetric Rate	1,000	0.04025	40.25	1,000	0.0538	53.80	13.55	33.66%	25.81%	25.57%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0021	-2.10	-2.10	0.00%	-1.01%	-1.00%
Volumetric Deferral/Variance Account Rider	1,000	0.00115	1.15	1,000	0.0001	0.10	-1.05	-91.30%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			81.24			81.04	-0.20	-0.25%	38.88%	38.52%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	92	0.10	9.29	96	0.10	9.70	0.40	4.35%	4.65%	4.61%
Line Losses on Cost of Power (based on TOU prices)	92	0.09	8.51	96	0.09	8.88	0.37	4.35%	4.26%	4.22%
Sub-Total: Distribution (based on two-tier RPP prices)			91.32			91.53	0.20	0.22%	43.91%	43.51%
Sub-Total: Distribution (based on TOU prices)			90.54			90.71	0.17	0.19%	43.51%	43.12%
Retail Transmission Rate – Network Service Rate	1,092	0.00527	5.75	1,096	0.0058	6.36	0.60	10.46%	3.05%	3.02%
Retail Transmission Rate – Line and Transformation Connection	1,092	0.0035	3.82	1,096	0.0036	3.95	0.12	3.23%	1.89%	1.88%
Sub-Total: Retail Transmission			9.58			10.30	0.73	7.58%	4.94%	4.90%
Sub-Total: Delivery (based on two-tier RPP prices)			100.90			101.83	0.93	0.92%	48.85%	48.40%
Sub-Total: Delivery (based on TOU prices)			100.11			101.01	0.90	0.89%	48.46%	48.01%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,096	0.0044	4.82	0.02	0.37%	2.31%	2.29%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,096	0.0012	1.32	0.00	0.37%	0.63%	0.63%
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			6.37			6.39	0.02	0.35%	3.06%	3.04%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.36%	3.33%
Total Bill on Two-Tier RPP (before Taxes)			204.01			204.97	0.95	0.47%	98.33%	
HST		0.13	26.52		0.13	26.65	0.12	0.47%	12.78%	
Total Bill (including HST)			230.54			231.61	1.08	0.47%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.05		-0.10	-23.16	-0.11	0.47%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			207.48			208.45	0.97	0.47%	100.00%	
Total Bill on TOU (before Taxes)			205.94			206.86	0.92	0.45%		98.33%
HST		0.13	26.77		0.13	26.89	0.12	0.45%		12.78%
Total Bill (including HST)			232.71			233.75	1.04	0.45%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.27		-0.10	-23.37	-0.10	0.45%		-11.11%
Total Bill on TOU (including HST and OCEB)			209.44			210.37	0.93	0.45%		100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted - Current	2184
Monthly Consumption (kWh) - Uplifted - Proposed	2192
Charge determinant	kWh

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	16.22%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	31.76%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	47.98%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		24.62%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		10.34%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		12.46%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	46.52%	47.42%
Service Charge	1	35.92	35.92	1	30.08	30.08	-5.84	-16.26%	7.57%	7.71%
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%	-0.29%	-0.29%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.31	0.31	0.31	0.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.04025	80.50	2,000	0.0538	107.60	27.10	33.66%	27.07%	27.59%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0021	-4.20	-4.20	0.00%	-1.06%	-1.08%
Volumetric Deferral/Variance Account Rider	2,000	0.00115	2.30	2,000	0.0001	0.20	-2.10	-91.30%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			122.64			132.84	10.20	8.32%	33.41%	34.07%
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)	184	0.10	18.58	192	0.10	19.39	0.81	4.35%	4.88%	4.97%
Line Losses on Cost of Power (based on TOU prices)	184	0.09	17.01	192	0.09	17.75	0.74	4.35%	4.47%	4.55%
Sub-Total: Distribution (based on two-tier RPP prices)			142.01			153.02	11.01	7.75%	38.49%	39.24%
Sub-Total: Distribution (based on TOU prices)			140.44			151.38	10.94	7.79%	38.08%	38.82%
Retail Transmission Rate – Network Service Rate	2,184	0.00527	11.51	2,192	0.0058	12.71	1.20	10.46%	3.20%	3.26%
Retail Transmission Rate – Line and Transformation Connection	2,184	0.0035	7.64	2,192	0.0036	7.89	0.25	3.23%	1.98%	2.02%
Sub-Total: Retail Transmission			19.15			20.60	1.45	7.58%	5.18%	5.28%
Sub-Total: Delivery (based on two-tier RPP prices)			161.17			173.63	12.46	7.73%	43.67%	44.53%
Sub-Total: Delivery (based on TOU prices)			159.60			171.99	12.39	7.76%	43.26%	44.10%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,192	0.0044	9.64	0.04	0.37%	2.43%	2.47%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,192	0.0012	2.63	0.01	0.37%	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			12.48			12.53	0.04	0.36%	3.15%	3.21%
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)			378.40			390.90	12.50	3.30%	98.33%	
HST		0.13	49.19		0.13	50.82	1.63	3.30%	12.78%	
Total Bill (including HST)			427.59			441.72	14.13	3.30%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.76		-0.10	-44.17	-1.41	3.30%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			384.83			397.55	12.72	3.30%	100.00%	
Total Bill on TOU (before Taxes)			371.00			383.43	12.44	3.35%		98.33%
HST		0.13	48.23		0.13	49.85	1.62	3.35%		12.78%
Total Bill (including HST)			419.23			433.28	14.05	3.35%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-41.92		-0.10	-43.33	-1.41	3.35%		-11.11%
Total Bill on TOU (including HST and OCEB)			377.30			389.95	12.65	3.35%		100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	Gse
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.096
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted - Current	16380
Monthly Consumption (kWh) - Uplifted - Proposed	16440
Charge determinant	kWh

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.08%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	46.31%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	48.38%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		24.29%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		10.20%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		12.30%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	44.62%	46.79%
Service Charge	1	35.92	35.92	1	30.08	30.08	-5.84	-16.26%	0.97%	1.01%
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	-1.15	-1.15	-1.15	0.00%	-0.04%	-0.04%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.31	0.31	0.31	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.04025	603.75	15,000	0.0538	807.00	203.25	33.66%	25.97%	27.23%
Volumetric Smoothing Rider	15,000	0	0.00	15,000	-0.0021	-31.50	-31.50	0.00%	-1.01%	-1.06%
Volumetric Deferral/Variance Account Rider	15,000	0.00115	17.25	15,000	0.0001	1.50	-15.75	-91.30%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			660.84			806.24	145.40	22.00%	25.94%	27.20%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,380	0.10	139.38	1,440	0.10	145.44	6.06	4.35%	4.68%	4.91%
Line Losses on Cost of Power (based on TOU prices)	1,380	0.09	127.59	1,440	0.09	133.14	5.55	4.35%	4.28%	4.49%
Sub-Total: Distribution (based on two-tier RPP prices)			801.01			952.47	151.46	18.91%	30.65%	32.14%
Sub-Total: Distribution (based on TOU prices)			789.22			940.17	150.95	19.13%	30.25%	31.72%
Retail Transmission Rate – Network Service Rate	16,380	0.00527	86.32	16,440	0.0058	95.35	9.03	10.46%	3.07%	3.22%
Retail Transmission Rate – Line and Transformation Connection	16,380	0.0035	57.33	16,440	0.0036	59.18	1.85	3.23%	1.90%	2.00%
Sub-Total: Retail Transmission			143.65			154.54	10.88	7.58%	4.97%	5.21%
Sub-Total: Delivery (based on two-tier RPP prices)			944.66			1,107.01	162.34	17.19%	35.62%	37.35%
Sub-Total: Delivery (based on TOU prices)			932.88			1,094.71	161.83	17.35%	35.22%	36.93%
Wholesale Market Service Rate	16,380	0.0044	72.07	16,440	0.0044	72.34	0.26	0.37%	2.33%	2.44%
Rural Rate Protection Charge	16,380	0.0012	19.66	16,440	0.0012	19.73	0.07	0.37%	0.63%	0.67%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			91.98			92.31	0.34	0.37%	2.97%	3.11%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.38%	3.54%
Total Bill on Two-Tier RPP (before Taxes)			2,645.39			2,808.07	162.68	6.15%	90.35%	
HST		0.13	343.90		0.13	365.05	21.15	6.15%	11.75%	
Total Bill (including HST)			2,989.29			3,173.12	183.83	6.15%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-62.46		-0.10	-65.18	-2.72	4.35%	-2.10%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,926.83			3,107.94	181.11	6.19%	100.00%	
Total Bill on TOU (before Taxes)			2,516.76			2,678.92	162.17	6.44%		90.39%
HST		0.13	327.18		0.13	348.26	21.08	6.44%		11.75%
Total Bill (including HST)			2,843.93			3,027.18	183.25	6.44%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-60.57		-0.10	-63.28	-2.71	4.47%		-2.14%
Total Bill on TOU (including HST and OCEB)			2,783.36			2,963.90	180.54	6.49%		100.00%

2015 Bill Impacts (Low Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	1000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted - Current	1092
Monthly Consumption (kWh) - Uplifted - Proposed	1067
Charge determinant	kWh

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	38.04%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	14.89%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	52.93%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		27.95%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		11.74%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		14.15%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	54.53%	53.84%
Service Charge	1	10.2	10.20	1	23.15	23.15	12.95	126.96%	13.65%	13.48%
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	-0.88	-0.88	-0.88	0.00%	-0.52%	-0.51%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.15%	0.15%
Distribution Volumetric Rate	1,000	0.01684	16.84	1,000	0.024	24.00	7.16	42.52%	14.15%	13.98%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0009	-0.90	-0.90	0.00%	-0.53%	-0.52%
Volumetric Deferral/Variance Account Rider	1,000	-0.00026	-0.26	1,000	-0.0001	-0.10	0.16	-61.54%	-0.06%	-0.06%
Sub-Total: Distribution (excluding pass through)			30.70			45.52	14.82	48.27%	26.85%	26.51%
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)	92	0.10	9.29	67	0.10	6.77	-2.53	-27.17%	3.99%	3.94%
Line Losses on Cost of Power (based on TOU prices)	92	0.09	8.51	67	0.09	6.19	-2.31	-27.17%	3.65%	3.61%
Sub-Total: Distribution (based on two-tier RPP prices)			40.78			53.08	12.30	30.15%	31.30%	30.91%
Sub-Total: Distribution (based on TOU prices)			40.00			52.50	12.51	31.27%	30.97%	30.57%
Retail Transmission Rate – Network Service Rate	1,092	0.00544	5.94	1,067	0.0062	6.62	0.67	11.36%	3.90%	3.85%
Retail Transmission Rate – Line and Transformation Connection	1,092	0.00358	3.91	1,067	0.0038	4.05	0.15	3.72%	2.39%	2.36%
Sub-Total: Retail Transmission			9.85			10.67	0.82	8.33%	6.29%	6.21%
Sub-Total: Delivery (based on two-tier RPP prices)			50.63			63.75	13.12	25.90%	37.60%	37.12%
Sub-Total: Delivery (based on TOU prices)			49.85			63.17	13.33	26.74%	37.26%	36.79%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,067	0.0044	4.69	-0.11	-2.29%	2.77%	2.73%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,067	0.0012	1.28	-0.03	-2.29%	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			6.37			6.23	-0.14	-2.20%	3.67%	3.62%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	4.13%	4.08%
Total Bill on Two-Tier RPP (before Taxes)			153.75			166.72	12.98	8.44%	98.33%	
HST		0.13	19.99		0.13	21.67	1.69	8.44%	12.78%	
Total Bill (including HST)			173.73			188.40	14.66	8.44%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.37		-0.10	-18.84	-1.47	8.44%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			156.36			169.56	13.20	8.44%	100.00%	
Total Bill on TOU (before Taxes)			155.67			168.86	13.19	8.47%		98.33%
HST		0.13	20.24		0.13	21.95	1.71	8.47%		12.78%
Total Bill (including HST)			175.91			190.81	14.90	8.47%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.59		-0.10	-19.08	-1.49	8.47%		-11.11%
Total Bill on TOU (including HST and OCEB)			158.32			171.73	13.41	8.47%		100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted - Current	2184
Monthly Consumption (kWh) - Uplifted - Proposed	2134
Charge determinant	kWh

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	19.75%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	38.66%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	58.41%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		30.05%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		12.62%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.21%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	56.62%	57.88%
Service Charge	1	10.2	10.20	1	23.15	23.15	12.95	126.96%	7.09%	7.25%
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	-0.88	-0.88	-0.88	0.00%	-0.27%	-0.28%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.01684	33.68	2,000	0.024	48.00	14.32	42.52%	14.70%	15.02%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0009	-1.80	-1.80	0.00%	-0.55%	-0.56%
Volumetric Deferral/Variance Account Rider	2,000	-0.00026	-0.52	2,000	-0.0001	-0.20	0.32	-61.54%	-0.06%	-0.06%
Sub-Total: Distribution (excluding pass through)			47.28			68.52	21.24	44.92%	20.98%	21.45%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.24%	0.25%
Line Losses on Cost of Power (based on two-tier RPP prices)	184	0.10	18.58	134	0.10	13.53	-5.05	-27.17%	4.14%	4.24%
Line Losses on Cost of Power (based on TOU prices)	184	0.09	17.01	134	0.09	12.39	-4.62	-27.17%	3.79%	3.88%
Sub-Total: Distribution (based on two-tier RPP prices)			66.65			82.84	16.19	24.29%	25.37%	25.93%
Sub-Total: Distribution (based on TOU prices)			65.08			81.70	16.62	25.53%	25.02%	25.57%
Retail Transmission Rate – Network Service Rate	2,184	0.00544	11.88	2,134	0.0062	13.23	1.35	11.36%	4.05%	4.14%
Retail Transmission Rate – Line and Transformation Connection	2,184	0.00358	7.82	2,134	0.0038	8.11	0.29	3.72%	2.48%	2.54%
Sub-Total: Retail Transmission			19.70			21.34	1.64	8.33%	6.53%	6.68%
Sub-Total: Delivery (based on two-tier RPP prices)			86.35			104.18	17.83	20.65%	31.90%	32.61%
Sub-Total: Delivery (based on TOU prices)			84.78			103.04	18.26	21.53%	31.55%	32.25%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,134	0.0044	9.39	-0.22	-2.29%	2.88%	2.94%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,134	0.0012	2.56	-0.06	-2.29%	0.78%	0.80%
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			12.48			12.20	-0.28	-2.24%	3.74%	3.82%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.29%	4.38%
Total Bill on Two-Tier RPP (before Taxes)			303.58			321.13	17.55	5.78%	98.33%	
HST		0.13	39.47		0.13	41.75	2.28	5.78%	12.78%	
Total Bill (including HST)			343.05			362.88	19.83	5.78%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.31		-0.10	-36.29	-1.98	5.78%	-11.11%	
Total Bill on Two-Tier RPP (including HST and OCEB)			308.75			326.59	17.85	5.78%	100.00%	
Total Bill on TOU (before Taxes)			296.18			314.16	17.98	6.07%		98.33%
HST		0.13	38.50		0.13	40.84	2.34	6.07%		12.78%
Total Bill (including HST)			334.69			355.00	20.31	6.07%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-33.47		-0.10	-35.50	-2.03	6.07%		-11.11%
Total Bill on TOU (including HST and OCEB)			301.22			319.50	18.28	6.07%		100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	Uge
Monthly Consumption (kWh)	15000
Peak (kW)	0
Loss factor-Current	1.092
Loss factor-Proposed	1.067
Commodity Threshold	750
Monthly Consumption (kWh) - Uplifted - Current	16380
Monthly Consumption (kWh) - Uplifted - Proposed	16005
Charge determinant	kWh

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.50%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	55.84%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	58.34%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		29.54%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		12.41%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		14.95%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	53.81%	56.90%
Service Charge	1	10.2	10.20	1	23.15	23.15	12.95	126.96%	0.90%	0.95%
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	-0.88	-0.88	-0.88	0.00%	-0.03%	-0.04%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.25	0.25	0.25	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.01684	252.60	15,000	0.024	360.00	107.40	42.52%	13.97%	14.77%
Volumetric Smoothing Rider	15,000	0	0.00	15,000	-0.0009	-13.50	-13.50	0.00%	-0.52%	-0.55%
Volumetric Deferral/Variance Account Rider	15,000	-0.00026	-3.90	15,000	-0.0001	-1.50	2.40	-61.54%	-0.06%	-0.06%
Sub-Total: Distribution (excluding pass through)			262.82			367.52	104.70	39.84%	14.26%	15.08%
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)	1,380	0.10	139.38	1,005	0.10	101.51	-37.88	-27.17%	3.94%	4.16%
Line Losses on Cost of Power (based on TOU prices)	1,380	0.09	127.59	1,005	0.09	92.92	-34.67	-27.17%	3.61%	3.81%
Sub-Total: Distribution (based on two-tier RPP prices)			402.99			469.82	66.82	16.58%	18.23%	19.27%
Sub-Total: Distribution (based on TOU prices)			391.20			461.23	70.03	17.90%	17.89%	18.92%
Retail Transmission Rate – Network Service Rate	16,380	0.00544	89.11	16,005	0.0062	99.23	10.12	11.36%	3.85%	4.07%
Retail Transmission Rate – Line and Transformation Connection	16,380	0.00358	58.64	16,005	0.0038	60.82	2.18	3.72%	2.36%	2.50%
Sub-Total: Retail Transmission			147.75			160.05	12.30	8.33%	6.21%	6.57%
Sub-Total: Delivery (based on two-tier RPP prices)			550.74			629.87	79.13	14.37%	24.44%	25.84%
Sub-Total: Delivery (based on TOU prices)			538.95			621.28	82.33	15.28%	24.10%	25.49%
Wholesale Market Service Rate	16,380	0.0044	72.07	16,005	0.0044	70.42	-1.65	-2.29%	2.73%	2.89%
Rural Rate Protection Charge	16,380	0.0012	19.66	16,005	0.0012	19.21	-0.45	-2.29%	0.75%	0.79%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			91.98			89.88	-2.10	-2.28%	3.49%	3.69%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.07%	4.31%
Total Bill on Two-Tier RPP (before Taxes)			2,251.47			2,328.49	77.03	3.42%	90.34%	
HST		0.13	292.69		0.13	302.70	10.01	3.42%	11.74%	
Total Bill (including HST)			2,544.16			2,631.20	87.04	3.42%	102.08%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-51.24		-0.10	-53.74	-2.50	4.88%	-2.08%	
Total Bill on Two-Tier RPP (including HST and OCEB)			2,492.92			2,577.46	84.54	3.39%	100.00%	
Total Bill on TOU (before Taxes)			2,122.83			2,203.06	80.23	3.78%		90.38%
HST		0.13	275.97		0.13	286.40	10.43	3.78%		11.75%
Total Bill (including HST)			2,398.80			2,489.46	90.66	3.78%		102.13%
Ontario Clean Energy Benefit (OCEB)		-0.10	-49.35		-0.10	-51.92	-2.57	5.21%		-2.13%
Total Bill on TOU (including HST and OCEB)			2,349.45			2,437.54	88.09	3.75%		100.00%

2015 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	34.66%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	34.66%
Service Charge	1	1.47	1.47	1	4.02	4.02	2.55	173.47%	16.20%
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	-0.15	-0.15	-0.15	0.00%	-0.60%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.04	0.04	0.04	0.00%	0.16%
Distribution Volumetric Rate	100	0.07288	7.29	100	0.0907	9.07	1.78	24.45%	36.55%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0035	-0.35	-0.35	0.00%	-1.41%
Volumetric Deferral/Variance Account Rider	100	0.00133	0.13	100	0.0004	0.04	-0.09	-69.92%	0.16%
Sub-Total: Distribution (excluding pass through)			8.89			12.67	3.78	42.50%	51.06%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	3.19%
Sub-Total: Distribution			9.68			13.46	3.78	39.03%	54.25%
Retail Transmission Rate – Network Service Rate	109	0.00442	0.48	109	0.0039	0.43	-0.06	-11.76%	1.72%
Retail Transmission Rate – Line and Transformation Connection S	109	0.00297	0.32	109	0.0032	0.35	0.03	7.74%	1.41%
Sub-Total: Retail Transmission			0.81			0.78	-0.03	-3.92%	3.12%
Sub-Total: Delivery			10.49			14.24	3.75	35.73%	57.38%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.94%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	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%	1.01%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.47%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.82%
Total Bill on Two-Tier RPP (before Taxes)			20.65			24.40	3.75	18.15%	98.33%
HST		0.13	2.68		0.13	3.17	0.49	18.15%	12.78%
Total Bill (including HST)			23.34			27.57	4.23	18.15%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.33		-0.10	-2.76	-0.42	18.15%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			21.00			24.81	3.81	18.15%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	40.13%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	40.13%
Service Charge	1	1.47	1.47	1	4.02	4.02	2.55	173.47%	3.75%
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	-0.15	-0.15	-0.15	0.00%	-0.14%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.04	0.04	0.04	0.00%	0.04%
Distribution Volumetric Rate	500	0.07288	36.44	500	0.0907	45.35	8.91	24.45%	42.33%
Volumetric Smoothing Rider	500	0	0.00	500	-0.0035	-1.75	-1.75	0.00%	-1.63%
Volumetric Deferral/Variance Account Rider	500	0.00133	0.67	500	0.0004	0.20	-0.47	-69.92%	0.19%
Sub-Total: Distribution (excluding pass through)			38.58			47.71	9.14	23.68%	44.53%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.69%
Sub-Total: Distribution			42.53			51.67	9.14	21.48%	48.22%
Retail Transmission Rate – Network Service Rate	546	0.00442	2.41	546	0.0039	2.13	-0.28	-11.76%	1.99%
Retail Transmission Rate – Line and Transformation Connection S	546	0.00297	1.62	546	0.0032	1.75	0.13	7.74%	1.63%
Sub-Total: Retail Transmission			4.03			3.88	-0.16	-3.92%	3.62%
Sub-Total: Delivery			46.57			55.54	8.98	19.28%	51.84%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.24%
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)			96.37			105.35	8.98	9.31%	98.33%
HST		0.13	12.53		0.13	13.70	1.17	9.31%	12.78%
Total Bill (including HST)			108.90			119.05	10.14	9.31%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-10.89		-0.10	-11.90	-1.01	9.31%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			98.01			107.14	9.13	9.31%	100.00%

2015 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	14.73%
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	28.84%
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	43.58%
Service Charge	1	1.47	1.47	1	4.02	4.02	2.55	173.47%	0.92%
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	-0.15	-0.15	-0.15	0.00%	-0.03%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.04	0.04	0.04	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.07288	145.76	2,000	0.0907	181.40	35.64	24.45%	41.44%
Volumetric Smoothing Rider	2,000	0	0.00	2,000	-0.0035	-7.00	-7.00	0.00%	-1.60%
Volumetric Deferral/Variance Account Rider	2,000	0.00133	2.66	2,000	0.0004	0.80	-1.86	-69.92%	0.18%
Sub-Total: Distribution (excluding pass through)			149.89			179.11	29.22	19.49%	40.92%
Line Losses on Cost of Power	184	0.10	18.58	184	0.10	18.58	0.00	0.00%	4.25%
Sub-Total: Distribution			168.47			197.69	29.22	17.34%	45.16%
Retail Transmission Rate – Network Service Rate	2,184	0.00442	9.65	2,184	0.0039	8.52	-1.14	-11.76%	1.95%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.00297	6.49	2,184	0.0032	6.99	0.50	7.74%	1.60%
Sub-Total: Retail Transmission			16.14			15.51	-0.63	-3.92%	3.54%
Sub-Total: Delivery			184.61			213.20	28.59	15.48%	48.70%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.20%
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%	2.85%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.20%
Total Bill on Two-Tier RPP (before Taxes)			401.84			430.43	28.59	7.11%	98.33%
HST		0.13	52.24		0.13	55.96	3.72	7.11%	12.78%
Total Bill (including HST)			454.08			486.39	32.30	7.11%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.41		-0.10	-48.64	-3.23	7.11%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			408.68			437.75	29.07	7.11%	100.00%

2015 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.086	1.72	20	0.086	1.72	0.00	0.00%	23.73%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.72			1.72	0.00	0.00%	23.73%
Service Charge	1	1.5	1.50	1	2.42	2.42	0.92	61.33%	33.39%
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	-0.09	-0.09	-0.09	0.00%	-1.24%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.03	0.03	0.03	0.00%	0.41%
Distribution Volumetric Rate	20	0.09986	2.00	20	0.1149	2.30	0.30	15.06%	31.71%
Volumetric Smoothing Rider	20	0	0.00	20	-0.0044	-0.09	-0.09	0.00%	-1.21%
Volumetric Deferral/Variance Account Rider	20	0.00318	0.06	20	0.0005	0.01	-0.05	-84.28%	0.14%
Sub-Total: Distribution (excluding pass through)			3.56			4.58	1.02	28.62%	63.20%
Line Losses on Cost of Power	2	0.09	0.16	2	0.09	0.16	0.00	0.00%	2.18%
Sub-Total: Distribution			3.72			4.74	1.02	27.40%	65.38%
Retail Transmission Rate – Network Service Rate	22	0.00442	0.10	22	0.0039	0.09	-0.01	-11.76%	1.18%
Retail Transmission Rate – Line and Transformation Connection S	22	0.00297	0.06	22	0.0032	0.07	0.01	7.74%	0.96%
Sub-Total: Retail Transmission			0.16			0.16	-0.01	-3.92%	2.14%
Sub-Total: Delivery			3.88			4.89	1.01	26.10%	67.52%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.33%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	0.00	0.00%	0.36%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	3.45%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	5.14%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.93%
Total Bill on Two-Tier RPP (before Taxes)			6.11			7.13	1.01	16.57%	98.33%
HST		0.13	0.79		0.13	0.93	0.13	16.57%	12.78%
Total Bill (including HST)			6.91			8.05	1.14	16.57%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.69		-0.10	-0.81	-0.11	16.57%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			6.22			7.25	1.03	16.57%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.086	4.30	50	0.086	4.30	0.00	0.00%	30.42%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	30.42%
Service Charge	1	1.5	1.50	1	2.42	2.42	0.92	61.33%	17.12%
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	-0.09	-0.09	-0.09	0.00%	-0.64%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.03	0.03	0.03	0.00%	0.21%
Distribution Volumetric Rate	50	0.09986	4.99	50	0.1149	5.75	0.75	15.06%	40.64%
Volumetric Smoothing Rider	50	0	0.00	50	-0.0044	-0.22	-0.22	0.00%	-1.56%
Volumetric Deferral/Variance Account Rider	50	0.00318	0.16	50	0.0005	0.03	-0.13	-84.28%	0.18%
Sub-Total: Distribution (excluding pass through)			6.65			7.91	1.26	18.91%	55.96%
Line Losses on Cost of Power	5	0.09	0.40	5	0.09	0.40	0.00	0.00%	2.80%
Sub-Total: Distribution			7.05			8.31	1.26	17.85%	58.76%
Retail Transmission Rate – Network Service Rate	55	0.00442	0.24	55	0.0039	0.21	-0.03	-11.76%	1.51%
Retail Transmission Rate – Line and Transformation Connection S	55	0.00297	0.16	55	0.0032	0.17	0.01	7.74%	1.24%
Sub-Total: Retail Transmission			0.40			0.39	-0.02	-3.92%	2.74%
Sub-Total: Delivery			7.45			8.69	1.24	16.67%	61.50%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.70%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.46%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.77%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.93%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.48%
Total Bill on Two-Tier RPP (before Taxes)			12.66			13.90	1.24	9.81%	98.33%
HST		0.13	1.65		0.13	1.81	0.16	9.81%	12.78%
Total Bill (including HST)			14.30			15.71	1.40	9.81%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.43		-0.10	-1.57	-0.14	9.81%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			12.87			14.14	1.26	9.81%	100.00%

2015 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.086	17.20	200	0.086	17.20	0.00	0.00%	35.41%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17.20			17.20	0.00	0.00%	35.41%
Service Charge	1	1.5	1.50	1	2.42	2.42	0.92	61.33%	4.98%
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	-0.09	-0.09	-0.09	0.00%	-0.19%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.03	0.03	0.03	0.00%	0.06%
Distribution Volumetric Rate	200	0.09986	19.97	200	0.1149	22.98	3.01	15.06%	47.31%
Volumetric Smoothing Rider	200	0	0.00	200	-0.0044	-0.88	-0.88	0.00%	-1.81%
Volumetric Deferral/Variance Account Rider	200	0.00318	0.64	200	0.0005	0.10	-0.54	-84.28%	0.21%
Sub-Total: Distribution (excluding pass through)			22.11			24.56	2.45	11.09%	50.56%
Line Losses on Cost of Power	18	0.09	1.58	18	0.09	1.58	0.00	0.00%	3.26%
Sub-Total: Distribution			23.69			26.14	2.45	10.35%	53.82%
Retail Transmission Rate – Network Service Rate	218	0.00442	0.97	218	0.0039	0.85	-0.11	-11.76%	1.75%
Retail Transmission Rate – Line and Transformation Connection S	218	0.00297	0.65	218	0.0032	0.70	0.05	7.74%	1.44%
Sub-Total: Retail Transmission			1.61			1.55	-0.06	-3.92%	3.19%
Sub-Total: Delivery			25.30			27.69	2.39	9.44%	57.01%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.98%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.51%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	3.03%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.88%
Total Bill on Two-Tier RPP (before Taxes)			45.38			47.77	2.39	5.26%	98.33%
HST		0.13	5.90		0.13	6.21	0.31	5.26%	12.78%
Total Bill (including HST)			51.28			53.98	2.70	5.26%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.13		-0.10	-5.40	-0.27	5.26%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			46.15			48.58	2.43	5.26%	100.00%

2015 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	15.96%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	15.96%
Service Charge	1	29.69	29.69	1	39.41	39.41	9.72	32.74%	73.14%
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	-1.51	-1.51	-1.51	0.00%	-2.80%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.35	0.35	0.35	0.00%	0.65%
Distribution Volumetric Rate	100	0.04025	4.03	100	0.0307	3.07	-0.96	-23.73%	5.70%
Volumetric Smoothing Rider	100	0	0.00	100	-0.0012	-0.12	-0.12	0.00%	-0.22%
Volumetric Deferral/Variance Account Rider	100	0.00115	0.12	100	0.0000	0.00	-0.12	-100.00%	0.00%
Sub-Total: Distribution (excluding pass through)			33.83			41.20	7.37	21.79%	76.46%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	1.47%
Sub-Total: Distribution			34.62			41.99	7.37	21.29%	77.93%
Retail Transmission Rate – Network Service Rate	109	0.00527	0.58	109	0.0046	0.50	-0.07	-12.71%	0.93%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0035	0.38	109	0.003	0.33	-0.05	-14.29%	0.61%
Sub-Total: Retail Transmission			0.96			0.83	-0.13	-13.34%	1.54%
Sub-Total: Delivery			35.58			42.82	7.24	20.36%	79.47%
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%	1.60%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.30%
Total Bill on Two-Tier RPP (before Taxes)			45.74			52.98	7.24	15.83%	98.33%
HST		0.13	5.95		0.13	6.89	0.94	15.83%	12.78%
Total Bill (including HST)			51.69			59.87	8.18	15.83%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.17		-0.10	-5.99	-0.82	15.83%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			46.52			53.88	7.37	15.83%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	38.12%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	38.12%
Service Charge	1	29.69	29.69	1	39.41	39.41	9.72	32.74%	34.94%
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	-1.51	-1.51	-1.51	0.00%	-1.34%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.35	0.35	0.35	0.00%	0.31%
Distribution Volumetric Rate	500	0.04025	20.13	500	0.0307	15.35	-4.78	-23.73%	13.61%
Volumetric Smoothing Rider	500	0	0.00	500	-0.0012	-0.60	-0.60	0.00%	-0.53%
Volumetric Deferral/Variance Account Rider	500	0.00115	0.58	500	0.0000	0.00	-0.58	-100.00%	0.00%
Sub-Total: Distribution (excluding pass through)			50.39			53.00	2.61	5.18%	46.99%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.51%
Sub-Total: Distribution			54.35			56.96	2.61	4.80%	50.49%
Retail Transmission Rate – Network Service Rate	546	0.00527	2.88	546	0.0046	2.51	-0.37	-12.71%	2.23%
Retail Transmission Rate – Line and Transformation Connection S	546	0.0035	1.91	546	0.003	1.64	-0.27	-14.29%	1.45%
Sub-Total: Retail Transmission			4.79			4.15	-0.64	-13.34%	3.68%
Sub-Total: Delivery			59.13			61.11	1.97	3.33%	54.17%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.13%
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%	2.93%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.10%
Total Bill on Two-Tier RPP (before Taxes)			108.94			110.91	1.97	1.81%	98.33%
HST		0.13	14.16		0.13	14.42	0.26	1.81%	12.78%
Total Bill (including HST)			123.10			125.33	2.23	1.81%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.31		-0.10	-12.53	-0.22	1.81%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			110.79			112.80	2.00	1.81%	100.00%

2015 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	33.65%
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.17%
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	46.83%
Service Charge	1	29.69	29.69	1	39.41	39.41	9.72	32.74%	20.56%
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	-1.51	-1.51	-1.51	0.00%	-0.79%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.35	0.35	0.35	0.00%	0.18%
Distribution Volumetric Rate	1,000	0.04025	40.25	1,000	0.0307	30.70	-9.55	-23.73%	16.02%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0012	-1.20	-1.20	0.00%	-0.63%
Volumetric Deferral/Variance Account Rider	1,000	0.00115	1.15	1,000	0.0000	0.00	-1.15	-100.00%	0.00%
Sub-Total: Distribution (excluding pass through)			71.09			67.75	-3.34	-4.70%	35.35%
Line Losses on Cost of Power	92	0.10	9.29	92	0.10	9.29	0.00	0.00%	4.85%
Sub-Total: Distribution			80.38			77.04	-3.34	-4.16%	40.20%
Retail Transmission Rate – Network Service Rate	1,092	0.00527	5.75	1,092	0.0046	5.02	-0.73	-12.71%	2.62%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.0035	3.82	1,092	0.003	3.28	-0.55	-14.29%	1.71%
Sub-Total: Retail Transmission			9.58			8.30	-1.28	-13.34%	4.33%
Sub-Total: Delivery			89.96			85.34	-4.62	-5.13%	44.53%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.51%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	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%	0.13%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.32%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.65%
Total Bill on Two-Tier RPP (before Taxes)			193.07			188.46	-4.62	-2.39%	98.33%
HST		0.13	25.10		0.13	24.50	-0.60	-2.39%	12.78%
Total Bill (including HST)			218.17			212.96	-5.22	-2.39%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.82		-0.10	-21.30	0.52	-2.39%	-11.11%
Total Bill on Two-Tier RPP (including HST and OCEB)			196.36			191.66	-4.70	-2.39%	100.00%

2015 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.086	1,368.69	15,915	0.086	1,368.69	0.00	0.00%	46.61%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,368.69			1,368.69	0.00	0.00%	46.61%
Service Charge	1	52.27	52.27	1	83.96	83.96	31.69	60.63%	2.86%
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	-3.21	-3.21	-3.21	0.00%	-0.11%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.65	0.65	0.65	0.00%	0.02%
Distribution Volumetric Rate	60	11.433	685.98	60	13.7208	823.25	137.27	20.01%	28.03%
Volumetric Smoothing Rider	60	0	0.00	60	-0.5244	-31.46	-31.46	0.00%	-1.07%
Volumetric Deferral/Variance Account Rider	60	0.098	5.88	60	0.0144	0.86	-5.02	-85.31%	0.03%
Sub-Total: Distribution			748.05			874.05	126.00	16.84%	29.76%
Retail Transmission Rate – Network Service Rate	60	1.81	108.60	60	1.6422	98.53	-10.07	-9.27%	3.36%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.18	70.80	60	1.0516	63.10	-7.70	-10.88%	2.15%
Sub-Total: Retail Transmission			179.40			161.63	-17.77	-9.91%	5.50%
Sub-Total: Delivery			927.45			1,035.68	108.23	11.67%	35.27%
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%	3.04%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.58%
Total Bill (before Taxes)			2,490.51			2,598.74	108.23	4.35%	88.50%
HST		0.13	323.77		0.13	337.84	14.07	4.35%	11.50%
Total Bill (including HST)			2,814.28			2,936.58	122.30	4.35%	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)			2,814.28			2,936.58	122.30	4.35%	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)	37,135	0.086	3,193.61	37,135	0.086	3,193.61	0.00	0.00%	50.14%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,193.61			3,193.61	0.00	0.00%	50.14%
Service Charge	1	52.27	52.27	1	83.96	83.96	31.69	60.63%	1.32%
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	-3.21	-3.21	-3.21	0.00%	-0.05%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.65	0.65	0.65	0.00%	0.01%
Distribution Volumetric Rate	120	11.433	1,371.96	120	13.7208	1,646.50	274.54	20.01%	25.85%
Volumetric Smoothing Rider	120	0	0.00	120	-0.5244	-62.93	-62.93	0.00%	-0.99%
Volumetric Deferral/Variance Account Rider	120	0.098	11.76	120	0.0144	1.73	-10.03	-85.31%	0.03%
Sub-Total: Distribution			1,439.91			1,666.70	226.79	15.75%	26.17%
Retail Transmission Rate – Network Service Rate	120	1.81	217.20	120	1.6422	197.06	-20.14	-9.27%	3.09%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.18	141.60	120	1.0516	126.19	-15.41	-10.88%	1.98%
Sub-Total: Retail Transmission			358.80			323.26	-35.54	-9.91%	5.08%
Sub-Total: Delivery			1,798.71			1,989.95	191.24	10.63%	31.24%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.57%
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%	3.27%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.85%
Total Bill (before Taxes)			5,445.53			5,636.77	191.24	3.51%	88.50%
HST		0.13	707.92		0.13	732.78	24.86	3.51%	11.50%
Total Bill (including HST)			6,153.44			6,369.55	216.10	3.51%	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)			6,153.44			6,369.55	216.10	3.51%	100.00%

2015 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.086	15,968.05	185,675	0.086	15,968.05	0.00	0.00%	53.80%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,968.05			15,968.05	0.00	0.00%	53.80%
Service Charge	1	52.27	52.27	1	83.96	83.96	31.69	60.63%	0.28%
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	-3.21	-3.21	-3.21	0.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.65	0.65	0.65	0.00%	0.00%
Distribution Volumetric Rate	500	11.433	5,716.50	500	13.7208	6,860.40	1,143.90	20.01%	23.11%
Volumetric Smoothing Rider	500	0	0.00	500	-0.5244	-262.20	-262.20	0.00%	-0.88%
Volumetric Deferral/Variance Account Rider	500	0.098	49.00	500	0.0144	7.20	-41.80	-85.31%	0.02%
Sub-Total: Distribution			5,821.69			6,686.80	865.11	14.86%	22.53%
Retail Transmission Rate – Network Service Rate	500	1.81	905.00	500	1.6422	821.10	-83.90	-9.27%	2.77%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.18	590.00	500	1.0516	525.80	-64.20	-10.88%	1.77%
Sub-Total: Retail Transmission			1,495.00			1,346.90	-148.10	-9.91%	4.54%
Sub-Total: Delivery			7,316.69			8,033.70	717.01	9.80%	27.07%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.75%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.50%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.13%
Total Bill (before Taxes)			25,549.77			26,266.78	717.01	2.81%	88.50%
HST		0.13	3,321.47		0.13	3,414.68	93.21	2.81%	11.50%
Total Bill (including HST)			28,871.24			29,681.46	810.22	2.81%	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)			28,871.24			29,681.46	810.22	2.81%	100.00%

2015 Bill Impacts (Low Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	15,000
Peak (kW)	60
Loss factor-Current	1.061
Loss factor-Proposed	1.050
Load factor	34%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted - Current	15,915
Monthly Consumption (kWh) - Uplifted - Proposed	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)	15,915	0.086	1,368.69	15,750	0.086	1,354.50	-14.19	-1.04%	52.59%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,368.69			1,354.50	-14.19	-1.04%	52.59%
Service Charge	1	28.71	28.71	1	85.01	85.01	56.30	196.10%	3.30%
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	-3.25	-3.25	-3.25	0.00%	-0.13%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.66	0.66	0.66	0.00%	0.03%
Distribution Volumetric Rate	60	6.935	416.10	60	7.8589	471.53	55.43	13.32%	18.31%
Volumetric Smoothing Rider	60	0	0.00	60	-0.3004	-18.02	-18.02	0.00%	-0.70%
Volumetric Deferral/Variance Account Rider	60	-0.093	-5.58	60	-0.0434	-2.60	2.98	-53.33%	-0.10%
Sub-Total: Distribution			443.15			533.33	90.18	20.35%	20.71%
Retail Transmission Rate – Network Service Rate	60	1.89	113.40	60	2.0313	121.88	8.48	7.48%	4.73%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.24	74.40	60	1.2711	76.27	1.87	2.51%	2.96%
Sub-Total: Retail Transmission			187.80			198.14	10.34	5.51%	7.69%
Sub-Total: Delivery			630.95			731.47	100.52	15.93%	28.40%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,750	0.0044	69.30	-0.73	-1.04%	2.69%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,750	0.0012	18.90	-0.20	-1.04%	0.73%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			89.37			88.45	-0.92	-1.03%	3.43%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.08%
Total Bill (before Taxes)			2,194.01			2,279.42	85.41	3.89%	88.50%
HST		0.13	285.22		0.13	296.32	11.10	3.89%	11.50%
Total Bill (including HST)			2,479.24			2,575.74	96.51	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 (including HST and OCEB)			2,479.24			2,575.74	96.51	3.89%	100.00%

2015 Bill Impacts (Typical Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	35,000
Peak (kW)	120
Loss factor-Current	1.061
Loss factor-Proposed	1.050
Load factor	40%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted - Current	37,135
Monthly Consumption (kWh) - Uplifted - Proposed	36,750
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)	37,135	0.086	3,193.61	36,750	0.086	3,160.50	-33.11	-1.04%	56.03%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,193.61			3,160.50	-33.11	-1.04%	56.03%
Service Charge	1	28.71	28.71	1	85.01	85.01	56.30	196.10%	1.51%
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	-3.25	-3.25	-3.25	0.00%	-0.06%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.66	0.66	0.66	0.00%	0.01%
Distribution Volumetric Rate	120	6.935	832.20	120	7.8589	943.07	110.87	13.32%	16.72%
Volumetric Smoothing Rider	120	0	0.00	120	-0.3004	-36.05	-36.05	0.00%	-0.64%
Volumetric Deferral/Variance Account Rider	120	-0.093	-11.16	120	-0.0434	-5.21	5.95	-53.33%	-0.09%
Sub-Total: Distribution			853.67			984.23	130.56	15.29%	17.45%
Retail Transmission Rate – Network Service Rate	120	1.89	226.80	120	2.0313	243.76	16.96	7.48%	4.32%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.24	148.80	120	1.2711	152.53	3.73	2.51%	2.70%
Sub-Total: Retail Transmission			375.60			396.29	20.69	5.51%	7.03%
Sub-Total: Delivery			1,229.27			1,380.52	151.25	12.30%	24.47%
Wholesale Market Service Rate	37,135	0.0044	163.39	36,750	0.0044	161.70	-1.69	-1.04%	2.87%
Rural Rate Protection Charge	37,135	0.0012	44.56	36,750	0.0012	44.10	-0.46	-1.04%	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			208.21			206.05	-2.16	-1.04%	3.65%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.34%
Total Bill (before Taxes)			4,876.09			4,992.07	115.98	2.38%	88.50%
HST		0.13	633.89		0.13	648.97	15.08	2.38%	11.50%
Total Bill (including HST)			5,509.98			5,641.04	131.06	2.38%	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)			5,509.98			5,641.04	131.06	2.38%	100.00%

2015 Bill Impacts (High Consumption Level)

Rate Class	UGd
Monthly Consumption (kWh)	175,000
Peak (kW)	500
Loss factor-Current	1.061
Loss factor-Proposed	1.050
Load factor	48%
Commodity Threshold	0
Monthly Consumption (kWh) - Uplifted - Current	185,675
Monthly Consumption (kWh) - Uplifted - Proposed	183,750
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)	185,675	0.086	15,968.05	183,750	0.086	15,802.50	-165.55	-1.04%	59.39%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,968.05			15,802.50	-165.55	-1.04%	59.39%
Service Charge	1	28.71	28.71	1	85.01	85.01	56.30	196.10%	0.32%
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	-3.25	-3.25	-3.25	0.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	0.66	0.66	0.66	0.00%	0.00%
Distribution Volumetric Rate	500	6.935	3,467.50	500	7.8589	3,929.45	461.95	13.32%	14.77%
Volumetric Smoothing Rider	500	0	0.00	500	-0.3004	-150.20	-150.20	0.00%	-0.56%
Volumetric Deferral/Variance Account Rider	500	-0.093	-46.50	500	-0.0434	-21.70	24.80	-53.33%	-0.08%
Sub-Total: Distribution			3,453.63			3,839.97	386.34	11.19%	14.43%
Retail Transmission Rate – Network Service Rate	500	1.89	945.00	500	2.0313	1,015.65	70.65	7.48%	3.82%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.24	620.00	500	1.2711	635.55	15.55	2.51%	2.39%
Sub-Total: Retail Transmission			1,565.00			1,651.20	86.20	5.51%	6.21%
Sub-Total: Delivery			5,018.63			5,491.17	472.54	9.42%	20.64%
Wholesale Market Service Rate	185,675	0.0044	816.97	183,750	0.0044	808.50	-8.47	-1.04%	3.04%
Rural Rate Protection Charge	185,675	0.0012	222.81	183,750	0.0012	220.50	-2.31	-1.04%	0.83%
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			1,029.25	-10.78	-1.04%	3.87%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.60%
Total Bill (before Taxes)			23,251.71			23,547.92	296.21	1.27%	88.50%
HST		0.13	3,022.72		0.13	3,061.23	38.51	1.27%	11.50%
Total Bill (including HST)			26,274.43			26,609.15	334.72	1.27%	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)			26,274.43			26,609.15	334.72	1.27%	100.00%

2015 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)	318	0.086	27.37	318	0.086	27.37	0.00	0.00%	10.30%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			27.37			27.37	0.00	0.00%	10.30%
Service Charge	1	38.13	38.13	1	168.02	168.02	129.89	340.65%	63.22%
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	-6.42	-6.42	-6.42	0.00%	-2.42%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	1.72	1.72	1.72	0.00%	0.65%
Distribution Volumetric Rate	10	5.951	59.51	10	3.2651	32.65	-26.86	-45.13%	12.28%
Volumetric Smoothing Rider	10	0	0.00	10	-0.1248	-1.25	-1.25	0.00%	-0.47%
Volumetric Deferral/Variance Account Rider	10	0.179	1.79	10	0.0047	0.05	-1.74	-97.37%	0.02%
Sub-Total: Distribution			103.35			194.77	91.42	88.46%	73.28%
Retail Transmission Rate – Network Service Rate	10	0.38	3.80	10	0.5491	5.49	1.69	44.50%	2.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.24	2.40	10	0.3443	3.44	1.04	43.46%	1.30%
Sub-Total: Retail Transmission			6.20			8.93	2.73	44.10%	3.36%
Sub-Total: Delivery			109.55			203.70	94.15	85.95%	76.64%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.53%
Rural Rate Protection Charge	318	0.0012	0.38	318	0.0012	0.38	0.00	0.00%	0.14%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.09%
Sub-Total: Regulatory			2.03			2.03	0.00	0.00%	0.76%
Debt Retirement Charge (DRC)	300	0.007	2.10	300	0.007	2.10	0.00	0.00%	0.79%
Total Bill (before Taxes)			141.06			235.21	94.15	66.75%	88.50%
HST		0.13	18.34		0.13	30.58	12.24	66.75%	11.50%
Total Bill (including HST)			159.39			265.79	106.39	66.75%	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)			159.39			265.79	106.39	66.75%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.086	182.49	2,122	0.086	182.49	0.00	0.00%	35.67%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			182.49			182.49	0.00	0.00%	35.67%
Service Charge	1	38.13	38.13	1	168.02	168.02	129.89	340.65%	32.84%
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	-6.42	-6.42	-6.42	0.00%	-1.25%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	1.72	1.72	1.72	0.00%	0.34%
Distribution Volumetric Rate	20	5.951	119.02	20	3.2651	65.30	-53.72	-45.13%	12.77%
Volumetric Smoothing Rider	20	0	0.00	20	-0.1248	-2.50	-2.50	0.00%	-0.49%
Volumetric Deferral/Variance Account Rider	20	0.179	3.58	20	0.0047	0.09	-3.49	-97.37%	0.02%
Sub-Total: Distribution			164.65			226.22	61.57	37.39%	44.22%
Retail Transmission Rate – Network Service Rate	20	0.38	7.60	20	0.5491	10.98	3.38	44.50%	2.15%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.24	4.80	20	0.3443	6.89	2.09	43.46%	1.35%
Sub-Total: Retail Transmission			12.40			17.87	5.47	44.10%	3.49%
Sub-Total: Delivery			177.05			244.09	67.04	37.86%	47.71%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.83%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.50%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	2.37%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.74%
Total Bill (before Taxes)			385.68			452.71	67.04	17.38%	88.50%
HST		0.13	50.14		0.13	58.85	8.71	17.38%	11.50%
Total Bill (including HST)			435.81			511.57	75.75	17.38%	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)			435.81			511.57	75.75	17.38%	100.00%

2015 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.086	456.23	5,305	0.086	456.23	0.00	0.00%	37.10%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			456.23			456.23	0.00	0.00%	37.10%
Service Charge	1	38.13	38.13	1	168.02	168.02	129.89	340.65%	13.66%
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	-6.42	-6.42	-6.42	0.00%	-0.52%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	1.72	1.72	1.72	0.00%	0.14%
Distribution Volumetric Rate	100	5.951	595.10	100	3.2651	326.51	-268.59	-45.13%	26.55%
Volumetric Smoothing Rider	100	0	0.00	100	-0.1248	-12.48	-12.48	0.00%	-1.01%
Volumetric Deferral/Variance Account Rider	100	0.179	17.90	100	0.0047	0.47	-17.43	-97.37%	0.04%
Sub-Total: Distribution			655.05			477.82	-177.23	-27.06%	38.85%
Retail Transmission Rate – Network Service Rate	100	0.38	38.00	100	0.5491	54.91	16.91	44.50%	4.46%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.24	24.00	100	0.3443	34.43	10.43	43.46%	2.80%
Sub-Total: Retail Transmission			62.00			89.34	27.34	44.10%	7.26%
Sub-Total: Delivery			717.05			567.16	-149.89	-20.90%	46.12%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.90%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	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%	0.02%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	2.44%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.85%
Total Bill (before Taxes)			1,238.24			1,088.35	-149.89	-12.11%	88.50%
HST		0.13	160.97		0.13	141.49	-19.49	-12.11%	11.50%
Total Bill (including HST)			1,399.21			1,229.83	-169.38	-12.11%	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)			1,399.21			1,229.83	-169.38	-12.11%	100.00%

2015 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.086	17,784.80	206,800	0.086	17,784.80	0.00	0.00%	62.53%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,784.80			17,784.80	0.00	0.00%	62.53%
Service Charge	1	771.32	771.32	1	1129.23	1,129.23	357.91	46.40%	3.97%
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	-32.96	-32.96	-32.96	0.00%	-0.12%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	6.54	6.54	6.54	0.00%	0.02%
Distribution Volumetric Rate	500	0.682	341.00	500	1.1227	561.35	220.35	64.62%	1.97%
Volumetric Smoothing Rider	500	0	0.00	500	-0.0477	-23.85	-23.85	0.00%	-0.08%
Volumetric Deferral/Variance Account Rider	500	0.307	153.50	500	0.1895	94.75	-58.75	-38.27%	0.33%
Sub-Total: Distribution			1,269.74			1,735.06	465.32	36.65%	6.10%
Retail Transmission Rate – Network Service Rate	500	3.34	1,670.00	500	3.5654	1,782.70	112.70	6.75%	6.27%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.35	1,175.00	500	2.6212	1,310.60	135.60	11.54%	4.61%
Sub-Total: Retail Transmission			2,845.00			3,093.30	248.30	8.73%	10.88%
Sub-Total: Delivery			4,114.74			4,828.36	713.62	17.34%	16.98%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.20%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.07%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.92%
Total Bill (before Taxes)			24,457.87			25,171.49	713.62	2.92%	88.50%
HST		0.13	3,179.52		0.13	3,272.29	92.77	2.92%	11.50%
Total Bill (including HST)			27,637.39			28,443.78	806.39	2.92%	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)			27,637.39			28,443.78	806.39	2.92%	100.00%

2015 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.086	44,462.00	517,000	0.086	44,462.00	0.00	0.00%	66.23%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			44,462.00			44,462.00	0.00	0.00%	66.23%
Service Charge	1	771.32	771.32	1	1129.23	1,129.23	357.91	46.40%	1.68%
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	-32.96	-32.96	-32.96	0.00%	-0.05%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	6.54	6.54	6.54	0.00%	0.01%
Distribution Volumetric Rate	1,000	0.682	682.00	1,000	1.1227	1,122.70	440.70	64.62%	1.67%
Volumetric Smoothing Rider	1,000	0	0.00	1,000	-0.0477	-47.70	-47.70	0.00%	-0.07%
Volumetric Deferral/Variance Account Rider	1,000	0.307	307.00	1,000	0.1895	189.50	-117.50	-38.27%	0.28%
Sub-Total: Distribution			1,764.24			2,367.31	603.07	34.18%	3.53%
Retail Transmission Rate – Network Service Rate	1,000	3.34	3,340.00	1,000	3.5654	3,565.40	225.40	6.75%	5.31%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.35	2,350.00	1,000	2.6212	2,621.20	271.20	11.54%	3.90%
Sub-Total: Retail Transmission			5,690.00			6,186.60	496.60	8.73%	9.22%
Sub-Total: Delivery			7,454.24			8,553.91	1,099.67	14.75%	12.74%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.39%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	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			2,895.45			2,895.45	0.00	0.00%	4.31%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.21%
Total Bill (before Taxes)			58,311.69			59,411.36	1,099.67	1.89%	88.50%
HST		0.13	7,580.52		0.13	7,723.48	142.96	1.89%	11.50%
Total Bill (including HST)			65,892.21			67,134.84	1,242.63	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 (including HST and OCEB)			65,892.21			67,134.84	1,242.63	1.89%	100.00%

2015 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.086	355,696.00	4,136,000	0.086	355,696.00	0.00	0.00%	65.24%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			355,696.00			355,696.00	0.00	0.00%	65.24%
Service Charge	1	771.32	771.32	1	1129.23	1,129.23	357.91	46.40%	0.21%
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	-32.96	-32.96	-32.96	0.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0	0.00	1	6.54	6.54	6.54	0.00%	0.00%
Distribution Volumetric Rate	10,000	0.682	6,820.00	10,000	1.1227	11,227.00	4,407.00	64.62%	2.06%
Volumetric Smoothing Rider	10,000	0	0.00	10,000	-0.0477	-477.00	-477.00	0.00%	-0.09%
Volumetric Deferral/Variance Account Rider	10,000	0.307	3,070.00	10,000	0.1895	1,895.00	-1,175.00	-38.27%	0.35%
Sub-Total: Distribution			10,665.24			13,747.81	3,082.57	28.90%	2.52%
Retail Transmission Rate – Network Service Rate	10,000	3.34	33,400.00	10,000	3.5654	35,654.00	2,254.00	6.75%	6.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.35	23,500.00	10,000	2.6212	26,212.00	2,712.00	11.54%	4.81%
Sub-Total: Retail Transmission			56,900.00			61,866.00	4,966.00	8.73%	11.35%
Sub-Total: Delivery			67,565.24			75,613.81	8,048.57	11.91%	13.87%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.34%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.91%
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			23,161.85			23,161.85	0.00	0.00%	4.25%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.14%
Total Bill (before Taxes)			474,423.09			482,471.66	8,048.57	1.70%	88.50%
HST		0.13	61,675.00		0.13	62,721.32	1,046.31	1.70%	11.50%
Total Bill (including HST)			536,098.09			545,192.98	9,094.88	1.70%	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)			536,098.09			545,192.98	9,094.88	1.70%	100.00%

2016 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	24.38%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	24.38%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		13.34%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		5.60%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		6.75%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	26.21%	25.70%
Service Charge	1	20.45	20.45	1	21.02	21.02	0.57	2.79%	59.58%	58.43%
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	-0.98	-0.98	-0.20	25.64%	-2.78%	-2.72%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.68%	0.67%
Distribution Volumetric Rate	100	0.0176	1.76	100	0.0182	1.82	0.06	3.41%	5.16%	5.06%
Volumetric Smoothing Rider	100	-0.0007	-0.07	100	-0.0008	-0.08	-0.01	14.29%	-0.23%	-0.22%
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)			21.60			22.01	0.41	1.90%	62.39%	61.18%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.24%	2.20%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.09	0.49	6	0.09	0.49	0.00	0.00%	1.39%	1.36%
Line Losses on Cost of Power (based on TOU prices)	6	0.09	0.53	6	0.09	0.53	0.00	0.00%	1.49%	1.47%
Sub-Total: Distribution (based on two-tier RPP prices)			22.88			23.29	0.41	1.79%	66.02%	64.74%
Sub-Total: Distribution (based on TOU prices)			22.92			23.33	0.41	1.79%	66.12%	64.84%
Retail Transmission Rate – Network Service Rate	106	0.0071	0.75	106	0.0071	0.75	0.00	0.00%	2.13%	2.09%
Retail Transmission Rate – Line and Transformation Connection	106	0.0048	0.51	106	0.0048	0.51	0.00	0.00%	1.44%	1.41%
Sub-Total: Retail Transmission			1.26			1.26	0.00	0.00%	3.57%	3.50%
Sub-Total: Delivery (based on two-tier RPP prices)			24.14			24.55	0.41	1.70%	69.58%	68.24%
Sub-Total: Delivery (based on TOU prices)			24.17			24.58	0.41	1.70%	69.69%	68.34%
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%	2.39%	2.34%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.98%	1.95%
Total Bill on Two-Tier RPP (before Taxes)			34.28			34.69	0.41	1.20%	98.33%	
HST		0.13	4.46		0.13	4.51	0.05	1.20%	12.78%	
Total Bill (including HST)			38.74			39.20	0.46	1.20%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.87		-0.10	-3.92	-0.05	1.20%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			34.86			35.28	0.42	1.20%	100.00%	
Total Bill on TOU (before Taxes)			34.96			35.37	0.41	1.17%		98.33%
HST		0.13	4.55		0.13	4.60	0.05	1.17%	12.78%	
Total Bill (including HST)			39.51			39.97	0.46	1.17%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.95		-0.10	-4.00	-0.05	1.17%	-11.11%	
Total Bill on TOU (including OCEB)			35.56			35.97	0.42	1.17%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	845.6
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	38.45%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	15.05%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	53.50%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		28.23%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		11.86%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		14.29%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	55.11%	54.38%
Service Charge	1	20.45	20.45	1	21.02	21.02	0.57	2.79%	15.66%	15.45%
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	-0.98	-0.98	-0.20	25.64%	-0.73%	-0.72%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.18%	0.18%
Distribution Volumetric Rate	800	0.0176	14.08	800	0.0182	14.56	0.48	3.41%	10.85%	10.70%
Volumetric Smoothing Rider	800	-0.0007	-0.56	800	-0.0008	-0.64	-0.08	14.29%	-0.48%	-0.47%
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)			33.36			34.12	0.76	2.28%	25.42%	25.09%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.59%	0.58%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.10	4.61	46	0.10	4.61	0.00	0.00%	3.43%	3.39%
Line Losses on Cost of Power (based on TOU prices)	46	0.09	4.22	46	0.09	4.22	0.00	0.00%	3.14%	3.10%
Sub-Total: Distribution (based on two-tier RPP prices)			38.76			39.52	0.76	1.96%	29.44%	29.05%
Sub-Total: Distribution (based on TOU prices)			38.37			39.13	0.76	1.98%	29.15%	28.77%
Retail Transmission Rate – Network Service Rate	846	0.0071	6.00	846	0.0071	6.00	0.00	0.00%	4.47%	4.41%
Retail Transmission Rate – Line and Transformation Connection	846	0.0048	4.06	846	0.0048	4.06	0.00	0.00%	3.02%	2.98%
Sub-Total: Retail Transmission			10.06			10.06	0.00	0.00%	7.50%	7.40%
Sub-Total: Delivery (based on two-tier RPP prices)			48.82			49.58	0.76	1.56%	36.94%	36.45%
Sub-Total: Delivery (based on TOU prices)			48.43			49.19	0.76	1.57%	36.65%	36.16%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.77%	2.74%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	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%	0.19%	0.18%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.71%	3.67%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.17%	4.12%
Total Bill on Two-Tier RPP (before Taxes)			131.20			131.96	0.76	0.58%	98.33%	
HST		0.13	17.06		0.13	17.16	0.10	0.58%	12.78%	
Total Bill (including HST)			148.26			149.12	0.86	0.58%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.83		-0.10	-14.91	-0.09	0.58%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			133.43			134.21	0.77	0.58%	100.00%	
Total Bill on TOU (before Taxes)			132.98			133.74	0.76	0.57%		98.33%
HST		0.13	17.29		0.13	17.39	0.10	0.57%		12.78%
Total Bill (including HST)			150.27			151.13	0.86	0.57%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.03		-0.10	-15.11	-0.09	0.57%		-11.11%
Total Bill on TOU (including OCEB)			135.24			136.02	0.77	0.57%		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	0.086	51.60	600	0.086	51.60	0.00	0.00%	16.29%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	44.64%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	60.94%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		31.22%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		13.11%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.80%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	58.39%	60.13%
Service Charge	1	20.45	20.45	1	21.02	21.02	0.57	2.79%	6.64%	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	-0.78	-0.78	1	-0.98	-0.98	-0.20	25.64%	-0.31%	-0.32%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.24	0.24	-0.01	-4.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.0176	35.20	2,000	0.0182	36.40	1.20	3.41%	11.49%	11.84%
Volumetric Smoothing Rider	2,000	-0.0007	-1.40	2,000	-0.0008	-1.60	-0.20	14.29%	-0.51%	-0.52%
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)			53.52			54.88	1.36	2.54%	17.33%	17.85%
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)	114	0.10	11.51	114	0.10	11.51	0.00	0.00%	3.64%	3.74%
Line Losses on Cost of Power (based on TOU prices)	114	0.09	10.54	114	0.09	10.54	0.00	0.00%	3.33%	3.43%
Sub-Total: Distribution (based on two-tier RPP prices)			65.82			67.18	1.36	2.07%	21.21%	21.85%
Sub-Total: Distribution (based on TOU prices)			64.85			66.21	1.36	2.10%	20.90%	21.53%
Retail Transmission Rate – Network Service Rate	2,114	0.0071	15.01	2,114	0.0071	15.01	0.00	0.00%	4.74%	4.88%
Retail Transmission Rate – Line and Transformation Connection \$	2,114	0.0048	10.15	2,114	0.0048	10.15	0.00	0.00%	3.20%	3.30%
Sub-Total: Retail Transmission			25.16			25.16	0.00	0.00%	7.94%	8.18%
Sub-Total: Delivery (based on two-tier RPP prices)			90.98			92.34	1.36	1.49%	29.15%	30.03%
Sub-Total: Delivery (based on TOU prices)			90.01			91.37	1.36	1.51%	28.85%	29.71%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	2.94%	3.02%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	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			12.09			12.09	0.00	0.00%	3.82%	3.93%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.42%	4.55%
Total Bill on Two-Tier RPP (before Taxes)			310.07			311.43	1.36	0.44%	98.33%	
HST		0.13	40.31		0.13	40.49	0.18	0.44%	12.78%	
Total Bill (including HST)			350.38			351.91	1.54	0.44%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.04		-0.10	-35.19	-0.15	0.44%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			315.34			316.72	1.38	0.44%	100.00%	
Total Bill on TOU (before Taxes)			301.02			302.38	1.36	0.45%		98.33%
HST		0.13	39.13		0.13	39.31	0.18	0.45%		12.78%
Total Bill (including HST)			340.15			341.68	1.54	0.45%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.01		-0.10	-34.17	-0.15	0.45%		-11.11%
Total Bill on TOU (including OCEB)			306.13			307.52	1.38	0.45%		100.00%

2016 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	19.10%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	19.10%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		10.49%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		4.41%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		5.31%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	20.53%	20.21%
Service Charge	1	28.16	28.16	1	29.44	29.44	1.28	4.55%	65.37%	64.36%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.08	-1.08	1	-1.37	-1.37	-0.29	26.85%	-3.04%	-3.00%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.67%	0.66%
Distribution Volumetric Rate	100	0.0311	3.11	100	0.0326	3.26	0.15	4.82%	7.24%	7.13%
Volumetric Smoothing Rider	100	-0.0012	-0.12	100	-0.0015	-0.15	-0.03	25.00%	-0.33%	-0.33%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			30.37			31.48	1.11	3.65%	69.90%	68.82%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.75%	1.73%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.09	0.65	8	0.09	0.65	0.00	0.00%	1.45%	1.43%
Line Losses on Cost of Power (based on TOU prices)	8	0.09	0.70	8	0.09	0.70	0.00	0.00%	1.56%	1.54%
Sub-Total: Distribution (based on two-tier RPP prices)			31.81			32.92	1.11	3.49%	73.11%	71.98%
Sub-Total: Distribution (based on TOU prices)			31.86			32.97	1.11	3.48%	73.22%	72.09%
Retail Transmission Rate – Network Service Rate	108	0.0066	0.71	108	0.0066	0.71	0.00	0.00%	1.58%	1.55%
Retail Transmission Rate – Line and Transformation Connection	108	0.0046	0.49	108	0.0046	0.49	0.00	0.00%	1.10%	1.08%
Sub-Total: Retail Transmission			1.21			1.21	0.00	0.00%	2.68%	2.63%
Sub-Total: Delivery (based on two-tier RPP prices)			33.02			34.13	1.11	3.36%	75.78%	74.61%
Sub-Total: Delivery (based on TOU prices)			33.07			34.18	1.11	3.36%	75.89%	74.72%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.05%	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%	1.89%	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)			43.17			44.28	1.11	2.57%	98.33%	
HST		0.13	5.61		0.13	5.76	0.14	2.57%	12.78%	
Total Bill (including HST)			48.78			50.04	1.25	2.57%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.88		-0.10	-5.00	-0.13	2.57%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			43.91			45.03	1.13	2.57%	100.00%	
Total Bill on TOU (before Taxes)			43.87			44.98	1.11	2.53%		98.33%
HST		0.13	5.70		0.13	5.85	0.14	2.53%		12.78%
Total Bill (including HST)			49.57			50.82	1.25	2.53%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.96		-0.10	-5.08	-0.13	2.53%		-11.11%
Total Bill on TOU (including OCEB)			44.61			45.74	1.13	2.53%		100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	33.32%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	13.04%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	46.36%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		24.53%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		10.30%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		12.42%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	47.76%	47.25%
Service Charge	1	28.16	28.16	1	29.44	29.44	1.28	4.55%	19.01%	18.80%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.08	-1.08	1	-1.37	-1.37	-0.29	26.85%	-0.88%	-0.88%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.19%	0.19%
Distribution Volumetric Rate	800	0.0311	24.88	800	0.0326	26.08	1.20	4.82%	16.84%	16.66%
Volumetric Smoothing Rider	800	-0.0012	-0.96	800	-0.0015	-1.20	-0.24	25.00%	-0.77%	-0.77%
Volumetric Deferral/Variance Account Rider	800	0.0000	0.00	800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			51.30			53.25	1.95	3.80%	34.38%	34.01%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.51%	0.50%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.10	6.14	61	0.10	6.14	0.00	0.00%	3.96%	3.92%
Line Losses on Cost of Power (based on TOU prices)	61	0.09	5.62	61	0.09	5.62	0.00	0.00%	3.63%	3.59%
Sub-Total: Distribution (based on two-tier RPP prices)			58.23			60.18	1.95	3.35%	38.86%	38.44%
Sub-Total: Distribution (based on TOU prices)			57.71			59.66	1.95	3.38%	38.52%	38.11%
Retail Transmission Rate – Network Service Rate	861	0.0066	5.68	861	0.0066	5.68	0.00	0.00%	3.67%	3.63%
Retail Transmission Rate – Line and Transformation Connection	861	0.0046	3.96	861	0.0046	3.96	0.00	0.00%	2.56%	2.53%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	6.22%	6.16%
Sub-Total: Delivery (based on two-tier RPP prices)			67.87			69.82	1.95	2.87%	45.08%	44.60%
Sub-Total: Delivery (based on TOU prices)			67.35			69.30	1.95	2.90%	44.75%	44.27%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.45%	2.42%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.67%	0.66%
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%	3.27%	3.24%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.62%	3.58%
Total Bill on Two-Tier RPP (before Taxes)			150.34			152.29	1.95	1.30%	98.33%	
HST		0.13	19.54		0.13	19.80	0.25	1.30%	12.78%	
Total Bill (including HST)			169.89			172.09	2.20	1.30%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-16.99		-0.10	-17.21	-0.22	1.30%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			152.90			154.88	1.98	1.30%	100.00%	
Total Bill on TOU (before Taxes)			151.99			153.94	1.95	1.28%		98.33%
HST		0.13	19.76		0.13	20.01	0.25	1.28%		12.78%
Total Bill (including HST)			171.75			173.95	2.20	1.28%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.17		-0.10	-17.40	-0.22	1.28%		-11.11%
Total Bill on TOU (including OCEB)			154.57			156.56	1.98	1.28%		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	0.086	51.60	600	0.086	51.60	0.00	0.00%	14.49%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	39.71%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	54.20%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		27.70%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.64%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		14.02%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	51.93%	53.36%
Service Charge	1	28.16	28.16	1	29.44	29.44	1.28	4.55%	8.27%	8.50%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.08	-1.08	1	-1.37	-1.37	-0.29	26.85%	-0.38%	-0.40%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.08%	0.09%
Distribution Volumetric Rate	2,000	0.0311	62.20	2,000	0.0326	65.20	3.00	4.82%	18.31%	18.82%
Volumetric Smoothing Rider	2,000	-0.0012	-2.40	2,000	-0.0015	-3.00	-0.60	25.00%	-0.84%	-0.87%
Volumetric Deferral/Variance Account Rider	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			87.18			90.57	3.39	3.89%	25.44%	26.14%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.10	15.35	152	0.10	15.35	0.00	0.00%	4.31%	4.43%
Line Losses on Cost of Power (based on TOU prices)	152	0.09	14.05	152	0.09	14.05	0.00	0.00%	3.95%	4.06%
Sub-Total: Distribution (based on two-tier RPP prices)			103.32			106.71	3.39	3.28%	29.97%	30.79%
Sub-Total: Distribution (based on TOU prices)			102.02			105.41	3.39	3.32%	29.61%	30.42%
Retail Transmission Rate – Network Service Rate	2,152	0.0066	14.20	2,152	0.0066	14.20	0.00	0.00%	3.99%	4.10%
Retail Transmission Rate – Line and Transformation Connection	2,152	0.0046	9.90	2,152	0.0046	9.90	0.00	0.00%	2.78%	2.86%
Sub-Total: Retail Transmission			24.10			24.10	0.00	0.00%	6.77%	6.96%
Sub-Total: Delivery (based on two-tier RPP prices)			127.42			130.81	3.39	2.66%	36.74%	37.75%
Sub-Total: Delivery (based on TOU prices)			126.13			129.52	3.39	2.69%	36.37%	37.38%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.66%	2.73%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.73%	0.75%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Sub-Total: Regulatory			12.30			12.30	0.00	0.00%	3.45%	3.55%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.93%	4.04%
Total Bill on Two-Tier RPP (before Taxes)			346.73			350.12	3.39	0.98%	98.33%	
HST		0.13	45.07		0.13	45.52	0.44	0.98%	12.78%	
Total Bill (including HST)			391.80			395.63	3.83	0.98%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.18		-0.10	-39.56	-0.38	0.98%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			352.62			356.07	3.45	0.98%	100.00%	
Total Bill on TOU (before Taxes)			337.35			340.74	3.39	1.00%		98.33%
HST		0.13	43.86		0.13	44.30	0.44	1.00%		12.78%
Total Bill (including HST)			381.20			385.03	3.83	1.00%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.12		-0.10	-38.50	-0.38	1.00%		-11.11%
Total Bill on TOU (including OCEB)			343.08			346.53	3.45	1.00%		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	0.086	8.60	100	0.086	8.60	0.00	0.00%	14.65%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	14.65%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		8.07%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		3.39%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		4.09%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	15.75%	15.55%
Service Charge	1	37.46	37.46	1	42.74	42.74	5.28	14.10%	72.79%	71.90%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-2.6	-2.60	1	-3.41	-3.41	-0.81	31.15%	-5.81%	-5.74%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.58	0.58	0.00	0.00%	0.99%	0.98%
Distribution Volumetric Rate	100	0.0457	4.57	100	0.0497	4.97	0.40	8.75%	8.46%	8.36%
Volumetric Smoothing Rider	100	-0.0017	-0.17	100	-0.0023	-0.23	-0.06	35.29%	-0.39%	-0.39%
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)			39.85			44.66	4.81	12.07%	76.06%	75.13%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.35%	1.33%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	0.90	11	0.09	0.90	0.00	0.00%	1.54%	1.52%
Line Losses on Cost of Power (based on TOU prices)	11	0.09	0.97	11	0.09	0.97	0.00	0.00%	1.65%	1.63%
Sub-Total: Distribution (based on two-tier RPP prices)			41.54			46.35	4.81	11.58%	78.94%	77.98%
Sub-Total: Distribution (based on TOU prices)			41.61			46.42	4.81	11.56%	79.06%	78.09%
Retail Transmission Rate – Network Service Rate	111	0.0065	0.72	111	0.0065	0.72	0.00	0.00%	1.22%	1.21%
Retail Transmission Rate – Line and Transformation Connection	111	0.0045	0.50	111	0.0045	0.50	0.00	0.00%	0.85%	0.84%
Sub-Total: Retail Transmission			1.22			1.22	0.00	0.00%	2.07%	2.04%
Sub-Total: Delivery (based on two-tier RPP prices)			42.76			47.57	4.81	11.25%	81.01%	80.02%
Sub-Total: Delivery (based on TOU prices)			42.83			47.64	4.81	11.23%	81.13%	80.14%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.83%	0.82%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	0.00	0.00%	0.23%	0.22%
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%	1.48%	1.46%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.19%	1.18%
Total Bill on Two-Tier RPP (before Taxes)			52.93			57.74	4.81	9.09%	98.33%	
HST		0.13	6.88		0.13	7.51	0.63	9.09%	12.78%	
Total Bill (including HST)			59.81			65.24	5.44	9.09%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.98		-0.10	-6.52	-0.54	9.09%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			53.83			58.72	4.89	9.09%	100.00%	
Total Bill on TOU (before Taxes)			53.64			58.45	4.81	8.97%		98.33%
HST		0.13	6.97		0.13	7.60	0.63	8.97%		12.78%
Total Bill (including HST)			60.61			66.05	5.44	8.97%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.06		-0.10	-6.60	-0.54	8.97%		-11.11%
Total Bill on TOU (including OCEB)			54.55			59.44	4.89	8.97%		100.00%

2016 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	884
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	28.26%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	11.06%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	39.33%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		20.87%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		8.76%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		10.56%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	40.52%	40.19%
Service Charge	1	37.46	37.46	1	42.74	42.74	5.28	14.10%	23.41%	23.22%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-2.6	-2.60	1	-3.41	-3.41	-0.81	31.15%	-1.87%	-1.85%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.58	0.58	0.00	0.00%	0.32%	0.32%
Distribution Volumetric Rate	800	0.0457	36.56	800	0.0497	39.76	3.20	8.75%	21.78%	21.60%
Volumetric Smoothing Rider	800	-0.0017	-1.36	800	-0.0023	-1.84	-0.48	35.29%	-1.01%	-1.00%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			70.72			77.91	7.19	10.17%	42.68%	42.33%
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	0.10	8.48	84	0.10	8.48	0.00	0.00%	4.65%	4.61%
Line Losses on Cost of Power (based on TOU prices)	84	0.09	7.77	84	0.09	7.77	0.00	0.00%	4.25%	4.22%
Sub-Total: Distribution (based on two-tier RPP prices)			79.99			87.18	7.19	8.99%	47.76%	47.37%
Sub-Total: Distribution (based on TOU prices)			79.28			86.47	7.19	9.07%	47.36%	46.98%
Retail Transmission Rate – Network Service Rate	884	0.0065	5.75	884	0.0065	5.75	0.00	0.00%	3.15%	3.12%
Retail Transmission Rate – Line and Transformation Connection	884	0.0045	3.98	884	0.0045	3.98	0.00	0.00%	2.18%	2.16%
Sub-Total: Retail Transmission			9.72			9.72	0.00	0.00%	5.33%	5.28%
Sub-Total: Delivery (based on two-tier RPP prices)			89.72			96.91	7.19	8.01%	53.08%	52.66%
Sub-Total: Delivery (based on TOU prices)			89.00			96.19	7.19	8.08%	52.69%	52.27%
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%	2.83%
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)			172.32			179.51	7.19	4.17%	98.33%	
HST		0.13	22.40		0.13	23.34	0.93	4.17%	12.78%	
Total Bill (including HST)			194.72			202.84	8.12	4.17%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.47		-0.10	-20.28	-0.81	4.17%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			175.25			182.56	7.31	4.17%	100.00%	
Total Bill on TOU (before Taxes)			173.77			180.96	7.19	4.14%		98.33%
HST		0.13	22.59		0.13	23.52	0.93	4.14%		12.78%
Total Bill (including HST)			196.36			204.48	8.12	4.14%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.64		-0.10	-20.45	-0.81	4.14%		-11.11%
Total Bill on TOU (including OCEB)			176.72			184.04	7.31	4.14%		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	0.086	51.60	600	0.086	51.60	0.00	0.00%	12.66%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	34.69%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	47.34%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		24.14%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		10.14%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		12.22%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	45.36%	46.51%
Service Charge	1	37.46	37.46	1	42.74	42.74	5.28	14.10%	10.48%	10.75%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-2.6	-2.60	1	-3.41	-3.41	-0.81	31.15%	-0.84%	-0.86%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.58	0.58	0.00	0.00%	0.14%	0.15%
Distribution Volumetric Rate	2,000	0.0457	91.40	2,000	0.0497	99.40	8.00	8.75%	24.38%	25.00%
Volumetric Smoothing Rider	2,000	-0.0017	-3.40	2,000	-0.0023	-4.60	-1.20	35.29%	-1.13%	-1.16%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			123.64			134.91	11.27	9.12%	33.09%	33.93%
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	0.10	21.21	210	0.10	21.21	0.00	0.00%	5.20%	5.33%
Line Losses on Cost of Power (based on TOU prices)	210	0.09	19.42	210	0.09	19.42	0.00	0.00%	4.76%	4.88%
Sub-Total: Distribution (based on two-tier RPP prices)			145.64			156.91	11.27	7.74%	38.49%	39.46%
Sub-Total: Distribution (based on TOU prices)			143.85			155.12	11.27	7.83%	38.05%	39.01%
Retail Transmission Rate – Network Service Rate	2,210	0.0065	14.37	2,210	0.0065	14.37	0.00	0.00%	3.52%	3.61%
Retail Transmission Rate – Line and Transformation Connection	2,210	0.0045	9.95	2,210	0.0045	9.95	0.00	0.00%	2.44%	2.50%
Sub-Total: Retail Transmission			24.31			24.31	0.00	0.00%	5.96%	6.11%
Sub-Total: Delivery (based on two-tier RPP prices)			169.95			181.22	11.27	6.63%	44.45%	45.58%
Sub-Total: Delivery (based on TOU prices)			168.16			179.43	11.27	6.70%	44.01%	45.13%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.39%	2.45%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	0.00	0.00%	0.65%	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			12.63			12.63	0.00	0.00%	3.10%	3.18%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.43%	3.52%
Total Bill on Two-Tier RPP (before Taxes)			389.58			400.85	11.27	2.89%	98.33%	
HST		0.13	50.64		0.13	52.11	1.47	2.89%	12.78%	
Total Bill (including HST)			440.22			452.96	12.74	2.89%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.02		-0.10	-45.30	-1.27	2.89%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			396.20			407.66	11.46	2.89%	100.00%	
Total Bill on TOU (before Taxes)			379.70			390.97	11.27	2.97%		98.33%
HST		0.13	49.36		0.13	50.83	1.47	2.97%		12.78%
Total Bill (including HST)			429.06			441.80	12.74	2.97%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-42.91		-0.10	-44.18	-1.27	2.97%		-11.11%
Total Bill on TOU (including OCEB)			386.16			397.62	11.46	2.97%		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	0.086	4.30	50	0.086	4.30	0.00	0.00%	10.83%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	10.83%	
TOU-Off Peak	32	0.075	2.40	32	0.075	2.40	0.00	0.00%		5.99%
TOU-Mid Peak	9	0.112	1.01	9	0.112	1.01	0.00	0.00%		2.51%
TOU-On Peak	9	0.135	1.22	9	0.135	1.22	0.00	0.00%		3.03%
Sub-Total: Energy (TOU)			4.62			4.62	0.00	0.00%	11.64%	11.53%
Service Charge	1	26.57	26.57	1	28.45	28.45	1.88	7.08%	71.63%	70.98%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.02	-1.02	1	-1.33	-1.33	-0.31	30.39%	-3.35%	-3.32%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.70%	0.70%
Distribution Volumetric Rate	50	0.0905	4.53	50	0.0978	4.89	0.37	8.07%	12.31%	12.20%
Volumetric Smoothing Rider	50	-0.0035	-0.18	50	-0.0046	-0.23	-0.06	31.43%	-0.58%	-0.57%
Volumetric Deferral/Variance Account Rider	50	0.0004	0.02	50	0.0004	0.02	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			30.20			32.08	1.88	6.23%	80.76%	80.03%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.99%	1.97%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.45	5	0.09	0.45	0.00	0.00%	1.13%	1.12%
Line Losses on Cost of Power (based on TOU prices)	5	0.09	0.48	5	0.09	0.48	0.00	0.00%	1.21%	1.20%
Sub-Total: Distribution (based on two-tier RPP prices)			31.44			33.32	1.88	5.98%	83.88%	83.12%
Sub-Total: Distribution (based on TOU prices)			31.47			33.35	1.88	5.97%	83.96%	83.20%
Retail Transmission Rate – Network Service Rate	55	0.0053	0.29	55	0.0053	0.29	0.00	0.00%	0.74%	0.73%
Retail Transmission Rate – Line and Transformation Connection	55	0.0043	0.24	55	0.0043	0.24	0.00	0.00%	0.60%	0.59%
Sub-Total: Retail Transmission			0.53			0.53	0.00	0.00%	1.33%	1.32%
Sub-Total: Delivery (based on two-tier RPP prices)			31.97			33.85	1.88	5.88%	85.21%	84.44%
Sub-Total: Delivery (based on TOU prices)			32.00			33.88	1.88	5.87%	85.30%	84.53%
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%	0.62%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.41%	1.39%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.88%	0.87%
Total Bill on Two-Tier RPP (before Taxes)			37.18			39.06	1.88	5.06%	98.33%	
HST		0.13	4.83		0.13	5.08	0.24	5.06%	12.78%	
Total Bill (including HST)			42.01			44.13	2.12	5.06%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.20		-0.10	-4.41	-0.21	5.06%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			37.81			39.72	1.91	5.06%	100.00%	
Total Bill on TOU (before Taxes)			37.53			39.41	1.88	5.01%		98.33%
HST		0.13	4.88		0.13	5.12	0.24	5.01%		12.78%
Total Bill (including HST)			42.41			44.54	2.12	5.01%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.24		-0.10	-4.45	-0.21	5.01%		-11.11%
Total Bill on TOU (including OCEB)			38.17			40.08	1.91	5.01%		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	0.086	34.40	400	0.086	34.40	0.00	0.00%	29.84%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			34.40			34.40	0.00	0.00%	29.84%	
TOU-Off Peak	256	0.075	19.20	256	0.075	19.20	0.00	0.00%		16.24%
TOU-Mid Peak	72	0.112	8.06	72	0.112	8.06	0.00	0.00%		6.82%
TOU-On Peak	72	0.135	9.72	72	0.135	9.72	0.00	0.00%		8.22%
Sub-Total: Energy (TOU)			36.98			36.98	0.00	0.00%	32.08%	31.29%
Service Charge	1	26.57	26.57	1	28.45	28.45	1.88	7.08%	24.68%	24.07%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.02	-1.02	1	-1.33	-1.33	-0.31	30.39%	-1.15%	-1.13%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.24%	0.24%
Distribution Volumetric Rate	400	0.0905	36.20	400	0.0978	39.12	2.92	8.07%	33.93%	33.10%
Volumetric Smoothing Rider	400	-0.0035	-1.40	400	-0.0046	-1.84	-0.44	31.43%	-1.60%	-1.56%
Volumetric Deferral/Variance Account Rider	400	0.0004	0.16	400	0.0004	0.16	0.00	0.00%	0.14%	0.14%
Sub-Total: Distribution (excluding pass through)			60.79			64.84	4.05	6.66%	56.24%	54.86%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.69%	0.67%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.58	42	0.09	3.58	0.00	0.00%	3.10%	3.03%
Line Losses on Cost of Power (based on TOU prices)	42	0.09	3.85	42	0.09	3.85	0.00	0.00%	3.34%	3.25%
Sub-Total: Distribution (based on two-tier RPP prices)			65.16			69.21	4.05	6.22%	60.03%	58.55%
Sub-Total: Distribution (based on TOU prices)			65.43			69.48	4.05	6.19%	60.26%	58.78%
Retail Transmission Rate – Network Service Rate	442	0.0053	2.34	442	0.0053	2.34	0.00	0.00%	2.03%	1.98%
Retail Transmission Rate – Line and Transformation Connection	442	0.0043	1.90	442	0.0043	1.90	0.00	0.00%	1.65%	1.61%
Sub-Total: Retail Transmission			4.24			4.24	0.00	0.00%	3.68%	3.59%
Sub-Total: Delivery (based on two-tier RPP prices)			69.40			73.45	4.05	5.84%	63.70%	62.14%
Sub-Total: Delivery (based on TOU prices)			69.67			73.72	4.05	5.81%	63.94%	62.37%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.69%	1.64%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.46%	0.45%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%	0.21%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.36%	2.30%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.43%	2.37%
Total Bill on Two-Tier RPP (before Taxes)			109.32			113.37	4.05	3.70%	98.33%	
HST		0.13	14.21		0.13	14.74	0.53	3.70%	12.78%	
Total Bill (including HST)			123.53			128.11	4.58	3.70%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.35		-0.10	-12.81	-0.46	3.70%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			111.18			115.30	4.12	3.70%	100.00%	
Total Bill on TOU (before Taxes)			112.17			116.22	4.05	3.61%		98.33%
HST		0.13	14.58		0.13	15.11	0.53	3.61%		12.78%
Total Bill (including HST)			126.76			131.33	4.58	3.61%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.68		-0.10	-13.13	-0.46	3.61%		-11.11%
Total Bill on TOU (including OCEB)			114.08			118.20	4.12	3.61%		100.00%

2016 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	20.43%	
Energy Second Tier (kWh)	400	0.101	40.40	400	0.101	40.40	0.00	0.00%	16.00%	
Sub-Total: Energy (RPP)			92.00			92.00	0.00	0.00%	36.43%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		19.04%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		8.00%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		9.64%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	36.61%	36.67%
Service Charge	1	26.57	26.57	1	28.45	28.45	1.88	7.08%	11.27%	11.28%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.02	-1.02	1	-1.33	-1.33	-0.31	30.39%	-0.53%	-0.53%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.11%	0.11%
Distribution Volumetric Rate	1,000	0.0905	90.50	1,000	0.0978	97.80	7.30	8.07%	38.73%	38.79%
Volumetric Smoothing Rider	1,000	-0.0035	-3.50	1,000	-0.0046	-4.60	-1.10	31.43%	-1.82%	-1.82%
Volumetric Deferral/Variance Account Rider	1,000	0.0004	0.40	1,000	0.0004	0.40	0.00	0.00%	0.16%	0.16%
Sub-Total: Distribution (excluding pass through)			113.23			121.00	7.77	6.86%	47.91%	47.99%
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	0.10	10.50	104	0.10	10.50	0.00	0.00%	4.16%	4.17%
Line Losses on Cost of Power (based on TOU prices)	104	0.09	9.62	104	0.09	9.62	0.00	0.00%	3.81%	3.81%
Sub-Total: Distribution (based on two-tier RPP prices)			124.52			132.29	7.77	6.24%	52.38%	52.47%
Sub-Total: Distribution (based on TOU prices)			123.64			131.41	7.77	6.28%	52.03%	52.12%
Retail Transmission Rate – Network Service Rate	1,104	0.0053	5.85	1,104	0.0053	5.85	0.00	0.00%	2.32%	2.32%
Retail Transmission Rate – Line and Transformation Connection	1,104	0.0043	4.75	1,104	0.0043	4.75	0.00	0.00%	1.88%	1.88%
Sub-Total: Retail Transmission			10.60			10.60	0.00	0.00%	4.20%	4.20%
Sub-Total: Delivery (based on two-tier RPP prices)			135.12			142.89	7.77	5.75%	56.58%	56.68%
Sub-Total: Delivery (based on TOU prices)			134.23			142.00	7.77	5.79%	56.23%	56.33%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.92%	1.93%
Rural Rate Protection Charge	1,104	0.0012	1.32	1,104	0.0012	1.32	0.00	0.00%	0.52%	0.53%
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%	2.55%	2.55%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.77%	2.78%
Total Bill on Two-Tier RPP (before Taxes)			240.55			248.32	7.77	3.23%	98.33%	
HST		0.13	31.27		0.13	32.28	1.01	3.23%	12.78%	
Total Bill (including HST)			271.83			280.61	8.78	3.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.18		-0.10	-28.06	-0.88	3.23%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			244.64			252.55	7.90	3.23%	100.00%	
Total Bill on TOU (before Taxes)			240.13			247.90	7.77	3.24%		98.33%
HST		0.13	31.22		0.13	32.23	1.01	3.24%		12.78%
Total Bill (including HST)			271.34			280.12	8.78	3.24%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-27.13		-0.10	-28.01	-0.88	3.24%		-11.11%
Total Bill on TOU (including OCEB)			244.21			252.11	7.90	3.24%		100.00%

2016 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	30.20%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	11.82%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	42.02%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		22.27%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		9.35%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		11.27%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	43.29%	42.90%
Service Charge	1	30.08	30.08	1	32.32	32.32	2.24	7.45%	15.13%	15.00%
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	-1.51	-1.51	-0.36	31.30%	-0.71%	-0.70%
Fixed Deferral/Variance Account Rider	1	0.31	0.31	1	0.30	0.30	-0.01	-3.23%	0.14%	0.14%
Distribution Volumetric Rate	1,000	0.0538	53.80	1,000	0.0576	57.60	3.80	7.06%	26.97%	26.72%
Volumetric Smoothing Rider	1,000	-0.0021	-2.10	1,000	-0.0027	-2.70	-0.60	28.57%	-1.26%	-1.25%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			81.04			86.11	5.07	6.26%	40.31%	39.95%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.37%	0.37%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.10	9.70	96	0.10	9.70	0.00	0.00%	4.54%	4.50%
Line Losses on Cost of Power (based on TOU prices)	96	0.09	8.88	96	0.09	8.88	0.00	0.00%	4.16%	4.12%
Sub-Total: Distribution (based on two-tier RPP prices)			91.53			96.60	5.07	5.54%	45.22%	44.82%
Sub-Total: Distribution (based on TOU prices)			90.71			95.78	5.07	5.59%	44.84%	44.44%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	2.98%	2.95%
Retail Transmission Rate – Line and Transformation Connection	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.85%	1.83%
Sub-Total: Retail Transmission			10.30			10.30	0.00	0.00%	4.82%	4.78%
Sub-Total: Delivery (based on two-tier RPP prices)			101.83			106.90	5.07	4.98%	50.04%	49.60%
Sub-Total: Delivery (based on TOU prices)			101.01			106.08	5.07	5.02%	49.66%	49.22%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.26%	2.24%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.62%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.12%	0.12%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	2.99%	2.96%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.28%	3.25%
Total Bill on Two-Tier RPP (before Taxes)			204.97			210.04	5.07	2.47%	98.33%	
HST		0.13	26.65		0.13	27.30	0.66	2.47%	12.78%	
Total Bill (including HST)			231.61			237.34	5.73	2.47%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.16		-0.10	-23.73	-0.57	2.47%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			208.45			213.61	5.16	2.47%	100.00%	
Total Bill on TOU (before Taxes)			206.86			211.93	5.07	2.45%		98.33%
HST		0.13	26.89		0.13	27.55	0.66	2.45%		12.78%
Total Bill (including HST)			233.75			239.48	5.73	2.45%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.37		-0.10	-23.95	-0.57	2.45%		-11.11%
Total Bill on TOU (including OCEB)			210.37			215.53	5.16	2.45%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	15.89%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	31.10%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	46.99%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		24.10%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		10.12%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		12.20%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	45.55%	46.42%
Service Charge	1	30.08	30.08	1	32.32	32.32	2.24	7.45%	7.96%	8.11%
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	-1.51	-1.51	-0.36	31.30%	-0.37%	-0.38%
Fixed Deferral/Variance Account Rider	1	0.31	0.31	1	0.30	0.30	-0.01	-3.23%	0.07%	0.08%
Distribution Volumetric Rate	2,000	0.0538	107.60	2,000	0.0576	115.20	7.60	7.06%	28.38%	28.92%
Volumetric Smoothing Rider	2,000	-0.0021	-4.20	2,000	-0.0027	-5.40	-1.20	28.57%	-1.33%	-1.36%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			132.84			141.11	8.27	6.23%	34.76%	35.42%
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	0.10	19.39	192	0.10	19.39	0.00	0.00%	4.78%	4.87%
Line Losses on Cost of Power (based on TOU prices)	192	0.09	17.75	192	0.09	17.75	0.00	0.00%	4.37%	4.46%
Sub-Total: Distribution (based on two-tier RPP prices)			153.02			161.29	8.27	5.40%	39.73%	40.49%
Sub-Total: Distribution (based on TOU prices)			151.38			159.65	8.27	5.46%	39.33%	40.08%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	3.13%	3.19%
Retail Transmission Rate – Line and Transformation Connection	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.94%	1.98%
Sub-Total: Retail Transmission			20.60			20.60	0.00	0.00%	5.08%	5.17%
Sub-Total: Delivery (based on two-tier RPP prices)			173.63			181.90	8.27	4.76%	44.81%	45.66%
Sub-Total: Delivery (based on TOU prices)			171.99			180.26	8.27	4.81%	44.40%	45.25%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.38%	2.42%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.65%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.53			12.53	0.00	0.00%	3.09%	3.14%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.45%	3.51%
Total Bill on Two-Tier RPP (before Taxes)			390.90			399.17	8.27	2.12%	98.33%	
HST		0.13	50.82		0.13	51.89	1.08	2.12%	12.78%	
Total Bill (including HST)			441.72			451.06	9.35	2.12%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.17		-0.10	-45.11	-0.93	2.12%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			397.55			405.96	8.41	2.12%	100.00%	
Total Bill on TOU (before Taxes)			383.43			391.70	8.27	2.16%		98.33%
HST		0.13	49.85		0.13	50.92	1.08	2.16%		12.78%
Total Bill (including HST)			433.28			442.62	9.35	2.16%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-43.33		-0.10	-44.26	-0.93	2.16%		-11.11%
Total Bill on TOU (including OCEB)			389.95			398.36	8.41	2.16%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.04%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	45.50%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	47.54%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		23.85%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		10.02%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		12.07%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	43.85%	45.94%
Service Charge	1	30.08	30.08	1	32.32	32.32	2.24	7.45%	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	-1.15	-1.15	1	-1.51	-1.51	-0.36	31.30%	-0.05%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.31	0.31	1	0.30	0.30	-0.01	-3.23%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0538	807.00	15,000	0.0576	864.00	57.00	7.06%	27.32%	28.62%
Volumetric Smoothing Rider	15,000	-0.0021	-31.50	15,000	-0.0027	-40.50	-9.00	28.57%	-1.28%	-1.34%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			806.24			856.11	49.87	6.19%	27.07%	28.36%
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	0.10	145.44	1,440	0.10	145.44	0.00	0.00%	4.60%	4.82%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.09	133.14	1,440	0.09	133.14	0.00	0.00%	4.21%	4.41%
Sub-Total: Distribution (based on two-tier RPP prices)			952.47			1,002.34	49.87	5.24%	31.69%	33.20%
Sub-Total: Distribution (based on TOU prices)			940.17			990.04	49.87	5.30%	31.30%	32.79%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	3.01%	3.16%
Retail Transmission Rate – Line and Transformation Connection	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.87%	1.96%
Sub-Total: Retail Transmission			154.54			154.54	0.00	0.00%	4.89%	5.12%
Sub-Total: Delivery (based on two-tier RPP prices)			1,107.01			1,156.88	49.87	4.50%	36.58%	38.32%
Sub-Total: Delivery (based on TOU prices)			1,094.71			1,144.58	49.87	4.56%	36.19%	37.91%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.29%	2.40%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.62%	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%	2.92%	3.06%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.32%	3.48%
Total Bill on Two-Tier RPP (before Taxes)			2,808.07			2,857.94	49.87	1.78%	90.36%	
HST		0.13	365.05		0.13	371.53	6.48	1.78%	11.75%	
Total Bill (including HST)			3,173.12			3,229.47	56.35	1.78%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-65.18		-0.10	-66.48	-1.30	1.99%	-2.10%	
Total Bill on Two-Tier RPP (including OCEB)			3,107.94			3,162.99	55.06	1.77%	100.00%	
Total Bill on TOU (before Taxes)			2,678.92			2,728.79	49.87	1.86%		90.39%
HST		0.13	348.26		0.13	354.74	6.48	1.86%		11.75%
Total Bill (including HST)			3,027.18			3,083.54	56.35	1.86%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-63.28		-0.10	-64.58	-1.30	2.05%		-2.14%
Total Bill on TOU (including OCEB)			2,963.90			3,018.96	55.06	1.86%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	37.47%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	14.67%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	52.14%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		27.54%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		11.57%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		13.94%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	53.71%	53.04%
Service Charge	1	23.15	23.15	1	24.76	24.76	1.61	6.95%	14.38%	14.20%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.88	-0.88	1	-1.15	-1.15	-0.27	30.68%	-0.67%	-0.66%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.15%	0.14%
Distribution Volumetric Rate	1,000	0.024	24.00	1,000	0.0255	25.50	1.50	6.25%	14.81%	14.63%
Volumetric Smoothing Rider	1,000	-0.0009	-0.90	1,000	-0.0012	-1.20	-0.30	33.33%	-0.70%	-0.69%
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)			45.52			48.06	2.54	5.58%	27.92%	27.57%
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	0.10	6.77	67	0.10	6.77	0.00	0.00%	3.93%	3.88%
Line Losses on Cost of Power (based on TOU prices)	67	0.09	6.19	67	0.09	6.19	0.00	0.00%	3.60%	3.55%
Sub-Total: Distribution (based on two-tier RPP prices)			53.08			55.62	2.54	4.79%	32.31%	31.91%
Sub-Total: Distribution (based on TOU prices)			52.50			55.04	2.54	4.84%	31.98%	31.58%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.84%	3.80%
Retail Transmission Rate – Line and Transformation Connection	1,067	0.0038	4.05	1,067	0.0038	4.05	0.00	0.00%	2.36%	2.33%
Sub-Total: Retail Transmission			10.67			10.67	0.00	0.00%	6.20%	6.12%
Sub-Total: Delivery (based on two-tier RPP prices)			63.75			66.29	2.54	3.98%	38.51%	38.03%
Sub-Total: Delivery (based on TOU prices)			63.17			65.71	2.54	4.02%	38.18%	37.70%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.73%	2.69%
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%	0.15%	0.14%
Sub-Total: Regulatory			6.23			6.23	0.00	0.00%	3.62%	3.57%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	4.07%	4.02%
Total Bill on Two-Tier RPP (before Taxes)			166.72			169.26	2.54	1.52%	98.33%	
HST		0.13	21.67		0.13	22.00	0.33	1.52%	12.78%	
Total Bill (including HST)			188.40			191.27	2.87	1.52%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-18.84		-0.10	-19.13	-0.29	1.52%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			169.56			172.14	2.58	1.52%	100.00%	
Total Bill on TOU (before Taxes)			168.86			171.40	2.54	1.50%		98.33%
HST		0.13	21.95		0.13	22.28	0.33	1.50%		12.78%
Total Bill (including HST)			190.81			193.68	2.87	1.50%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.08		-0.10	-19.37	-0.29	1.50%		-11.11%
Total Bill on TOU (including OCEB)			171.73			174.31	2.58	1.50%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	19.52%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	38.21%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	57.73%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		29.69%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		12.47%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.03%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	55.97%	57.20%
Service Charge	1	23.15	23.15	1	24.76	24.76	1.61	6.95%	7.49%	7.66%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.88	-0.88	1	-1.15	-1.15	-0.27	30.68%	-0.35%	-0.36%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.024	48.00	2,000	0.0255	51.00	3.00	6.25%	15.44%	15.77%
Volumetric Smoothing Rider	2,000	-0.0009	-1.80	2,000	-0.0012	-2.40	-0.60	33.33%	-0.73%	-0.74%
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)			68.52			72.26	3.74	5.46%	21.87%	22.35%
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	0.10	13.53	134	0.10	13.53	0.00	0.00%	4.10%	4.19%
Line Losses on Cost of Power (based on TOU prices)	134	0.09	12.39	134	0.09	12.39	0.00	0.00%	3.75%	3.83%
Sub-Total: Distribution (based on two-tier RPP prices)			82.84			86.58	3.74	4.51%	26.21%	26.78%
Sub-Total: Distribution (based on TOU prices)			81.70			85.44	3.74	4.58%	25.86%	26.43%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	4.00%	4.09%
Retail Transmission Rate – Line and Transformation Connection	2,134	0.0038	8.11	2,134	0.0038	8.11	0.00	0.00%	2.45%	2.51%
Sub-Total: Retail Transmission			21.34			21.34	0.00	0.00%	6.46%	6.60%
Sub-Total: Delivery (based on two-tier RPP prices)			104.18			107.92	3.74	3.59%	32.66%	33.38%
Sub-Total: Delivery (based on TOU prices)			103.04			106.78	3.74	3.63%	32.32%	33.03%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.84%	2.90%
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%	3.69%	3.77%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.24%	4.33%
Total Bill on Two-Tier RPP (before Taxes)			321.13			324.87	3.74	1.16%	98.33%	
HST		0.13	41.75		0.13	42.23	0.49	1.16%	12.78%	
Total Bill (including HST)			362.88			367.11	4.23	1.16%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.29		-0.10	-36.71	-0.42	1.16%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			326.59			330.40	3.80	1.16%	100.00%	
Total Bill on TOU (before Taxes)			314.16			317.90	3.74	1.19%		98.33%
HST		0.13	40.84		0.13	41.33	0.49	1.19%		12.78%
Total Bill (including HST)			355.00			359.23	4.23	1.19%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.50		-0.10	-35.92	-0.42	1.19%		-11.11%
Total Bill on TOU (including OCEB)			319.50			323.30	3.80	1.19%		100.00%

2016 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.48%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	55.38%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	57.86%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		29.28%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		12.30%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		14.82%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	53.37%	56.40%
Service Charge	1	23.15	23.15	1	24.76	24.76	1.61	6.95%	0.95%	1.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.88	-0.88	1	-1.15	-1.15	-0.27	30.68%	-0.04%	-0.05%
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	0.024	360.00	15,000	0.0255	382.50	22.50	6.25%	14.72%	15.56%
Volumetric Smoothing Rider	15,000	-0.0009	-13.50	15,000	-0.0012	-18.00	-4.50	33.33%	-0.69%	-0.73%
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)			367.52			386.86	19.34	5.26%	14.89%	15.73%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.10	101.51	1,005	0.10	101.51	0.00	0.00%	3.91%	4.13%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.09	92.92	1,005	0.09	92.92	0.00	0.00%	3.58%	3.78%
Sub-Total: Distribution (based on two-tier RPP prices)			469.82			489.16	19.34	4.12%	18.82%	19.89%
Sub-Total: Distribution (based on TOU prices)			461.23			480.57	19.34	4.19%	18.49%	19.54%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.82%	4.04%
Retail Transmission Rate – Line and Transformation Connection	16,005	0.0038	60.82	16,005	0.0038	60.82	0.00	0.00%	2.34%	2.47%
Sub-Total: Retail Transmission			160.05			160.05	0.00	0.00%	6.16%	6.51%
Sub-Total: Delivery (based on two-tier RPP prices)			629.87			649.21	19.34	3.07%	24.98%	26.40%
Sub-Total: Delivery (based on TOU prices)			621.28			640.62	19.34	3.11%	24.65%	26.05%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.71%	2.86%
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%	3.46%	3.66%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	4.04%	4.27%
Total Bill on Two-Tier RPP (before Taxes)			2,328.49			2,347.83	19.34	0.83%	90.34%	
HST		0.13	302.70		0.13	305.22	2.51	0.83%	11.74%	
Total Bill (including HST)			2,631.20			2,653.05	21.85	0.83%	102.09%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-53.74		-0.10	-54.29	-0.56	1.04%	-2.09%	
Total Bill on Two-Tier RPP (including OCEB)			2,577.46			2,598.76	21.30	0.83%	100.00%	
Total Bill on TOU (before Taxes)			2,203.06			2,222.40	19.34	0.88%		90.38%
HST		0.13	286.40		0.13	288.91	2.51	0.88%		11.75%
Total Bill (including HST)			2,489.46			2,511.31	21.85	0.88%		102.13%
Ontario Clean Energy Benefit (OCEB)		-0.10	-51.92		-0.10	-52.48	-0.56	1.08%		-2.13%
Total Bill on TOU (including OCEB)			2,437.54			2,458.84	21.30	0.87%		100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	33.26%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	33.26%
Service Charge	1	4.02	4.02	1	4.39	4.39	0.37	9.20%	16.98%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.15	-0.15	1	-0.2	-0.20	-0.05	33.33%	-0.77%
Fixed Deferral/Variance Account Rider	1	0.04	0.04	1	0.05	0.05	0.01	25.00%	0.19%
Distribution Volumetric Rate	100	0.0907	9.07	100	0.0988	9.88	0.81	8.93%	38.21%
Volumetric Smoothing Rider	100	-0.0035	-0.35	100	-0.0046	-0.46	-0.11	31.43%	-1.78%
Volumetric Deferral/Variance Account Rider	100	0.0004	0.04	100	0.0004	0.04	0.00	0.00%	0.15%
Sub-Total: Distribution (excluding pass through)			12.67			13.70	1.03	8.13%	52.98%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	3.06%
Sub-Total: Distribution			13.46			14.49	1.03	7.65%	56.04%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.65%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	1.35%
Sub-Total: Retail Transmission			0.78			0.78	0.00	0.00%	3.00%
Sub-Total: Delivery			14.24			15.27	1.03	7.23%	59.03%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.86%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	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%	0.97%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.33%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.71%
Total Bill on Two-Tier RPP (before Taxes)			24.40			25.43	1.03	4.22%	98.33%
HST		0.13	3.17		0.13	3.31	0.13	4.22%	12.78%
Total Bill (including HST)			27.57			28.73	1.16	4.22%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.76		-0.10	-2.87	-0.12	4.22%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			24.81			25.86	1.05	4.22%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	38.73%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	38.73%
Service Charge	1	4.02	4.02	1	4.39	4.39	0.37	9.20%	3.95%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.15	-0.15	1	-0.2	-0.20	-0.05	33.33%	-0.18%
Fixed Deferral/Variance Account Rider	1	0.04	0.04	1	0.05	0.05	0.01	25.00%	0.05%
Distribution Volumetric Rate	500	0.0907	45.35	500	0.0988	49.40	4.05	8.93%	44.49%
Volumetric Smoothing Rider	500	-0.0035	-1.75	500	-0.0046	-2.30	-0.55	31.43%	-2.07%
Volumetric Deferral/Variance Account Rider	500	0.0004	0.20	500	0.0004	0.20	0.00	0.00%	0.18%
Sub-Total: Distribution (excluding pass through)			47.71			51.54	3.83	8.03%	46.42%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.56%
Sub-Total: Distribution			51.67			55.50	3.83	7.41%	49.98%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.92%
Retail Transmission Rate – Line and Transformation Connection S	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.57%
Sub-Total: Retail Transmission			3.88			3.88	0.00	0.00%	3.49%
Sub-Total: Delivery			55.54			59.37	3.83	6.90%	53.47%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.16%
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%	2.98%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.15%
Total Bill on Two-Tier RPP (before Taxes)			105.35			109.18	3.83	3.64%	98.33%
HST		0.13	13.70		0.13	14.19	0.50	3.64%	12.78%
Total Bill (including HST)			119.05			123.37	4.33	3.64%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-11.90		-0.10	-12.34	-0.43	3.64%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			107.14			111.04	3.90	3.64%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	14.26%
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	27.91%
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	42.17%
Service Charge	1	4.02	4.02	1	4.39	4.39	0.37	9.20%	0.97%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.15	-0.15	1	-0.2	-0.20	-0.05	33.33%	-0.04%
Fixed Deferral/Variance Account Rider	1	0.04	0.04	1	0.05	0.05	0.01	25.00%	0.01%
Distribution Volumetric Rate	2,000	0.0907	181.40	2,000	0.0988	197.60	16.20	8.93%	43.69%
Volumetric Smoothing Rider	2,000	-0.0035	-7.00	2,000	-0.0046	-9.20	-2.20	31.43%	-2.03%
Volumetric Deferral/Variance Account Rider	2,000	0.0004	0.80	2,000	0.0004	0.80	0.00	0.00%	0.18%
Sub-Total: Distribution (excluding pass through)			179.11			193.44	14.33	8.00%	42.77%
Line Losses on Cost of Power	184	0.10	18.58	184	0.10	18.58	0.00	0.00%	4.11%
Sub-Total: Distribution			197.69			212.02	14.33	7.25%	46.87%
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 S	2,184	0.0032	6.99	2,184	0.0032	6.99	0.00	0.00%	1.55%
Sub-Total: Retail Transmission			15.51			15.51	0.00	0.00%	3.43%
Sub-Total: Delivery			213.20			227.53	14.33	6.72%	50.30%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.12%
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)			430.43			444.76	14.33	3.33%	98.33%
HST		0.13	55.96		0.13	57.82	1.86	3.33%	12.78%
Total Bill (including HST)			486.39			502.58	16.19	3.33%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-48.64		-0.10	-50.26	-1.62	3.33%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			437.75			452.32	14.57	3.33%	100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.086	1.72	20	0.086	1.72	0.00	0.00%	21.93%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.72			1.72	0.00	0.00%	21.93%
Service Charge	1	2.42	2.42	1	2.78	2.78	0.36	14.88%	35.44%
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	-0.13	-0.13	-0.04	44.44%	-1.66%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.38%
Distribution Volumetric Rate	20	0.1149	2.30	20	0.1298	2.60	0.30	12.97%	33.09%
Volumetric Smoothing Rider	20	-0.0044	-0.09	20	-0.006	-0.12	-0.03	36.36%	-1.53%
Volumetric Deferral/Variance Account Rider	20	0.0005	0.01	20	0.0006	0.01	0.00	20.00%	0.15%
Sub-Total: Distribution (excluding pass through)			4.58			5.17	0.59	12.84%	65.88%
Line Losses on Cost of Power	2	0.09	0.16	2	0.09	0.16	0.00	0.00%	2.02%
Sub-Total: Distribution			4.74			5.33	0.59	12.41%	67.90%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	1.09%
Retail Transmission Rate – Line and Transformation Connection S	22	0.0032	0.07	22	0.0032	0.07	0.00	0.00%	0.89%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.98%
Sub-Total: Delivery			4.89			5.48	0.59	12.02%	69.87%
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%	3.19%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	4.75%
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)			7.13			7.71	0.59	8.25%	98.33%
HST		0.13	0.93		0.13	1.00	0.08	8.25%	12.78%
Total Bill (including HST)			8.05			8.72	0.66	8.25%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.81		-0.10	-0.87	-0.07	8.25%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			7.25			7.84	0.60	8.25%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.086	4.30	50	0.086	4.30	0.00	0.00%	28.40%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	28.40%
Service Charge	1	2.42	2.42	1	2.78	2.78	0.36	14.88%	18.36%
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	-0.13	-0.13	-0.04	44.44%	-0.86%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.20%
Distribution Volumetric Rate	50	0.1149	5.75	50	0.1298	6.49	0.75	12.97%	42.86%
Volumetric Smoothing Rider	50	-0.0044	-0.22	50	-0.006	-0.30	-0.08	36.36%	-1.98%
Volumetric Deferral/Variance Account Rider	50	0.0005	0.03	50	0.0006	0.03	0.01	20.00%	0.20%
Sub-Total: Distribution (excluding pass through)			7.91			8.90	0.99	12.52%	58.78%
Line Losses on Cost of Power	5	0.09	0.40	5	0.09	0.40	0.00	0.00%	2.61%
Sub-Total: Distribution			8.31			9.30	0.99	11.92%	61.39%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.41%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0032	0.17	55	0.0032	0.17	0.00	0.00%	1.15%
Sub-Total: Retail Transmission			0.39			0.39	0.00	0.00%	2.56%
Sub-Total: Delivery			8.69			9.68	0.99	11.39%	63.95%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.59%
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)			13.90			14.89	0.99	7.12%	98.33%
HST		0.13	1.81		0.13	1.94	0.13	7.12%	12.78%
Total Bill (including HST)			15.71			16.82	1.12	7.12%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.57		-0.10	-1.68	-0.11	7.12%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			14.14			15.14	1.01	7.12%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.086	17.20	200	0.086	17.20	0.00	0.00%	33.31%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17.20			17.20	0.00	0.00%	33.31%
Service Charge	1	2.42	2.42	1	2.78	2.78	0.36	14.88%	5.38%
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	-0.13	-0.13	-0.04	44.44%	-0.25%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.06%
Distribution Volumetric Rate	200	0.1149	22.98	200	0.1298	25.96	2.98	12.97%	50.28%
Volumetric Smoothing Rider	200	-0.0044	-0.88	200	-0.006	-1.20	-0.32	36.36%	-2.32%
Volumetric Deferral/Variance Account Rider	200	0.0005	0.10	200	0.0006	0.12	0.02	20.00%	0.23%
Sub-Total: Distribution (excluding pass through)			24.56			27.56	3.00	12.21%	53.38%
Line Losses on Cost of Power	18	0.09	1.58	18	0.09	1.58	0.00	0.00%	3.06%
Sub-Total: Distribution			26.14			29.14	3.00	11.48%	56.45%
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 S	218	0.0032	0.70	218	0.0032	0.70	0.00	0.00%	1.35%
Sub-Total: Retail Transmission			1.55			1.55	0.00	0.00%	3.00%
Sub-Total: Delivery			27.69			30.69	3.00	10.83%	59.45%
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%	2.85%
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)			47.77			50.77	3.00	6.28%	98.33%
HST		0.13	6.21		0.13	6.60	0.39	6.28%	12.78%
Total Bill (including HST)			53.98			57.37	3.39	6.28%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.40		-0.10	-5.74	-0.34	6.28%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			48.58			51.63	3.05	6.28%	100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	16.05%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	16.05%
Service Charge	1	39.41	39.41	1	39.52	39.52	0.11	0.28%	73.76%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.51	-1.51	1	-1.84	-1.84	-0.33	21.85%	-3.43%
Fixed Deferral/Variance Account Rider	1	0.35	0.35	1	0.33	0.33	-0.02	-5.71%	0.62%
Distribution Volumetric Rate	100	0.0307	3.07	100	0.0303	3.03	-0.04	-1.30%	5.66%
Volumetric Smoothing Rider	100	-0.0012	-0.12	100	-0.0014	-0.14	-0.02	16.67%	-0.26%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			41.20			40.90	-0.30	-0.73%	76.34%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	1.48%
Sub-Total: Distribution			41.99			41.69	-0.30	-0.71%	77.81%
Retail Transmission Rate – Network Service Rate	109	0.0046	0.50	109	0.0046	0.50	0.00	0.00%	0.94%
Retail Transmission Rate – Line and Transformation Connection S	109	0.003	0.33	109	0.003	0.33	0.00	0.00%	0.61%
Sub-Total: Retail Transmission			0.83			0.83	0.00	0.00%	1.55%
Sub-Total: Delivery			42.82			42.52	-0.30	-0.70%	79.36%
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)			52.98			52.68	-0.30	-0.57%	98.33%
HST		0.13	6.89		0.13	6.85	-0.04	-0.57%	12.78%
Total Bill (including HST)			59.87			59.53	-0.34	-0.57%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.99		-0.10	-5.95	0.03	-0.57%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			53.88			53.58	-0.31	-0.57%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	38.31%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	38.31%
Service Charge	1	39.41	39.41	1	39.52	39.52	0.11	0.28%	35.21%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.51	-1.51	1	-1.84	-1.84	-0.33	21.85%	-1.64%
Fixed Deferral/Variance Account Rider	1	0.35	0.35	1	0.33	0.33	-0.02	-5.71%	0.29%
Distribution Volumetric Rate	500	0.0307	15.35	500	0.0303	15.15	-0.20	-1.30%	13.50%
Volumetric Smoothing Rider	500	-0.0012	-0.60	500	-0.0014	-0.70	-0.10	16.67%	-0.62%
Volumetric Deferral/Variance Account Rider	500	0.0000	0.00	500	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.00			52.46	-0.54	-1.02%	46.74%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.52%
Sub-Total: Distribution			56.96			56.42	-0.54	-0.95%	50.26%
Retail Transmission Rate – Network Service Rate	546	0.0046	2.51	546	0.0046	2.51	0.00	0.00%	2.24%
Retail Transmission Rate – Line and Transformation Connection S	546	0.003	1.64	546	0.003	1.64	0.00	0.00%	1.46%
Sub-Total: Retail Transmission			4.15			4.15	0.00	0.00%	3.70%
Sub-Total: Delivery			61.11			60.57	-0.54	-0.88%	53.96%
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)			110.91			110.37	-0.54	-0.49%	98.33%
HST		0.13	14.42		0.13	14.35	-0.07	-0.49%	12.78%
Total Bill (including HST)			125.33			124.72	-0.61	-0.49%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.53		-0.10	-12.47	0.06	-0.49%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			112.80			112.25	-0.55	-0.49%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	33.80%
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.23%
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	47.04%
Service Charge	1	39.41	39.41	1	39.52	39.52	0.11	0.28%	20.71%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.51	-1.51	1	-1.84	-1.84	-0.33	21.85%	-0.96%
Fixed Deferral/Variance Account Rider	1	0.35	0.35	1	0.33	0.33	-0.02	-5.71%	0.17%
Distribution Volumetric Rate	1,000	0.0307	30.70	1,000	0.0303	30.30	-0.40	-1.30%	15.88%
Volumetric Smoothing Rider	1,000	-0.0012	-1.20	1,000	-0.0014	-1.40	-0.20	16.67%	-0.73%
Volumetric Deferral/Variance Account Rider	1,000	0.0000	0.00	1,000	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			67.75			66.91	-0.84	-1.24%	35.07%
Line Losses on Cost of Power	92	0.10	9.29	92	0.10	9.29	0.00	0.00%	4.87%
Sub-Total: Distribution			77.04			76.20	-0.84	-1.09%	39.94%
Retail Transmission Rate – Network Service Rate	1,092	0.0046	5.02	1,092	0.0046	5.02	0.00	0.00%	2.63%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.003	3.28	1,092	0.003	3.28	0.00	0.00%	1.72%
Sub-Total: Retail Transmission			8.30			8.30	0.00	0.00%	4.35%
Sub-Total: Delivery			85.34			84.50	-0.84	-0.98%	44.29%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.52%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	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%	0.13%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.34%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.67%
Total Bill on Two-Tier RPP (before Taxes)			188.46			187.62	-0.84	-0.45%	98.33%
HST		0.13	24.50		0.13	24.39	-0.11	-0.45%	12.78%
Total Bill (including HST)			212.96			212.01	-0.95	-0.45%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.30		-0.10	-21.20	0.09	-0.45%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			191.66			190.81	-0.85	-0.45%	100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.086	1,368.69	15,915	0.086	1,368.69	0.00	0.00%	45.20%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,368.69			1,368.69	0.00	0.00%	45.20%
Service Charge	1	83.96	83.96	1	91.53	91.53	7.57	9.02%	3.02%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.21	-3.21	1	-4.26	-4.26	-1.05	32.71%	-0.14%
Fixed Deferral/Variance Account Rider	1	0.65	0.65	1	0.65	0.65	0.00	0.00%	0.02%
Distribution Volumetric Rate	60	13.7208	823.25	60	15.1456	908.74	85.49	10.38%	30.01%
Volumetric Smoothing Rider	60	-0.5244	-31.46	60	-0.7057	-42.34	-10.88	34.57%	-1.40%
Volumetric Deferral/Variance Account Rider	60	0.0144	0.86	60	0.016	0.96	0.10	11.11%	0.03%
Sub-Total: Distribution			874.05			955.27	81.23	9.29%	31.54%
Retail Transmission Rate – Network Service Rate	60	1.6422	98.53	60	1.6422	98.53	0.00	0.00%	3.25%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.0516	63.10	60	1.0516	63.10	0.00	0.00%	2.08%
Sub-Total: Retail Transmission			161.63			161.63	0.00	0.00%	5.34%
Sub-Total: Delivery			1,035.68			1,116.90	81.23	7.84%	36.88%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.31%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	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%	0.01%
Sub-Total: Regulatory			89.37			89.37	0.00	0.00%	2.95%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.47%
Total Bill on Two-Tier RPP (before Taxes)			2,598.74			2,679.97	81.23	3.13%	88.50%
HST		0.13	337.84		0.13	348.40	10.56	3.13%	11.50%
Total Bill (including HST)			2,936.58			3,028.36	91.79	3.13%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			2,936.58			3,028.36	91.79	3.13%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	37,135	0.086	3,193.61	37,135	0.086	3,193.61	0.00	0.00%	48.79%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,193.61			3,193.61	0.00	0.00%	48.79%
Service Charge	1	83.96	83.96	1	91.53	91.53	7.57	9.02%	1.40%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.21	-3.21	1	-4.26	-4.26	-1.05	32.71%	-0.07%
Fixed Deferral/Variance Account Rider	1	0.65	0.65	1	0.65	0.65	0.00	0.00%	0.01%
Distribution Volumetric Rate	120	13.7208	1,646.50	120	15.1456	1,817.47	170.98	10.38%	27.77%
Volumetric Smoothing Rider	120	-0.5244	-62.93	120	-0.7057	-84.68	-21.76	34.57%	-1.29%
Volumetric Deferral/Variance Account Rider	120	0.0144	1.73	120	0.016	1.92	0.19	11.11%	0.03%
Sub-Total: Distribution			1,666.70			1,822.63	155.93	9.36%	27.84%
Retail Transmission Rate – Network Service Rate	120	1.6422	197.06	120	1.6422	197.06	0.00	0.00%	3.01%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.0516	126.19	120	1.0516	126.19	0.00	0.00%	1.93%
Sub-Total: Retail Transmission			323.26			323.26	0.00	0.00%	4.94%
Sub-Total: Delivery			1,989.95			2,145.88	155.93	7.84%	32.78%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.50%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	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			208.21			208.21	0.00	0.00%	3.18%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.74%
Total Bill on Two-Tier RPP (before Taxes)			5,636.77			5,792.70	155.93	2.77%	88.50%
HST		0.13	732.78		0.13	753.05	20.27	2.77%	11.50%
Total Bill (including HST)			6,369.55			6,545.75	176.20	2.77%	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 OCEB)			6,369.55			6,545.75	176.20	2.77%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.086	15,968.05	185,675	0.086	15,968.05	0.00	0.00%	52.54%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,968.05			15,968.05	0.00	0.00%	52.54%
Service Charge	1	83.96	83.96	1	91.53	91.53	7.57	9.02%	0.30%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.21	-3.21	1	-4.26	-4.26	-1.05	32.71%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.65	0.65	1	0.65	0.65	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	13.7208	6,860.40	500	15.1456	7,572.80	712.40	10.38%	24.92%
Volumetric Smoothing Rider	500	-0.5244	-262.20	500	-0.7057	-352.85	-90.65	34.57%	-1.16%
Volumetric Deferral/Variance Account Rider	500	0.0144	7.20	500	0.016	8.00	0.80	11.11%	0.03%
Sub-Total: Distribution			6,686.80			7,315.87	629.07	9.41%	24.07%
Retail Transmission Rate – Network Service Rate	500	1.6422	821.10	500	1.6422	821.10	0.00	0.00%	2.70%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.0516	525.80	500	1.0516	525.80	0.00	0.00%	1.73%
Sub-Total: Retail Transmission			1,346.90			1,346.90	0.00	0.00%	4.43%
Sub-Total: Delivery			8,033.70			8,662.77	629.07	7.83%	28.50%
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%	3.42%
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)			26,266.78			26,895.85	629.07	2.39%	88.50%
HST		0.13	3,414.68		0.13	3,496.46	81.78	2.39%	11.50%
Total Bill (including HST)			29,681.46			30,392.31	710.85	2.39%	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 OCEB)			29,681.46			30,392.31	710.85	2.39%	100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,750	0.086	1,354.50	15,750	0.086	1,354.50	0.00	0.00%	51.45%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,354.50			1,354.50	0.00	0.00%	51.45%
Service Charge	1	85.01	85.01	1	92.91	92.91	7.90	9.29%	3.53%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.25	-3.25	1	-4.33	-4.33	-1.08	33.23%	-0.16%
Fixed Deferral/Variance Account Rider	1	0.66	0.66	1	0.66	0.66	0.00	0.00%	0.03%
Distribution Volumetric Rate	60	7.8589	471.53	60	8.6492	518.95	47.42	10.06%	19.71%
Volumetric Smoothing Rider	60	-0.3004	-18.02	60	-0.403	-24.18	-6.16	34.15%	-0.92%
Volumetric Deferral/Variance Account Rider	60	-0.0434	-2.60	60	-0.043	-2.58	0.02	-0.92%	-0.10%
Sub-Total: Distribution			533.33			581.43	48.11	9.02%	22.09%
Retail Transmission Rate – Network Service Rate	60	2.0526	123.16	60	2.0526	123.16	0.00	0.00%	4.68%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2844	77.06	60	1.2844	77.06	0.00	0.00%	2.93%
Sub-Total: Retail Transmission			200.22			200.22	0.00	0.00%	7.61%
Sub-Total: Delivery			733.55			781.65	48.11	6.56%	29.69%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.63%
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%	3.36%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.99%
Total Bill on Two-Tier RPP (before Taxes)			2,281.50			2,329.60	48.11	2.11%	88.50%
HST		0.13	296.59		0.13	302.85	6.25	2.11%	11.50%
Total Bill (including HST)			2,578.09			2,632.45	54.36	2.11%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			2,578.09			2,632.45	54.36	2.11%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.086	3,160.50	36,750	0.086	3,160.50	0.00	0.00%	55.00%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,160.50			3,160.50	0.00	0.00%	55.00%
Service Charge	1	85.01	85.01	1	92.91	92.91	7.90	9.29%	1.62%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.25	-3.25	1	-4.33	-4.33	-1.08	33.23%	-0.08%
Fixed Deferral/Variance Account Rider	1	0.66	0.66	1	0.66	0.66	0.00	0.00%	0.01%
Distribution Volumetric Rate	120	7.8589	943.07	120	8.6492	1,037.90	94.84	10.06%	18.06%
Volumetric Smoothing Rider	120	-0.3004	-36.05	120	-0.403	-48.36	-12.31	34.15%	-0.84%
Volumetric Deferral/Variance Account Rider	120	-0.0434	-5.21	120	-0.043	-5.16	0.05	-0.92%	-0.09%
Sub-Total: Distribution			984.23			1,073.62	89.39	9.08%	18.68%
Retail Transmission Rate – Network Service Rate	120	2.0526	246.31	120	2.0526	246.31	0.00	0.00%	4.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2844	154.13	120	1.2844	154.13	0.00	0.00%	2.68%
Sub-Total: Retail Transmission			400.44			400.44	0.00	0.00%	6.97%
Sub-Total: Delivery			1,384.67			1,474.06	89.39	6.46%	25.65%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.81%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	0.00	0.00%	0.77%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			206.05			206.05	0.00	0.00%	3.59%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.26%
Total Bill on Two-Tier RPP (before Taxes)			4,996.22			5,085.61	89.39	1.79%	88.50%
HST		0.13	649.51		0.13	661.13	11.62	1.79%	11.50%
Total Bill (including HST)			5,645.73			5,746.74	101.01	1.79%	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 OCEB)			5,645.73			5,746.74	101.01	1.79%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.086	15,802.50	183,750	0.086	15,802.50	0.00	0.00%	58.47%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,802.50			15,802.50	0.00	0.00%	58.47%
Service Charge	1	85.01	85.01	1	92.91	92.91	7.90	9.29%	0.34%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.25	-3.25	1	-4.33	-4.33	-1.08	33.23%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.66	0.66	1	0.66	0.66	0.00	0.00%	0.00%
Distribution Volumetric Rate	500	7.8589	3,929.45	500	8.6492	4,324.60	395.15	10.06%	16.00%
Volumetric Smoothing Rider	500	-0.3004	-150.20	500	-0.403	-201.50	-51.30	34.15%	-0.75%
Volumetric Deferral/Variance Account Rider	500	-0.0434	-21.70	500	-0.043	-21.50	0.20	-0.92%	-0.08%
Sub-Total: Distribution			3,839.97			4,190.84	350.87	9.14%	15.51%
Retail Transmission Rate – Network Service Rate	500	2.0526	1,026.30	500	2.0526	1,026.30	0.00	0.00%	3.80%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2844	642.20	500	1.2844	642.20	0.00	0.00%	2.38%
Sub-Total: Retail Transmission			1,668.50			1,668.50	0.00	0.00%	6.17%
Sub-Total: Delivery			5,508.47			5,859.34	350.87	6.37%	21.68%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.99%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	0.00	0.00%	0.82%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,029.25			1,029.25	0.00	0.00%	3.81%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.53%
Total Bill on Two-Tier RPP (before Taxes)			23,565.22			23,916.09	350.87	1.49%	88.50%
HST		0.13	3,063.48		0.13	3,109.09	45.61	1.49%	11.50%
Total Bill (including HST)			26,628.70			27,025.18	396.48	1.49%	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 OCEB)			26,628.70			27,025.18	396.48	1.49%	100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	318	0.086	27.37	318	0.086	27.37	0.00	0.00%	8.45%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			27.37			27.37	0.00	0.00%	8.45%
Service Charge	1	168.02	168.02	1	208.09	208.09	40.07	23.85%	64.24%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-6.42	-6.42	1	-9.7	-9.70	-3.28	51.09%	-2.99%
Fixed Deferral/Variance Account Rider	1	1.72	1.72	1	1.93	1.93	0.21	12.21%	0.60%
Distribution Volumetric Rate	10	3.2651	32.65	10	4.7988	47.99	15.34	46.97%	14.81%
Volumetric Smoothing Rider	10	-0.1248	-1.25	10	-0.2236	-2.24	-0.99	79.17%	-0.69%
Volumetric Deferral/Variance Account Rider	10	0.0047	0.05	10	0.0154	0.15	0.11	227.66%	0.05%
Sub-Total: Distribution			194.77			246.23	51.46	26.42%	76.01%
Retail Transmission Rate – Network Service Rate	10	0.5491	5.49	10	0.5491	5.49	0.00	0.00%	1.70%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3443	3.44	10	0.3443	3.44	0.00	0.00%	1.06%
Sub-Total: Retail Transmission			8.93			8.93	0.00	0.00%	2.76%
Sub-Total: Delivery			203.70			255.16	51.46	25.26%	78.77%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.43%
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)			235.21			286.67	51.46	21.88%	88.50%
HST		0.13	30.58		0.13	37.27	6.69	21.88%	11.50%
Total Bill (including HST)			265.79			323.93	58.15	21.88%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			265.79			323.93	58.15	21.88%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.086	182.49	2,122	0.086	182.49	0.00	0.00%	31.14%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			182.49			182.49	0.00	0.00%	31.14%
Service Charge	1	168.02	168.02	1	208.09	208.09	40.07	23.85%	35.51%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-6.42	-6.42	1	-9.7	-9.70	-3.28	51.09%	-1.66%
Fixed Deferral/Variance Account Rider	1	1.72	1.72	1	1.93	1.93	0.21	12.21%	0.33%
Distribution Volumetric Rate	20	3.2651	65.30	20	4.7988	95.98	30.67	46.97%	16.38%
Volumetric Smoothing Rider	20	-0.1248	-2.50	20	-0.2236	-4.47	-1.98	79.17%	-0.76%
Volumetric Deferral/Variance Account Rider	20	0.0047	0.09	20	0.0154	0.31	0.21	227.66%	0.05%
Sub-Total: Distribution			226.22			292.13	65.91	29.14%	49.85%
Retail Transmission Rate – Network Service Rate	20	0.5491	10.98	20	0.5491	10.98	0.00	0.00%	1.87%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3443	6.89	20	0.3443	6.89	0.00	0.00%	1.17%
Sub-Total: Retail Transmission			17.87			17.87	0.00	0.00%	3.05%
Sub-Total: Delivery			244.09			310.00	65.91	27.00%	52.90%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.59%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	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%	0.04%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	2.07%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.39%
Total Bill on Two-Tier RPP (before Taxes)			452.71			518.63	65.91	14.56%	88.50%
HST		0.13	58.85		0.13	67.42	8.57	14.56%	11.50%
Total Bill (including HST)			511.57			586.05	74.48	14.56%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			511.57			586.05	74.48	14.56%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.086	456.23	5,305	0.086	456.23	0.00	0.00%	31.79%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			456.23			456.23	0.00	0.00%	31.79%
Service Charge	1	168.02	168.02	1	208.09	208.09	40.07	23.85%	14.50%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-6.42	-6.42	1	-9.7	-9.70	-3.28	51.09%	-0.68%
Fixed Deferral/Variance Account Rider	1	1.72	1.72	1	1.93	1.93	0.21	12.21%	0.13%
Distribution Volumetric Rate	100	3.2651	326.51	100	4.7988	479.88	153.37	46.97%	33.44%
Volumetric Smoothing Rider	100	-0.1248	-12.48	100	-0.2236	-22.36	-9.88	79.17%	-1.56%
Volumetric Deferral/Variance Account Rider	100	0.0047	0.47	100	0.0154	1.54	1.07	227.66%	0.11%
Sub-Total: Distribution			477.82			659.38	181.56	38.00%	45.95%
Retail Transmission Rate – Network Service Rate	100	0.5491	54.91	100	0.5491	54.91	0.00	0.00%	3.83%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3443	34.43	100	0.3443	34.43	0.00	0.00%	2.40%
Sub-Total: Retail Transmission			89.34			89.34	0.00	0.00%	6.23%
Sub-Total: Delivery			567.16			748.72	181.56	32.01%	52.18%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.63%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	2.09%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.44%
Total Bill on Two-Tier RPP (before Taxes)			1,088.35			1,269.91	181.56	16.68%	88.50%
HST		0.13	141.49		0.13	165.09	23.60	16.68%	11.50%
Total Bill (including HST)			1,229.83			1,435.00	205.16	16.68%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			1,229.83			1,435.00	205.16	16.68%	100.00%

2016 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.086	17,784.80	206,800	0.086	17,784.80	0.00	0.00%	62.18%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,784.80			17,784.80	0.00	0.00%	62.18%
Service Charge	1	1129.23	1,129.23	1	1223.95	1,223.95	94.72	8.39%	4.28%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-32.96	-32.96	1	-43.24	-43.24	-10.28	31.19%	-0.15%
Fixed Deferral/Variance Account Rider	1	6.54	6.54	1	6.5	6.50	-0.04	-0.61%	0.02%
Distribution Volumetric Rate	500	1.1227	561.35	500	1.25	625.00	63.65	11.34%	2.19%
Volumetric Smoothing Rider	500	-0.0477	-23.85	500	-0.063	-31.50	-7.65	32.08%	-0.11%
Volumetric Deferral/Variance Account Rider	500	0.1895	94.75	500	0.1891	94.55	-0.20	-0.21%	0.33%
Sub-Total: Distribution			1,735.06			1,875.26	140.20	8.08%	6.56%
Retail Transmission Rate – Network Service Rate	500	3.5654	1,782.70	500	3.5654	1,782.70	0.00	0.00%	6.23%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6212	1,310.60	500	2.6212	1,310.60	0.00	0.00%	4.58%
Sub-Total: Retail Transmission			3,093.30			3,093.30	0.00	0.00%	10.81%
Sub-Total: Delivery			4,828.36			4,968.56	140.20	2.90%	17.37%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.18%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.05%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.89%
Total Bill on Two-Tier RPP (before Taxes)			25,171.49			25,311.69	140.20	0.56%	88.50%
HST		0.13	3,272.29		0.13	3,290.52	18.23	0.56%	11.50%
Total Bill (including HST)			28,443.78			28,602.21	158.43	0.56%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,443.78			28,602.21	158.43	0.56%	100.00%

2016 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.086	44,462.00	517,000	0.086	44,462.00	0.00	0.00%	66.01%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			44,462.00			44,462.00	0.00	0.00%	66.01%
Service Charge	1	1129.23	1,129.23	1	1223.95	1,223.95	94.72	8.39%	1.82%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-32.96	-32.96	1	-43.24	-43.24	-10.28	31.19%	-0.06%
Fixed Deferral/Variance Account Rider	1	6.54	6.54	1	6.5	6.50	-0.04	-0.61%	0.01%
Distribution Volumetric Rate	1,000	1.1227	1,122.70	1,000	1.25	1,250.00	127.30	11.34%	1.86%
Volumetric Smoothing Rider	1,000	-0.0477	-47.70	1,000	-0.063	-63.00	-15.30	32.08%	-0.09%
Volumetric Deferral/Variance Account Rider	1,000	0.1895	189.50	1,000	0.1891	189.10	-0.40	-0.21%	0.28%
Sub-Total: Distribution			2,367.31			2,563.31	196.00	8.28%	3.81%
Retail Transmission Rate – Network Service Rate	1,000	3.5654	3,565.40	1,000	3.5654	3,565.40	0.00	0.00%	5.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6212	2,621.20	1,000	2.6212	2,621.20	0.00	0.00%	3.89%
Sub-Total: Retail Transmission			6,186.60			6,186.60	0.00	0.00%	9.18%
Sub-Total: Delivery			8,553.91			8,749.91	196.00	2.29%	12.99%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.38%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	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			2,895.45			2,895.45	0.00	0.00%	4.30%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.20%
Total Bill on Two-Tier RPP (before Taxes)			59,411.36			59,607.36	196.00	0.33%	88.50%
HST		0.13	7,723.48		0.13	7,748.96	25.48	0.33%	11.50%
Total Bill (including HST)			67,134.84			67,356.32	221.48	0.33%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			67,134.84			67,356.32	221.48	0.33%	100.00%

2016 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.086	355,696.00	4,136,000	0.086	355,696.00	0.00	0.00%	65.08%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			355,696.00			355,696.00	0.00	0.00%	65.08%
Service Charge	1	1129.23	1,129.23	1	1223.95	1,223.95	94.72	8.39%	0.22%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-32.96	-32.96	1	-43.24	-43.24	-10.28	31.19%	-0.01%
Fixed Deferral/Variance Account Rider	1	6.54	6.54	1	6.5	6.50	-0.04	-0.61%	0.00%
Distribution Volumetric Rate	10,000	1.1227	11,227.00	10,000	1.25	12,500.00	1,273.00	11.34%	2.29%
Volumetric Smoothing Rider	10,000	-0.0477	-477.00	10,000	-0.063	-630.00	-153.00	32.08%	-0.12%
Volumetric Deferral/Variance Account Rider	10,000	0.1895	1,895.00	10,000	0.1891	1,891.00	-4.00	-0.21%	0.35%
Sub-Total: Distribution			13,747.81			14,948.21	1,200.40	8.73%	2.74%
Retail Transmission Rate – Network Service Rate	10,000	3.5654	35,654.00	10,000	3.5654	35,654.00	0.00	0.00%	6.52%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6212	26,212.00	10,000	2.6212	26,212.00	0.00	0.00%	4.80%
Sub-Total: Retail Transmission			61,866.00			61,866.00	0.00	0.00%	11.32%
Sub-Total: Delivery			75,613.81			76,814.21	1,200.40	1.59%	14.05%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.33%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.91%
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			23,161.85			23,161.85	0.00	0.00%	4.24%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.12%
Total Bill on Two-Tier RPP (before Taxes)			482,471.66			483,672.06	1,200.40	0.25%	88.50%
HST		0.13	62,721.32		0.13	62,877.37	156.05	0.25%	11.50%
Total Bill (including HST)			545,192.98			546,549.43	1,356.45	0.25%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			545,192.98			546,549.43	1,356.45	0.25%	100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	24.13%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	24.13%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		13.21%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		5.55%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		6.69%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	25.95%	25.45%
Service Charge	1	21.02	21.02	1	20.68	20.68	-0.34	-1.62%	58.03%	56.92%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.98	-0.98	1	-0.30	-0.30	0.68	-69.39%	-0.84%	-0.83%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.65%	0.63%
Distribution Volumetric Rate	100	0.0182	1.82	100	0.0179	1.79	-0.03	-1.65%	5.02%	4.93%
Volumetric Smoothing Rider	100	-0.0008	-0.08	100	-0.0003	-0.03	0.05	-62.50%	-0.08%	-0.08%
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)			22.01			22.36	0.35	1.59%	62.75%	61.55%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.22%	2.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.09	0.49	6	0.09	0.49	0.00	0.00%	1.38%	1.35%
Line Losses on Cost of Power (based on TOU prices)	6	0.09	0.53	6	0.09	0.53	0.00	0.00%	1.48%	1.45%
Sub-Total: Distribution (based on two-tier RPP prices)			23.29			23.64	0.35	1.50%	66.34%	65.07%
Sub-Total: Distribution (based on TOU prices)			23.33			23.68	0.35	1.50%	66.44%	65.17%
Retail Transmission Rate – Network Service Rate	106	0.0071	0.75	106	0.0071	0.75	0.00	0.00%	2.11%	2.07%
Retail Transmission Rate – Line and Transformation Connection S	106	0.0048	0.51	106	0.0048	0.51	0.00	0.00%	1.42%	1.40%
Sub-Total: Retail Transmission			1.26			1.26	0.00	0.00%	3.53%	3.46%
Sub-Total: Delivery (based on two-tier RPP prices)			24.55			24.90	0.35	1.43%	69.87%	68.53%
Sub-Total: Delivery (based on TOU prices)			24.58			24.93	0.35	1.42%	69.97%	68.63%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.31%	1.28%
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%	0.70%	0.69%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.36%	2.32%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.96%	1.93%
Total Bill on Two-Tier RPP (before Taxes)			34.69			35.04	0.35	1.01%	98.33%	
HST		0.13	4.51		0.13	4.56	0.05	1.01%	12.78%	
Total Bill (including HST)			39.20			39.60	0.40	1.01%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.92		-0.10	-3.96	-0.04	1.01%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			35.28			35.64	0.36	1.01%	100.00%	
Total Bill on TOU (before Taxes)			35.37			35.72	0.35	0.99%		98.33%
HST		0.13	4.60		0.13	4.64	0.05	0.99%		12.78%
Total Bill (including HST)			39.97			40.37	0.40	0.99%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.00		-0.10	-4.04	-0.04	0.99%		-11.11%
Total Bill on TOU (including OCEB)			35.97			36.33	0.36	0.99%		100.00%

2017 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	845.6
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	38.31%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	15.00%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	53.30%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		28.13%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		11.81%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		14.24%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	54.91%	54.18%
Service Charge	1	21.02	21.02	1	20.68	20.68	-0.34	-1.62%	15.35%	15.15%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.98	-0.98	1	-0.30	-0.30	0.68	-69.39%	-0.22%	-0.22%
Fixed Deferral/Variance Account Rider	1	0.24	0.24	1	0.23	0.23	-0.01	-4.17%	0.17%	0.17%
Distribution Volumetric Rate	800	0.0182	14.56	800	0.0179	14.32	-0.24	-1.65%	10.63%	10.49%
Volumetric Smoothing Rider	800	-0.0008	-0.64	800	-0.0003	-0.24	0.40	-62.50%	-0.18%	-0.18%
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)			34.12			34.61	0.49	1.44%	25.69%	25.35%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.59%	0.58%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.10	4.61	46	0.10	4.61	0.00	0.00%	3.42%	3.37%
Line Losses on Cost of Power (based on TOU prices)	46	0.09	4.22	46	0.09	4.22	0.00	0.00%	3.13%	3.09%
Sub-Total: Distribution (based on two-tier RPP prices)			39.52			40.01	0.49	1.24%	29.70%	29.31%
Sub-Total: Distribution (based on TOU prices)			39.13			39.62	0.49	1.25%	29.41%	29.02%
Retail Transmission Rate – Network Service Rate	846	0.0071	6.00	846	0.0071	6.00	0.00	0.00%	4.46%	4.40%
Retail Transmission Rate – Line and Transformation Connection S	846	0.0048	4.06	846	0.0048	4.06	0.00	0.00%	3.01%	2.97%
Sub-Total: Retail Transmission			10.06			10.06	0.00	0.00%	7.47%	7.37%
Sub-Total: Delivery (based on two-tier RPP prices)			49.58			50.07	0.49	0.99%	37.17%	36.68%
Sub-Total: Delivery (based on TOU prices)			49.19			49.68	0.49	1.00%	36.88%	36.39%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.76%	2.73%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.75%	0.74%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.18%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.70%	3.65%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.16%	4.10%
Total Bill on Two-Tier RPP (before Taxes)			131.96			132.45	0.49	0.37%	98.33%	
HST		0.13	17.16		0.13	17.22	0.06	0.37%	12.78%	
Total Bill (including HST)			149.12			149.67	0.55	0.37%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.91		-0.10	-14.97	-0.06	0.37%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			134.21			134.71	0.50	0.37%	100.00%	
Total Bill on TOU (before Taxes)			133.74			134.23	0.49	0.37%		98.33%
HST		0.13	17.39		0.13	17.45	0.06	0.37%		12.78%
Total Bill (including HST)			151.13			151.68	0.55	0.37%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.11		-0.10	-15.17	-0.06	0.37%		-11.11%
Total Bill on TOU (including OCEB)			136.02			136.51	0.50	0.37%		100.00%

2017 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2114
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	16.25%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	44.54%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	60.79%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		31.14%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		13.08%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.77%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	58.25%	59.99%
Service Charge	1	21.02	21.02	1	20.68	20.68	-0.34	-1.62%	6.51%	6.71%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.98	-0.98	1	-0.30	-0.30	0.68	-69.39%	-0.09%	-0.10%
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	0.0182	36.40	2,000	0.0179	35.80	-0.60	-1.65%	11.28%	11.61%
Volumetric Smoothing Rider	2,000	-0.0008	-1.60	2,000	-0.0003	-0.60	1.00	-62.50%	-0.19%	-0.19%
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)			54.88			55.61	0.73	1.33%	17.52%	18.04%
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)	114	0.10	11.51	114	0.10	11.51	0.00	0.00%	3.63%	3.74%
Line Losses on Cost of Power (based on TOU prices)	114	0.09	10.54	114	0.09	10.54	0.00	0.00%	3.32%	3.42%
Sub-Total: Distribution (based on two-tier RPP prices)			67.18			67.91	0.73	1.09%	21.39%	22.03%
Sub-Total: Distribution (based on TOU prices)			66.21			66.94	0.73	1.10%	21.09%	21.72%
Retail Transmission Rate – Network Service Rate	2,114	0.0071	15.01	2,114	0.0071	15.01	0.00	0.00%	4.73%	4.87%
Retail Transmission Rate – Line and Transformation Connection S	2,114	0.0048	10.15	2,114	0.0048	10.15	0.00	0.00%	3.20%	3.29%
Sub-Total: Retail Transmission			25.16			25.16	0.00	0.00%	7.92%	8.16%
Sub-Total: Delivery (based on two-tier RPP prices)			92.34			93.07	0.73	0.79%	29.32%	30.19%
Sub-Total: Delivery (based on TOU prices)			91.37			92.10	0.73	0.80%	29.01%	29.88%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	2.93%	3.02%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	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			12.09			12.09	0.00	0.00%	3.81%	3.92%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.41%	4.54%
Total Bill on Two-Tier RPP (before Taxes)			311.43			312.16	0.73	0.23%	98.33%	
HST		0.13	40.49		0.13	40.58	0.09	0.23%	12.78%	
Total Bill (including HST)			351.91			352.74	0.82	0.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.19		-0.10	-35.27	-0.08	0.23%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			316.72			317.47	0.74	0.23%	100.00%	
Total Bill on TOU (before Taxes)			302.38			303.11	0.73	0.24%		98.33%
HST		0.13	39.31		0.13	39.40	0.09	0.24%		12.78%
Total Bill (including HST)			341.68			342.51	0.82	0.24%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.17		-0.10	-34.25	-0.08	0.24%		-11.11%
Total Bill on TOU (including OCEB)			307.52			308.26	0.74	0.24%		100.00%

2017 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	107.6
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	18.80%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	18.80%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		10.33%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		4.34%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		5.23%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	20.21%	19.90%
Service Charge	1	29.44	29.44	1	29.16	29.16	-0.28	-0.95%	63.73%	62.76%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.37	-1.37	1	-0.43	-0.43	0.94	-68.61%	-0.94%	-0.93%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.28	0.28	-0.02	-6.67%	0.61%	0.60%
Distribution Volumetric Rate	100	0.0326	3.26	100	0.0323	3.23	-0.03	-0.92%	7.06%	6.95%
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	0.0000	0.00	100	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			31.48			32.19	0.71	2.26%	70.35%	69.28%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.73%	1.70%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.09	0.65	8	0.09	0.65	0.00	0.00%	1.43%	1.41%
Line Losses on Cost of Power (based on TOU prices)	8	0.09	0.70	8	0.09	0.70	0.00	0.00%	1.54%	1.51%
Sub-Total: Distribution (based on two-tier RPP prices)			32.92			33.63	0.71	2.16%	73.51%	72.39%
Sub-Total: Distribution (based on TOU prices)			32.97			33.68	0.71	2.15%	73.61%	72.49%
Retail Transmission Rate – Network Service Rate	108	0.0066	0.71	108	0.0066	0.71	0.00	0.00%	1.55%	1.53%
Retail Transmission Rate – Line and Transformation Connection S	108	0.0046	0.49	108	0.0046	0.49	0.00	0.00%	1.08%	1.07%
Sub-Total: Retail Transmission			1.21			1.21	0.00	0.00%	2.63%	2.59%
Sub-Total: Delivery (based on two-tier RPP prices)			34.13			34.84	0.71	2.08%	76.14%	74.98%
Sub-Total: Delivery (based on TOU prices)			34.18			34.89	0.71	2.08%	76.25%	75.09%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.03%	1.02%
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%	0.55%	0.54%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	1.86%	1.83%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.53%	1.51%
Total Bill on Two-Tier RPP (before Taxes)			44.28			44.99	0.71	1.60%	98.33%	
HST		0.13	5.76		0.13	5.85	0.09	1.60%	12.78%	
Total Bill (including HST)			50.04			50.84	0.80	1.60%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.00		-0.10	-5.08	-0.08	1.60%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			45.03			45.76	0.72	1.60%	100.00%	
Total Bill on TOU (before Taxes)			44.98			45.69	0.71	1.58%		98.33%
HST		0.13	5.85		0.13	5.94	0.09	1.58%		12.78%
Total Bill (including HST)			50.82			51.63	0.80	1.58%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.08		-0.10	-5.16	-0.08	1.58%		-11.11%
Total Bill on TOU (including OCEB)			45.74			46.46	0.72	1.58%		100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	33.06%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	12.94%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	46.00%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		24.34%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		10.22%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		12.32%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	47.38%	46.88%
Service Charge	1	29.44	29.44	1	29.16	29.16	-0.28	-0.95%	18.68%	18.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.37	-1.37	1	-0.43	-0.43	0.94	-68.61%	-0.28%	-0.27%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.28	0.28	-0.02	-6.67%	0.18%	0.18%
Distribution Volumetric Rate	800	0.0326	26.08	800	0.0323	25.84	-0.24	-0.92%	16.55%	16.38%
Volumetric Smoothing Rider	800	-0.0015	-1.20	800	-0.0005	-0.40	0.80	-66.67%	-0.26%	-0.25%
Volumetric Deferral/Variance Account Rider	800	0.0000	0.00	800	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			53.25			54.45	1.20	2.25%	34.88%	34.51%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.51%	0.50%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.10	6.14	61	0.10	6.14	0.00	0.00%	3.93%	3.89%
Line Losses on Cost of Power (based on TOU prices)	61	0.09	5.62	61	0.09	5.62	0.00	0.00%	3.60%	3.56%
Sub-Total: Distribution (based on two-tier RPP prices)			60.18			61.38	1.20	1.99%	39.32%	38.90%
Sub-Total: Distribution (based on TOU prices)			59.66			60.86	1.20	2.01%	38.99%	38.57%
Retail Transmission Rate – Network Service Rate	861	0.0066	5.68	861	0.0066	5.68	0.00	0.00%	3.64%	3.60%
Retail Transmission Rate – Line and Transformation Connection S	861	0.0046	3.96	861	0.0046	3.96	0.00	0.00%	2.54%	2.51%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	6.18%	6.11%
Sub-Total: Delivery (based on two-tier RPP prices)			69.82			71.02	1.20	1.72%	45.50%	45.01%
Sub-Total: Delivery (based on TOU prices)			69.30			70.50	1.20	1.73%	45.16%	44.68%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.43%	2.40%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.66%	0.65%
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%	3.25%	3.21%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.59%	3.55%
Total Bill on Two-Tier RPP (before Taxes)			152.29			153.49	1.20	0.79%	98.33%	
HST		0.13	19.80		0.13	19.95	0.16	0.79%	12.78%	
Total Bill (including HST)			172.09			173.45	1.36	0.79%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.21		-0.10	-17.34	-0.14	0.79%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			154.88			156.10	1.22	0.79%	100.00%	
Total Bill on TOU (before Taxes)			153.94			155.14	1.20	0.78%		98.33%
HST		0.13	20.01		0.13	20.17	0.16	0.78%		12.78%
Total Bill (including HST)			173.95			175.31	1.36	0.78%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.40		-0.10	-17.53	-0.14	0.78%		-11.11%
Total Bill on TOU (including OCEB)			156.56			157.78	1.22	0.78%		100.00%

2017 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2152
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	14.41%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	39.48%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	53.89%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		27.54%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.57%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		13.94%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	51.63%	53.05%
Service Charge	1	29.44	29.44	1	29.16	29.16	-0.28	-0.95%	8.14%	8.36%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.37	-1.37	1	-0.43	-0.43	0.94	-68.61%	-0.12%	-0.12%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.28	0.28	-0.02	-6.67%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.0326	65.20	2,000	0.0323	64.60	-0.60	-0.92%	18.04%	18.53%
Volumetric Smoothing Rider	2,000	-0.0015	-3.00	2,000	-0.0005	-1.00	2.00	-66.67%	-0.28%	-0.29%
Volumetric Deferral/Variance Account Rider	2,000	0.0000	0.00	2,000	0.0000	0.00	0.00	0.00%	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			90.57			92.61	2.04	2.25%	25.86%	26.57%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.10	15.35	152	0.10	15.35	0.00	0.00%	4.29%	4.40%
Line Losses on Cost of Power (based on TOU prices)	152	0.09	14.05	152	0.09	14.05	0.00	0.00%	3.92%	4.03%
Sub-Total: Distribution (based on two-tier RPP prices)			106.71			108.75	2.04	1.91%	30.37%	31.20%
Sub-Total: Distribution (based on TOU prices)			105.41			107.45	2.04	1.94%	30.00%	30.82%
Retail Transmission Rate – Network Service Rate	2,152	0.0066	14.20	2,152	0.0066	14.20	0.00	0.00%	3.97%	4.07%
Retail Transmission Rate – Line and Transformation Connection S	2,152	0.0046	9.90	2,152	0.0046	9.90	0.00	0.00%	2.76%	2.84%
Sub-Total: Retail Transmission			24.10			24.10	0.00	0.00%	6.73%	6.91%
Sub-Total: Delivery (based on two-tier RPP prices)			130.81			132.85	2.04	1.56%	37.10%	38.11%
Sub-Total: Delivery (based on TOU prices)			129.52			131.56	2.04	1.58%	36.73%	37.74%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.64%	2.72%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.72%	0.74%
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%	3.43%	3.53%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.91%	4.02%
Total Bill on Two-Tier RPP (before Taxes)			350.12			352.16	2.04	0.58%	98.33%	
HST		0.13	45.52		0.13	45.78	0.27	0.58%	12.78%	
Total Bill (including HST)			395.63			397.94	2.31	0.58%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.56		-0.10	-39.79	-0.23	0.58%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			356.07			358.14	2.07	0.58%	100.00%	
Total Bill on TOU (before Taxes)			340.74			342.78	2.04	0.60%		98.33%
HST		0.13	44.30		0.13	44.56	0.27	0.60%		12.78%
Total Bill (including HST)			385.03			387.34	2.31	0.60%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.50		-0.10	-38.73	-0.23	0.60%		-11.11%
Total Bill on TOU (including OCEB)			346.53			348.60	2.07	0.60%		100.00%

2017 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	110.5
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	13.46%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	13.46%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		7.43%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		3.12%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		3.76%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	14.47%	14.31%
Service Charge	1	42.74	42.74	1	45.19	45.19	2.45	5.73%	70.71%	69.92%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-3.41	-3.41	1	-1.11	-1.11	2.30	-67.45%	-1.74%	-1.72%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.58	0.58	0.00	0.00%	0.91%	0.90%
Distribution Volumetric Rate	100	0.0497	4.97	100	0.0517	5.17	0.20	4.02%	8.09%	8.00%
Volumetric Smoothing Rider	100	-0.0023	-0.23	100	-0.0008	-0.08	0.15	-65.22%	-0.13%	-0.12%
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)			44.66			49.76	5.10	11.42%	77.86%	76.99%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.24%	1.22%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	0.90	11	0.09	0.90	0.00	0.00%	1.41%	1.40%
Line Losses on Cost of Power (based on TOU prices)	11	0.09	0.97	11	0.09	0.97	0.00	0.00%	1.52%	1.50%
Sub-Total: Distribution (based on two-tier RPP prices)			46.35			51.45	5.10	11.00%	80.51%	79.61%
Sub-Total: Distribution (based on TOU prices)			46.42			51.52	5.10	10.99%	80.62%	79.71%
Retail Transmission Rate – Network Service Rate	111	0.0065	0.72	111	0.0065	0.72	0.00	0.00%	1.12%	1.11%
Retail Transmission Rate – Line and Transformation Connection S	111	0.0045	0.50	111	0.0045	0.50	0.00	0.00%	0.78%	0.77%
Sub-Total: Retail Transmission			1.22			1.22	0.00	0.00%	1.90%	1.88%
Sub-Total: Delivery (based on two-tier RPP prices)			47.57			52.67	5.10	10.72%	82.42%	81.49%
Sub-Total: Delivery (based on TOU prices)			47.64			52.74	5.10	10.71%	82.52%	81.60%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.76%	0.75%
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%	1.34%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.10%	1.08%
Total Bill on Two-Tier RPP (before Taxes)			57.74			62.84	5.10	8.83%	98.33%	
HST		0.13	7.51		0.13	8.17	0.66	8.83%	12.78%	
Total Bill (including HST)			65.24			71.01	5.76	8.83%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.52		-0.10	-7.10	-0.58	8.83%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			58.72			63.91	5.19	8.83%	100.00%	
Total Bill on TOU (before Taxes)			58.45			63.55	5.10	8.73%		98.33%
HST		0.13	7.60		0.13	8.26	0.66	8.73%		12.78%
Total Bill (including HST)			66.05			71.81	5.76	8.73%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.60		-0.10	-7.18	-0.58	8.73%		-11.11%
Total Bill on TOU (including OCEB)			59.44			64.63	5.19	8.73%		100.00%

2017 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	884
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	27.12%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	10.62%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	37.74%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		20.03%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		8.41%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		10.14%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	38.88%	38.58%
Service Charge	1	42.74	42.74	1	45.19	45.19	2.45	5.73%	23.75%	23.57%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-3.41	-3.41	1	-1.11	-1.11	2.30	-67.45%	-0.58%	-0.58%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.58	0.58	0.00	0.00%	0.30%	0.30%
Distribution Volumetric Rate	800	0.0497	39.76	800	0.0517	41.36	1.60	4.02%	21.74%	21.57%
Volumetric Smoothing Rider	800	-0.0023	-1.84	800	-0.0008	-0.64	1.20	-65.22%	-0.34%	-0.33%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			77.91			85.46	7.55	9.69%	44.92%	44.58%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.42%	0.41%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.10	8.48	84	0.10	8.48	0.00	0.00%	4.46%	4.43%
Line Losses on Cost of Power (based on TOU prices)	84	0.09	7.77	84	0.09	7.77	0.00	0.00%	4.08%	4.05%
Sub-Total: Distribution (based on two-tier RPP prices)			87.18			94.73	7.55	8.66%	49.80%	49.41%
Sub-Total: Distribution (based on TOU prices)			86.47			94.02	7.55	8.73%	49.42%	49.04%
Retail Transmission Rate – Network Service Rate	884	0.0065	5.75	884	0.0065	5.75	0.00	0.00%	3.02%	3.00%
Retail Transmission Rate – Line and Transformation Connection S	884	0.0045	3.98	884	0.0045	3.98	0.00	0.00%	2.09%	2.07%
Sub-Total: Retail Transmission			9.72			9.72	0.00	0.00%	5.11%	5.07%
Sub-Total: Delivery (based on two-tier RPP prices)			96.91			104.46	7.55	7.79%	54.91%	54.49%
Sub-Total: Delivery (based on TOU prices)			96.19			103.74	7.55	7.85%	54.53%	54.11%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	2.04%	2.03%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	0.00	0.00%	0.56%	0.55%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.13%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.73%	2.71%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.94%	2.92%
Total Bill on Two-Tier RPP (before Taxes)			179.51			187.06	7.55	4.21%	98.33%	
HST		0.13	23.34		0.13	24.32	0.98	4.21%	12.78%	
Total Bill (including HST)			202.84			211.38	8.53	4.21%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.28		-0.10	-21.14	-0.85	4.21%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			182.56			190.24	7.68	4.21%	100.00%	
Total Bill on TOU (before Taxes)			180.96			188.51	7.55	4.17%		98.33%
HST		0.13	23.52		0.13	24.51	0.98	4.17%		12.78%
Total Bill (including HST)			204.48			213.02	8.53	4.17%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.45		-0.10	-21.30	-0.85	4.17%		-11.11%
Total Bill on TOU (including OCEB)			184.04			191.71	7.68	4.17%		100.00%

2017 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2210
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	12.30%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	33.70%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	46.00%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		23.44%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		9.84%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		11.87%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	44.07%	45.15%
Service Charge	1	42.74	42.74	1	45.19	45.19	2.45	5.73%	10.77%	11.03%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-3.41	-3.41	1	-1.11	-1.11	2.30	-67.45%	-0.26%	-0.27%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.58	0.58	0.00	0.00%	0.14%	0.14%
Distribution Volumetric Rate	2,000	0.0497	99.40	2,000	0.0517	103.40	4.00	4.02%	24.64%	25.25%
Volumetric Smoothing Rider	2,000	-0.0023	-4.60	2,000	-0.0008	-1.60	3.00	-65.22%	-0.38%	-0.39%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			134.91			146.66	11.75	8.71%	34.95%	35.81%
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)	210	0.10	21.21	210	0.10	21.21	0.00	0.00%	5.05%	5.18%
Line Losses on Cost of Power (based on TOU prices)	210	0.09	19.42	210	0.09	19.42	0.00	0.00%	4.63%	4.74%
Sub-Total: Distribution (based on two-tier RPP prices)			156.91			168.66	11.75	7.49%	40.19%	41.18%
Sub-Total: Distribution (based on TOU prices)			155.12			166.87	11.75	7.57%	39.77%	40.74%
Retail Transmission Rate – Network Service Rate	2,210	0.0065	14.37	2,210	0.0065	14.37	0.00	0.00%	3.42%	3.51%
Retail Transmission Rate – Line and Transformation Connection S	2,210	0.0045	9.95	2,210	0.0045	9.95	0.00	0.00%	2.37%	2.43%
Sub-Total: Retail Transmission			24.31			24.31	0.00	0.00%	5.79%	5.94%
Sub-Total: Delivery (based on two-tier RPP prices)			181.22			192.97	11.75	6.48%	45.99%	47.12%
Sub-Total: Delivery (based on TOU prices)			179.43			191.18	11.75	6.55%	45.56%	46.68%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.32%	2.37%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	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%	0.06%	0.06%
Sub-Total: Regulatory			12.63			12.63	0.00	0.00%	3.01%	3.08%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.34%	3.42%
Total Bill on Two-Tier RPP (before Taxes)			400.85			412.60	11.75	2.93%	98.33%	
HST		0.13	52.11		0.13	53.64	1.53	2.93%	12.78%	
Total Bill (including HST)			452.96			466.23	13.28	2.93%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.30		-0.10	-46.62	-1.33	2.93%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			407.66			419.61	11.95	2.93%	100.00%	
Total Bill on TOU (before Taxes)			390.97			402.72	11.75	3.01%		98.33%
HST		0.13	50.83		0.13	52.35	1.53	3.01%		12.78%
Total Bill (including HST)			441.80			455.08	13.28	3.01%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.18		-0.10	-45.51	-1.33	3.01%		-11.11%
Total Bill on TOU (including OCEB)			397.62			409.57	11.95	3.01%		100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	4.30	50	0.086	4.30	0.00	0.00%	10.19%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	10.19%	
TOU-Off Peak	32	0.075	2.40	32	0.075	2.40	0.00	0.00%		5.64%
TOU-Mid Peak	9	0.112	1.01	9	0.112	1.01	0.00	0.00%		2.37%
TOU-On Peak	9	0.135	1.22	9	0.135	1.22	0.00	0.00%		2.85%
Sub-Total: Energy (TOU)			4.62			4.62	0.00	0.00%	10.95%	10.86%
Service Charge	1	28.45	28.45	1	29.63	29.63	1.18	4.15%	70.21%	69.61%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.33	-1.33	1	-0.43	-0.43	0.90	-67.67%	-1.02%	-1.01%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.66%	0.66%
Distribution Volumetric Rate	50	0.0978	4.89	50	0.1019	5.10	0.21	4.19%	12.07%	11.97%
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	0.0004	0.02	50	0.0004	0.02	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			32.08			34.52	2.44	7.61%	81.80%	81.10%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.87%	1.86%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.45	5	0.09	0.45	0.00	0.00%	1.06%	1.05%
Line Losses on Cost of Power (based on TOU prices)	5	0.09	0.48	5	0.09	0.48	0.00	0.00%	1.14%	1.13%
Sub-Total: Distribution (based on two-tier RPP prices)			33.32			35.76	2.44	7.32%	84.73%	84.01%
Sub-Total: Distribution (based on TOU prices)			33.35			35.79	2.44	7.32%	84.81%	84.09%
Retail Transmission Rate – Network Service Rate	55	0.0053	0.29	55	0.0053	0.29	0.00	0.00%	0.69%	0.69%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0043	0.24	55	0.0043	0.24	0.00	0.00%	0.56%	0.56%
Sub-Total: Retail Transmission			0.53			0.53	0.00	0.00%	1.26%	1.24%
Sub-Total: Delivery (based on two-tier RPP prices)			33.85			36.29	2.44	7.21%	85.99%	85.25%
Sub-Total: Delivery (based on TOU prices)			33.88			36.32	2.44	7.20%	86.06%	85.33%
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%	1.32%	1.31%
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)			39.06			41.50	2.44	6.25%	98.33%	
HST		0.13	5.08		0.13	5.39	0.32	6.25%	12.78%	
Total Bill (including HST)			44.13			46.89	2.76	6.25%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.41		-0.10	-4.69	-0.28	6.25%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			39.72			42.20	2.48	6.25%	100.00%	
Total Bill on TOU (before Taxes)			39.41			41.85	2.44	6.19%		98.33%
HST		0.13	5.12		0.13	5.44	0.32	6.19%		12.78%
Total Bill (including HST)			44.54			47.29	2.76	6.19%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.45		-0.10	-4.73	-0.28	6.19%		-11.11%
Total Bill on TOU (including OCEB)			40.08			42.56	2.48	6.19%		100.00%

2017 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	441.6
Charge determinant	kWh

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	Volume	Current 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	0.086	34.40	400	0.086	34.40	0.00	0.00%	28.59%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			34.40			34.40	0.00	0.00%	28.59%	
TOU-Off Peak	256	0.075	19.20	256	0.075	19.20	0.00	0.00%		15.58%
TOU-Mid Peak	72	0.112	8.06	72	0.112	8.06	0.00	0.00%		6.54%
TOU-On Peak	72	0.135	9.72	72	0.135	9.72	0.00	0.00%		7.89%
Sub-Total: Energy (TOU)			36.98			36.98	0.00	0.00%	30.73%	30.01%
Service Charge	1	28.45	28.45	1	29.63	29.63	1.18	4.15%	24.62%	24.04%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.33	-1.33	1	-0.43	-0.43	0.90	-67.67%	-0.36%	-0.35%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.23%	0.23%
Distribution Volumetric Rate	400	0.0978	39.12	400	0.1019	40.76	1.64	4.19%	33.87%	33.07%
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	0.0004	0.16	400	0.0004	0.16	0.00	0.00%	0.13%	0.13%
Sub-Total: Distribution (excluding pass through)			64.84			69.80	4.96	7.65%	58.00%	56.64%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.66%	0.64%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.58	42	0.09	3.58	0.00	0.00%	2.97%	2.90%
Line Losses on Cost of Power (based on TOU prices)	42	0.09	3.85	42	0.09	3.85	0.00	0.00%	3.20%	3.12%
Sub-Total: Distribution (based on two-tier RPP prices)			69.21			74.17	4.96	7.17%	61.63%	60.18%
Sub-Total: Distribution (based on TOU prices)			69.48			74.44	4.96	7.14%	61.85%	60.40%
Retail Transmission Rate – Network Service Rate	442	0.0053	2.34	442	0.0053	2.34	0.00	0.00%	1.94%	1.90%
Retail Transmission Rate – Line and Transformation Connection	442	0.0043	1.90	442	0.0043	1.90	0.00	0.00%	1.58%	1.54%
Sub-Total: Retail Transmission			4.24			4.24	0.00	0.00%	3.52%	3.44%
Sub-Total: Delivery (based on two-tier RPP prices)			73.45			78.41	4.96	6.75%	65.15%	63.62%
Sub-Total: Delivery (based on TOU prices)			73.72			78.68	4.96	6.73%	65.38%	63.84%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.61%	1.58%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.44%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.21%	0.20%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.26%	2.21%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.33%	2.27%
Total Bill on Two-Tier RPP (before Taxes)			113.37			118.33	4.96	4.38%	98.33%	
HST		0.13	14.74		0.13	15.38	0.64	4.38%	12.78%	
Total Bill (including HST)			128.11			133.71	5.60	4.38%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.81		-0.10	-13.37	-0.56	4.38%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			115.30			120.34	5.04	4.38%	100.00%	
Total Bill on TOU (before Taxes)			116.22			121.18	4.96	4.27%		98.33%
HST		0.13	15.11		0.13	15.75	0.64	4.27%		12.78%
Total Bill (including HST)			131.33			136.94	5.60	4.27%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.13		-0.10	-13.69	-0.56	4.27%		-11.11%
Total Bill on TOU (including OCEB)			118.20			123.24	5.04	4.27%		100.00%

2017 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	19.70%	
Energy Second Tier (kWh)	400	0.101	40.40	400	0.101	40.40	0.00	0.00%	15.42%	
Sub-Total: Energy (RPP)			92.00			92.00	0.00	0.00%	35.12%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		18.35%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		7.71%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		9.29%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	35.29%	35.35%
Service Charge	1	28.45	28.45	1	29.63	29.63	1.18	4.15%	11.31%	11.33%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.33	-1.33	1	-0.43	-0.43	0.90	-67.67%	-0.16%	-0.16%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.11%	0.11%
Distribution Volumetric Rate	1,000	0.0978	97.80	1,000	0.1019	101.90	4.10	4.19%	38.90%	38.96%
Volumetric Smoothing Rider	1,000	-0.0046	-4.60	1,000	-0.0015	-1.50	3.10	-67.39%	-0.57%	-0.57%
Volumetric Deferral/Variance Account Rider	1,000	0.0004	0.40	1,000	0.0004	0.40	0.00	0.00%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			121.00			130.28	9.28	7.67%	49.73%	49.81%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.30%	0.30%
Line Losses on Cost of Power (based on two-tier RPP prices)	104	0.10	10.50	104	0.10	10.50	0.00	0.00%	4.01%	4.02%
Line Losses on Cost of Power (based on TOU prices)	104	0.09	9.62	104	0.09	9.62	0.00	0.00%	3.67%	3.68%
Sub-Total: Distribution (based on two-tier RPP prices)			132.29			141.57	9.28	7.01%	54.04%	54.13%
Sub-Total: Distribution (based on TOU prices)			131.41			140.69	9.28	7.06%	53.70%	53.79%
Retail Transmission Rate – Network Service Rate	1,104	0.0053	5.85	1,104	0.0053	5.85	0.00	0.00%	2.23%	2.24%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0043	4.75	1,104	0.0043	4.75	0.00	0.00%	1.81%	1.82%
Sub-Total: Retail Transmission			10.60			10.60	0.00	0.00%	4.05%	4.05%
Sub-Total: Delivery (based on two-tier RPP prices)			142.89			152.17	9.28	6.49%	58.08%	58.18%
Sub-Total: Delivery (based on TOU prices)			142.00			151.28	9.28	6.54%	57.75%	57.84%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.85%	1.86%
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%	2.46%	2.46%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.67%	2.68%
Total Bill on Two-Tier RPP (before Taxes)			248.32			257.60	9.28	3.74%	98.33%	
HST		0.13	32.28		0.13	33.49	1.21	3.74%	12.78%	
Total Bill (including HST)			280.61			291.09	10.49	3.74%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-28.06		-0.10	-29.11	-1.05	3.74%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			252.55			261.98	9.44	3.74%	100.00%	
Total Bill on TOU (before Taxes)			247.90			257.18	9.28	3.74%		98.33%
HST		0.13	32.23		0.13	33.43	1.21	3.74%		12.78%
Total Bill (including HST)			280.12			290.61	10.49	3.74%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-28.01		-0.10	-29.06	-1.05	3.74%		-11.11%
Total Bill on TOU (including OCEB)			252.11			261.55	9.44	3.74%		100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	29.43%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	11.52%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	40.95%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		21.71%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		9.12%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		10.99%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	42.19%	41.82%
Service Charge	1	32.32	32.32	1	33.27	33.27	0.95	2.94%	15.18%	15.05%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.51	-1.51	1	-0.49	-0.49	1.02	-67.55%	-0.22%	-0.22%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.14%	0.14%
Distribution Volumetric Rate	1,000	0.0576	57.60	1,000	0.0593	59.30	1.70	2.95%	27.06%	26.82%
Volumetric Smoothing Rider	1,000	-0.0027	-2.70	1,000	-0.0009	-0.90	1.80	-66.67%	-0.41%	-0.41%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			86.11			91.58	5.47	6.35%	41.78%	41.42%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.36%	0.36%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.10	9.70	96	0.10	9.70	0.00	0.00%	4.42%	4.39%
Line Losses on Cost of Power (based on TOU prices)	96	0.09	8.88	96	0.09	8.88	0.00	0.00%	4.05%	4.01%
Sub-Total: Distribution (based on two-tier RPP prices)			96.60			102.07	5.47	5.66%	46.57%	46.16%
Sub-Total: Distribution (based on TOU prices)			95.78			101.25	5.47	5.71%	46.20%	45.79%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	2.90%	2.88%
Retail Transmission Rate – Line and Transformation Connection S	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.80%	1.78%
Sub-Total: Retail Transmission			10.30			10.30	0.00	0.00%	4.70%	4.66%
Sub-Total: Delivery (based on two-tier RPP prices)			106.90			112.37	5.47	5.12%	51.27%	50.82%
Sub-Total: Delivery (based on TOU prices)			106.08			111.55	5.47	5.16%	50.90%	50.45%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.20%	2.18%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.60%	0.59%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	2.91%	2.89%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.19%	3.17%
Total Bill on Two-Tier RPP (before Taxes)			210.04			215.51	5.47	2.60%	98.33%	
HST		0.13	27.30		0.13	28.02	0.71	2.60%	12.78%	
Total Bill (including HST)			237.34			243.52	6.18	2.60%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.73		-0.10	-24.35	-0.62	2.60%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			213.61			219.17	5.56	2.60%	100.00%	
Total Bill on TOU (before Taxes)			211.93			217.40	5.47	2.58%		98.33%
HST		0.13	27.55		0.13	28.26	0.71	2.58%		12.78%
Total Bill (including HST)			239.48			245.66	6.18	2.58%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-23.95		-0.10	-24.57	-0.62	2.58%		-11.11%
Total Bill on TOU (including OCEB)			215.53			221.09	5.56	2.58%		100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	15.54%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	30.42%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	45.95%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		23.56%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		9.89%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		11.93%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	44.55%	45.38%
Service Charge	1	32.32	32.32	1	33.27	33.27	0.95	2.94%	8.02%	8.16%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.51	-1.51	1	-0.49	-0.49	1.02	-67.55%	-0.12%	-0.12%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0576	115.20	2,000	0.0593	118.60	3.40	2.95%	28.57%	29.11%
Volumetric Smoothing Rider	2,000	-0.0027	-5.40	2,000	-0.0009	-1.80	3.60	-66.67%	-0.43%	-0.44%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			141.11			150.08	8.97	6.36%	36.16%	36.83%
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	0.10	19.39	192	0.10	19.39	0.00	0.00%	4.67%	4.76%
Line Losses on Cost of Power (based on TOU prices)	192	0.09	17.75	192	0.09	17.75	0.00	0.00%	4.28%	4.36%
Sub-Total: Distribution (based on two-tier RPP prices)			161.29			170.26	8.97	5.56%	41.02%	41.78%
Sub-Total: Distribution (based on TOU prices)			159.65			168.62	8.97	5.62%	40.62%	41.38%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	3.06%	3.12%
Retail Transmission Rate – Line and Transformation Connection S	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.90%	1.94%
Sub-Total: Retail Transmission			20.60			20.60	0.00	0.00%	4.96%	5.06%
Sub-Total: Delivery (based on two-tier RPP prices)			181.90			190.87	8.97	4.93%	45.98%	46.84%
Sub-Total: Delivery (based on TOU prices)			180.26			189.23	8.97	4.98%	45.59%	46.44%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.32%	2.37%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	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%	0.06%	0.06%
Sub-Total: Regulatory			12.53			12.53	0.00	0.00%	3.02%	3.07%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.37%	3.44%
Total Bill on Two-Tier RPP (before Taxes)			399.17			408.14	8.97	2.25%	98.33%	
HST		0.13	51.89		0.13	53.06	1.17	2.25%	12.78%	
Total Bill (including HST)			451.06			461.20	10.14	2.25%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.11		-0.10	-46.12	-1.01	2.25%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			405.96			415.08	9.12	2.25%	100.00%	
Total Bill on TOU (before Taxes)			391.70			400.67	8.97	2.29%		98.33%
HST		0.13	50.92		0.13	52.09	1.17	2.29%		12.78%
Total Bill (including HST)			442.62			452.76	10.14	2.29%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-44.26		-0.10	-45.28	-1.01	2.29%		-11.11%
Total Bill on TOU (including OCEB)			398.36			407.48	9.12	2.29%		100.00%

2017 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.00%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	44.65%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	46.65%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		23.38%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		9.82%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		11.84%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	43.03%	45.04%
Service Charge	1	32.32	32.32	1	33.27	33.27	0.95	2.94%	1.03%	1.08%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.51	-1.51	1	-0.49	-0.49	1.02	-67.55%	-0.02%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0576	864.00	15,000	0.0593	889.50	25.50	2.95%	27.60%	28.89%
Volumetric Smoothing Rider	15,000	-0.0027	-40.50	15,000	-0.0009	-13.50	27.00	-66.67%	-0.42%	-0.44%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			856.11			910.58	54.47	6.36%	28.25%	29.57%
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	0.10	145.44	1,440	0.10	145.44	0.00	0.00%	4.51%	4.72%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.09	133.14	1,440	0.09	133.14	0.00	0.00%	4.13%	4.32%
Sub-Total: Distribution (based on two-tier RPP prices)			1,002.34			1,056.81	54.47	5.43%	32.79%	34.32%
Sub-Total: Distribution (based on TOU prices)			990.04			1,044.51	54.47	5.50%	32.41%	33.92%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	2.96%	3.10%
Retail Transmission Rate – Line and Transformation Connection S	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.84%	1.92%
Sub-Total: Retail Transmission			154.54			154.54	0.00	0.00%	4.79%	5.02%
Sub-Total: Delivery (based on two-tier RPP prices)			1,156.88			1,211.35	54.47	4.71%	37.58%	39.34%
Sub-Total: Delivery (based on TOU prices)			1,144.58			1,199.05	54.47	4.76%	37.20%	38.94%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.24%	2.35%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.61%	0.64%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			92.31			92.31	0.00	0.00%	2.86%	3.00%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.26%	3.41%
Total Bill on Two-Tier RPP (before Taxes)			2,857.94			2,912.41	54.47	1.91%	90.36%	
HST		0.13	371.53		0.13	378.61	7.08	1.91%	11.75%	
Total Bill (including HST)			3,229.47			3,291.02	61.55	1.91%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-66.48		-0.10	-67.89	-1.41	2.12%	-2.11%	
Total Bill on Two-Tier RPP (including OCEB)			3,162.99			3,223.14	60.14	1.90%	100.00%	
Total Bill on TOU (before Taxes)			2,728.79			2,783.26	54.47	2.00%		90.39%
HST		0.13	354.74		0.13	361.82	7.08	2.00%		11.75%
Total Bill (including HST)			3,083.54			3,145.09	61.55	2.00%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-64.58		-0.10	-65.99	-1.41	2.18%		-2.14%
Total Bill on TOU (including OCEB)			3,018.96			3,079.10	60.14	1.99%		100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	36.44%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	14.27%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	50.71%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		26.79%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		11.25%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		13.56%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	52.24%	51.60%
Service Charge	1	24.76	24.76	1	26.38	26.38	1.62	6.54%	14.90%	14.72%
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	-0.39	-0.39	0.76	-66.09%	-0.22%	-0.22%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Distribution Volumetric Rate	1,000	0.0255	25.50	1,000	0.0271	27.10	1.60	6.27%	15.31%	15.12%
Volumetric Smoothing Rider	1,000	-0.0012	-1.20	1,000	-0.0004	-0.40	0.80	-66.67%	-0.23%	-0.22%
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)			48.06			52.84	4.78	9.95%	29.85%	29.49%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.45%	0.44%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.10	6.77	67	0.10	6.77	0.00	0.00%	3.82%	3.78%
Line Losses on Cost of Power (based on TOU prices)	67	0.09	6.19	67	0.09	6.19	0.00	0.00%	3.50%	3.46%
Sub-Total: Distribution (based on two-tier RPP prices)			55.62			60.40	4.78	8.59%	34.12%	33.71%
Sub-Total: Distribution (based on TOU prices)			55.04			59.82	4.78	8.68%	33.80%	33.39%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.74%	3.69%
Retail Transmission Rate – Line and Transformation Connection S	1,067	0.0038	4.05	1,067	0.0038	4.05	0.00	0.00%	2.29%	2.26%
Sub-Total: Retail Transmission			10.67			10.67	0.00	0.00%	6.03%	5.96%
Sub-Total: Delivery (based on two-tier RPP prices)			66.29			71.07	4.78	7.21%	40.15%	39.66%
Sub-Total: Delivery (based on TOU prices)			65.71			70.49	4.78	7.27%	39.83%	39.34%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.65%	2.62%
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%	3.52%	3.47%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.95%	3.91%
Total Bill on Two-Tier RPP (before Taxes)			169.26			174.04	4.78	2.82%	98.33%	
HST		0.13	22.00		0.13	22.63	0.62	2.82%	12.78%	
Total Bill (including HST)			191.27			196.67	5.40	2.82%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.13		-0.10	-19.67	-0.54	2.82%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			172.14			177.00	4.86	2.82%	100.00%	
Total Bill on TOU (before Taxes)			171.40			176.18	4.78	2.79%		98.33%
HST		0.13	22.28		0.13	22.90	0.62	2.79%		12.78%
Total Bill (including HST)			193.68			199.08	5.40	2.79%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.37		-0.10	-19.91	-0.54	2.79%		-11.11%
Total Bill on TOU (including OCEB)			174.31			179.18	4.86	2.79%		100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	19.10%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	37.39%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	56.49%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		29.04%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		12.20%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		14.70%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	54.76%	55.93%
Service Charge	1	24.76	24.76	1	26.38	26.38	1.62	6.54%	7.81%	7.98%
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	-0.39	-0.39	0.76	-66.09%	-0.12%	-0.12%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.08%
Distribution Volumetric Rate	2,000	0.0255	51.00	2,000	0.0271	54.20	3.20	6.27%	16.05%	16.39%
Volumetric Smoothing Rider	2,000	-0.0012	-2.40	2,000	-0.0004	-0.80	1.60	-66.67%	-0.24%	-0.24%
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)			72.26			79.44	7.18	9.94%	23.52%	24.03%
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	0.10	13.53	134	0.10	13.53	0.00	0.00%	4.01%	4.09%
Line Losses on Cost of Power (based on TOU prices)	134	0.09	12.39	134	0.09	12.39	0.00	0.00%	3.67%	3.75%
Sub-Total: Distribution (based on two-tier RPP prices)			86.58			93.76	7.18	8.29%	27.77%	28.36%
Sub-Total: Distribution (based on TOU prices)			85.44			92.62	7.18	8.40%	27.43%	28.02%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	3.92%	4.00%
Retail Transmission Rate – Line and Transformation Connection S	2,134	0.0038	8.11	2,134	0.0038	8.11	0.00	0.00%	2.40%	2.45%
Sub-Total: Retail Transmission			21.34			21.34	0.00	0.00%	6.32%	6.45%
Sub-Total: Delivery (based on two-tier RPP prices)			107.92			115.10	7.18	6.65%	34.08%	34.82%
Sub-Total: Delivery (based on TOU prices)			106.78			113.96	7.18	6.72%	33.75%	34.47%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.78%	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%	3.61%	3.69%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.15%	4.23%
Total Bill on Two-Tier RPP (before Taxes)			324.87			332.05	7.18	2.21%	98.33%	
HST		0.13	42.23		0.13	43.17	0.93	2.21%	12.78%	
Total Bill (including HST)			367.11			375.22	8.11	2.21%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.71		-0.10	-37.52	-0.81	2.21%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			330.40			337.70	7.30	2.21%	100.00%	
Total Bill on TOU (before Taxes)			317.90			325.08	7.18	2.26%		98.33%
HST		0.13	41.33		0.13	42.26	0.93	2.26%		12.78%
Total Bill (including HST)			359.23			367.34	8.11	2.26%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.92		-0.10	-36.73	-0.81	2.26%		-11.11%
Total Bill on TOU (including OCEB)			323.30			330.61	7.30	2.26%		100.00%

2017 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.44%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	54.50%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	56.94%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		28.79%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		12.09%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		14.57%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	52.51%	55.45%
Service Charge	1	24.76	24.76	1	26.38	26.38	1.62	6.54%	1.00%	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	-1.15	-1.15	1	-0.39	-0.39	0.76	-66.09%	-0.01%	-0.02%
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	0.0255	382.50	15,000	0.0271	406.50	24.00	6.27%	15.39%	16.25%
Volumetric Smoothing Rider	15,000	-0.0012	-18.00	15,000	-0.0004	-6.00	12.00	-66.67%	-0.23%	-0.24%
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)			386.86			425.24	38.38	9.92%	16.10%	17.00%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.03%	0.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,005	0.10	101.51	1,005	0.10	101.51	0.00	0.00%	3.84%	4.06%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.09	92.92	1,005	0.09	92.92	0.00	0.00%	3.52%	3.72%
Sub-Total: Distribution (based on two-tier RPP prices)			489.16			527.54	38.38	7.85%	19.97%	21.09%
Sub-Total: Distribution (based on TOU prices)			480.57			518.95	38.38	7.99%	19.65%	20.75%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.76%	3.97%
Retail Transmission Rate – Line and Transformation Connection S	16,005	0.0038	60.82	16,005	0.0038	60.82	0.00	0.00%	2.30%	2.43%
Sub-Total: Retail Transmission			160.05			160.05	0.00	0.00%	6.06%	6.40%
Sub-Total: Delivery (based on two-tier RPP prices)			649.21			687.59	38.38	5.91%	26.03%	27.49%
Sub-Total: Delivery (based on TOU prices)			640.62			679.00	38.38	5.99%	25.71%	27.15%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.67%	2.82%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.73%	0.77%
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%	3.40%	3.59%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.98%	4.20%
Total Bill on Two-Tier RPP (before Taxes)			2,347.83			2,386.21	38.38	1.63%	90.35%	
HST		0.13	305.22		0.13	310.21	4.99	1.63%	11.75%	
Total Bill (including HST)			2,653.05			2,696.42	43.37	1.63%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-54.29		-0.10	-55.38	-1.08	1.99%	-2.10%	
Total Bill on Two-Tier RPP (including OCEB)			2,598.76			2,641.04	42.29	1.63%	100.00%	
Total Bill on TOU (before Taxes)			2,222.40			2,260.78	38.38	1.73%		90.39%
HST		0.13	288.91		0.13	293.90	4.99	1.73%		11.75%
Total Bill (including HST)			2,511.31			2,554.68	43.37	1.73%		102.14%
Ontario Clean Energy Benefit (OCEB)		-0.10	-52.48		-0.10	-53.56	-1.08	2.06%		-2.14%
Total Bill on TOU (including OCEB)			2,458.84			2,501.12	42.29	1.72%		100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	31.84%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	31.84%
Service Charge	1	4.39	4.39	1	4.57	4.57	0.18	4.10%	16.92%
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	-0.07	-0.07	0.13	-65.00%	-0.26%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.19%
Distribution Volumetric Rate	100	0.0988	9.88	100	0.1038	10.38	0.50	5.06%	38.43%
Volumetric Smoothing Rider	100	-0.0046	-0.46	100	-0.0015	-0.15	0.31	-67.39%	-0.56%
Volumetric Deferral/Variance Account Rider	100	0.0004	0.04	100	0.0005	0.05	0.01	25.00%	0.19%
Sub-Total: Distribution (excluding pass through)			13.70			14.83	1.13	8.25%	54.91%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	2.93%
Sub-Total: Distribution			14.49			15.62	1.13	7.80%	57.84%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.58%
Retail Transmission Rate – Line and Transformation Connection	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	1.29%
Sub-Total: Retail Transmission			0.78			0.78	0.00	0.00%	2.87%
Sub-Total: Delivery			15.27			16.40	1.13	7.40%	60.71%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.78%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.49%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.93%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.19%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.59%
Total Bill on Two-Tier RPP (before Taxes)			25.43			26.56	1.13	4.44%	98.33%
HST		0.13	3.31		0.13	3.45	0.15	4.44%	12.78%
Total Bill (including HST)			28.73			30.01	1.28	4.44%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-2.87		-0.10	-3.00	-0.13	4.44%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			25.86			27.01	1.15	4.44%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	37.22%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	37.22%
Service Charge	1	4.39	4.39	1	4.57	4.57	0.18	4.10%	3.96%
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	-0.07	-0.07	0.13	-65.00%	-0.06%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.04%
Distribution Volumetric Rate	500	0.0988	49.40	500	0.1038	51.90	2.50	5.06%	44.93%
Volumetric Smoothing Rider	500	-0.0046	-2.30	500	-0.0015	-0.75	1.55	-67.39%	-0.65%
Volumetric Deferral/Variance Account Rider	500	0.0004	0.20	500	0.0005	0.25	0.05	25.00%	0.22%
Sub-Total: Distribution (excluding pass through)			51.54			55.95	4.41	8.56%	48.43%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.42%
Sub-Total: Distribution			55.50			59.91	4.41	7.95%	51.86%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.84%
Retail Transmission Rate – Line and Transformation Connection	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.51%
Sub-Total: Retail Transmission			3.88			3.88	0.00	0.00%	3.36%
Sub-Total: Delivery			59.37			63.78	4.41	7.43%	55.21%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.08%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	0.00	0.00%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	2.86%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.03%
Total Bill on Two-Tier RPP (before Taxes)			109.18			113.59	4.41	4.04%	98.33%
HST			14.19		0.13	14.77	0.57	4.04%	12.78%
Total Bill (including HST)			123.37			128.36	4.98	4.04%	111.11%
Ontario Clean Energy Benefit (OCEB)			-0.10		-0.10	-12.84	-0.50	4.04%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			111.04			115.52	4.48	4.04%	100.00%

2017 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	13.74%
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	26.90%
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	40.64%
Service Charge	1	4.39	4.39	1	4.57	4.57	0.18	4.10%	0.97%
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	-0.07	-0.07	0.13	-65.00%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.0988	197.60	2,000	0.1038	207.60	10.00	5.06%	44.23%
Volumetric Smoothing Rider	2,000	-0.0046	-9.20	2,000	-0.0015	-3.00	6.20	-67.39%	-0.64%
Volumetric Deferral/Variance Account Rider	2,000	0.0004	0.80	2,000	0.0005	1.00	0.20	25.00%	0.21%
Sub-Total: Distribution (excluding pass through)			193.44			210.15	16.71	8.64%	44.78%
Line Losses on Cost of Power	184	0.10	18.58	184	0.10	18.58	0.00	0.00%	3.96%
Sub-Total: Distribution			212.02			228.73	16.71	7.88%	48.74%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.81%
Retail Transmission Rate – Line and Transformation Connection	2,184	0.0032	6.99	2,184	0.0032	6.99	0.00	0.00%	1.49%
Sub-Total: Retail Transmission			15.51			15.51	0.00	0.00%	3.30%
Sub-Total: Delivery			227.53			244.24	16.71	7.34%	52.04%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	2.05%
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%	2.66%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.98%
Total Bill on Two-Tier RPP (before Taxes)			444.76			461.47	16.71	3.76%	98.33%
HST		0.13	57.82		0.13	59.99	2.17	3.76%	12.78%
Total Bill (including HST)			502.58			521.46	18.88	3.76%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-50.26		-0.10	-52.15	-1.89	3.76%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			452.32			469.32	16.99	3.76%	100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.086	1.72	20	0.086	1.72	0.00	0.00%	20.23%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.72			1.72	0.00	0.00%	20.23%
Service Charge	1	2.78	2.78	1	3.04	3.04	0.26	9.35%	35.76%
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%	-0.47%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.35%
Distribution Volumetric Rate	20	0.1298	2.60	20	0.1406	2.81	0.22	8.32%	33.08%
Volumetric Smoothing Rider	20	-0.006	-0.12	20	-0.0021	-0.04	0.08	-65.00%	-0.49%
Volumetric Deferral/Variance Account Rider	20	0.0006	0.01	20	0.0007	0.01	0.00	16.67%	0.16%
Sub-Total: Distribution (excluding pass through)			5.17			5.81	0.65	12.50%	68.39%
Line Losses on Cost of Power	2	0.09	0.16	2	0.09	0.16	0.00	0.00%	1.86%
Sub-Total: Distribution			5.33			5.97	0.65	12.13%	70.25%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	1.00%
Retail Transmission Rate – Line and Transformation Connection	22	0.0032	0.07	22	0.0032	0.07	0.00	0.00%	0.82%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.82%
Sub-Total: Delivery			5.48			6.13	0.65	11.79%	72.07%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.13%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	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%	2.94%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	4.38%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.65%
Total Bill on Two-Tier RPP (before Taxes)			7.71			8.36	0.65	8.37%	98.33%
HST		0.13	1.00		0.13	1.09	0.08	8.37%	12.78%
Total Bill (including HST)			8.72			9.45	0.73	8.37%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.87		-0.10	-0.94	-0.07	8.37%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			7.84			8.50	0.66	8.37%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.086	4.30	50	0.086	4.30	0.00	0.00%	26.46%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	26.46%
Service Charge	1	2.78	2.78	1	3.04	3.04	0.26	9.35%	18.71%
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%	-0.25%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.18%
Distribution Volumetric Rate	50	0.1298	6.49	50	0.1406	7.03	0.54	8.32%	43.26%
Volumetric Smoothing Rider	50	-0.006	-0.30	50	-0.0021	-0.11	0.20	-65.00%	-0.65%
Volumetric Deferral/Variance Account Rider	50	0.0006	0.03	50	0.0007	0.04	0.01	16.67%	0.22%
Sub-Total: Distribution (excluding pass through)			8.90			9.99	1.09	12.25%	61.47%
Line Losses on Cost of Power	5	0.09	0.40	5	0.09	0.40	0.00	0.00%	2.43%
Sub-Total: Distribution			9.30			10.39	1.09	11.73%	63.91%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.31%
Retail Transmission Rate – Line and Transformation Connection	55	0.0032	0.17	55	0.0032	0.17	0.00	0.00%	1.08%
Sub-Total: Retail Transmission			0.39			0.39	0.00	0.00%	2.39%
Sub-Total: Delivery			9.68			10.77	1.09	11.26%	66.29%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.48%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	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%	1.54%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.42%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.15%
Total Bill on Two-Tier RPP (before Taxes)			14.89			15.98	1.09	7.32%	98.33%
HST		0.13	1.94		0.13	2.08	0.14	7.32%	12.78%
Total Bill (including HST)			16.82			18.06	1.23	7.32%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.68		-0.10	-1.81	-0.12	7.32%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			15.14			16.25	1.11	7.32%	100.00%

2017 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.086	17.20	200	0.086	17.20	0.00	0.00%	31.28%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17.20			17.20	0.00	0.00%	31.28%
Service Charge	1	2.78	2.78	1	3.04	3.04	0.26	9.35%	5.53%
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	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.05%
Distribution Volumetric Rate	200	0.1298	25.96	200	0.1406	28.12	2.16	8.32%	51.13%
Volumetric Smoothing Rider	200	-0.006	-1.20	200	-0.0021	-0.42	0.78	-65.00%	-0.76%
Volumetric Deferral/Variance Account Rider	200	0.0006	0.12	200	0.0007	0.14	0.02	16.67%	0.25%
Sub-Total: Distribution (excluding pass through)			27.56			30.87	3.31	12.01%	56.13%
Line Losses on Cost of Power	18	0.09	1.58	18	0.09	1.58	0.00	0.00%	2.88%
Sub-Total: Distribution			29.14			32.45	3.31	11.36%	59.01%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.55%
Retail Transmission Rate – Line and Transformation Connection	218	0.0032	0.70	218	0.0032	0.70	0.00	0.00%	1.27%
Sub-Total: Retail Transmission			1.55			1.55	0.00	0.00%	2.82%
Sub-Total: Delivery			30.69			34.00	3.31	10.78%	61.83%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.75%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	0.00	0.00%	0.48%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	2.68%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.55%
Total Bill on Two-Tier RPP (before Taxes)			50.77			54.08	3.31	6.52%	98.33%
HST		0.13	6.60		0.13	7.03	0.43	6.52%	12.78%
Total Bill (including HST)			57.37			61.11	3.74	6.52%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.74		-0.10	-6.11	-0.37	6.52%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			51.63			55.00	3.37	6.52%	100.00%

2017 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	15.70%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	15.70%
Service Charge	1	39.52	39.52	1	39.41	39.41	-0.11	-0.28%	71.94%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.84	-1.84	1	-0.58	-0.58	1.26	-68.48%	-1.06%
Fixed Deferral/Variance Account Rider	1	0.33	0.33	1	0.32	0.32	-0.01	-3.03%	0.58%
Distribution Volumetric Rate	100	0.0303	3.03	100	0.0297	2.97	-0.06	-1.98%	5.42%
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	0.0000	0.00	100	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			40.90			42.08	1.18	2.89%	76.82%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	1.44%
Sub-Total: Distribution			41.69			42.87	1.18	2.83%	78.26%
Retail Transmission Rate – Network Service Rate	109	0.0046	0.50	109	0.0046	0.50	0.00	0.00%	0.92%
Retail Transmission Rate – Line and Transformation Connection	109	0.003	0.33	109	0.003	0.33	0.00	0.00%	0.60%
Sub-Total: Retail Transmission			0.83			0.83	0.00	0.00%	1.52%
Sub-Total: Delivery			42.52			43.70	1.18	2.78%	79.78%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.88%
Rural Rate Protection Charge	109	0.0012	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%	1.57%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.28%
Total Bill on Two-Tier RPP (before Taxes)			52.68			53.86	1.18	2.24%	98.33%
HST		0.13	6.85		0.13	7.00	0.15	2.24%	12.78%
Total Bill (including HST)			59.53			60.86	1.33	2.24%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.95		-0.10	-6.09	-0.13	2.24%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			53.58			54.78	1.20	2.24%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	37.85%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	37.85%
Service Charge	1	39.52	39.52	1	39.41	39.41	-0.11	-0.28%	34.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.84	-1.84	1	-0.58	-0.58	1.26	-68.48%	-0.51%
Fixed Deferral/Variance Account Rider	1	0.33	0.33	1	0.32	0.32	-0.01	-3.03%	0.28%
Distribution Volumetric Rate	500	0.0303	15.15	500	0.0297	14.85	-0.30	-1.98%	13.07%
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	0.0000	0.00	500	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			52.46			53.80	1.34	2.55%	47.35%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.48%
Sub-Total: Distribution			56.42			57.76	1.34	2.38%	50.84%
Retail Transmission Rate – Network Service Rate	546	0.0046	2.51	546	0.0046	2.51	0.00	0.00%	2.21%
Retail Transmission Rate – Line and Transformation Connection	546	0.003	1.64	546	0.003	1.64	0.00	0.00%	1.44%
Sub-Total: Retail Transmission			4.15			4.15	0.00	0.00%	3.65%
Sub-Total: Delivery			60.57			61.91	1.34	2.21%	54.49%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.11%
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%	2.91%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.08%
Total Bill on Two-Tier RPP (before Taxes)			110.37			111.71	1.34	1.21%	98.33%
HST		0.13	14.35		0.13	14.52	0.17	1.21%	12.78%
Total Bill (including HST)			124.72			126.24	1.51	1.21%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.47		-0.10	-12.62	-0.15	1.21%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			112.25			113.61	1.36	1.21%	100.00%

2017 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	33.53%
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.13%
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	46.65%
Service Charge	1	39.52	39.52	1	39.41	39.41	-0.11	-0.28%	20.49%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.84	-1.84	1	-0.58	-0.58	1.26	-68.48%	-0.30%
Fixed Deferral/Variance Account Rider	1	0.33	0.33	1	0.32	0.32	-0.01	-3.03%	0.17%
Distribution Volumetric Rate	1,000	0.0303	30.30	1,000	0.0297	29.70	-0.60	-1.98%	15.44%
Volumetric Smoothing Rider	1,000	-0.0014	-1.40	1,000	-0.0004	-0.40	1.00	-71.43%	-0.21%
Volumetric Deferral/Variance Account Rider	1,000	0.0000	0.00	1,000	0	0.00	0.00	0.00%	0.00%
Sub-Total: Distribution (excluding pass through)			66.91			68.45	1.54	2.30%	35.58%
Line Losses on Cost of Power	92	0.10	9.29	92	0.10	9.29	0.00	0.00%	4.83%
Sub-Total: Distribution			76.20			77.74	1.54	2.02%	40.41%
Retail Transmission Rate – Network Service Rate	1,092	0.0046	5.02	1,092	0.0046	5.02	0.00	0.00%	2.61%
Retail Transmission Rate – Line and Transformation Connection	1,092	0.003	3.28	1,092	0.003	3.28	0.00	0.00%	1.70%
Sub-Total: Retail Transmission			8.30			8.30	0.00	0.00%	4.31%
Sub-Total: Delivery			84.50			86.04	1.54	1.82%	44.73%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.50%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	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%	0.13%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.31%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.64%
Total Bill on Two-Tier RPP (before Taxes)			187.62			189.16	1.54	0.82%	98.33%
HST		0.13	24.39		0.13	24.59	0.20	0.82%	12.78%
Total Bill (including HST)			212.01			213.75	1.74	0.82%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.20		-0.10	-21.37	-0.17	0.82%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			190.81			192.37	1.57	0.82%	100.00%

2017 Bill Impacts (Low Consumption Level)

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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)	15,915	0.086	1,368.69	15,915	0.086	1,368.69	0.00	0.00%	43.32%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,368.69			1,368.69	0.00	0.00%	43.32%
Service Charge	1	91.53	91.53	1	98.56	98.56	7.03	7.68%	3.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.26	-4.26	1	-1.44	-1.44	2.82	-66.20%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.65	0.65	1	0.68	0.68	0.03	4.62%	0.02%
Distribution Volumetric Rate	60	15.1456	908.74	60	16.4418	986.51	77.77	8.56%	31.23%
Volumetric Smoothing Rider	60	-0.7057	-42.34	60	-0.2405	-14.43	27.91	-65.92%	-0.46%
Volumetric Deferral/Variance Account Rider	60	0.016	0.96	60	0.021	1.26	0.30	31.25%	0.04%
Sub-Total: Distribution			955.27			1,071.14	115.86	12.13%	33.90%
Retail Transmission Rate – Network Service Rate	60	1.6422	98.53	60	1.6422	98.53	0.00	0.00%	3.12%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.0516	63.10	60	1.0516	63.10	0.00	0.00%	2.00%
Sub-Total: Retail Transmission			161.63			161.63	0.00	0.00%	5.12%
Sub-Total: Delivery			1,116.90			1,232.77	115.86	10.37%	39.02%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.22%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	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%	0.01%
Sub-Total: Regulatory			89.37			89.37	0.00	0.00%	2.83%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.32%
Total Bill on Two-Tier RPP (before Taxes)			2,679.97			2,795.83	115.86	4.32%	88.50%
HST		0.13	348.40		0.13	363.46	15.06	4.32%	11.50%
Total Bill (including HST)			3,028.36			3,159.29	130.93	4.32%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			3,028.36			3,159.29	130.93	4.32%	100.00%

2017 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)	37,135	0.086	3,193.61	37,135	0.086	3,193.61	0.00	0.00%	46.99%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,193.61			3,193.61	0.00	0.00%	46.99%
Service Charge	1	91.53	91.53	1	98.56	98.56	7.03	7.68%	1.45%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.26	-4.26	1	-1.44	-1.44	2.82	-66.20%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.65	0.65	1	0.68	0.68	0.03	4.62%	0.01%
Distribution Volumetric Rate	120	15.1456	1,817.47	120	16.4418	1,973.02	155.54	8.56%	29.03%
Volumetric Smoothing Rider	120	-0.7057	-84.68	120	-0.2405	-28.86	55.82	-65.92%	-0.42%
Volumetric Deferral/Variance Account Rider	120	0.016	1.92	120	0.021	2.52	0.60	31.25%	0.04%
Sub-Total: Distribution			1,822.63			2,044.48	221.85	12.17%	30.08%
Retail Transmission Rate – Network Service Rate	120	1.6422	197.06	120	1.6422	197.06	0.00	0.00%	2.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.0516	126.19	120	1.0516	126.19	0.00	0.00%	1.86%
Sub-Total: Retail Transmission			323.26			323.26	0.00	0.00%	4.76%
Sub-Total: Delivery			2,145.88			2,367.73	221.85	10.34%	34.84%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.40%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	3.06%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.60%
Total Bill on Two-Tier RPP (before Taxes)			5,792.70			6,014.55	221.85	3.83%	88.50%
HST		0.13	753.05		0.13	781.89	28.84	3.83%	11.50%
Total Bill (including HST)			6,545.75			6,796.44	250.69	3.83%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			6,545.75			6,796.44	250.69	3.83%	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)	185,675	0.086	15,968.05	185,675	0.086	15,968.05	0.00	0.00%	50.85%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,968.05			15,968.05	0.00	0.00%	50.85%
Service Charge	1	91.53	91.53	1	98.56	98.56	7.03	7.68%	0.31%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.26	-4.26	1	-1.44	-1.44	2.82	-66.20%	0.00%
Fixed Deferral/Variance Account Rider	1	0.65	0.65	1	0.68	0.68	0.03	4.62%	0.00%
Distribution Volumetric Rate	500	15.1456	7,572.80	500	16.4418	8,220.90	648.10	8.56%	26.18%
Volumetric Smoothing Rider	500	-0.7057	-352.85	500	-0.2405	-120.25	232.60	-65.92%	-0.38%
Volumetric Deferral/Variance Account Rider	500	0.016	8.00	500	0.021	10.50	2.50	31.25%	0.03%
Sub-Total: Distribution			7,315.87			8,208.95	893.08	12.21%	26.14%
Retail Transmission Rate – Network Service Rate	500	1.6422	821.10	500	1.6422	821.10	0.00	0.00%	2.61%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.0516	525.80	500	1.0516	525.80	0.00	0.00%	1.67%
Sub-Total: Retail Transmission			1,346.90			1,346.90	0.00	0.00%	4.29%
Sub-Total: Delivery			8,662.77			9,555.85	893.08	10.31%	30.43%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.60%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.31%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.90%
Total Bill on Two-Tier RPP (before Taxes)			26,895.85			27,788.93	893.08	3.32%	88.50%
HST		0.13	3,496.46		0.13	3,612.56	116.10	3.32%	11.50%
Total Bill (including HST)			30,392.31			31,401.49	1,009.18	3.32%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			30,392.31			31,401.49	1,009.18	3.32%	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)	15,750	0.086	1,354.50	15,750	0.086	1,354.50	0.00	0.00%	49.94%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,354.50			1,354.50	0.00	0.00%	49.94%
Service Charge	1	92.91	92.91	1	100.56	100.56	7.65	8.23%	3.71%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.33	-4.33	1	-1.47	-1.47	2.86	-66.05%	-0.05%
Fixed Deferral/Variance Account Rider	1	0.66	0.66	1	0.69	0.69	0.03	4.55%	0.03%
Distribution Volumetric Rate	60	8.6492	518.95	60	9.383	562.98	44.03	8.48%	20.76%
Volumetric Smoothing Rider	60	-0.403	-24.18	60	-0.1373	-8.24	15.94	-65.93%	-0.30%
Volumetric Deferral/Variance Account Rider	60	-0.043	-2.58	60	-0.0401	-2.41	0.17	-6.74%	-0.09%
Sub-Total: Distribution			581.43			652.12	70.68	12.16%	24.04%
Retail Transmission Rate – Network Service Rate	60	2.0526	123.16	60	2.0526	123.16	0.00	0.00%	4.54%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2844	77.06	60	1.2844	77.06	0.00	0.00%	2.84%
Sub-Total: Retail Transmission			200.22			200.22	0.00	0.00%	7.38%
Sub-Total: Delivery			781.65			852.34	70.68	9.04%	31.42%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.56%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	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%	0.01%
Sub-Total: Regulatory			88.45			88.45	0.00	0.00%	3.26%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.87%
Total Bill on Two-Tier RPP (before Taxes)			2,329.60			2,400.29	70.68	3.03%	88.50%
HST		0.13	302.85		0.13	312.04	9.19	3.03%	11.50%
Total Bill (including HST)			2,632.45			2,712.32	79.87	3.03%	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 OCEB)			2,632.45			2,712.32	79.87	3.03%	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)	36,750	0.086	3,160.50	36,750	0.086	3,160.50	0.00	0.00%	53.62%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,160.50			3,160.50	0.00	0.00%	53.62%
Service Charge	1	92.91	92.91	1	100.56	100.56	7.65	8.23%	1.71%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.33	-4.33	1	-1.47	-1.47	2.86	-66.05%	-0.02%
Fixed Deferral/Variance Account Rider	1	0.66	0.66	1	0.69	0.69	0.03	4.55%	0.01%
Distribution Volumetric Rate	120	8.6492	1,037.90	120	9.383	1,125.96	88.06	8.48%	19.10%
Volumetric Smoothing Rider	120	-0.403	-48.36	120	-0.1373	-16.48	31.88	-65.93%	-0.28%
Volumetric Deferral/Variance Account Rider	120	-0.043	-5.16	120	-0.0401	-4.81	0.35	-6.74%	-0.08%
Sub-Total: Distribution			1,073.62			1,204.45	130.83	12.19%	20.43%
Retail Transmission Rate – Network Service Rate	120	2.0526	246.31	120	2.0526	246.31	0.00	0.00%	4.18%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2844	154.13	120	1.2844	154.13	0.00	0.00%	2.61%
Sub-Total: Retail Transmission			400.44			400.44	0.00	0.00%	6.79%
Sub-Total: Delivery			1,474.06			1,604.89	130.83	8.88%	27.23%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.74%
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%	3.50%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.16%
Total Bill on Two-Tier RPP (before Taxes)			5,085.61			5,216.44	130.83	2.57%	88.50%
HST		0.13	661.13		0.13	678.14	17.01	2.57%	11.50%
Total Bill (including HST)			5,746.74			5,894.58	147.84	2.57%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			5,746.74			5,894.58	147.84	2.57%	100.00%

2017 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)	183,750	0.086	15,802.50	183,750	0.086	15,802.50	0.00	0.00%	57.25%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,802.50			15,802.50	0.00	0.00%	57.25%
Service Charge	1	92.91	92.91	1	100.56	100.56	7.65	8.23%	0.36%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-4.33	-4.33	1	-1.47	-1.47	2.86	-66.05%	-0.01%
Fixed Deferral/Variance Account Rider	1	0.66	0.66	1	0.69	0.69	0.03	4.55%	0.00%
Distribution Volumetric Rate	500	8.6492	4,324.60	500	9.383	4,691.50	366.90	8.48%	17.00%
Volumetric Smoothing Rider	500	-0.403	-201.50	500	-0.1373	-68.65	132.85	-65.93%	-0.25%
Volumetric Deferral/Variance Account Rider	500	-0.043	-21.50	500	-0.0401	-20.05	1.45	-6.74%	-0.07%
Sub-Total: Distribution			4,190.84			4,702.58	511.74	12.21%	17.04%
Retail Transmission Rate – Network Service Rate	500	2.0526	1,026.30	500	2.0526	1,026.30	0.00	0.00%	3.72%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2844	642.20	500	1.2844	642.20	0.00	0.00%	2.33%
Sub-Total: Retail Transmission			1,668.50			1,668.50	0.00	0.00%	6.04%
Sub-Total: Delivery			5,859.34			6,371.08	511.74	8.73%	23.08%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.93%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	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			1,029.25			1,029.25	0.00	0.00%	3.73%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.44%
Total Bill on Two-Tier RPP (before Taxes)			23,916.09			24,427.83	511.74	2.14%	88.50%
HST		0.13	3,109.09		0.13	3,175.62	66.53	2.14%	11.50%
Total Bill (including HST)			27,025.18			27,603.45	578.27	2.14%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			27,025.18			27,603.45	578.27	2.14%	100.00%

2017 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)	318	0.086	27.37	318	0.086	27.37	0.00	0.00%	7.12%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			27.37			27.37	0.00	0.00%	7.12%
Service Charge	1	208.09	208.09	1	238.69	238.69	30.60	14.71%	62.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-9.7	-9.70	1	-3.49	-3.49	6.21	-64.02%	-0.91%
Fixed Deferral/Variance Account Rider	1	1.93	1.93	1	2.12	2.12	0.19	9.84%	0.55%
Distribution Volumetric Rate	10	4.7988	47.99	10	6.2919	62.92	14.93	31.11%	16.38%
Volumetric Smoothing Rider	10	-0.2236	-2.24	10	-0.092	-0.92	1.32	-58.86%	-0.24%
Volumetric Deferral/Variance Account Rider	10	0.0154	0.15	10	0.0268	0.27	0.11	74.03%	0.07%
Sub-Total: Distribution			246.23			299.59	53.36	21.67%	77.97%
Retail Transmission Rate – Network Service Rate	10	0.5491	5.49	10	0.5491	5.49	0.00	0.00%	1.43%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3443	3.44	10	0.3443	3.44	0.00	0.00%	0.90%
Sub-Total: Retail Transmission			8.93			8.93	0.00	0.00%	2.33%
Sub-Total: Delivery			255.16			308.52	53.36	20.91%	80.30%
Wholesale Market Service Rate	318	0.0044	1.40	318	0.0044	1.40	0.00	0.00%	0.36%
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)			286.67			340.03	53.36	18.61%	88.50%
HST		0.13	37.27		0.13	44.20	6.94	18.61%	11.50%
Total Bill (including HST)			323.93			384.23	60.30	18.61%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			323.93			384.23	60.30	18.61%	100.00%

2017 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.086	182.49	2,122	0.086	182.49	0.00	0.00%	27.45%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			182.49			182.49	0.00	0.00%	27.45%
Service Charge	1	208.09	208.09	1	238.69	238.69	30.60	14.71%	35.90%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-9.7	-9.70	1	-3.49	-3.49	6.21	-64.02%	-0.52%
Fixed Deferral/Variance Account Rider	1	1.93	1.93	1	2.12	2.12	0.19	9.84%	0.32%
Distribution Volumetric Rate	20	4.7988	95.98	20	6.2919	125.84	29.86	31.11%	18.93%
Volumetric Smoothing Rider	20	-0.2236	-4.47	20	-0.092	-1.84	2.63	-58.86%	-0.28%
Volumetric Deferral/Variance Account Rider	20	0.0154	0.31	20	0.0268	0.54	0.23	74.03%	0.08%
Sub-Total: Distribution			292.13			361.85	69.72	23.87%	54.43%
Retail Transmission Rate – Network Service Rate	20	0.5491	10.98	20	0.5491	10.98	0.00	0.00%	1.65%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3443	6.89	20	0.3443	6.89	0.00	0.00%	1.04%
Sub-Total: Retail Transmission			17.87			17.87	0.00	0.00%	2.69%
Sub-Total: Delivery			310.00			379.72	69.72	22.49%	57.12%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.40%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	0.00	0.00%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.04%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	1.83%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.11%
Total Bill on Two-Tier RPP (before Taxes)			518.63			588.35	69.72	13.44%	88.50%
HST		0.13	67.42		0.13	76.49	9.06	13.44%	11.50%
Total Bill (including HST)			586.05			664.83	78.79	13.44%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			586.05			664.83	78.79	13.44%	100.00%

2017 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)	5,305	0.086	456.23	5,305	0.086	456.23	0.00	0.00%	27.46%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			456.23			456.23	0.00	0.00%	27.46%
Service Charge	1	208.09	208.09	1	238.69	238.69	30.60	14.71%	14.36%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-9.7	-9.70	1	-3.49	-3.49	6.21	-64.02%	-0.21%
Fixed Deferral/Variance Account Rider	1	1.93	1.93	1	2.12	2.12	0.19	9.84%	0.13%
Distribution Volumetric Rate	100	4.7988	479.88	100	6.2919	629.19	149.31	31.11%	37.86%
Volumetric Smoothing Rider	100	-0.2236	-22.36	100	-0.092	-9.20	13.16	-58.86%	-0.55%
Volumetric Deferral/Variance Account Rider	100	0.0154	1.54	100	0.0268	2.68	1.14	74.03%	0.16%
Sub-Total: Distribution			659.38			859.99	200.61	30.42%	51.75%
Retail Transmission Rate – Network Service Rate	100	0.5491	54.91	100	0.5491	54.91	0.00	0.00%	3.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3443	34.43	100	0.3443	34.43	0.00	0.00%	2.07%
Sub-Total: Retail Transmission			89.34			89.34	0.00	0.00%	5.38%
Sub-Total: Delivery			748.72			949.33	200.61	26.79%	57.13%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.40%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.02%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	1.80%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	2.11%
Total Bill on Two-Tier RPP (before Taxes)			1,269.91			1,470.52	200.61	15.80%	88.50%
HST		0.13	165.09		0.13	191.17	26.08	15.80%	11.50%
Total Bill (including HST)			1,435.00			1,661.69	226.69	15.80%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			1,435.00			1,661.69	226.69	15.80%	100.00%

2017 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)	206,800	0.086	17,784.80	206,800	0.086	17,784.80	0.00	0.00%	61.89%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,784.80			17,784.80	0.00	0.00%	61.89%
Service Charge	1	1223.95	1,223.95	1	1258.49	1,258.49	34.54	2.82%	4.38%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-43.24	-43.24	1	-14.19	-14.19	29.05	-67.18%	-0.05%
Fixed Deferral/Variance Account Rider	1	6.5	6.50	1	6.55	6.55	0.05	0.77%	0.02%
Distribution Volumetric Rate	500	1.25	625.00	500	1.3182	659.10	34.10	5.46%	2.29%
Volumetric Smoothing Rider	500	-0.063	-31.50	500	-0.0207	-10.35	21.15	-67.14%	-0.04%
Volumetric Deferral/Variance Account Rider	500	0.1891	94.55	500	0.1875	93.75	-0.80	-0.85%	0.33%
Sub-Total: Distribution			1,875.26			1,993.35	118.09	6.30%	6.94%
Retail Transmission Rate – Network Service Rate	500	3.5654	1,782.70	500	3.5654	1,782.70	0.00	0.00%	6.20%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6212	1,310.60	500	2.6212	1,310.60	0.00	0.00%	4.56%
Sub-Total: Retail Transmission			3,093.30			3,093.30	0.00	0.00%	10.76%
Sub-Total: Delivery			4,968.56			5,086.65	118.09	2.38%	17.70%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.17%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.03%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.87%
Total Bill on Two-Tier RPP (before Taxes)			25,311.69			25,429.78	118.09	0.47%	88.50%
HST		0.13	3,290.52		0.13	3,305.87	15.35	0.47%	11.50%
Total Bill (including HST)			28,602.21			28,735.65	133.44	0.47%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,602.21			28,735.65	133.44	0.47%	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)	517,000	0.086	44,462.00	517,000	0.086	44,462.00	0.00	0.00%	65.82%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			44,462.00			44,462.00	0.00	0.00%	65.82%
Service Charge	1	1223.95	1,223.95	1	1258.49	1,258.49	34.54	2.82%	1.86%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-43.24	-43.24	1	-14.19	-14.19	29.05	-67.18%	-0.02%
Fixed Deferral/Variance Account Rider	1	6.5	6.50	1	6.55	6.55	0.05	0.77%	0.01%
Distribution Volumetric Rate	1,000	1.25	1,250.00	1,000	1.3182	1,318.20	68.20	5.46%	1.95%
Volumetric Smoothing Rider	1,000	-0.063	-63.00	1,000	-0.0207	-20.70	42.30	-67.14%	-0.03%
Volumetric Deferral/Variance Account Rider	1,000	0.1891	189.10	1,000	0.1875	187.50	-1.60	-0.85%	0.28%
Sub-Total: Distribution			2,563.31			2,735.85	172.54	6.73%	4.05%
Retail Transmission Rate – Network Service Rate	1,000	3.5654	3,565.40	1,000	3.5654	3,565.40	0.00	0.00%	5.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6212	2,621.20	1,000	2.6212	2,621.20	0.00	0.00%	3.88%
Sub-Total: Retail Transmission			6,186.60			6,186.60	0.00	0.00%	9.16%
Sub-Total: Delivery			8,749.91			8,922.45	172.54	1.97%	13.21%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.37%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	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			2,895.45			2,895.45	0.00	0.00%	4.29%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.18%
Total Bill on Two-Tier RPP (before Taxes)			59,607.36			59,779.90	172.54	0.29%	88.50%
HST		0.13	7,748.96		0.13	7,771.39	22.43	0.29%	11.50%
Total Bill (including HST)			67,356.32			67,551.29	194.97	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 OCEB)			67,356.32			67,551.29	194.97	0.29%	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)	4,136,000	0.086	355,696.00	4,136,000	0.086	355,696.00	0.00	0.00%	64.93%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			355,696.00			355,696.00	0.00	0.00%	64.93%
Service Charge	1	1223.95	1,223.95	1	1258.49	1,258.49	34.54	2.82%	0.23%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-43.24	-43.24	1	-14.19	-14.19	29.05	-67.18%	0.00%
Fixed Deferral/Variance Account Rider	1	6.5	6.50	1	6.55	6.55	0.05	0.77%	0.00%
Distribution Volumetric Rate	10,000	1.25	12,500.00	10,000	1.3182	13,182.00	682.00	5.46%	2.41%
Volumetric Smoothing Rider	10,000	-0.063	-630.00	10,000	-0.0207	-207.00	423.00	-67.14%	-0.04%
Volumetric Deferral/Variance Account Rider	10,000	0.1891	1,891.00	10,000	0.1875	1,875.00	-16.00	-0.85%	0.34%
Sub-Total: Distribution			14,948.21			16,100.85	1,152.64	7.71%	2.94%
Retail Transmission Rate – Network Service Rate	10,000	3.5654	35,654.00	10,000	3.5654	35,654.00	0.00	0.00%	6.51%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6212	26,212.00	10,000	2.6212	26,212.00	0.00	0.00%	4.78%
Sub-Total: Retail Transmission			61,866.00			61,866.00	0.00	0.00%	11.29%
Sub-Total: Delivery			76,814.21			77,966.85	1,152.64	1.50%	14.23%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.32%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.91%
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			23,161.85			23,161.85	0.00	0.00%	4.23%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.11%
Total Bill on Two-Tier RPP (before Taxes)			483,672.06			484,824.70	1,152.64	0.24%	88.50%
HST		0.13	62,877.37		0.13	63,027.21	149.84	0.24%	11.50%
Total Bill (including HST)			546,549.43			547,851.91	1,302.48	0.24%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			546,549.43			547,851.91	1,302.48	0.24%	100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	24.01%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	24.01%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		13.15%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		5.52%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		6.66%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	25.81%	25.32%
Service Charge	1	20.68	20.68	1	20.01	20.01	-0.67	-3.24%	55.86%	54.80%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.3	-0.30	1	0.53	0.53	0.83	-276.67%	1.48%	1.45%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.61%	0.60%
Distribution Volumetric Rate	100	0.0179	1.79	100	0.0174	1.74	-0.05	-2.79%	4.86%	4.77%
Volumetric Smoothing Rider	100	-0.0003	-0.03	100	0.0005	0.05	0.08	-266.67%	0.14%	0.14%
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)			22.36			22.54	0.18	0.81%	62.93%	61.73%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.21%	2.16%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.09	0.49	6	0.09	0.49	0.00	0.00%	1.37%	1.34%
Line Losses on Cost of Power (based on TOU prices)	6	0.09	0.53	6	0.09	0.53	0.00	0.00%	1.47%	1.44%
Sub-Total: Distribution (based on two-tier RPP prices)			23.64			23.82	0.18	0.76%	66.50%	65.24%
Sub-Total: Distribution (based on TOU prices)			23.68			23.86	0.18	0.76%	66.60%	65.34%
Retail Transmission Rate – Network Service Rate	106	0.0071	0.75	106	0.0071	0.75	0.00	0.00%	2.10%	2.06%
Retail Transmission Rate – Line and Transformation Connection S	106	0.0048	0.51	106	0.0048	0.51	0.00	0.00%	1.42%	1.39%
Sub-Total: Retail Transmission			1.26			1.26	0.00	0.00%	3.51%	3.44%
Sub-Total: Delivery (based on two-tier RPP prices)			24.90			25.08	0.18	0.72%	70.01%	68.68%
Sub-Total: Delivery (based on TOU prices)			24.93			25.11	0.18	0.72%	70.12%	68.78%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.30%	1.27%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	0.00	0.00%	0.35%	0.35%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.70%	0.68%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.35%	2.31%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.95%	1.92%
Total Bill on Two-Tier RPP (before Taxes)			35.04			35.22	0.18	0.51%	98.33%	
HST		0.13	4.56		0.13	4.58	0.02	0.51%	12.78%	
Total Bill (including HST)			39.60			39.80	0.20	0.51%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.96		-0.10	-3.98	-0.02	0.51%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			35.64			35.82	0.18	0.51%	100.00%	
Total Bill on TOU (before Taxes)			35.72			35.90	0.18	0.50%		98.33%
HST		0.13	4.64		0.13	4.67	0.02	0.50%		12.78%
Total Bill (including HST)			40.37			40.57	0.20	0.50%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.04		-0.10	-4.06	-0.02	0.50%		-11.11%
Total Bill on TOU (including OCEB)			36.33			36.51	0.18	0.50%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	845.6
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	38.19%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	14.95%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	53.15%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		28.05%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		11.78%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		14.20%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	54.75%	54.03%
Service Charge	1	20.68	20.68	1	20.01	20.01	-0.67	-3.24%	14.81%	14.62%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.3	-0.30	1	0.53	0.53	0.83	-276.67%	0.39%	0.39%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.16%	0.16%
Distribution Volumetric Rate	800	0.0179	14.32	800	0.0174	13.92	-0.40	-2.79%	10.30%	10.17%
Volumetric Smoothing Rider	800	-0.0003	-0.24	800	0.0005	0.40	0.64	-266.67%	0.30%	0.29%
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)			34.61			35.00	0.39	1.13%	25.91%	25.56%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.58%	0.58%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.10	4.61	46	0.10	4.61	0.00	0.00%	3.41%	3.36%
Line Losses on Cost of Power (based on TOU prices)	46	0.09	4.22	46	0.09	4.22	0.00	0.00%	3.12%	3.08%
Sub-Total: Distribution (based on two-tier RPP prices)			40.01			40.40	0.39	0.97%	29.90%	29.51%
Sub-Total: Distribution (based on TOU prices)			39.62			40.01	0.39	0.98%	29.61%	29.22%
Retail Transmission Rate – Network Service Rate	846	0.0071	6.00	846	0.0071	6.00	0.00	0.00%	4.44%	4.39%
Retail Transmission Rate – Line and Transformation Connection S	846	0.0048	4.06	846	0.0048	4.06	0.00	0.00%	3.00%	2.96%
Sub-Total: Retail Transmission			10.06			10.06	0.00	0.00%	7.45%	7.35%
Sub-Total: Delivery (based on two-tier RPP prices)			50.07			50.46	0.39	0.78%	37.35%	36.85%
Sub-Total: Delivery (based on TOU prices)			49.68			50.07	0.39	0.79%	37.06%	36.57%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.75%	2.72%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.75%	0.74%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.18%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.69%	3.64%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.15%	4.09%
Total Bill on Two-Tier RPP (before Taxes)			132.45			132.84	0.39	0.29%	98.33%	
HST		0.13	17.22		0.13	17.27	0.05	0.29%	12.78%	
Total Bill (including HST)			149.67			150.11	0.44	0.29%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.97		-0.10	-15.01	-0.04	0.29%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			134.71			135.10	0.40	0.29%	100.00%	
Total Bill on TOU (before Taxes)			134.23			134.62	0.39	0.29%		98.33%
HST		0.13	17.45		0.13	17.50	0.05	0.29%		12.78%
Total Bill (including HST)			151.68			152.12	0.44	0.29%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.17		-0.10	-15.21	-0.04	0.29%		-11.11%
Total Bill on TOU (including OCEB)			136.51			136.91	0.40	0.29%		100.00%

2018 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2114
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	16.21%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	44.43%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	60.65%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		31.07%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		13.05%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.73%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	58.11%	59.84%
Service Charge	1	20.68	20.68	1	20.01	20.01	-0.67	-3.24%	6.29%	6.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.3	-0.30	1	0.53	0.53	0.83	-276.67%	0.17%	0.17%
Fixed Deferral/Variance Account Rider	1	0.23	0.23	1	0.22	0.22	-0.01	-4.35%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0179	35.80	2,000	0.0174	34.80	-1.00	-2.79%	10.94%	11.26%
Volumetric Smoothing Rider	2,000	-0.0003	-0.60	2,000	0.0005	1.00	1.60	-266.67%	0.31%	0.32%
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)			55.61			56.36	0.75	1.35%	17.71%	18.24%
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)	114	0.10	11.51	114	0.10	11.51	0.00	0.00%	3.62%	3.73%
Line Losses on Cost of Power (based on TOU prices)	114	0.09	10.54	114	0.09	10.54	0.00	0.00%	3.31%	3.41%
Sub-Total: Distribution (based on two-tier RPP prices)			67.91			68.66	0.75	1.10%	21.58%	22.22%
Sub-Total: Distribution (based on TOU prices)			66.94			67.69	0.75	1.12%	21.27%	21.90%
Retail Transmission Rate – Network Service Rate	2,114	0.0071	15.01	2,114	0.0071	15.01	0.00	0.00%	4.72%	4.86%
Retail Transmission Rate – Line and Transformation Connection S	2,114	0.0048	10.15	2,114	0.0048	10.15	0.00	0.00%	3.19%	3.28%
Sub-Total: Retail Transmission			25.16			25.16	0.00	0.00%	7.91%	8.14%
Sub-Total: Delivery (based on two-tier RPP prices)			93.07			93.82	0.75	0.81%	29.48%	30.36%
Sub-Total: Delivery (based on TOU prices)			92.10			92.85	0.75	0.81%	29.18%	30.05%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	2.92%	3.01%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	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			12.09			12.09	0.00	0.00%	3.80%	3.91%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.40%	4.53%
Total Bill on Two-Tier RPP (before Taxes)			312.16			312.91	0.75	0.24%	98.33%	
HST		0.13	40.58		0.13	40.68	0.10	0.24%	12.78%	
Total Bill (including HST)			352.74			353.59	0.85	0.24%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.27		-0.10	-35.36	-0.08	0.24%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			317.47			318.23	0.76	0.24%	100.00%	
Total Bill on TOU (before Taxes)			303.11			303.86	0.75	0.25%		98.33%
HST		0.13	39.40		0.13	39.50	0.10	0.25%		12.78%
Total Bill (including HST)			342.51			343.36	0.85	0.25%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.25		-0.10	-34.34	-0.08	0.25%		-11.11%
Total Bill on TOU (including OCEB)			308.26			309.02	0.76	0.25%		100.00%

2018 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	107.6
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	18.65%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	18.65%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		10.25%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		4.31%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		5.19%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	20.05%	19.75%
Service Charge	1	29.16	29.16	1	28.31	28.31	-0.85	-2.91%	61.39%	60.47%
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	0.74	0.74	1.17	-272.09%	1.60%	1.58%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.27	0.27	-0.01	-3.57%	0.59%	0.58%
Distribution Volumetric Rate	100	0.0323	3.23	100	0.0315	3.15	-0.08	-2.48%	6.83%	6.73%
Volumetric Smoothing Rider	100	-0.0005	-0.05	100	0.0008	0.08	0.13	-260.00%	0.17%	0.17%
Volumetric Deferral/Variance Account Rider	100	0.0000	0.00	100	-0.0001	-0.01	-0.01	0.00%	-0.02%	-0.02%
Sub-Total: Distribution (excluding pass through)			32.19			32.54	0.35	1.09%	70.57%	69.50%
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	0.09	0.65	8	0.09	0.65	0.00	0.00%	1.42%	1.40%
Line Losses on Cost of Power (based on TOU prices)	8	0.09	0.70	8	0.09	0.70	0.00	0.00%	1.52%	1.50%
Sub-Total: Distribution (based on two-tier RPP prices)			33.63			33.98	0.35	1.04%	73.70%	72.59%
Sub-Total: Distribution (based on TOU prices)			33.68			34.03	0.35	1.04%	73.80%	72.69%
Retail Transmission Rate – Network Service Rate	108	0.0066	0.71	108	0.0066	0.71	0.00	0.00%	1.54%	1.52%
Retail Transmission Rate – Line and Transformation Connection	108	0.0046	0.49	108	0.0046	0.49	0.00	0.00%	1.07%	1.06%
Sub-Total: Retail Transmission			1.21			1.21	0.00	0.00%	2.61%	2.57%
Sub-Total: Delivery (based on two-tier RPP prices)			34.84			35.19	0.35	1.00%	76.31%	75.16%
Sub-Total: Delivery (based on TOU prices)			34.89			35.24	0.35	1.00%	76.42%	75.26%
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%	0.53%
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)			44.99			45.34	0.35	0.78%	98.33%	
HST		0.13	5.85		0.13	5.89	0.05	0.78%	12.78%	
Total Bill (including HST)			50.84			51.24	0.40	0.78%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.08		-0.10	-5.12	-0.04	0.78%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			45.76			46.11	0.36	0.78%	100.00%	
Total Bill on TOU (before Taxes)			45.69			46.04	0.35	0.77%		98.33%
HST		0.13	5.94		0.13	5.98	0.05	0.77%	12.78%	
Total Bill (including HST)			51.63			52.02	0.40	0.77%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.16		-0.10	-5.20	-0.04	0.77%	-11.11%	
Total Bill on TOU (including OCEB)			46.46			46.82	0.36	0.77%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	32.92%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	12.89%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	45.81%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		24.24%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		10.18%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		12.27%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	47.19%	46.69%
Service Charge	1	29.16	29.16	1	28.31	28.31	-0.85	-2.91%	18.06%	17.87%
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	0.74	0.74	1.17	-272.09%	0.47%	0.47%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.27	0.27	-0.01	-3.57%	0.17%	0.17%
Distribution Volumetric Rate	800	0.0323	25.84	800	0.0315	25.20	-0.64	-2.48%	16.08%	15.91%
Volumetric Smoothing Rider	800	-0.0005	-0.40	800	0.0008	0.64	1.04	-260.00%	0.41%	0.40%
Volumetric Deferral/Variance Account Rider	800	0.0000	0.00	800	-0.0001	-0.08	-0.08	0.00%	-0.05%	-0.05%
Sub-Total: Distribution (excluding pass through)			54.45			55.08	0.63	1.16%	35.14%	34.77%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.50%	0.50%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.10	6.14	61	0.10	6.14	0.00	0.00%	3.92%	3.88%
Line Losses on Cost of Power (based on TOU prices)	61	0.09	5.62	61	0.09	5.62	0.00	0.00%	3.59%	3.55%
Sub-Total: Distribution (based on two-tier RPP prices)			61.38			62.01	0.63	1.03%	39.56%	39.14%
Sub-Total: Distribution (based on TOU prices)			60.86			61.49	0.63	1.04%	39.23%	38.82%
Retail Transmission Rate – Network Service Rate	861	0.0066	5.68	861	0.0066	5.68	0.00	0.00%	3.62%	3.59%
Retail Transmission Rate – Line and Transformation Connection S	861	0.0046	3.96	861	0.0046	3.96	0.00	0.00%	2.53%	2.50%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	6.15%	6.09%
Sub-Total: Delivery (based on two-tier RPP prices)			71.02			71.65	0.63	0.89%	45.71%	45.23%
Sub-Total: Delivery (based on TOU prices)			70.50			71.13	0.63	0.89%	45.38%	44.90%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.42%	2.39%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	0.00	0.00%	0.66%	0.65%
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%	3.23%	3.20%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.57%	3.53%
Total Bill on Two-Tier RPP (before Taxes)			153.49			154.12	0.63	0.41%	98.33%	
HST		0.13	19.95		0.13	20.04	0.08	0.41%	12.78%	
Total Bill (including HST)			173.45			174.16	0.71	0.41%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.34		-0.10	-17.42	-0.07	0.41%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			156.10			156.74	0.64	0.41%	100.00%	
Total Bill on TOU (before Taxes)			155.14			155.77	0.63	0.41%		98.33%
HST		0.13	20.17		0.13	20.25	0.08	0.41%		12.78%
Total Bill (including HST)			175.31			176.02	0.71	0.41%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.53		-0.10	-17.60	-0.07	0.41%		-11.11%
Total Bill on TOU (including OCEB)			157.78			158.42	0.64	0.41%		100.00%

2018 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2152
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	14.36%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	39.36%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	53.72%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		27.45%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.53%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		13.90%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	51.47%	52.87%
Service Charge	1	29.16	29.16	1	28.31	28.31	-0.85	-2.91%	7.88%	8.09%
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	0.74	0.74	1.17	-272.09%	0.21%	0.21%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.27	0.27	-0.01	-3.57%	0.08%	0.08%
Distribution Volumetric Rate	2,000	0.0323	64.60	2,000	0.0315	63.00	-1.60	-2.48%	17.54%	18.01%
Volumetric Smoothing Rider	2,000	-0.0005	-1.00	2,000	0.0008	1.60	2.60	-260.00%	0.45%	0.46%
Volumetric Deferral/Variance Account Rider	2,000	0.0000	0.00	2,000	-0.0001	-0.20	-0.20	0.00%	-0.06%	-0.06%
Sub-Total: Distribution (excluding pass through)			92.61			93.72	1.11	1.20%	26.09%	26.80%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.10	15.35	152	0.10	15.35	0.00	0.00%	4.27%	4.39%
Line Losses on Cost of Power (based on TOU prices)	152	0.09	14.05	152	0.09	14.05	0.00	0.00%	3.91%	4.02%
Sub-Total: Distribution (based on two-tier RPP prices)			108.75			109.86	1.11	1.02%	30.58%	31.41%
Sub-Total: Distribution (based on TOU prices)			107.45			108.56	1.11	1.03%	30.22%	31.04%
Retail Transmission Rate – Network Service Rate	2,152	0.0066	14.20	2,152	0.0066	14.20	0.00	0.00%	3.95%	4.06%
Retail Transmission Rate – Line and Transformation Connection S	2,152	0.0046	9.90	2,152	0.0046	9.90	0.00	0.00%	2.76%	2.83%
Sub-Total: Retail Transmission			24.10			24.10	0.00	0.00%	6.71%	6.89%
Sub-Total: Delivery (based on two-tier RPP prices)			132.85			133.96	1.11	0.84%	37.29%	38.30%
Sub-Total: Delivery (based on TOU prices)			131.56			132.67	1.11	0.84%	36.93%	37.93%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.64%	2.71%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	0.00	0.00%	0.72%	0.74%
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%	3.42%	3.52%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.90%	4.00%
Total Bill on Two-Tier RPP (before Taxes)			352.16			353.27	1.11	0.32%	98.33%	
HST		0.13	45.78		0.13	45.92	0.14	0.32%	12.78%	
Total Bill (including HST)			397.94			399.19	1.25	0.32%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.79		-0.10	-39.92	-0.13	0.32%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			358.14			359.27	1.13	0.32%	100.00%	
Total Bill on TOU (before Taxes)			342.78			343.89	1.11	0.32%		98.33%
HST		0.13	44.56		0.13	44.71	0.14	0.32%		12.78%
Total Bill (including HST)			387.34			388.59	1.25	0.32%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.73		-0.10	-38.86	-0.13	0.32%		-11.11%
Total Bill on TOU (including OCEB)			348.60			349.73	1.13	0.32%		100.00%

2018 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	110.5
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	12.31%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	12.31%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		6.80%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		2.86%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		3.44%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	13.24%	13.10%
Service Charge	1	45.19	45.19	1	47.42	47.42	2.23	4.93%	67.88%	67.19%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.11	-1.11	1	2.05	2.05	3.16	-284.68%	2.93%	2.90%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.59	0.59	0.01	1.72%	0.84%	0.84%
Distribution Volumetric Rate	100	0.0517	5.17	100	0.054	5.40	0.23	4.45%	7.73%	7.65%
Volumetric Smoothing Rider	100	-0.0008	-0.08	100	0.0014	0.14	0.22	-275.00%	0.20%	0.20%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.01%	0.01%
Sub-Total: Distribution (excluding pass through)			49.76			55.61	5.85	11.76%	79.61%	78.79%
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	0.09	0.90	11	0.09	0.90	0.00	0.00%	1.29%	1.28%
Line Losses on Cost of Power (based on TOU prices)	11	0.09	0.97	11	0.09	0.97	0.00	0.00%	1.39%	1.38%
Sub-Total: Distribution (based on two-tier RPP prices)			51.45			57.30	5.85	11.37%	82.03%	81.19%
Sub-Total: Distribution (based on TOU prices)			51.52			57.37	5.85	11.35%	82.13%	81.28%
Retail Transmission Rate – Network Service Rate	111	0.0065	0.72	111	0.0065	0.72	0.00	0.00%	1.03%	1.02%
Retail Transmission Rate – Line and Transformation Connection S	111	0.0045	0.50	111	0.0045	0.50	0.00	0.00%	0.71%	0.70%
Sub-Total: Retail Transmission			1.22			1.22	0.00	0.00%	1.74%	1.72%
Sub-Total: Delivery (based on two-tier RPP prices)			52.67			58.52	5.85	11.11%	83.77%	82.91%
Sub-Total: Delivery (based on TOU prices)			52.74			58.59	5.85	11.09%	83.87%	83.01%
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%	1.24%	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)			62.84			68.69	5.85	9.31%	98.33%	
HST		0.13	8.17		0.13	8.93	0.76	9.31%	12.78%	
Total Bill (including HST)			71.01			77.62	6.61	9.31%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.10		-0.10	-7.76	-0.66	9.31%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			63.91			69.85	5.95	9.31%	100.00%	
Total Bill on TOU (before Taxes)			63.55			69.40	5.85	9.21%		98.33%
HST		0.13	8.26		0.13	9.02	0.76	9.21%		12.78%
Total Bill (including HST)			71.81			78.42	6.61	9.21%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.18		-0.10	-7.84	-0.66	9.21%		-11.11%
Total Bill on TOU (including OCEB)			64.63			70.58	5.95	9.21%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	884
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	25.88%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	10.13%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	36.01%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		19.12%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		8.03%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		9.68%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	37.10%	36.82%
Service Charge	1	45.19	45.19	1	47.42	47.42	2.23	4.93%	23.78%	23.61%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-1.11	-1.11	1	2.05	2.05	3.16	-284.68%	1.03%	1.02%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.59	0.59	0.01	1.72%	0.30%	0.29%
Distribution Volumetric Rate	800	0.0517	41.36	800	0.054	43.20	1.84	4.45%	21.67%	21.51%
Volumetric Smoothing Rider	800	-0.0008	-0.64	800	0.0014	1.12	1.76	-275.00%	0.56%	0.56%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			85.46			94.46	9.00	10.53%	47.37%	47.03%
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)	84	0.10	8.48	84	0.10	8.48	0.00	0.00%	4.25%	4.22%
Line Losses on Cost of Power (based on TOU prices)	84	0.09	7.77	84	0.09	7.77	0.00	0.00%	3.90%	3.87%
Sub-Total: Distribution (based on two-tier RPP prices)			94.73			103.73	9.00	9.50%	52.03%	51.64%
Sub-Total: Distribution (based on TOU prices)			94.02			103.02	9.00	9.57%	51.67%	51.29%
Retail Transmission Rate – Network Service Rate	884	0.0065	5.75	884	0.0065	5.75	0.00	0.00%	2.88%	2.86%
Retail Transmission Rate – Line and Transformation Connection	884	0.0045	3.98	884	0.0045	3.98	0.00	0.00%	2.00%	1.98%
Sub-Total: Retail Transmission			9.72			9.72	0.00	0.00%	4.88%	4.84%
Sub-Total: Delivery (based on two-tier RPP prices)			104.46			113.46	9.00	8.62%	56.90%	56.48%
Sub-Total: Delivery (based on TOU prices)			103.74			112.74	9.00	8.68%	56.54%	56.13%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	1.95%	1.94%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	0.00	0.00%	0.53%	0.53%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.13%	0.12%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.61%	2.59%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.81%	2.79%
Total Bill on Two-Tier RPP (before Taxes)			187.06			196.06	9.00	4.81%	98.33%	
HST		0.13	24.32		0.13	25.49	1.17	4.81%	12.78%	
Total Bill (including HST)			211.38			221.55	10.17	4.81%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.14		-0.10	-22.15	-1.02	4.81%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			190.24			199.39	9.15	4.81%	100.00%	
Total Bill on TOU (before Taxes)			188.51			197.51	9.00	4.77%		98.33%
HST		0.13	24.51		0.13	25.68	1.17	4.77%		12.78%
Total Bill (including HST)			213.02			223.19	10.17	4.77%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.30		-0.10	-22.32	-1.02	4.77%		-11.11%
Total Bill on TOU (including OCEB)			191.71			200.87	9.15	4.77%		100.00%

2018 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2210
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	11.88%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	32.56%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	44.44%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		22.63%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		9.50%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		11.46%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	42.58%	43.59%
Service Charge	1	45.19	45.19	1	47.42	47.42	2.23	4.93%	10.92%	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	-1.11	-1.11	1	2.05	2.05	3.16	-284.68%	0.47%	0.48%
Fixed Deferral/Variance Account Rider	1	0.58	0.58	1	0.59	0.59	0.01	1.72%	0.14%	0.14%
Distribution Volumetric Rate	2,000	0.0517	103.40	2,000	0.054	108.00	4.60	4.45%	24.87%	25.46%
Volumetric Smoothing Rider	2,000	-0.0008	-1.60	2,000	0.0014	2.80	4.40	-275.00%	0.64%	0.66%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			146.66			161.06	14.40	9.82%	37.09%	37.97%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.19%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.10	21.21	210	0.10	21.21	0.00	0.00%	4.88%	5.00%
Line Losses on Cost of Power (based on TOU prices)	210	0.09	19.42	210	0.09	19.42	0.00	0.00%	4.47%	4.58%
Sub-Total: Distribution (based on two-tier RPP prices)			168.66			183.06	14.40	8.54%	42.15%	43.15%
Sub-Total: Distribution (based on TOU prices)			166.87			181.27	14.40	8.63%	41.74%	42.73%
Retail Transmission Rate – Network Service Rate	2,210	0.0065	14.37	2,210	0.0065	14.37	0.00	0.00%	3.31%	3.39%
Retail Transmission Rate – Line and Transformation Connection	2,210	0.0045	9.95	2,210	0.0045	9.95	0.00	0.00%	2.29%	2.34%
Sub-Total: Retail Transmission			24.31			24.31	0.00	0.00%	5.60%	5.73%
Sub-Total: Delivery (based on two-tier RPP prices)			192.97			207.37	14.40	7.46%	47.75%	48.88%
Sub-Total: Delivery (based on TOU prices)			191.18			205.58	14.40	7.53%	47.34%	48.46%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.24%	2.29%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	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%	0.06%	0.06%
Sub-Total: Regulatory			12.63			12.63	0.00	0.00%	2.91%	2.98%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.22%	3.30%
Total Bill on Two-Tier RPP (before Taxes)			412.60			427.00	14.40	3.49%	98.33%	
HST		0.13	53.64		0.13	55.51	1.87	3.49%	12.78%	
Total Bill (including HST)			466.23			482.51	16.27	3.49%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.62		-0.10	-48.25	-1.63	3.49%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			419.61			434.25	14.64	3.49%	100.00%	
Total Bill on TOU (before Taxes)			402.72			417.12	14.40	3.58%		98.33%
HST		0.13	52.35		0.13	54.23	1.87	3.58%		12.78%
Total Bill (including HST)			455.08			471.35	16.27	3.58%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.51		-0.10	-47.13	-1.63	3.58%		-11.11%
Total Bill on TOU (including OCEB)			409.57			424.21	14.64	3.58%		100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	4.30	50	0.086	4.30	0.00	0.00%	9.67%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	9.67%	
TOU-Off Peak	32	0.075	2.40	32	0.075	2.40	0.00	0.00%		5.35%
TOU-Mid Peak	9	0.112	1.01	9	0.112	1.01	0.00	0.00%		2.25%
TOU-On Peak	9	0.135	1.22	9	0.135	1.22	0.00	0.00%		2.71%
Sub-Total: Energy (TOU)			4.62			4.62	0.00	0.00%	10.39%	10.31%
Service Charge	1	29.63	29.63	1	30.29	30.29	0.66	2.23%	68.10%	67.55%
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	0.80	0.80	1.23	-286.05%	1.80%	1.78%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.63%	0.62%
Distribution Volumetric Rate	50	0.1019	5.10	50	0.1047	5.24	0.14	2.75%	11.77%	11.67%
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	0.0004	0.02	50	0.0004	0.02	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			34.52			36.76	2.24	6.49%	82.64%	81.98%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.78%	1.76%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.45	5	0.09	0.45	0.00	0.00%	1.01%	1.00%
Line Losses on Cost of Power (based on TOU prices)	5	0.09	0.48	5	0.09	0.48	0.00	0.00%	1.08%	1.07%
Sub-Total: Distribution (based on two-tier RPP prices)			35.76			38.00	2.24	6.26%	85.43%	84.73%
Sub-Total: Distribution (based on TOU prices)			35.79			38.03	2.24	6.26%	85.50%	84.81%
Retail Transmission Rate – Network Service Rate	55	0.0053	0.29	55	0.0053	0.29	0.00	0.00%	0.66%	0.65%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0043	0.24	55	0.0043	0.24	0.00	0.00%	0.53%	0.53%
Sub-Total: Retail Transmission			0.53			0.53	0.00	0.00%	1.19%	1.18%
Sub-Total: Delivery (based on two-tier RPP prices)			36.29			38.53	2.24	6.17%	86.62%	85.92%
Sub-Total: Delivery (based on TOU prices)			36.32			38.56	2.24	6.17%	86.69%	85.99%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.55%	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%	1.26%	1.25%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.79%	0.78%
Total Bill on Two-Tier RPP (before Taxes)			41.50			43.74	2.24	5.40%	98.33%	
HST		0.13	5.39		0.13	5.69	0.29	5.40%	12.78%	
Total Bill (including HST)			46.89			49.42	2.53	5.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.69		-0.10	-4.94	-0.25	5.40%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			42.20			44.48	2.28	5.40%	100.00%	
Total Bill on TOU (before Taxes)			41.85			44.09	2.24	5.35%		98.33%
HST		0.13	5.44		0.13	5.73	0.29	5.35%		12.78%
Total Bill (including HST)			47.29			49.82	2.53	5.35%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.73		-0.10	-4.98	-0.25	5.35%		-11.11%
Total Bill on TOU (including OCEB)			42.56			44.84	2.28	5.35%		100.00%

2018 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	441.6
Charge determinant	kWh

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	Volume	Current 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	0.086	34.40	400	0.086	34.40	0.00	0.00%	27.50%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			34.40			34.40	0.00	0.00%	27.50%	
TOU-Off Peak	256	0.075	19.20	256	0.075	19.20	0.00	0.00%		15.00%
TOU-Mid Peak	72	0.112	8.06	72	0.112	8.06	0.00	0.00%		6.30%
TOU-On Peak	72	0.135	9.72	72	0.135	9.72	0.00	0.00%		7.59%
Sub-Total: Energy (TOU)			36.98			36.98	0.00	0.00%	29.56%	28.89%
Service Charge	1	29.63	29.63	1	30.29	30.29	0.66	2.23%	24.21%	23.66%
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	0.80	0.80	1.23	-286.05%	0.64%	0.62%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.22%	0.22%
Distribution Volumetric Rate	400	0.1019	40.76	400	0.1047	41.88	1.12	2.75%	33.47%	32.72%
Volumetric Smoothing Rider	400	-0.0015	-0.60	400	0.0027	1.08	1.68	-280.00%	0.86%	0.84%
Volumetric Deferral/Variance Account Rider	400	0.0004	0.16	400	0.0004	0.16	0.00	0.00%	0.13%	0.12%
Sub-Total: Distribution (excluding pass through)			69.80			74.49	4.69	6.72%	59.54%	58.19%
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	0.09	3.58	42	0.09	3.58	0.00	0.00%	2.86%	2.79%
Line Losses on Cost of Power (based on TOU prices)	42	0.09	3.85	42	0.09	3.85	0.00	0.00%	3.07%	3.00%
Sub-Total: Distribution (based on two-tier RPP prices)			74.17			78.86	4.69	6.32%	63.03%	61.60%
Sub-Total: Distribution (based on TOU prices)			74.44			79.13	4.69	6.30%	63.24%	61.81%
Retail Transmission Rate – Network Service Rate	442	0.0053	2.34	442	0.0053	2.34	0.00	0.00%	1.87%	1.83%
Retail Transmission Rate – Line and Transformation Connection S	442	0.0043	1.90	442	0.0043	1.90	0.00	0.00%	1.52%	1.48%
Sub-Total: Retail Transmission			4.24			4.24	0.00	0.00%	3.39%	3.31%
Sub-Total: Delivery (based on two-tier RPP prices)			78.41			83.10	4.69	5.98%	66.42%	64.91%
Sub-Total: Delivery (based on TOU prices)			78.68			83.37	4.69	5.96%	66.63%	65.12%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.55%	1.52%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.42%	0.41%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.20%	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)			118.33			123.02	4.69	3.96%	98.33%	
HST		0.13	15.38		0.13	15.99	0.61	3.96%	12.78%	
Total Bill (including HST)			133.71			139.01	5.30	3.96%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.37		-0.10	-13.90	-0.53	3.96%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			120.34			125.11	4.77	3.96%	100.00%	
Total Bill on TOU (before Taxes)			121.18			125.87	4.69	3.87%		98.33%
HST		0.13	15.75		0.13	16.36	0.61	3.87%		12.78%
Total Bill (including HST)			136.94			142.24	5.30	3.87%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.69		-0.10	-14.22	-0.53	3.87%		-11.11%
Total Bill on TOU (including OCEB)			123.24			128.01	4.77	3.87%		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	0.086	51.60	600	0.086	51.60	0.00	0.00%	19.04%	
Energy Second Tier (kWh)	400	0.101	40.40	400	0.101	40.40	0.00	0.00%	14.91%	
Sub-Total: Energy (RPP)			92.00			92.00	0.00	0.00%	33.95%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		17.74%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		7.45%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		8.98%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	34.11%	34.17%
Service Charge	1	29.63	29.63	1	30.29	30.29	0.66	2.23%	11.18%	11.19%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.43	-0.43	1	0.80	0.80	1.23	-286.05%	0.30%	0.30%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.10%	0.10%
Distribution Volumetric Rate	1,000	0.1019	101.90	1,000	0.1047	104.70	2.80	2.75%	38.63%	38.69%
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	0.0004	0.40	1,000	0.0004	0.40	0.00	0.00%	0.15%	0.15%
Sub-Total: Distribution (excluding pass through)			130.28			139.17	8.89	6.82%	51.35%	51.43%
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	0.10	10.50	104	0.10	10.50	0.00	0.00%	3.88%	3.88%
Line Losses on Cost of Power (based on TOU prices)	104	0.09	9.62	104	0.09	9.62	0.00	0.00%	3.55%	3.55%
Sub-Total: Distribution (based on two-tier RPP prices)			141.57			150.46	8.89	6.28%	55.52%	55.61%
Sub-Total: Distribution (based on TOU prices)			140.69			149.58	8.89	6.32%	55.19%	55.28%
Retail Transmission Rate – Network Service Rate	1,104	0.0053	5.85	1,104	0.0053	5.85	0.00	0.00%	2.16%	2.16%
Retail Transmission Rate – Line and Transformation Connection	1,104	0.0043	4.75	1,104	0.0043	4.75	0.00	0.00%	1.75%	1.75%
Sub-Total: Retail Transmission			10.60			10.60	0.00	0.00%	3.91%	3.92%
Sub-Total: Delivery (based on two-tier RPP prices)			152.17			161.06	8.89	5.84%	59.43%	59.52%
Sub-Total: Delivery (based on TOU prices)			151.28			160.17	8.89	5.88%	59.10%	59.19%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.79%	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%	2.37%	2.38%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.58%	2.59%
Total Bill on Two-Tier RPP (before Taxes)			257.60			266.49	8.89	3.45%	98.33%	
HST		0.13	33.49		0.13	34.64	1.16	3.45%	12.78%	
Total Bill (including HST)			291.09			301.14	10.05	3.45%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-29.11		-0.10	-30.11	-1.00	3.45%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			261.98			271.03	9.04	3.45%	100.00%	
Total Bill on TOU (before Taxes)			257.18			266.07	8.89	3.46%		98.33%
HST		0.13	33.43		0.13	34.59	1.16	3.46%		12.78%
Total Bill (including HST)			290.61			300.66	10.05	3.46%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-29.06		-0.10	-30.07	-1.00	3.46%		-11.11%
Total Bill on TOU (including OCEB)			261.55			270.59	9.04	3.46%		100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	28.67%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	11.23%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	39.90%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		21.16%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		8.89%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		10.71%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	41.11%	40.76%
Service Charge	1	33.27	33.27	1	33.67	33.67	0.40	1.20%	14.97%	14.84%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.49	-0.49	1	0.88	0.88	1.37	-279.59%	0.39%	0.39%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.13%	0.13%
Distribution Volumetric Rate	1,000	0.0593	59.30	1,000	0.0607	60.70	1.40	2.36%	26.99%	26.76%
Volumetric Smoothing Rider	1,000	-0.0009	-0.90	1,000	0.0016	1.60	2.50	-277.78%	0.71%	0.71%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			91.58			97.25	5.67	6.19%	43.23%	42.87%
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	0.10	9.70	96	0.10	9.70	0.00	0.00%	4.31%	4.27%
Line Losses on Cost of Power (based on TOU prices)	96	0.09	8.88	96	0.09	8.88	0.00	0.00%	3.95%	3.91%
Sub-Total: Distribution (based on two-tier RPP prices)			102.07			107.74	5.67	5.56%	47.90%	47.49%
Sub-Total: Distribution (based on TOU prices)			101.25			106.92	5.67	5.60%	47.53%	47.13%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	2.83%	2.80%
Retail Transmission Rate – Line and Transformation Connection	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.75%	1.74%
Sub-Total: Retail Transmission			10.30			10.30	0.00	0.00%	4.58%	4.54%
Sub-Total: Delivery (based on two-tier RPP prices)			112.37			118.04	5.67	5.05%	52.48%	52.03%
Sub-Total: Delivery (based on TOU prices)			111.55			117.22	5.67	5.08%	52.11%	51.67%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.14%	2.13%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	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%	0.11%	0.11%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	2.84%	2.82%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.11%	3.09%
Total Bill on Two-Tier RPP (before Taxes)			215.51			221.18	5.67	2.63%	98.33%	
HST		0.13	28.02		0.13	28.75	0.74	2.63%	12.78%	
Total Bill (including HST)			243.52			249.93	6.41	2.63%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.35		-0.10	-24.99	-0.64	2.63%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			219.17			224.94	5.77	2.63%	100.00%	
Total Bill on TOU (before Taxes)			217.40			223.07	5.67	2.61%		98.33%
HST		0.13	28.26		0.13	29.00	0.74	2.61%	12.78%	
Total Bill (including HST)			245.66			252.06	6.41	2.61%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.57		-0.10	-25.21	-0.64	2.61%	-11.11%	
Total Bill on TOU (including OCEB)			221.09			226.86	5.77	2.61%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	15.18%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	29.72%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	44.90%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		23.01%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		9.66%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		11.65%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	43.53%	44.32%
Service Charge	1	33.27	33.27	1	33.67	33.67	0.40	1.20%	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	-0.49	-0.49	1	0.88	0.88	1.37	-279.59%	0.21%	0.21%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0593	118.60	2,000	0.0607	121.40	2.80	2.36%	28.58%	29.10%
Volumetric Smoothing Rider	2,000	-0.0009	-1.80	2,000	0.0016	3.20	5.00	-277.78%	0.75%	0.77%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			150.08			159.65	9.57	6.38%	37.58%	38.27%
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	0.10	19.39	192	0.10	19.39	0.00	0.00%	4.56%	4.65%
Line Losses on Cost of Power (based on TOU prices)	192	0.09	17.75	192	0.09	17.75	0.00	0.00%	4.18%	4.25%
Sub-Total: Distribution (based on two-tier RPP prices)			170.26			179.83	9.57	5.62%	42.33%	43.10%
Sub-Total: Distribution (based on TOU prices)			168.62			178.19	9.57	5.68%	41.95%	42.71%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	2.99%	3.05%
Retail Transmission Rate – Line and Transformation Connection	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.86%	1.89%
Sub-Total: Retail Transmission			20.60			20.60	0.00	0.00%	4.85%	4.94%
Sub-Total: Delivery (based on two-tier RPP prices)			190.87			200.44	9.57	5.01%	47.18%	48.04%
Sub-Total: Delivery (based on TOU prices)			189.23			198.80	9.57	5.06%	46.80%	47.65%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.27%	2.31%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	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			12.53			12.53	0.00	0.00%	2.95%	3.00%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.30%	3.36%
Total Bill on Two-Tier RPP (before Taxes)			408.14			417.71	9.57	2.34%	98.33%	
HST		0.13	53.06		0.13	54.30	1.24	2.34%	12.78%	
Total Bill (including HST)			461.20			472.01	10.81	2.34%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.12		-0.10	-47.20	-1.08	2.34%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			415.08			424.81	9.73	2.34%	100.00%	
Total Bill on TOU (before Taxes)			400.67			410.24	9.57	2.39%		98.33%
HST		0.13	52.09		0.13	53.33	1.24	2.39%		12.78%
Total Bill (including HST)			452.76			463.57	10.81	2.39%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-45.28		-0.10	-46.36	-1.08	2.39%		-11.11%
Total Bill on TOU (including OCEB)			407.48			417.22	9.73	2.39%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	1.96%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	43.75%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	45.71%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		22.89%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		9.61%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		11.59%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	42.16%	44.09%
Service Charge	1	33.27	33.27	1	33.67	33.67	0.40	1.20%	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	-0.49	-0.49	1	0.88	0.88	1.37	-279.59%	0.03%	0.03%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.30	0.30	0.00	0.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0593	889.50	15,000	0.0607	910.50	21.00	2.36%	27.68%	28.94%
Volumetric Smoothing Rider	15,000	-0.0009	-13.50	15,000	0.0016	24.00	37.50	-277.78%	0.73%	0.76%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			910.58			970.85	60.27	6.62%	29.51%	30.86%
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	0.10	145.44	1,440	0.10	145.44	0.00	0.00%	4.42%	4.62%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.09	133.14	1,440	0.09	133.14	0.00	0.00%	4.05%	4.23%
Sub-Total: Distribution (based on two-tier RPP prices)			1,056.81			1,117.08	60.27	5.70%	33.96%	35.51%
Sub-Total: Distribution (based on TOU prices)			1,044.51			1,104.78	60.27	5.77%	33.58%	35.12%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	2.90%	3.03%
Retail Transmission Rate – Line and Transformation Connection	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.80%	1.88%
Sub-Total: Retail Transmission			154.54			154.54	0.00	0.00%	4.70%	4.91%
Sub-Total: Delivery (based on two-tier RPP prices)			1,211.35			1,271.62	60.27	4.98%	38.65%	40.42%
Sub-Total: Delivery (based on TOU prices)			1,199.05			1,259.32	60.27	5.03%	38.28%	40.03%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.20%	2.30%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.60%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			92.31			92.31	0.00	0.00%	2.81%	2.93%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.19%	3.34%
Total Bill on Two-Tier RPP (before Taxes)			2,912.41			2,972.68	60.27	2.07%	90.36%	
HST		0.13	378.61		0.13	386.45	7.84	2.07%	11.75%	
Total Bill (including HST)			3,291.02			3,359.13	68.11	2.07%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-67.89		-0.10	-69.41	-1.52	2.24%	-2.11%	
Total Bill on Two-Tier RPP (including OCEB)			3,223.14			3,289.72	66.58	2.07%	100.00%	
Total Bill on TOU (before Taxes)			2,783.26			2,843.53	60.27	2.17%		90.39%
HST		0.13	361.82		0.13	369.66	7.84	2.17%		11.75%
Total Bill (including HST)			3,145.09			3,213.19	68.11	2.17%		102.15%
Ontario Clean Energy Benefit (OCEB)		-0.10	-65.99		-0.10	-67.51	-1.52	2.31%		-2.15%
Total Bill on TOU (including OCEB)			3,079.10			3,145.68	66.58	2.16%		100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	35.50%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.90%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	49.40%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		26.11%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		10.96%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		13.22%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	50.89%	50.29%
Service Charge	1	26.38	26.38	1	27.48	27.48	1.10	4.17%	15.12%	14.95%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.39	-0.39	1	0.72	0.72	1.11	-284.62%	0.40%	0.39%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Distribution Volumetric Rate	1,000	0.0271	27.10	1,000	0.0284	28.40	1.30	4.80%	15.63%	15.45%
Volumetric Smoothing Rider	1,000	-0.0004	-0.40	1,000	0.0007	0.70	1.10	-275.00%	0.39%	0.38%
Volumetric Deferral/Variance Account Rider	1,000	-0.0001	-0.10	1,000	-0.0001	-0.10	0.00	0.00%	-0.06%	-0.05%
Sub-Total: Distribution (excluding pass through)			52.84			57.45	4.61	8.72%	31.62%	31.25%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.43%	0.43%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.10	6.77	67	0.10	6.77	0.00	0.00%	3.72%	3.68%
Line Losses on Cost of Power (based on TOU prices)	67	0.09	6.19	67	0.09	6.19	0.00	0.00%	3.41%	3.37%
Sub-Total: Distribution (based on two-tier RPP prices)			60.40			65.01	4.61	7.63%	35.78%	35.36%
Sub-Total: Distribution (based on TOU prices)			59.82			64.43	4.61	7.71%	35.46%	35.04%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.64%	3.60%
Retail Transmission Rate – Line and Transformation Connection S	1,067	0.0038	4.05	1,067	0.0038	4.05	0.00	0.00%	2.23%	2.21%
Sub-Total: Retail Transmission			10.67			10.67	0.00	0.00%	5.87%	5.80%
Sub-Total: Delivery (based on two-tier RPP prices)			71.07			75.68	4.61	6.49%	41.65%	41.16%
Sub-Total: Delivery (based on TOU prices)			70.49			75.10	4.61	6.54%	41.34%	40.85%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.58%	2.55%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	0.00	0.00%	0.70%	0.70%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.14%	0.14%
Sub-Total: Regulatory			6.23			6.23	0.00	0.00%	3.43%	3.39%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.85%	3.81%
Total Bill on Two-Tier RPP (before Taxes)			174.04			178.65	4.61	2.65%	98.33%	
HST		0.13	22.63		0.13	23.22	0.60	2.65%	12.78%	
Total Bill (including HST)			196.67			201.88	5.21	2.65%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.67		-0.10	-20.19	-0.52	2.65%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			177.00			181.69	4.69	2.65%	100.00%	
Total Bill on TOU (before Taxes)			176.18			180.79	4.61	2.62%		98.33%
HST		0.13	22.90		0.13	23.50	0.60	2.62%		12.78%
Total Bill (including HST)			199.08			204.29	5.21	2.62%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-19.91		-0.10	-20.43	-0.52	2.62%		-11.11%
Total Bill on TOU (including OCEB)			179.18			183.86	4.69	2.62%		100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	18.70%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	36.61%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	55.32%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		28.42%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.94%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		14.39%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	53.63%	54.75%
Service Charge	1	26.38	26.38	1	27.48	27.48	1.10	4.17%	7.97%	8.14%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.39	-0.39	1	0.72	0.72	1.11	-284.62%	0.21%	0.21%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0271	54.20	2,000	0.0284	56.80	2.60	4.80%	16.47%	16.82%
Volumetric Smoothing Rider	2,000	-0.0004	-0.80	2,000	0.0007	1.40	2.20	-275.00%	0.41%	0.41%
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)			79.44			86.45	7.01	8.82%	25.07%	25.60%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.23%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.10	13.53	134	0.10	13.53	0.00	0.00%	3.92%	4.01%
Line Losses on Cost of Power (based on TOU prices)	134	0.09	12.39	134	0.09	12.39	0.00	0.00%	3.59%	3.67%
Sub-Total: Distribution (based on two-tier RPP prices)			93.76			100.77	7.01	7.48%	29.22%	29.84%
Sub-Total: Distribution (based on TOU prices)			92.62			99.63	7.01	7.57%	28.89%	29.50%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	3.84%	3.92%
Retail Transmission Rate – Line and Transformation Connection S	2,134	0.0038	8.11	2,134	0.0038	8.11	0.00	0.00%	2.35%	2.40%
Sub-Total: Retail Transmission			21.34			21.34	0.00	0.00%	6.19%	6.32%
Sub-Total: Delivery (based on two-tier RPP prices)			115.10			122.11	7.01	6.09%	35.41%	36.16%
Sub-Total: Delivery (based on TOU prices)			113.96			120.97	7.01	6.15%	35.08%	35.82%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.72%	2.78%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	0.00	0.00%	0.74%	0.76%
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			12.20			12.20	0.00	0.00%	3.54%	3.61%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.06%	4.15%
Total Bill on Two-Tier RPP (before Taxes)			332.05			339.06	7.01	2.11%	98.33%	
HST		0.13	43.17		0.13	44.08	0.91	2.11%	12.78%	
Total Bill (including HST)			375.22			383.14	7.92	2.11%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.52		-0.10	-38.31	-0.79	2.11%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			337.70			344.83	7.13	2.11%	100.00%	
Total Bill on TOU (before Taxes)			325.08			332.09	7.01	2.16%		98.33%
HST		0.13	42.26		0.13	43.17	0.91	2.16%		12.78%
Total Bill (including HST)			367.34			375.26	7.92	2.16%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-36.73		-0.10	-37.53	-0.79	2.16%		-11.11%
Total Bill on TOU (including OCEB)			330.61			337.74	7.13	2.16%		100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.40%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	53.64%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	56.04%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		28.31%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		11.89%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		14.33%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	51.69%	54.53%
Service Charge	1	26.38	26.38	1	27.48	27.48	1.10	4.17%	1.02%	1.08%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	-0.39	-0.39	1	0.72	0.72	1.11	-284.62%	0.03%	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	0.0271	406.50	15,000	0.0284	426.00	19.50	4.80%	15.88%	16.75%
Volumetric Smoothing Rider	15,000	-0.0004	-6.00	15,000	0.0007	10.50	16.50	-275.00%	0.39%	0.41%
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)			425.24			463.45	38.21	8.99%	17.27%	18.22%
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	0.10	101.51	1,005	0.10	101.51	0.00	0.00%	3.78%	3.99%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.09	92.92	1,005	0.09	92.92	0.00	0.00%	3.46%	3.65%
Sub-Total: Distribution (based on two-tier RPP prices)			527.54			565.75	38.21	7.24%	21.09%	22.25%
Sub-Total: Distribution (based on TOU prices)			518.95			557.16	38.21	7.36%	20.77%	21.91%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.70%	3.90%
Retail Transmission Rate – Line and Transformation Connection S	16,005	0.0038	60.82	16,005	0.0038	60.82	0.00	0.00%	2.27%	2.39%
Sub-Total: Retail Transmission			160.05			160.05	0.00	0.00%	5.96%	6.29%
Sub-Total: Delivery (based on two-tier RPP prices)			687.59			725.80	38.21	5.56%	27.05%	28.54%
Sub-Total: Delivery (based on TOU prices)			679.00			717.21	38.21	5.63%	26.73%	28.20%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.62%	2.77%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.72%	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%	0.01%
Sub-Total: Regulatory			89.88			89.88	0.00	0.00%	3.35%	3.53%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.91%	4.13%
Total Bill on Two-Tier RPP (before Taxes)			2,386.21			2,424.42	38.21	1.60%	90.36%	
HST		0.13	310.21		0.13	315.17	4.97	1.60%	11.75%	
Total Bill (including HST)			2,696.42			2,739.60	43.18	1.60%	102.10%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-55.38		-0.10	-56.44	-1.06	1.92%	-2.10%	
Total Bill on Two-Tier RPP (including OCEB)			2,641.04			2,683.16	42.11	1.59%	100.00%	
Total Bill on TOU (before Taxes)			2,260.78			2,298.99	38.21	1.69%		90.40%
HST		0.13	293.90		0.13	298.87	4.97	1.69%		11.75%
Total Bill (including HST)			2,554.68			2,597.86	43.18	1.69%		102.15%
Ontario Clean Energy Benefit (OCEB)		-0.10	-53.56		-0.10	-54.62	-1.06	1.99%		-2.15%
Total Bill on TOU (including OCEB)			2,501.12			2,543.24	42.11	1.68%		100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	30.49%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	30.49%
Service Charge	1	4.57	4.57	1	4.72	4.72	0.15	3.28%	16.73%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.07	-0.07	1	0.12	0.12	0.19	-271.43%	0.43%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.18%
Distribution Volumetric Rate	100	0.1038	10.38	100	0.1079	10.79	0.41	3.95%	38.25%
Volumetric Smoothing Rider	100	-0.0015	-0.15	100	0.0028	0.28	0.43	-286.67%	0.99%
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)			14.83			16.01	1.18	7.96%	56.75%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	2.80%
Sub-Total: Distribution			15.62			16.80	1.18	7.55%	59.56%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.51%
Retail Transmission Rate – Line and Transformation Connection \$	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	1.24%
Sub-Total: Retail Transmission			0.78			0.78	0.00	0.00%	2.75%
Sub-Total: Delivery			16.40			17.58	1.18	7.20%	62.31%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.70%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	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%	0.89%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	3.05%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.48%
Total Bill on Two-Tier RPP (before Taxes)			26.56			27.74	1.18	4.44%	98.33%
HST		0.13	3.45		0.13	3.61	0.15	4.44%	12.78%
Total Bill (including HST)			30.01			31.34	1.33	4.44%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.00		-0.10	-3.13	-0.13	4.44%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			27.01			28.21	1.20	4.44%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	35.79%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	35.79%
Service Charge	1	4.57	4.57	1	4.72	4.72	0.15	3.28%	3.93%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.07	-0.07	1	0.12	0.12	0.19	-271.43%	0.10%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.04%
Distribution Volumetric Rate	500	0.1038	51.90	500	0.1079	53.95	2.05	3.95%	44.91%
Volumetric Smoothing Rider	500	-0.0015	-0.75	500	0.0028	1.40	2.15	-286.67%	1.17%
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)			55.95			60.49	4.54	8.11%	50.35%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.29%
Sub-Total: Distribution			59.91			64.45	4.54	7.58%	53.64%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.77%
Retail Transmission Rate – Line and Transformation Connection S	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.45%
Sub-Total: Retail Transmission			3.88			3.88	0.00	0.00%	3.23%
Sub-Total: Delivery			63.78			68.32	4.54	7.12%	56.87%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.00%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	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%	0.21%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	2.75%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.91%
Total Bill on Two-Tier RPP (before Taxes)			113.59			118.13	4.54	4.00%	98.33%
HST		0.13	14.77		0.13	15.36	0.59	4.00%	12.78%
Total Bill (including HST)			128.36			133.49	5.13	4.00%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.84		-0.10	-13.35	-0.51	4.00%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			115.52			120.14	4.62	4.00%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	13.25%
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	25.94%
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	39.19%
Service Charge	1	4.57	4.57	1	4.72	4.72	0.15	3.28%	0.97%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.07	-0.07	1	0.12	0.12	0.19	-271.43%	0.02%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.1038	207.60	2,000	0.1079	215.80	8.20	3.95%	44.34%
Volumetric Smoothing Rider	2,000	-0.0015	-3.00	2,000	0.0028	5.60	8.60	-286.67%	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)			210.15			227.29	17.14	8.16%	46.70%
Line Losses on Cost of Power	184	0.10	18.58	184	0.10	18.58	0.00	0.00%	3.82%
Sub-Total: Distribution			228.73			245.87	17.14	7.49%	50.51%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.75%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.0032	6.99	2,184	0.0032	6.99	0.00	0.00%	1.44%
Sub-Total: Retail Transmission			15.51			15.51	0.00	0.00%	3.19%
Sub-Total: Delivery			244.24			261.38	17.14	7.02%	53.70%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	1.97%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,184	0.0012	2.62	0.00	0.00%	0.54%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.05%
Sub-Total: Regulatory			12.48			12.48	0.00	0.00%	2.56%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.88%
Total Bill on Two-Tier RPP (before Taxes)			461.47			478.61	17.14	3.71%	98.33%
HST		0.13	59.99		0.13	62.22	2.23	3.71%	12.78%
Total Bill (including HST)			521.46			540.83	19.37	3.71%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-52.15		-0.10	-54.08	-1.94	3.71%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			469.32			486.75	17.43	3.71%	100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.086	1.72	20	0.086	1.72	0.00	0.00%	18.80%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.72			1.72	0.00	0.00%	18.80%
Service Charge	1	3.04	3.04	1	3.25	3.25	0.21	6.91%	35.52%
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%	0.98%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.33%
Distribution Volumetric Rate	20	0.1406	2.81	20	0.1494	2.99	0.18	6.26%	32.66%
Volumetric Smoothing Rider	20	-0.0021	-0.04	20	0.0039	0.08	0.12	-285.71%	0.85%
Volumetric Deferral/Variance Account Rider	20	0.0007	0.01	20	0.0007	0.01	0.00	0.00%	0.15%
Sub-Total: Distribution (excluding pass through)			5.81			6.45	0.64	10.94%	70.50%
Line Losses on Cost of Power	2	0.09	0.16	2	0.09	0.16	0.00	0.00%	1.73%
Sub-Total: Distribution			5.97			6.61	0.64	10.65%	72.23%
Retail Transmission Rate – Network Service Rate	22	0.0039	0.09	22	0.0039	0.09	0.00	0.00%	0.93%
Retail Transmission Rate – Line and Transformation Connection S	22	0.0032	0.07	22	0.0032	0.07	0.00	0.00%	0.76%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.69%
Sub-Total: Delivery			6.13			6.76	0.64	10.38%	73.93%
Wholesale Market Service Rate	22	0.0044	0.10	22	0.0044	0.10	0.00	0.00%	1.05%
Rural Rate Protection Charge	22	0.0012	0.03	22	0.0012	0.03	0.00	0.00%	0.29%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	2.73%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	4.07%
Debt Retirement Charge (DRC)	20	0.007	0.14	20	0.007	0.14	0.00	0.00%	1.53%
Total Bill on Two-Tier RPP (before Taxes)			8.36			9.00	0.64	7.61%	98.33%
HST		0.13	1.09		0.13	1.17	0.08	7.61%	12.78%
Total Bill (including HST)			9.45			10.17	0.72	7.61%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-0.94		-0.10	-1.02	-0.07	7.61%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			8.50			9.15	0.65	7.61%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.086	4.30	50	0.086	4.30	0.00	0.00%	24.79%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	24.79%
Service Charge	1	3.04	3.04	1	3.25	3.25	0.21	6.91%	18.73%
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%	0.52%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.17%
Distribution Volumetric Rate	50	0.1406	7.03	50	0.1494	7.47	0.44	6.26%	43.06%
Volumetric Smoothing Rider	50	-0.0021	-0.11	50	0.0039	0.20	0.30	-285.71%	1.12%
Volumetric Deferral/Variance Account Rider	50	0.0007	0.04	50	0.0007	0.04	0.00	0.00%	0.20%
Sub-Total: Distribution (excluding pass through)			9.99			11.07	1.08	10.81%	63.81%
Line Losses on Cost of Power	5	0.09	0.40	5	0.09	0.40	0.00	0.00%	2.28%
Sub-Total: Distribution			10.39			11.47	1.08	10.40%	66.09%
Retail Transmission Rate – Network Service Rate	55	0.0039	0.21	55	0.0039	0.21	0.00	0.00%	1.23%
Retail Transmission Rate – Line and Transformation Connection S	55	0.0032	0.17	55	0.0032	0.17	0.00	0.00%	1.01%
Sub-Total: Retail Transmission			0.39			0.39	0.00	0.00%	2.23%
Sub-Total: Delivery			10.77			11.85	1.08	10.02%	68.32%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	1.38%
Rural Rate Protection Charge	55	0.0012	0.07	55	0.0012	0.07	0.00	0.00%	0.38%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	1.44%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	3.20%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	2.02%
Total Bill on Two-Tier RPP (before Taxes)			15.98			17.06	1.08	6.76%	98.33%
HST		0.13	2.08		0.13	2.22	0.14	6.76%	12.78%
Total Bill (including HST)			18.06			19.28	1.22	6.76%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.81		-0.10	-1.93	-0.12	6.76%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			16.25			17.35	1.10	6.76%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.086	17.20	200	0.086	17.20	0.00	0.00%	29.48%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17.20			17.20	0.00	0.00%	29.48%
Service Charge	1	3.04	3.04	1	3.25	3.25	0.21	6.91%	5.57%
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	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.05%
Distribution Volumetric Rate	200	0.1406	28.12	200	0.1494	29.88	1.76	6.26%	51.21%
Volumetric Smoothing Rider	200	-0.0021	-0.42	200	0.0039	0.78	1.20	-285.71%	1.34%
Volumetric Deferral/Variance Account Rider	200	0.0007	0.14	200	0.0007	0.14	0.00	0.00%	0.24%
Sub-Total: Distribution (excluding pass through)			30.87			34.17	3.30	10.69%	58.56%
Line Losses on Cost of Power	18	0.09	1.58	18	0.09	1.58	0.00	0.00%	2.71%
Sub-Total: Distribution			32.45			35.75	3.30	10.17%	61.27%
Retail Transmission Rate – Network Service Rate	218	0.0039	0.85	218	0.0039	0.85	0.00	0.00%	1.46%
Retail Transmission Rate – Line and Transformation Connection S	218	0.0032	0.70	218	0.0032	0.70	0.00	0.00%	1.20%
Sub-Total: Retail Transmission			1.55			1.55	0.00	0.00%	2.66%
Sub-Total: Delivery			34.00			37.30	3.30	9.71%	63.93%
Wholesale Market Service Rate	218	0.0044	0.96	218	0.0044	0.96	0.00	0.00%	1.65%
Rural Rate Protection Charge	218	0.0012	0.26	218	0.0012	0.26	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%	0.43%
Sub-Total: Regulatory			1.47			1.47	0.00	0.00%	2.52%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.40%
Total Bill on Two-Tier RPP (before Taxes)			54.08			57.38	3.30	6.10%	98.33%
HST		0.13	7.03		0.13	7.46	0.43	6.10%	12.78%
Total Bill (including HST)			61.11			64.83	3.73	6.10%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.11		-0.10	-6.48	-0.37	6.10%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			55.00			58.35	3.36	6.10%	100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	15.62%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	15.62%
Service Charge	1	39.41	39.41	1	38.11	38.11	-1.30	-3.30%	69.24%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.58	-0.58	1	1	1.00	1.58	-272.41%	1.82%
Fixed Deferral/Variance Account Rider	1	0.32	0.32	1	0.3	0.30	-0.02	-6.25%	0.55%
Distribution Volumetric Rate	100	0.0297	2.97	100	0.0286	2.86	-0.11	-3.70%	5.20%
Volumetric Smoothing Rider	100	-0.0004	-0.04	100	0.0008	0.08	0.12	-300.00%	0.15%
Volumetric Deferral/Variance Account Rider	100	0	0.00	100	-0.0001	-0.01	-0.01	0.00%	-0.02%
Sub-Total: Distribution (excluding pass through)			42.08			42.34	0.26	0.62%	76.92%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	1.44%
Sub-Total: Distribution			42.87			43.13	0.26	0.61%	78.36%
Retail Transmission Rate – Network Service Rate	109	0.0046	0.50	109	0.0046	0.50	0.00	0.00%	0.91%
Retail Transmission Rate – Line and Transformation Connection S	109	0.003	0.33	109	0.003	0.33	0.00	0.00%	0.60%
Sub-Total: Retail Transmission			0.83			0.83	0.00	0.00%	1.51%
Sub-Total: Delivery			43.70			43.96	0.26	0.59%	79.87%
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%	1.57%
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)			53.86			54.12	0.26	0.48%	98.33%
HST		0.13	7.00		0.13	7.04	0.03	0.48%	12.78%
Total Bill (including HST)			60.86			61.16	0.29	0.48%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.09		-0.10	-6.12	-0.03	0.48%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			54.78			55.04	0.26	0.48%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	37.76%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	37.76%
Service Charge	1	39.41	39.41	1	38.11	38.11	-1.30	-3.30%	33.47%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.58	-0.58	1	1	1.00	1.58	-272.41%	0.88%
Fixed Deferral/Variance Account Rider	1	0.32	0.32	1	0.3	0.30	-0.02	-6.25%	0.26%
Distribution Volumetric Rate	500	0.0297	14.85	500	0.0286	14.30	-0.55	-3.70%	12.56%
Volumetric Smoothing Rider	500	-0.0004	-0.20	500	0.0008	0.40	0.60	-300.00%	0.35%
Volumetric Deferral/Variance Account Rider	500	0	0.00	500	-0.0001	-0.05	-0.05	0.00%	-0.04%
Sub-Total: Distribution (excluding pass through)			53.80			54.06	0.26	0.48%	47.47%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.47%
Sub-Total: Distribution			57.76			58.02	0.26	0.45%	50.95%
Retail Transmission Rate – Network Service Rate	546	0.0046	2.51	546	0.0046	2.51	0.00	0.00%	2.21%
Retail Transmission Rate – Line and Transformation Connection S	546	0.003	1.64	546	0.003	1.64	0.00	0.00%	1.44%
Sub-Total: Retail Transmission			4.15			4.15	0.00	0.00%	3.64%
Sub-Total: Delivery			61.91			62.17	0.26	0.42%	54.59%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.11%
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%	2.90%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.07%
Total Bill on Two-Tier RPP (before Taxes)			111.71			111.97	0.26	0.23%	98.33%
HST		0.13	14.52		0.13	14.56	0.03	0.23%	12.78%
Total Bill (including HST)			126.24			126.53	0.29	0.23%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.62		-0.10	-12.65	-0.03	0.23%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			113.61			113.88	0.26	0.23%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	33.48%
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.11%
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	46.59%
Service Charge	1	39.41	39.41	1	38.11	38.11	-1.30	-3.30%	19.78%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-0.58	-0.58	1	1	1.00	1.58	-272.41%	0.52%
Fixed Deferral/Variance Account Rider	1	0.32	0.32	1	0.3	0.30	-0.02	-6.25%	0.16%
Distribution Volumetric Rate	1,000	0.0297	29.70	1,000	0.0286	28.60	-1.10	-3.70%	14.85%
Volumetric Smoothing Rider	1,000	-0.0004	-0.40	1,000	0.0008	0.80	1.20	-300.00%	0.42%
Volumetric Deferral/Variance Account Rider	1,000	0	0.00	1,000	-0.0001	-0.10	-0.10	0.00%	-0.05%
Sub-Total: Distribution (excluding pass through)			68.45			68.71	0.26	0.38%	35.67%
Line Losses on Cost of Power	92	0.10	9.29	92	0.10	9.29	0.00	0.00%	4.82%
Sub-Total: Distribution			77.74			78.00	0.26	0.33%	40.49%
Retail Transmission Rate – Network Service Rate	1,092	0.0046	5.02	1,092	0.0046	5.02	0.00	0.00%	2.61%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.003	3.28	1,092	0.003	3.28	0.00	0.00%	1.70%
Sub-Total: Retail Transmission			8.30			8.30	0.00	0.00%	4.31%
Sub-Total: Delivery			86.04			86.30	0.26	0.30%	44.80%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.49%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	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%	0.13%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.30%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.63%
Total Bill on Two-Tier RPP (before Taxes)			189.16			189.42	0.26	0.14%	98.33%
HST		0.13	24.59		0.13	24.62	0.03	0.14%	12.78%
Total Bill (including HST)			213.75			214.04	0.29	0.14%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.37		-0.10	-21.40	-0.03	0.14%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			192.37			192.64	0.26	0.14%	100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.086	1,368.69	15,915	0.086	1,368.69	0.00	0.00%	41.51%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,368.69			1,368.69	0.00	0.00%	41.51%
Service Charge	1	98.56	98.56	1	103.54	103.54	4.98	5.05%	3.14%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.44	-1.44	1	2.72	2.72	4.16	-288.89%	0.08%
Fixed Deferral/Variance Account Rider	1	0.68	0.68	1	0.69	0.69	0.01	1.47%	0.02%
Distribution Volumetric Rate	60	16.4418	986.51	60	17.6167	1,057.00	70.49	7.15%	32.06%
Volumetric Smoothing Rider	60	-0.2405	-14.43	60	0.4624	27.74	42.17	-292.27%	0.84%
Volumetric Deferral/Variance Account Rider	60	0.021	1.26	60	0.026	1.55	0.29	22.86%	0.05%
Sub-Total: Distribution			1,071.14			1,193.24	122.11	11.40%	36.19%
Retail Transmission Rate – Network Service Rate	60	1.6422	98.53	60	1.6422	98.53	0.00	0.00%	2.99%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.0516	63.10	60	1.0516	63.10	0.00	0.00%	1.91%
Sub-Total: Retail Transmission			161.63			161.63	0.00	0.00%	4.90%
Sub-Total: Delivery			1,232.77			1,354.87	122.11	9.91%	41.09%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.12%
Rural Rate Protection Charge	15,915	0.0012	19.10	15,915	0.0012	19.10	0.00	0.00%	0.58%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			89.37			89.37	0.00	0.00%	2.71%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.18%
Total Bill on Two-Tier RPP (before Taxes)			2,795.83			2,917.94	122.11	4.37%	88.50%
HST		0.13	363.46		0.13	379.33	15.87	4.37%	11.50%
Total Bill (including HST)			3,159.29			3,297.27	137.98	4.37%	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 OCEB)			3,159.29			3,297.27	137.98	4.37%	100.00%

2018 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)	37,135	0.086	3,193.61	37,135	0.086	3,193.61	0.00	0.00%	45.22%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,193.61			3,193.61	0.00	0.00%	45.22%
Service Charge	1	98.56	98.56	1	103.54	103.54	4.98	5.05%	1.47%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.44	-1.44	1	2.72	2.72	4.16	-288.89%	0.04%
Fixed Deferral/Variance Account Rider	1	0.68	0.68	1	0.69	0.69	0.01	1.47%	0.01%
Distribution Volumetric Rate	120	16.4418	1,973.02	120	17.6167	2,114.00	140.99	7.15%	29.93%
Volumetric Smoothing Rider	120	-0.2405	-28.86	120	0.4624	55.49	84.35	-292.27%	0.79%
Volumetric Deferral/Variance Account Rider	120	0.021	2.52	120	0.0258	3.10	0.58	22.86%	0.04%
Sub-Total: Distribution			2,044.48			2,279.54	235.06	11.50%	32.28%
Retail Transmission Rate – Network Service Rate	120	1.6422	197.06	120	1.6422	197.06	0.00	0.00%	2.79%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.0516	126.19	120	1.0516	126.19	0.00	0.00%	1.79%
Sub-Total: Retail Transmission			323.26			323.26	0.00	0.00%	4.58%
Sub-Total: Delivery			2,367.73			2,602.79	235.06	9.93%	36.86%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.31%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.63%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	2.95%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.47%
Total Bill on Two-Tier RPP (before Taxes)			6,014.55			6,249.61	235.06	3.91%	88.50%
HST		0.13	781.89		0.13	812.45	30.56	3.91%	11.50%
Total Bill (including HST)			6,796.44			7,062.06	265.62	3.91%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			6,796.44			7,062.06	265.62	3.91%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.086	15,968.05	185,675	0.086	15,968.05	0.00	0.00%	49.17%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,968.05			15,968.05	0.00	0.00%	49.17%
Service Charge	1	98.56	98.56	1	103.54	103.54	4.98	5.05%	0.32%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.44	-1.44	1	2.72	2.72	4.16	-288.89%	0.01%
Fixed Deferral/Variance Account Rider	1	0.68	0.68	1	0.69	0.69	0.01	1.47%	0.00%
Distribution Volumetric Rate	500	16.4418	8,220.90	500	17.6167	8,808.35	587.45	7.15%	27.12%
Volumetric Smoothing Rider	500	-0.2405	-120.25	500	0.4624	231.20	351.45	-292.27%	0.71%
Volumetric Deferral/Variance Account Rider	500	0.021	10.50	500	0.0258	12.90	2.40	22.86%	0.04%
Sub-Total: Distribution			8,208.95			9,159.40	950.45	11.58%	28.20%
Retail Transmission Rate – Network Service Rate	500	1.6422	821.10	500	1.6422	821.10	0.00	0.00%	2.53%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.0516	525.80	500	1.0516	525.80	0.00	0.00%	1.62%
Sub-Total: Retail Transmission			1,346.90			1,346.90	0.00	0.00%	4.15%
Sub-Total: Delivery			9,555.85			10,506.30	950.45	9.95%	32.35%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.52%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.69%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.20%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.77%
Total Bill on Two-Tier RPP (before Taxes)			27,788.93			28,739.38	950.45	3.42%	88.50%
HST		0.13	3,612.56		0.13	3,736.12	123.56	3.42%	11.50%
Total Bill (including HST)			31,401.49			32,475.50	1,074.01	3.42%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			31,401.49			32,475.50	1,074.01	3.42%	100.00%

2018 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)	15,750	0.086	1,354.50	15,750	0.086	1,354.50	0.00	0.00%	48.45%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,354.50			1,354.50	0.00	0.00%	48.45%
Service Charge	1	100.56	100.56	1	106.14	106.14	5.58	5.55%	3.80%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.47	-1.47	1	2.79	2.79	4.26	-289.80%	0.10%
Fixed Deferral/Variance Account Rider	1	0.69	0.69	1	0.71	0.71	0.02	2.90%	0.03%
Distribution Volumetric Rate	60	9.383	562.98	60	10.0451	602.71	39.73	7.06%	21.56%
Volumetric Smoothing Rider	60	-0.1373	-8.24	60	0.2637	15.82	24.06	-292.06%	0.57%
Volumetric Deferral/Variance Account Rider	60	-0.0401	-2.41	60	-0.0376	-2.26	0.15	-6.23%	-0.08%
Sub-Total: Distribution			652.12			725.91	73.80	11.32%	25.97%
Retail Transmission Rate – Network Service Rate	60	2.0526	123.16	60	2.0526	123.16	0.00	0.00%	4.41%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2844	77.06	60	1.2844	77.06	0.00	0.00%	2.76%
Sub-Total: Retail Transmission			200.22			200.22	0.00	0.00%	7.16%
Sub-Total: Delivery			852.34			926.13	73.80	8.66%	33.13%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.48%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	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%	0.01%
Sub-Total: Regulatory			88.45			88.45	0.00	0.00%	3.16%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.76%
Total Bill on Two-Tier RPP (before Taxes)			2,400.29			2,474.08	73.80	3.07%	88.50%
HST		0.13	312.04		0.13	321.63	9.59	3.07%	11.50%
Total Bill (including HST)			2,712.32			2,795.71	83.39	3.07%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			2,712.32			2,795.71	83.39	3.07%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.086	3,160.50	36,750	0.086	3,160.50	0.00	0.00%	52.24%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,160.50			3,160.50	0.00	0.00%	52.24%
Service Charge	1	100.56	100.56	1	106.14	106.14	5.58	5.55%	1.75%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.47	-1.47	1	2.79	2.79	4.26	-289.80%	0.05%
Fixed Deferral/Variance Account Rider	1	0.69	0.69	1	0.71	0.71	0.02	2.90%	0.01%
Distribution Volumetric Rate	120	9.383	1,125.96	120	10.0451	1,205.41	79.45	7.06%	19.92%
Volumetric Smoothing Rider	120	-0.1373	-16.48	120	0.2637	31.64	48.12	-292.06%	0.52%
Volumetric Deferral/Variance Account Rider	120	-0.0401	-4.81	120	-0.0376	-4.51	0.30	-6.23%	-0.07%
Sub-Total: Distribution			1,204.45			1,342.18	137.73	11.44%	22.18%
Retail Transmission Rate – Network Service Rate	120	2.0526	246.31	120	2.0526	246.31	0.00	0.00%	4.07%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2844	154.13	120	1.2844	154.13	0.00	0.00%	2.55%
Sub-Total: Retail Transmission			400.44			400.44	0.00	0.00%	6.62%
Sub-Total: Delivery			1,604.89			1,742.62	137.73	8.58%	28.80%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.67%
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%	3.41%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	4.05%
Total Bill on Two-Tier RPP (before Taxes)			5,216.44			5,354.17	137.73	2.64%	88.50%
HST		0.13	678.14		0.13	696.04	17.91	2.64%	11.50%
Total Bill (including HST)			5,894.58			6,050.22	155.64	2.64%	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 OCEB)			5,894.58			6,050.22	155.64	2.64%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.086	15,802.50	183,750	0.086	15,802.50	0.00	0.00%	56.00%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,802.50			15,802.50	0.00	0.00%	56.00%
Service Charge	1	100.56	100.56	1	106.14	106.14	5.58	5.55%	0.38%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-1.47	-1.47	1	2.79	2.79	4.26	-289.80%	0.01%
Fixed Deferral/Variance Account Rider	1	0.69	0.69	1	0.71	0.71	0.02	2.90%	0.00%
Distribution Volumetric Rate	500	9.383	4,691.50	500	10.0451	5,022.55	331.05	7.06%	17.80%
Volumetric Smoothing Rider	500	-0.1373	-68.65	500	0.2637	131.85	200.50	-292.06%	0.47%
Volumetric Deferral/Variance Account Rider	500	-0.0401	-20.05	500	-0.0376	-18.80	1.25	-6.23%	-0.07%
Sub-Total: Distribution			4,702.58			5,245.24	542.66	11.54%	18.59%
Retail Transmission Rate – Network Service Rate	500	2.0526	1,026.30	500	2.0526	1,026.30	0.00	0.00%	3.64%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2844	642.20	500	1.2844	642.20	0.00	0.00%	2.28%
Sub-Total: Retail Transmission			1,668.50			1,668.50	0.00	0.00%	5.91%
Sub-Total: Delivery			6,371.08			6,913.74	542.66	8.52%	24.50%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.87%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	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			1,029.25			1,029.25	0.00	0.00%	3.65%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.34%
Total Bill on Two-Tier RPP (before Taxes)			24,427.83			24,970.49	542.66	2.22%	88.50%
HST		0.13	3,175.62		0.13	3,246.16	70.55	2.22%	11.50%
Total Bill (including HST)			27,603.45			28,216.65	613.21	2.22%	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 OCEB)			27,603.45			28,216.65	613.21	2.22%	100.00%

2018 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)	318	0.086	27.37	318	0.086	27.37	0.00	0.00%	6.13%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			27.37			27.37	0.00	0.00%	6.13%
Service Charge	1	238.69	238.69	1	266.3	266.30	27.61	11.57%	59.65%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.49	-3.49	1	6.99	6.99	10.48	-300.29%	1.57%
Fixed Deferral/Variance Account Rider	1	2.12	2.12	1	2.31	2.31	0.19	8.96%	0.52%
Distribution Volumetric Rate	10	6.2919	62.92	10	7.6646	76.65	13.73	21.82%	17.17%
Volumetric Smoothing Rider	10	-0.092	-0.92	10	0.2012	2.01	2.93	-318.70%	0.45%
Volumetric Deferral/Variance Account Rider	10	0.0268	0.27	10	0.037	0.37	0.10	38.06%	0.08%
Sub-Total: Distribution			299.59			354.63	55.04	18.37%	79.44%
Retail Transmission Rate – Network Service Rate	10	0.5491	5.49	10	0.5491	5.49	0.00	0.00%	1.23%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3443	3.44	10	0.3443	3.44	0.00	0.00%	0.77%
Sub-Total: Retail Transmission			8.93			8.93	0.00	0.00%	2.00%
Sub-Total: Delivery			308.52			363.56	55.04	17.84%	81.44%
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)			340.03			395.07	55.04	16.19%	88.50%
HST		0.13	44.20		0.13	51.36	7.16	16.19%	11.50%
Total Bill (including HST)			384.23			446.43	62.20	16.19%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			384.23			446.43	62.20	16.19%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.086	182.49	2,122	0.086	182.49	0.00	0.00%	24.46%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			182.49			182.49	0.00	0.00%	24.46%
Service Charge	1	238.69	238.69	1	266.3	266.30	27.61	11.57%	35.70%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.49	-3.49	1	6.99	6.99	10.48	-300.29%	0.94%
Fixed Deferral/Variance Account Rider	1	2.12	2.12	1	2.31	2.31	0.19	8.96%	0.31%
Distribution Volumetric Rate	20	6.2919	125.84	20	7.6646	153.29	27.45	21.82%	20.55%
Volumetric Smoothing Rider	20	-0.092	-1.84	20	0.2012	4.02	5.86	-318.70%	0.54%
Volumetric Deferral/Variance Account Rider	20	0.0268	0.54	20	0.037	0.74	0.20	38.06%	0.10%
Sub-Total: Distribution			361.85			433.66	71.80	19.84%	58.13%
Retail Transmission Rate – Network Service Rate	20	0.5491	10.98	20	0.5491	10.98	0.00	0.00%	1.47%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3443	6.89	20	0.3443	6.89	0.00	0.00%	0.92%
Sub-Total: Retail Transmission			17.87			17.87	0.00	0.00%	2.40%
Sub-Total: Delivery			379.72			451.52	71.80	18.91%	60.53%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.25%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	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%	0.03%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	1.63%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	1.88%
Total Bill on Two-Tier RPP (before Taxes)			588.35			660.15	71.80	12.20%	88.50%
HST		0.13	76.49		0.13	85.82	9.33	12.20%	11.50%
Total Bill (including HST)			664.83			745.97	81.14	12.20%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			664.83			745.97	81.14	12.20%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.086	456.23	5,305	0.086	456.23	0.00	0.00%	24.08%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			456.23			456.23	0.00	0.00%	24.08%
Service Charge	1	238.69	238.69	1	266.3	266.30	27.61	11.57%	14.06%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-3.49	-3.49	1	6.99	6.99	10.48	-300.29%	0.37%
Fixed Deferral/Variance Account Rider	1	2.12	2.12	1	2.31	2.31	0.19	8.96%	0.12%
Distribution Volumetric Rate	100	6.2919	629.19	100	7.6646	766.46	137.27	21.82%	40.46%
Volumetric Smoothing Rider	100	-0.092	-9.20	100	0.2012	20.12	29.32	-318.70%	1.06%
Volumetric Deferral/Variance Account Rider	100	0.0268	2.68	100	0.037	3.70	1.02	38.06%	0.20%
Sub-Total: Distribution			859.99			1,065.88	205.89	23.94%	56.27%
Retail Transmission Rate – Network Service Rate	100	0.5491	54.91	100	0.5491	54.91	0.00	0.00%	2.90%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3443	34.43	100	0.3443	34.43	0.00	0.00%	1.82%
Sub-Total: Retail Transmission			89.34			89.34	0.00	0.00%	4.72%
Sub-Total: Delivery			949.33			1,155.22	205.89	21.69%	60.98%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.23%
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%	1.58%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.85%
Total Bill on Two-Tier RPP (before Taxes)			1,470.52			1,676.41	205.89	14.00%	88.50%
HST		0.13	191.17		0.13	217.93	26.77	14.00%	11.50%
Total Bill (including HST)			1,661.69			1,894.34	232.66	14.00%	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 OCEB)			1,661.69			1,894.34	232.66	14.00%	100.00%

2018 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.086	17,784.80	206,800	0.086	17,784.80	0.00	0.00%	61.50%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,784.80			17,784.80	0.00	0.00%	61.50%
Service Charge	1	1258.49	1,258.49	1	1314.53	1,314.53	56.04	4.45%	4.55%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-14.19	-14.19	1	26.4	26.40	40.59	-286.05%	0.09%
Fixed Deferral/Variance Account Rider	1	6.55	6.55	1	6.64	6.64	0.09	1.37%	0.02%
Distribution Volumetric Rate	500	1.3182	659.10	500	1.3849	692.45	33.35	5.06%	2.39%
Volumetric Smoothing Rider	500	-0.0207	-10.35	500	0.0388	19.40	29.75	-287.44%	0.07%
Volumetric Deferral/Variance Account Rider	500	0.1875	93.75	500	0.1876	93.80	0.05	0.05%	0.32%
Sub-Total: Distribution			1,993.35			2,153.22	159.87	8.02%	7.45%
Retail Transmission Rate – Network Service Rate	500	3.5654	1,782.70	500	3.5654	1,782.70	0.00	0.00%	6.17%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6212	1,310.60	500	2.6212	1,310.60	0.00	0.00%	4.53%
Sub-Total: Retail Transmission			3,093.30			3,093.30	0.00	0.00%	10.70%
Sub-Total: Delivery			5,086.65			5,246.52	159.87	3.14%	18.14%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.15%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	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			1,158.33			1,158.33	0.00	0.00%	4.01%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.84%
Total Bill on Two-Tier RPP (before Taxes)			25,429.78			25,589.65	159.87	0.63%	88.50%
HST		0.13	3,305.87		0.13	3,326.65	20.78	0.63%	11.50%
Total Bill (including HST)			28,735.65			28,916.30	180.65	0.63%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,735.65			28,916.30	180.65	0.63%	100.00%

2018 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.086	44,462.00	517,000	0.086	44,462.00	0.00	0.00%	65.57%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			44,462.00			44,462.00	0.00	0.00%	65.57%
Service Charge	1	1258.49	1,258.49	1	1314.53	1,314.53	56.04	4.45%	1.94%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-14.19	-14.19	1	26.4	26.40	40.59	-286.05%	0.04%
Fixed Deferral/Variance Account Rider	1	6.55	6.55	1	6.64	6.64	0.09	1.37%	0.01%
Distribution Volumetric Rate	1,000	1.3182	1,318.20	1,000	1.3849	1,384.90	66.70	5.06%	2.04%
Volumetric Smoothing Rider	1,000	-0.0207	-20.70	1,000	0.0388	38.80	59.50	-287.44%	0.06%
Volumetric Deferral/Variance Account Rider	1,000	0.1875	187.50	1,000	0.1876	187.60	0.10	0.05%	0.28%
Sub-Total: Distribution			2,735.85			2,958.87	223.02	8.15%	4.36%
Retail Transmission Rate – Network Service Rate	1,000	3.5654	3,565.40	1,000	3.5654	3,565.40	0.00	0.00%	5.26%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6212	2,621.20	1,000	2.6212	2,621.20	0.00	0.00%	3.87%
Sub-Total: Retail Transmission			6,186.60			6,186.60	0.00	0.00%	9.12%
Sub-Total: Delivery			8,922.45			9,145.47	223.02	2.50%	13.49%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.35%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	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			2,895.45			2,895.45	0.00	0.00%	4.27%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.16%
Total Bill on Two-Tier RPP (before Taxes)			59,779.90			60,002.92	223.02	0.37%	88.50%
HST		0.13	7,771.39		0.13	7,800.38	28.99	0.37%	11.50%
Total Bill (including HST)			67,551.29			67,803.30	252.01	0.37%	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 OCEB)			67,551.29			67,803.30	252.01	0.37%	100.00%

2018 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.086	355,696.00	4,136,000	0.086	355,696.00	0.00	0.00%	64.74%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			355,696.00			355,696.00	0.00	0.00%	64.74%
Service Charge	1	1258.49	1,258.49	1	1314.53	1,314.53	56.04	4.45%	0.24%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	-14.19	-14.19	1	26.4	26.40	40.59	-286.05%	0.00%
Fixed Deferral/Variance Account Rider	1	6.55	6.55	1	6.64	6.64	0.09	1.37%	0.00%
Distribution Volumetric Rate	10,000	1.3182	13,182.00	10,000	1.3849	13,849.00	667.00	5.06%	2.52%
Volumetric Smoothing Rider	10,000	-0.0207	-207.00	10,000	0.0388	388.00	595.00	-287.44%	0.07%
Volumetric Deferral/Variance Account Rider	10,000	0.1875	1,875.00	10,000	0.1876	1,876.00	1.00	0.05%	0.34%
Sub-Total: Distribution			16,100.85			17,460.57	1,359.72	8.45%	3.18%
Retail Transmission Rate – Network Service Rate	10,000	3.5654	35,654.00	10,000	3.5654	35,654.00	0.00	0.00%	6.49%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6212	26,212.00	10,000	2.6212	26,212.00	0.00	0.00%	4.77%
Sub-Total: Retail Transmission			61,866.00			61,866.00	0.00	0.00%	11.26%
Sub-Total: Delivery			77,966.85			79,326.57	1,359.72	1.74%	14.44%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.31%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.90%
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%	4.22%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.10%
Total Bill on Two-Tier RPP (before Taxes)			484,824.70			486,184.42	1,359.72	0.28%	88.50%
HST		0.13	63,027.21		0.13	63,203.97	176.76	0.28%	11.50%
Total Bill (including HST)			547,851.91			549,388.39	1,536.48	0.28%	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 OCEB)			547,851.91			549,388.39	1,536.48	0.28%	100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	23.75%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	23.75%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		13.01%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		5.46%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		6.59%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	25.54%	25.06%
Service Charge	1	20.01	20.01	1	19.65	19.65	-0.36	-1.80%	54.27%	53.25%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.53	0.53	1	1.25	1.25	0.72	135.85%	3.45%	3.39%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.58%	0.57%
Distribution Volumetric Rate	100	0.0174	1.74	100	0.0172	1.72	-0.02	-1.15%	4.75%	4.66%
Volumetric Smoothing Rider	100	0.0005	0.05	100	0.0011	0.11	0.06	120.00%	0.30%	0.30%
Volumetric Deferral/Variance Account Rider	100	-0.0001	-0.01	100	-0.0002	-0.02	-0.01	100.00%	-0.06%	-0.05%
Sub-Total: Distribution (excluding pass through)			22.54			22.92	0.38	1.69%	63.31%	62.11%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	2.18%	2.14%
Line Losses on Cost of Power (based on two-tier RPP prices)	6	0.09	0.49	6	0.09	0.49	0.00	0.00%	1.35%	1.33%
Line Losses on Cost of Power (based on TOU prices)	6	0.09	0.53	6	0.09	0.53	0.00	0.00%	1.46%	1.43%
Sub-Total: Distribution (based on two-tier RPP prices)			23.82			24.20	0.38	1.60%	66.84%	65.58%
Sub-Total: Distribution (based on TOU prices)			23.86			24.24	0.38	1.59%	66.94%	65.68%
Retail Transmission Rate – Network Service Rate	106	0.0071	0.75	106	0.0071	0.75	0.00	0.00%	2.07%	2.03%
Retail Transmission Rate – Line and Transformation Connection	106	0.0048	0.51	106	0.0048	0.51	0.00	0.00%	1.40%	1.37%
Sub-Total: Retail Transmission			1.26			1.26	0.00	0.00%	3.47%	3.41%
Sub-Total: Delivery (based on two-tier RPP prices)			25.08			25.46	0.38	1.52%	70.32%	68.99%
Sub-Total: Delivery (based on TOU prices)			25.11			25.49	0.38	1.51%	70.42%	69.09%
Wholesale Market Service Rate	106	0.0044	0.47	106	0.0044	0.47	0.00	0.00%	1.28%	1.26%
Rural Rate Protection Charge	106	0.0012	0.13	106	0.0012	0.13	0.00	0.00%	0.35%	0.34%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.69%	0.68%
Sub-Total: Regulatory			0.84			0.84	0.00	0.00%	2.33%	2.28%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.93%	1.90%
Total Bill on Two-Tier RPP (before Taxes)			35.22			35.60	0.38	1.08%	98.33%	
HST		0.13	4.58		0.13	4.63	0.05	1.08%	12.78%	
Total Bill (including HST)			39.80			40.23	0.43	1.08%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.98		-0.10	-4.02	-0.04	1.08%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			35.82			36.21	0.39	1.08%	100.00%	
Total Bill on TOU (before Taxes)			35.90			36.28	0.38	1.06%		98.33%
HST		0.13	4.67		0.13	4.72	0.05	1.06%	12.78%	
Total Bill (including HST)			40.57			41.00	0.43	1.06%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.06		-0.10	-4.10	-0.04	1.06%	-11.11%	
Total Bill on TOU (including OCEB)			36.51			36.90	0.39	1.06%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	845.6
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	38.02%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	14.89%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	52.91%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		27.93%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		11.73%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		14.14%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	54.51%	53.79%
Service Charge	1	20.01	20.01	1	19.65	19.65	-0.36	-1.80%	14.48%	14.29%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.53	0.53	1	1.25	1.25	0.72	135.85%	0.92%	0.91%
Fixed Deferral/Variance Account Rider	1	0.22	0.22	1	0.21	0.21	-0.01	-4.55%	0.15%	0.15%
Distribution Volumetric Rate	800	0.0174	13.92	800	0.0172	13.76	-0.16	-1.15%	10.14%	10.01%
Volumetric Smoothing Rider	800	0.0005	0.40	800	0.0011	0.88	0.48	120.00%	0.65%	0.64%
Volumetric Deferral/Variance Account Rider	800	-0.0001	-0.08	800	-0.0002	-0.16	-0.08	100.00%	-0.12%	-0.12%
Sub-Total: Distribution (excluding pass through)			35.00			35.59	0.59	1.69%	26.23%	25.88%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.58%	0.57%
Line Losses on Cost of Power (based on two-tier RPP prices)	46	0.10	4.61	46	0.10	4.61	0.00	0.00%	3.39%	3.35%
Line Losses on Cost of Power (based on TOU prices)	46	0.09	4.22	46	0.09	4.22	0.00	0.00%	3.11%	3.07%
Sub-Total: Distribution (based on two-tier RPP prices)			40.40			40.99	0.59	1.46%	30.20%	29.81%
Sub-Total: Distribution (based on TOU prices)			40.01			40.60	0.59	1.47%	29.92%	29.52%
Retail Transmission Rate – Network Service Rate	846	0.0071	6.00	846	0.0071	6.00	0.00	0.00%	4.42%	4.37%
Retail Transmission Rate – Line and Transformation Connection	846	0.0048	4.06	846	0.0048	4.06	0.00	0.00%	2.99%	2.95%
Sub-Total: Retail Transmission			10.06			10.06	0.00	0.00%	7.42%	7.32%
Sub-Total: Delivery (based on two-tier RPP prices)			50.46			51.05	0.59	1.17%	37.62%	37.12%
Sub-Total: Delivery (based on TOU prices)			50.07			50.66	0.59	1.18%	37.33%	36.84%
Wholesale Market Service Rate	846	0.0044	3.72	846	0.0044	3.72	0.00	0.00%	2.74%	2.71%
Rural Rate Protection Charge	846	0.0012	1.01	846	0.0012	1.01	0.00	0.00%	0.75%	0.74%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.18%	0.18%
Sub-Total: Regulatory			4.99			4.99	0.00	0.00%	3.67%	3.63%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	4.13%	4.07%
Total Bill on Two-Tier RPP (before Taxes)			132.84			133.43	0.59	0.44%	98.33%	
HST		0.13	17.27		0.13	17.35	0.08	0.44%	12.78%	
Total Bill (including HST)			150.11			150.78	0.67	0.44%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.01		-0.10	-15.08	-0.07	0.44%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			135.10			135.70	0.60	0.44%	100.00%	
Total Bill on TOU (before Taxes)			134.62			135.21	0.59	0.44%		98.33%
HST		0.13	17.50		0.13	17.58	0.08	0.44%		12.78%
Total Bill (including HST)			152.12			152.79	0.67	0.44%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-15.21		-0.10	-15.28	-0.07	0.44%		-11.11%
Total Bill on TOU (including OCEB)			136.91			137.51	0.60	0.44%		100.00%

2019 Bill Impacts (High Consumption Level)

Rate Class	UR
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.057
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2114
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	16.17%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	44.30%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	60.46%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		30.97%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		13.01%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		15.68%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	57.93%	59.65%
Service Charge	1	20.01	20.01	1	19.65	19.65	-0.36	-1.80%	6.16%	6.34%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.53	0.53	1	1.25	1.25	0.72	135.85%	0.39%	0.40%
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	0.0174	34.80	2,000	0.0172	34.40	-0.40	-1.15%	10.78%	11.10%
Volumetric Smoothing Rider	2,000	0.0005	1.00	2,000	0.0011	2.20	1.20	120.00%	0.69%	0.71%
Volumetric Deferral/Variance Account Rider	2,000	-0.0001	-0.20	2,000	-0.0002	-0.40	-0.20	100.00%	-0.13%	-0.13%
Sub-Total: Distribution (excluding pass through)			56.36			57.31	0.95	1.69%	17.95%	18.49%
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)	114	0.10	11.51	114	0.10	11.51	0.00	0.00%	3.61%	3.71%
Line Losses on Cost of Power (based on TOU prices)	114	0.09	10.54	114	0.09	10.54	0.00	0.00%	3.30%	3.40%
Sub-Total: Distribution (based on two-tier RPP prices)			68.66			69.61	0.95	1.38%	21.81%	22.46%
Sub-Total: Distribution (based on TOU prices)			67.69			68.64	0.95	1.40%	21.50%	22.14%
Retail Transmission Rate – Network Service Rate	2,114	0.0071	15.01	2,114	0.0071	15.01	0.00	0.00%	4.70%	4.84%
Retail Transmission Rate – Line and Transformation Connection	2,114	0.0048	10.15	2,114	0.0048	10.15	0.00	0.00%	3.18%	3.27%
Sub-Total: Retail Transmission			25.16			25.16	0.00	0.00%	7.88%	8.12%
Sub-Total: Delivery (based on two-tier RPP prices)			93.82			94.77	0.95	1.01%	29.69%	30.57%
Sub-Total: Delivery (based on TOU prices)			92.85			93.80	0.95	1.02%	29.39%	30.26%
Wholesale Market Service Rate	2,114	0.0044	9.30	2,114	0.0044	9.30	0.00	0.00%	2.91%	3.00%
Rural Rate Protection Charge	2,114	0.0012	2.54	2,114	0.0012	2.54	0.00	0.00%	0.79%	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			12.09			12.09	0.00	0.00%	3.79%	3.90%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	4.39%	4.52%
Total Bill on Two-Tier RPP (before Taxes)			312.91			313.86	0.95	0.30%	98.33%	
HST		0.13	40.68		0.13	40.80	0.12	0.30%	12.78%	
Total Bill (including HST)			353.59			354.66	1.07	0.30%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-35.36		-0.10	-35.47	-0.11	0.30%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			318.23			319.19	0.97	0.30%	100.00%	
Total Bill on TOU (before Taxes)			303.86			304.81	0.95	0.31%		98.33%
HST		0.13	39.50		0.13	39.62	0.12	0.31%		12.78%
Total Bill (including HST)			343.36			344.43	1.07	0.31%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-34.34		-0.10	-34.44	-0.11	0.31%		-11.11%
Total Bill on TOU (including OCEB)			309.02			309.99	0.97	0.31%		100.00%

2019 Bill Impacts (Low Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	107.6
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	18.36%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	18.36%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		10.09%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		4.24%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		5.11%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	19.74%	19.44%
Service Charge	1	28.31	28.31	1	27.91	27.91	-0.40	-1.41%	59.58%	58.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.74	0.74	1	1.77	1.77	1.03	139.19%	3.78%	3.72%
Fixed Deferral/Variance Account Rider	1	0.27	0.27	1	0.26	0.26	-0.01	-3.70%	0.56%	0.55%
Distribution Volumetric Rate	100	0.0315	3.15	100	0.0313	3.13	-0.02	-0.63%	6.68%	6.58%
Volumetric Smoothing Rider	100	0.0008	0.08	100	0.002	0.20	0.12	150.00%	0.43%	0.42%
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)			32.54			33.26	0.72	2.21%	71.00%	69.95%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.69%	1.66%
Line Losses on Cost of Power (based on two-tier RPP prices)	8	0.09	0.65	8	0.09	0.65	0.00	0.00%	1.40%	1.37%
Line Losses on Cost of Power (based on TOU prices)	8	0.09	0.70	8	0.09	0.70	0.00	0.00%	1.50%	1.48%
Sub-Total: Distribution (based on two-tier RPP prices)			33.98			34.70	0.72	2.12%	74.08%	72.98%
Sub-Total: Distribution (based on TOU prices)			34.03			34.75	0.72	2.12%	74.19%	73.08%
Retail Transmission Rate – Network Service Rate	108	0.0066	0.71	108	0.0066	0.71	0.00	0.00%	1.52%	1.49%
Retail Transmission Rate – Line and Transformation Connection	108	0.0046	0.49	108	0.0046	0.49	0.00	0.00%	1.06%	1.04%
Sub-Total: Retail Transmission			1.21			1.21	0.00	0.00%	2.57%	2.53%
Sub-Total: Delivery (based on two-tier RPP prices)			35.19			35.91	0.72	2.05%	76.66%	75.52%
Sub-Total: Delivery (based on TOU prices)			35.24			35.96	0.72	2.04%	76.76%	75.62%
Wholesale Market Service Rate	108	0.0044	0.47	108	0.0044	0.47	0.00	0.00%	1.01%	1.00%
Rural Rate Protection Charge	108	0.0012	0.13	108	0.0012	0.13	0.00	0.00%	0.28%	0.27%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.53%	0.53%
Sub-Total: Regulatory			0.85			0.85	0.00	0.00%	1.82%	1.79%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.49%	1.47%
Total Bill on Two-Tier RPP (before Taxes)			45.34			46.06	0.72	1.59%	98.33%	
HST		0.13	5.89		0.13	5.99	0.09	1.59%	12.78%	
Total Bill (including HST)			51.24			52.05	0.81	1.59%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.12		-0.10	-5.20	-0.08	1.59%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			46.11			46.84	0.73	1.59%	100.00%	
Total Bill on TOU (before Taxes)			46.04			46.76	0.72	1.56%		98.33%
HST		0.13	5.98		0.13	6.08	0.09	1.56%		12.78%
Total Bill (including HST)			52.02			52.83	0.81	1.56%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-5.20		-0.10	-5.28	-0.08	1.56%		-11.11%
Total Bill on TOU (including OCEB)			46.82			47.55	0.73	1.56%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	32.62%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	12.77%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	45.39%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		24.02%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		10.09%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		12.16%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	46.76%	46.27%
Service Charge	1	28.31	28.31	1	27.91	27.91	-0.40	-1.41%	17.64%	17.46%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.74	0.74	1	1.77	1.77	1.03	139.19%	1.12%	1.11%
Fixed Deferral/Variance Account Rider	1	0.27	0.27	1	0.26	0.26	-0.01	-3.70%	0.16%	0.16%
Distribution Volumetric Rate	800	0.0315	25.20	800	0.0313	25.04	-0.16	-0.63%	15.83%	15.66%
Volumetric Smoothing Rider	800	0.0008	0.64	800	0.002	1.60	0.96	150.00%	1.01%	1.00%
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)			55.08			56.50	1.42	2.58%	35.72%	35.34%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.50%	0.49%
Line Losses on Cost of Power (based on two-tier RPP prices)	61	0.10	6.14	61	0.10	6.14	0.00	0.00%	3.88%	3.84%
Line Losses on Cost of Power (based on TOU prices)	61	0.09	5.62	61	0.09	5.62	0.00	0.00%	3.55%	3.52%
Sub-Total: Distribution (based on two-tier RPP prices)			62.01			63.43	1.42	2.29%	40.10%	39.68%
Sub-Total: Distribution (based on TOU prices)			61.49			62.91	1.42	2.31%	39.77%	39.35%
Retail Transmission Rate – Network Service Rate	861	0.0066	5.68	861	0.0066	5.68	0.00	0.00%	3.59%	3.55%
Retail Transmission Rate – Line and Transformation Connection S	861	0.0046	3.96	861	0.0046	3.96	0.00	0.00%	2.50%	2.48%
Sub-Total: Retail Transmission			9.64			9.64	0.00	0.00%	6.09%	6.03%
Sub-Total: Delivery (based on two-tier RPP prices)			71.65			73.07	1.42	1.98%	46.19%	45.71%
Sub-Total: Delivery (based on TOU prices)			71.13			72.55	1.42	2.00%	45.87%	45.38%
Wholesale Market Service Rate	861	0.0044	3.79	861	0.0044	3.79	0.00	0.00%	2.39%	2.37%
Rural Rate Protection Charge	861	0.0012	1.03	861	0.0012	1.03	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%	0.16%	0.16%
Sub-Total: Regulatory			5.07			5.07	0.00	0.00%	3.21%	3.17%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	3.54%	3.50%
Total Bill on Two-Tier RPP (before Taxes)			154.12			155.54	1.42	0.92%	98.33%	
HST		0.13	20.04		0.13	20.22	0.18	0.92%	12.78%	
Total Bill (including HST)			174.16			175.76	1.60	0.92%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.42		-0.10	-17.58	-0.16	0.92%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			156.74			158.19	1.44	0.92%	100.00%	
Total Bill on TOU (before Taxes)			155.77			157.19	1.42	0.91%		98.33%
HST		0.13	20.25		0.13	20.43	0.18	0.91%		12.78%
Total Bill (including HST)			176.02			177.63	1.60	0.91%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-17.60		-0.10	-17.76	-0.16	0.91%		-11.11%
Total Bill on TOU (including OCEB)			158.42			159.86	1.44	0.91%		100.00%

2019 Bill Impacts (High Consumption Level)

Rate Class	R1
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.076
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2152
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	14.26%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	39.07%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	53.32%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		27.24%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.44%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		13.79%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	51.09%	52.47%
Service Charge	1	28.31	28.31	1	27.91	27.91	-0.40	-1.41%	7.71%	7.92%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.74	0.74	1	1.77	1.77	1.03	139.19%	0.49%	0.50%
Fixed Deferral/Variance Account Rider	1	0.27	0.27	1	0.26	0.26	-0.01	-3.70%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0315	63.00	2,000	0.0313	62.60	-0.40	-0.63%	17.30%	17.76%
Volumetric Smoothing Rider	2,000	0.0008	1.60	2,000	0.002	4.00	2.40	150.00%	1.11%	1.14%
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)			93.72			96.34	2.62	2.80%	26.62%	27.34%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.22%
Line Losses on Cost of Power (based on two-tier RPP prices)	152	0.10	15.35	152	0.10	15.35	0.00	0.00%	4.24%	4.36%
Line Losses on Cost of Power (based on TOU prices)	152	0.09	14.05	152	0.09	14.05	0.00	0.00%	3.88%	3.99%
Sub-Total: Distribution (based on two-tier RPP prices)			109.86			112.48	2.62	2.38%	31.08%	31.92%
Sub-Total: Distribution (based on TOU prices)			108.56			111.18	2.62	2.41%	30.72%	31.55%
Retail Transmission Rate – Network Service Rate	2,152	0.0066	14.20	2,152	0.0066	14.20	0.00	0.00%	3.92%	4.03%
Retail Transmission Rate – Line and Transformation Connection	2,152	0.0046	9.90	2,152	0.0046	9.90	0.00	0.00%	2.74%	2.81%
Sub-Total: Retail Transmission			24.10			24.10	0.00	0.00%	6.66%	6.84%
Sub-Total: Delivery (based on two-tier RPP prices)			133.96			136.58	2.62	1.96%	37.74%	38.76%
Sub-Total: Delivery (based on TOU prices)			132.67			135.29	2.62	1.97%	37.38%	38.39%
Wholesale Market Service Rate	2,152	0.0044	9.47	2,152	0.0044	9.47	0.00	0.00%	2.62%	2.69%
Rural Rate Protection Charge	2,152	0.0012	2.58	2,152	0.0012	2.58	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			12.30			12.30	0.00	0.00%	3.40%	3.49%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.87%	3.97%
Total Bill on Two-Tier RPP (before Taxes)			353.27			355.89	2.62	0.74%	98.33%	
HST		0.13	45.92		0.13	46.27	0.34	0.74%	12.78%	
Total Bill (including HST)			399.19			402.15	2.96	0.74%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-39.92		-0.10	-40.22	-0.30	0.74%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			359.27			361.94	2.66	0.74%	100.00%	
Total Bill on TOU (before Taxes)			343.89			346.51	2.62	0.76%		98.33%
HST		0.13	44.71		0.13	45.05	0.34	0.76%		12.78%
Total Bill (including HST)			388.59			391.55	2.96	0.76%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.86		-0.10	-39.16	-0.30	0.76%		-11.11%
Total Bill on TOU (including OCEB)			349.73			352.40	2.66	0.76%		100.00%

2019 Bill Impacts (Low Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	100
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	110.5
Charge determinant	kWh

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	Volume	Current 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	0.086	8.60	100	0.086	8.60	0.00	0.00%	11.35%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	11.35%	
TOU-Off Peak	64	0.075	4.80	64	0.075	4.80	0.00	0.00%		6.28%
TOU-Mid Peak	18	0.112	2.02	18	0.112	2.02	0.00	0.00%		2.64%
TOU-On Peak	18	0.135	2.43	18	0.135	2.43	0.00	0.00%		3.18%
Sub-Total: Energy (TOU)			9.25			9.25	0.00	0.00%	12.21%	12.09%
Service Charge	1	47.42	47.42	1	49.71	49.71	2.29	4.83%	65.63%	65.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	2.05	2.05	1	5.09	5.09	3.04	148.29%	6.72%	6.66%
Fixed Deferral/Variance Account Rider	1	0.59	0.59	1	0.59	0.59	0.00	0.00%	0.78%	0.77%
Distribution Volumetric Rate	100	0.054	5.40	100	0.0564	5.64	0.24	4.44%	7.45%	7.38%
Volumetric Smoothing Rider	100	0.0014	0.14	100	0.0036	0.36	0.22	157.14%	0.48%	0.47%
Volumetric Deferral/Variance Account Rider	100	0.0001	0.01	100	0.0001	0.01	0.00	0.00%	0.01%	0.01%
Sub-Total: Distribution (excluding pass through)			55.61			61.40	5.79	10.41%	81.06%	80.29%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.04%	1.03%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	0.90	11	0.09	0.90	0.00	0.00%	1.19%	1.18%
Line Losses on Cost of Power (based on TOU prices)	11	0.09	0.97	11	0.09	0.97	0.00	0.00%	1.28%	1.27%
Sub-Total: Distribution (based on two-tier RPP prices)			57.30			63.09	5.79	10.10%	83.30%	82.51%
Sub-Total: Distribution (based on TOU prices)			57.37			63.16	5.79	10.09%	83.39%	82.60%
Retail Transmission Rate – Network Service Rate	111	0.0065	0.72	111	0.0065	0.72	0.00	0.00%	0.95%	0.94%
Retail Transmission Rate – Line and Transformation Connection	111	0.0045	0.50	111	0.0045	0.50	0.00	0.00%	0.66%	0.65%
Sub-Total: Retail Transmission			1.22			1.22	0.00	0.00%	1.60%	1.59%
Sub-Total: Delivery (based on two-tier RPP prices)			58.52			64.31	5.79	9.89%	84.90%	84.10%
Sub-Total: Delivery (based on TOU prices)			58.59			64.38	5.79	9.88%	84.99%	84.19%
Wholesale Market Service Rate	111	0.0044	0.49	111	0.0044	0.49	0.00	0.00%	0.64%	0.64%
Rural Rate Protection Charge	111	0.0012	0.13	111	0.0012	0.13	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%	0.33%	0.33%
Sub-Total: Regulatory			0.87			0.87	0.00	0.00%	1.15%	1.14%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	0.92%	0.92%
Total Bill on Two-Tier RPP (before Taxes)			68.69			74.48	5.79	8.43%	98.33%	
HST		0.13	8.93		0.13	9.68	0.75	8.43%	12.78%	
Total Bill (including HST)			77.62			84.16	6.54	8.43%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.76		-0.10	-8.42	-0.65	8.43%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			69.85			75.74	5.89	8.43%	100.00%	
Total Bill on TOU (before Taxes)			69.40			75.19	5.79	8.34%		98.33%
HST		0.13	9.02		0.13	9.77	0.75	8.34%		12.78%
Total Bill (including HST)			78.42			84.97	6.54	8.34%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-7.84		-0.10	-8.50	-0.65	8.34%		-11.11%
Total Bill on TOU (including OCEB)			70.58			76.47	5.89	8.34%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	800
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	884
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	24.74%	
Energy Second Tier (kWh)	200	0.101	20.20	200	0.101	20.20	0.00	0.00%	9.69%	
Sub-Total: Energy (RPP)			71.80			71.80	0.00	0.00%	34.43%	
TOU-Off Peak	512	0.075	38.40	512	0.075	38.40	0.00	0.00%		18.28%
TOU-Mid Peak	144	0.112	16.13	144	0.112	16.13	0.00	0.00%		7.68%
TOU-On Peak	144	0.135	19.44	144	0.135	19.44	0.00	0.00%		9.26%
Sub-Total: Energy (TOU)			73.97			73.97	0.00	0.00%	35.47%	35.22%
Service Charge	1	47.42	47.42	1	49.71	49.71	2.29	4.83%	23.84%	23.67%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	2.05	2.05	1	5.09	5.09	3.04	148.29%	2.44%	2.42%
Fixed Deferral/Variance Account Rider	1	0.59	0.59	1	0.59	0.59	0.00	0.00%	0.28%	0.28%
Distribution Volumetric Rate	800	0.054	43.20	800	0.0564	45.12	1.92	4.44%	21.63%	21.48%
Volumetric Smoothing Rider	800	0.0014	1.12	800	0.0036	2.88	1.76	157.14%	1.38%	1.37%
Volumetric Deferral/Variance Account Rider	800	0.0001	0.08	800	0.0001	0.08	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			94.46			103.47	9.01	9.54%	49.61%	49.26%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.38%	0.38%
Line Losses on Cost of Power (based on two-tier RPP prices)	84	0.10	8.48	84	0.10	8.48	0.00	0.00%	4.07%	4.04%
Line Losses on Cost of Power (based on TOU prices)	84	0.09	7.77	84	0.09	7.77	0.00	0.00%	3.72%	3.70%
Sub-Total: Distribution (based on two-tier RPP prices)			103.73			112.74	9.01	8.69%	54.06%	53.68%
Sub-Total: Distribution (based on TOU prices)			103.02			112.03	9.01	8.75%	53.72%	53.34%
Retail Transmission Rate – Network Service Rate	884	0.0065	5.75	884	0.0065	5.75	0.00	0.00%	2.76%	2.74%
Retail Transmission Rate – Line and Transformation Connection S	884	0.0045	3.98	884	0.0045	3.98	0.00	0.00%	1.91%	1.89%
Sub-Total: Retail Transmission			9.72			9.72	0.00	0.00%	4.66%	4.63%
Sub-Total: Delivery (based on two-tier RPP prices)			113.46			122.47	9.01	7.94%	58.72%	58.31%
Sub-Total: Delivery (based on TOU prices)			112.74			121.75	9.01	7.99%	58.38%	57.97%
Wholesale Market Service Rate	884	0.0044	3.89	884	0.0044	3.89	0.00	0.00%	1.87%	1.85%
Rural Rate Protection Charge	884	0.0012	1.06	884	0.0012	1.06	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%	0.12%	0.12%
Sub-Total: Regulatory			5.20			5.20	0.00	0.00%	2.49%	2.48%
Debt Retirement Charge (DRC)	800	0.007	5.60	800	0.007	5.60	0.00	0.00%	2.69%	2.67%
Total Bill on Two-Tier RPP (before Taxes)			196.06			205.07	9.01	4.60%	98.33%	
HST		0.13	25.49		0.13	26.66	1.17	4.60%	12.78%	
Total Bill (including HST)			221.55			231.73	10.18	4.60%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.15		-0.10	-23.17	-1.02	4.60%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			199.39			208.55	9.16	4.60%	100.00%	
Total Bill on TOU (before Taxes)			197.51			206.52	9.01	4.56%		98.33%
HST		0.13	25.68		0.13	26.85	1.17	4.56%		12.78%
Total Bill (including HST)			223.19			233.37	10.18	4.56%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-22.32		-0.10	-23.34	-1.02	4.56%		-11.11%
Total Bill on TOU (including OCEB)			200.87			210.03	9.16	4.56%		100.00%

2019 Bill Impacts (High Consumption Level)

Rate Class	R2
Monthly Consumption (kWh)	2000
Peak (kW)	0
Loss factor	1.105
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	2210
Charge determinant	kWh

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	11.49%	
Energy Second Tier (kWh)	1,400	0.101	141.40	1,400	0.101	141.40	0.00	0.00%	31.49%	
Sub-Total: Energy (RPP)			193.00			193.00	0.00	0.00%	42.98%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		21.87%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		9.18%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		11.07%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	41.18%	42.12%
Service Charge	1	47.42	47.42	1	49.71	49.71	2.29	4.83%	11.07%	11.32%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	2.05	2.05	1	5.09	5.09	3.04	148.29%	1.13%	1.16%
Fixed Deferral/Variance Account Rider	1	0.59	0.59	1	0.59	0.59	0.00	0.00%	0.13%	0.13%
Distribution Volumetric Rate	2,000	0.054	108.00	2,000	0.0564	112.80	4.80	4.44%	25.12%	25.70%
Volumetric Smoothing Rider	2,000	0.0014	2.80	2,000	0.0036	7.20	4.40	157.14%	1.60%	1.64%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.04%	0.05%
Sub-Total: Distribution (excluding pass through)			161.06			175.59	14.53	9.02%	39.10%	40.00%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.18%
Line Losses on Cost of Power (based on two-tier RPP prices)	210	0.10	21.21	210	0.10	21.21	0.00	0.00%	4.72%	4.83%
Line Losses on Cost of Power (based on TOU prices)	210	0.09	19.42	210	0.09	19.42	0.00	0.00%	4.32%	4.42%
Sub-Total: Distribution (based on two-tier RPP prices)			183.06			197.59	14.53	7.94%	44.00%	45.01%
Sub-Total: Distribution (based on TOU prices)			181.27			195.80	14.53	8.02%	43.60%	44.60%
Retail Transmission Rate – Network Service Rate	2,210	0.0065	14.37	2,210	0.0065	14.37	0.00	0.00%	3.20%	3.27%
Retail Transmission Rate – Line and Transformation Connection	2,210	0.0045	9.95	2,210	0.0045	9.95	0.00	0.00%	2.21%	2.27%
Sub-Total: Retail Transmission			24.31			24.31	0.00	0.00%	5.41%	5.54%
Sub-Total: Delivery (based on two-tier RPP prices)			207.37			221.90	14.53	7.01%	49.42%	50.55%
Sub-Total: Delivery (based on TOU prices)			205.58			220.11	14.53	7.07%	49.02%	50.14%
Wholesale Market Service Rate	2,210	0.0044	9.72	2,210	0.0044	9.72	0.00	0.00%	2.17%	2.22%
Rural Rate Protection Charge	2,210	0.0012	2.65	2,210	0.0012	2.65	0.00	0.00%	0.59%	0.60%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.63			12.63	0.00	0.00%	2.81%	2.88%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.12%	3.19%
Total Bill on Two-Tier RPP (before Taxes)			427.00			441.53	14.53	3.40%	98.33%	
HST		0.13	55.51		0.13	57.40	1.89	3.40%	12.78%	
Total Bill (including HST)			482.51			498.92	16.42	3.40%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-48.25		-0.10	-49.89	-1.64	3.40%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			434.25			449.03	14.78	3.40%	100.00%	
Total Bill on TOU (before Taxes)			417.12			431.65	14.53	3.48%		98.33%
HST		0.13	54.23		0.13	56.11	1.89	3.48%		12.78%
Total Bill (including HST)			471.35			487.77	16.42	3.48%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-47.13		-0.10	-48.78	-1.64	3.48%		-11.11%
Total Bill on TOU (including OCEB)			424.21			438.99	14.78	3.48%		100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	4.30	50	0.086	4.30	0.00	0.00%	9.16%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	9.16%	
TOU-Off Peak	32	0.075	2.40	32	0.075	2.40	0.00	0.00%		5.07%
TOU-Mid Peak	9	0.112	1.01	9	0.112	1.01	0.00	0.00%		2.13%
TOU-On Peak	9	0.135	1.22	9	0.135	1.22	0.00	0.00%		2.57%
Sub-Total: Energy (TOU)			4.62			4.62	0.00	0.00%	9.84%	9.77%
Service Charge	1	30.29	30.29	1	31.14	31.14	0.85	2.81%	66.30%	65.79%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.8	0.80	1	1.98	1.98	1.18	147.50%	4.22%	4.18%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.60%	0.59%
Distribution Volumetric Rate	50	0.1047	5.24	50	0.1088	5.44	0.20	3.92%	11.58%	11.49%
Volumetric Smoothing Rider	50	0.0027	0.14	50	0.0069	0.35	0.21	155.56%	0.73%	0.73%
Volumetric Deferral/Variance Account Rider	50	0.0004	0.02	50	0.0004	0.02	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			36.76			39.21	2.44	6.65%	83.47%	82.84%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.68%	1.67%
Line Losses on Cost of Power (based on two-tier RPP prices)	5	0.09	0.45	5	0.09	0.45	0.00	0.00%	0.95%	0.94%
Line Losses on Cost of Power (based on TOU prices)	5	0.09	0.48	5	0.09	0.48	0.00	0.00%	1.02%	1.02%
Sub-Total: Distribution (based on two-tier RPP prices)			38.00			40.44	2.44	6.43%	86.11%	85.45%
Sub-Total: Distribution (based on TOU prices)			38.03			40.48	2.44	6.43%	86.18%	85.52%
Retail Transmission Rate – Network Service Rate	55	0.0053	0.29	55	0.0053	0.29	0.00	0.00%	0.62%	0.62%
Retail Transmission Rate – Line and Transformation Connection	55	0.0043	0.24	55	0.0043	0.24	0.00	0.00%	0.51%	0.50%
Sub-Total: Retail Transmission			0.53			0.53	0.00	0.00%	1.13%	1.12%
Sub-Total: Delivery (based on two-tier RPP prices)			38.53			40.97	2.44	6.35%	87.24%	86.57%
Sub-Total: Delivery (based on TOU prices)			38.56			41.01	2.44	6.34%	87.31%	86.64%
Wholesale Market Service Rate	55	0.0044	0.24	55	0.0044	0.24	0.00	0.00%	0.52%	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%	0.53%
Sub-Total: Regulatory			0.56			0.56	0.00	0.00%	1.19%	1.18%
Debt Retirement Charge (DRC)	50	0.007	0.35	50	0.007	0.35	0.00	0.00%	0.75%	0.74%
Total Bill on Two-Tier RPP (before Taxes)			43.74			46.18	2.44	5.59%	98.33%	
HST		0.13	5.69		0.13	6.00	0.32	5.59%	12.78%	
Total Bill (including HST)			49.42			52.18	2.76	5.59%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.94		-0.10	-5.22	-0.28	5.59%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			44.48			46.97	2.49	5.59%	100.00%	
Total Bill on TOU (before Taxes)			44.09			46.54	2.44	5.55%		98.33%
HST		0.13	5.73		0.13	6.05	0.32	5.55%		12.78%
Total Bill (including HST)			49.82			52.59	2.76	5.55%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-4.98		-0.10	-5.26	-0.28	5.55%		-11.11%
Total Bill on TOU (including OCEB)			44.84			47.33	2.49	5.55%		100.00%

2019 Bill Impacts (Typical Consumption Level)

Rate Class	Seasonal
Monthly Consumption (kWh)	400
Peak (kW)	0
Loss factor	1.104
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	441.6
Charge determinant	kWh

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	Volume	Current 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	0.086	34.40	400	0.086	34.40	0.00	0.00%	26.35%	
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			34.40			34.40	0.00	0.00%	26.35%	
TOU-Off Peak	256	0.075	19.20	256	0.075	19.20	0.00	0.00%		14.39%
TOU-Mid Peak	72	0.112	8.06	72	0.112	8.06	0.00	0.00%		6.04%
TOU-On Peak	72	0.135	9.72	72	0.135	9.72	0.00	0.00%		7.28%
Sub-Total: Energy (TOU)			36.98			36.98	0.00	0.00%	28.33%	27.71%
Service Charge	1	30.29	30.29	1	31.14	31.14	0.85	2.81%	23.85%	23.33%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.8	0.80	1	1.98	1.98	1.18	147.50%	1.52%	1.48%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.21%	0.21%
Distribution Volumetric Rate	400	0.1047	41.88	400	0.1088	43.52	1.64	3.92%	33.34%	32.61%
Volumetric Smoothing Rider	400	0.0027	1.08	400	0.0069	2.76	1.68	155.56%	2.11%	2.07%
Volumetric Deferral/Variance Account Rider	400	0.0004	0.16	400	0.0004	0.16	0.00	0.00%	0.12%	0.12%
Sub-Total: Distribution (excluding pass through)			74.49			79.84	5.35	7.18%	61.16%	59.83%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.61%	0.59%
Line Losses on Cost of Power (based on two-tier RPP prices)	42	0.09	3.58	42	0.09	3.58	0.00	0.00%	2.74%	2.68%
Line Losses on Cost of Power (based on TOU prices)	42	0.09	3.85	42	0.09	3.85	0.00	0.00%	2.95%	2.88%
Sub-Total: Distribution (based on two-tier RPP prices)			78.86			84.21	5.35	6.78%	64.50%	63.10%
Sub-Total: Distribution (based on TOU prices)			79.13			84.48	5.35	6.76%	64.71%	63.30%
Retail Transmission Rate – Network Service Rate	442	0.0053	2.34	442	0.0053	2.34	0.00	0.00%	1.79%	1.75%
Retail Transmission Rate – Line and Transformation Connection	442	0.0043	1.90	442	0.0043	1.90	0.00	0.00%	1.45%	1.42%
Sub-Total: Retail Transmission			4.24			4.24	0.00	0.00%	3.25%	3.18%
Sub-Total: Delivery (based on two-tier RPP prices)			83.10			88.45	5.35	6.44%	67.75%	66.28%
Sub-Total: Delivery (based on TOU prices)			83.37			88.72	5.35	6.42%	67.95%	66.48%
Wholesale Market Service Rate	442	0.0044	1.94	442	0.0044	1.94	0.00	0.00%	1.49%	1.46%
Rural Rate Protection Charge	442	0.0012	0.53	442	0.0012	0.53	0.00	0.00%	0.41%	0.40%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.19%	0.19%
Sub-Total: Regulatory			2.72			2.72	0.00	0.00%	2.09%	2.04%
Debt Retirement Charge (DRC)	400	0.007	2.80	400	0.007	2.80	0.00	0.00%	2.14%	2.10%
Total Bill on Two-Tier RPP (before Taxes)			123.02			128.37	5.35	4.35%	98.33%	
HST		0.13	15.99		0.13	16.69	0.70	4.35%	12.78%	
Total Bill (including HST)			139.01			145.06	6.05	4.35%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.90		-0.10	-14.51	-0.60	4.35%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			125.11			130.55	5.44	4.35%	100.00%	
Total Bill on TOU (before Taxes)			125.87			131.22	5.35	4.25%		98.33%
HST		0.13	16.36		0.13	17.06	0.70	4.25%		12.78%
Total Bill (including HST)			142.24			148.28	6.05	4.25%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-14.22		-0.10	-14.83	-0.60	4.25%		-11.11%
Total Bill on TOU (including OCEB)			128.01			133.45	5.44	4.25%		100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	51.60	600	0.086	51.60	0.00	0.00%	18.33%	
Energy Second Tier (kWh)	400	0.101	40.40	400	0.101	40.40	0.00	0.00%	14.35%	
Sub-Total: Energy (RPP)			92.00			92.00	0.00	0.00%	32.68%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		17.08%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		7.17%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		8.64%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	32.84%	32.89%
Service Charge	1	30.29	30.29	1	31.14	31.14	0.85	2.81%	11.06%	11.08%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.8	0.80	1	1.98	1.98	1.18	147.50%	0.70%	0.70%
Fixed Deferral/Variance Account Rider	1	0.28	0.28	1	0.28	0.28	0.00	0.00%	0.10%	0.10%
Distribution Volumetric Rate	1,000	0.1047	104.70	1,000	0.1088	108.80	4.10	3.92%	38.65%	38.71%
Volumetric Smoothing Rider	1,000	0.0027	2.70	1,000	0.0069	6.90	4.20	155.56%	2.45%	2.45%
Volumetric Deferral/Variance Account Rider	1,000	0.0004	0.40	1,000	0.0004	0.40	0.00	0.00%	0.14%	0.14%
Sub-Total: Distribution (excluding pass through)			139.17			149.50	10.33	7.42%	53.10%	53.18%
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	0.10	10.50	104	0.10	10.50	0.00	0.00%	3.73%	3.74%
Line Losses on Cost of Power (based on TOU prices)	104	0.09	9.62	104	0.09	9.62	0.00	0.00%	3.42%	3.42%
Sub-Total: Distribution (based on two-tier RPP prices)			150.46			160.79	10.33	6.87%	57.11%	57.20%
Sub-Total: Distribution (based on TOU prices)			149.58			159.91	10.33	6.91%	56.80%	56.89%
Retail Transmission Rate – Network Service Rate	1,104	0.0053	5.85	1,104	0.0053	5.85	0.00	0.00%	2.08%	2.08%
Retail Transmission Rate – Line and Transformation Connection S	1,104	0.0043	4.75	1,104	0.0043	4.75	0.00	0.00%	1.69%	1.69%
Sub-Total: Retail Transmission			10.60			10.60	0.00	0.00%	3.76%	3.77%
Sub-Total: Delivery (based on two-tier RPP prices)			161.06			171.39	10.33	6.41%	60.88%	60.97%
Sub-Total: Delivery (based on TOU prices)			160.17			170.50	10.33	6.45%	60.56%	60.66%
Wholesale Market Service Rate	1,104	0.0044	4.86	1,104	0.0044	4.86	0.00	0.00%	1.73%	1.73%
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%	2.29%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	2.49%	2.49%
Total Bill on Two-Tier RPP (before Taxes)			266.49			276.82	10.33	3.88%	98.33%	
HST		0.13	34.64		0.13	35.99	1.34	3.88%	12.78%	
Total Bill (including HST)			301.14			312.81	11.67	3.88%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-30.11		-0.10	-31.28	-1.17	3.88%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			271.03			281.53	10.51	3.88%	100.00%	
Total Bill on TOU (before Taxes)			266.07			276.40	10.33	3.88%		98.33%
HST		0.13	34.59		0.13	35.93	1.34	3.88%		12.78%
Total Bill (including HST)			300.66			312.33	11.67	3.88%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-30.07		-0.10	-31.23	-1.17	3.88%		-11.11%
Total Bill on TOU (including OCEB)			270.59			281.10	10.51	3.88%		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	0.086	64.50	750	0.086	64.50	0.00	0.00%	27.91%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	10.93%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	38.83%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		20.60%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		8.65%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		10.43%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	40.01%	39.68%
Service Charge	1	33.67	33.67	1	34.17	34.17	0.50	1.49%	14.78%	14.66%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.88	0.88	1	2.17	2.17	1.29	146.59%	0.94%	0.93%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.29	0.29	-0.01	-3.33%	0.13%	0.12%
Distribution Volumetric Rate	1,000	0.0607	60.70	1,000	0.0626	62.60	1.90	3.13%	27.09%	26.86%
Volumetric Smoothing Rider	1,000	0.0016	1.60	1,000	0.004	4.00	2.40	150.00%	1.73%	1.72%
Volumetric Deferral/Variance Account Rider	1,000	0.0001	0.10	1,000	0.0001	0.10	0.00	0.00%	0.04%	0.04%
Sub-Total: Distribution (excluding pass through)			97.25			103.33	6.08	6.25%	44.71%	44.34%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.34%	0.34%
Line Losses on Cost of Power (based on two-tier RPP prices)	96	0.10	9.70	96	0.10	9.70	0.00	0.00%	4.20%	4.16%
Line Losses on Cost of Power (based on TOU prices)	96	0.09	8.88	96	0.09	8.88	0.00	0.00%	3.84%	3.81%
Sub-Total: Distribution (based on two-tier RPP prices)			107.74			113.82	6.08	5.64%	49.25%	48.84%
Sub-Total: Distribution (based on TOU prices)			106.92			113.00	6.08	5.69%	48.89%	48.49%
Retail Transmission Rate – Network Service Rate	1,096	0.0058	6.36	1,096	0.0058	6.36	0.00	0.00%	2.75%	2.73%
Retail Transmission Rate – Line and Transformation Connection S	1,096	0.0036	3.95	1,096	0.0036	3.95	0.00	0.00%	1.71%	1.69%
Sub-Total: Retail Transmission			10.30			10.30	0.00	0.00%	4.46%	4.42%
Sub-Total: Delivery (based on two-tier RPP prices)			118.04			124.12	6.08	5.15%	53.70%	53.26%
Sub-Total: Delivery (based on TOU prices)			117.22			123.30	6.08	5.19%	53.35%	52.91%
Wholesale Market Service Rate	1,096	0.0044	4.82	1,096	0.0044	4.82	0.00	0.00%	2.09%	2.07%
Rural Rate Protection Charge	1,096	0.0012	1.32	1,096	0.0012	1.32	0.00	0.00%	0.57%	0.56%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.11%	0.11%
Sub-Total: Regulatory			6.39			6.39	0.00	0.00%	2.76%	2.74%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.03%	3.00%
Total Bill on Two-Tier RPP (before Taxes)			221.18			227.26	6.08	2.75%	98.33%	
HST		0.13	28.75		0.13	29.54	0.79	2.75%	12.78%	
Total Bill (including HST)			249.93			256.80	6.87	2.75%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-24.99		-0.10	-25.68	-0.69	2.75%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			224.94			231.12	6.18	2.75%	100.00%	
Total Bill on TOU (before Taxes)			223.07			229.15	6.08	2.73%		98.33%
HST		0.13	29.00		0.13	29.79	0.79	2.73%		12.78%
Total Bill (including HST)			252.06			258.94	6.87	2.73%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-25.21		-0.10	-25.89	-0.69	2.73%		-11.11%
Total Bill on TOU (including OCEB)			226.86			233.04	6.18	2.73%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	14.81%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	29.00%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	43.81%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		22.44%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		9.43%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		11.36%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	42.47%	43.23%
Service Charge	1	33.67	33.67	1	34.17	34.17	0.50	1.49%	7.85%	7.99%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.88	0.88	1	2.17	2.17	1.29	146.59%	0.50%	0.51%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.29	0.29	-0.01	-3.33%	0.07%	0.07%
Distribution Volumetric Rate	2,000	0.0607	121.40	2,000	0.0626	125.20	3.80	3.13%	28.76%	29.27%
Volumetric Smoothing Rider	2,000	0.0016	3.20	2,000	0.004	8.00	4.80	150.00%	1.84%	1.87%
Volumetric Deferral/Variance Account Rider	2,000	0.0001	0.20	2,000	0.0001	0.20	0.00	0.00%	0.05%	0.05%
Sub-Total: Distribution (excluding pass through)			159.65			170.03	10.38	6.50%	39.05%	39.75%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.18%	0.18%
Line Losses on Cost of Power (based on two-tier RPP prices)	192	0.10	19.39	192	0.10	19.39	0.00	0.00%	4.45%	4.53%
Line Losses on Cost of Power (based on TOU prices)	192	0.09	17.75	192	0.09	17.75	0.00	0.00%	4.08%	4.15%
Sub-Total: Distribution (based on two-tier RPP prices)			179.83			190.21	10.38	5.77%	43.69%	44.47%
Sub-Total: Distribution (based on TOU prices)			178.19			188.57	10.38	5.83%	43.31%	44.08%
Retail Transmission Rate – Network Service Rate	2,192	0.0058	12.71	2,192	0.0058	12.71	0.00	0.00%	2.92%	2.97%
Retail Transmission Rate – Line and Transformation Connection S	2,192	0.0036	7.89	2,192	0.0036	7.89	0.00	0.00%	1.81%	1.84%
Sub-Total: Retail Transmission			20.60			20.60	0.00	0.00%	4.73%	4.82%
Sub-Total: Delivery (based on two-tier RPP prices)			200.44			210.82	10.38	5.18%	48.42%	49.28%
Sub-Total: Delivery (based on TOU prices)			198.80			209.18	10.38	5.22%	48.05%	48.90%
Wholesale Market Service Rate	2,192	0.0044	9.64	2,192	0.0044	9.64	0.00	0.00%	2.22%	2.25%
Rural Rate Protection Charge	2,192	0.0012	2.63	2,192	0.0012	2.63	0.00	0.00%	0.60%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.06%	0.06%
Sub-Total: Regulatory			12.53			12.53	0.00	0.00%	2.88%	2.93%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.22%	3.27%
Total Bill on Two-Tier RPP (before Taxes)			417.71			428.09	10.38	2.48%	98.33%	
HST		0.13	54.30		0.13	55.65	1.35	2.48%	12.78%	
Total Bill (including HST)			472.01			483.74	11.73	2.48%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-47.20		-0.10	-48.37	-1.17	2.48%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			424.81			435.37	10.56	2.48%	100.00%	
Total Bill on TOU (before Taxes)			410.24			420.62	10.38	2.53%		98.33%
HST		0.13	53.33		0.13	54.68	1.35	2.53%		12.78%
Total Bill (including HST)			463.57			475.30	11.73	2.53%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-46.36		-0.10	-47.53	-1.17	2.53%		-11.11%
Total Bill on TOU (including OCEB)			417.22			427.77	10.56	2.53%		100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	1.92%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	42.80%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	44.72%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		22.37%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		9.39%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		11.32%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	41.24%	43.09%
Service Charge	1	33.67	33.67	1	34.17	34.17	0.50	1.49%	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	0.88	0.88	1	2.17	2.17	1.29	146.59%	0.06%	0.07%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.29	0.29	-0.01	-3.33%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0607	910.50	15,000	0.0626	939.00	28.50	3.13%	27.92%	29.17%
Volumetric Smoothing Rider	15,000	0.0016	24.00	15,000	0.004	60.00	36.00	150.00%	1.78%	1.86%
Volumetric Deferral/Variance Account Rider	15,000	0.0001	1.50	15,000	0.0001	1.50	0.00	0.00%	0.04%	0.05%
Sub-Total: Distribution (excluding pass through)			970.85			1,037.13	66.28	6.83%	30.84%	32.22%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.02%	0.02%
Line Losses on Cost of Power (based on two-tier RPP prices)	1,440	0.10	145.44	1,440	0.10	145.44	0.00	0.00%	4.32%	4.52%
Line Losses on Cost of Power (based on TOU prices)	1,440	0.09	133.14	1,440	0.09	133.14	0.00	0.00%	3.96%	4.14%
Sub-Total: Distribution (based on two-tier RPP prices)			1,117.08			1,183.36	66.28	5.93%	35.19%	36.76%
Sub-Total: Distribution (based on TOU prices)			1,104.78			1,171.06	66.28	6.00%	34.82%	36.38%
Retail Transmission Rate – Network Service Rate	16,440	0.0058	95.35	16,440	0.0058	95.35	0.00	0.00%	2.84%	2.96%
Retail Transmission Rate – Line and Transformation Connection S	16,440	0.0036	59.18	16,440	0.0036	59.18	0.00	0.00%	1.76%	1.84%
Sub-Total: Retail Transmission			154.54			154.54	0.00	0.00%	4.60%	4.80%
Sub-Total: Delivery (based on two-tier RPP prices)			1,271.62			1,337.90	66.28	5.21%	39.78%	41.56%
Sub-Total: Delivery (based on TOU prices)			1,259.32			1,325.60	66.28	5.26%	39.42%	41.18%
Wholesale Market Service Rate	16,440	0.0044	72.34	16,440	0.0044	72.34	0.00	0.00%	2.15%	2.25%
Rural Rate Protection Charge	16,440	0.0012	19.73	16,440	0.0012	19.73	0.00	0.00%	0.59%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%	0.01%
Sub-Total: Regulatory			92.31			92.31	0.00	0.00%	2.75%	2.87%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.12%	3.26%
Total Bill on Two-Tier RPP (before Taxes)			2,972.68			3,038.96	66.28	2.23%	90.37%	
HST		0.13	386.45		0.13	395.06	8.62	2.23%	11.75%	
Total Bill (including HST)			3,359.13			3,434.02	74.90	2.23%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-69.41		-0.10	-71.07	-1.66	2.39%	-2.11%	
Total Bill on Two-Tier RPP (including OCEB)			3,289.72			3,362.96	73.24	2.23%	100.00%	
Total Bill on TOU (before Taxes)			2,843.53			2,909.81	66.28	2.33%		90.40%
HST		0.13	369.66		0.13	378.28	8.62	2.33%		11.75%
Total Bill (including HST)			3,213.19			3,288.09	74.90	2.33%		102.15%
Ontario Clean Energy Benefit (OCEB)		-0.10	-67.51		-0.10	-69.17	-1.66	2.46%		-2.15%
Total Bill on TOU (including OCEB)			3,145.68			3,218.92	73.24	2.33%		100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	34.56%	
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.53%	
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	48.09%	
TOU-Off Peak	640	0.075	48.00	640	0.075	48.00	0.00	0.00%		25.42%
TOU-Mid Peak	180	0.112	20.16	180	0.112	20.16	0.00	0.00%		10.68%
TOU-On Peak	180	0.135	24.30	180	0.135	24.30	0.00	0.00%		12.87%
Sub-Total: Energy (TOU)			92.46			92.46	0.00	0.00%	49.54%	48.97%
Service Charge	1	27.48	27.48	1	28.54	28.54	1.06	3.86%	15.29%	15.12%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.72	0.72	1	1.81	1.81	1.09	151.39%	0.97%	0.96%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.26	0.26	0.01	4.00%	0.14%	0.14%
Distribution Volumetric Rate	1,000	0.0284	28.40	1,000	0.0299	29.90	1.50	5.28%	16.02%	15.84%
Volumetric Smoothing Rider	1,000	0.0007	0.70	1,000	0.0019	1.90	1.20	171.43%	1.02%	1.01%
Volumetric Deferral/Variance Account Rider	1,000	-0.0001	-0.10	1,000	-0.0001	-0.10	0.00	0.00%	-0.05%	-0.05%
Sub-Total: Distribution (excluding pass through)			57.45			62.31	4.86	8.46%	33.39%	33.00%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.42%	0.42%
Line Losses on Cost of Power (based on two-tier RPP prices)	67	0.10	6.77	67	0.10	6.77	0.00	0.00%	3.63%	3.58%
Line Losses on Cost of Power (based on TOU prices)	67	0.09	6.19	67	0.09	6.19	0.00	0.00%	3.32%	3.28%
Sub-Total: Distribution (based on two-tier RPP prices)			65.01			69.87	4.86	7.48%	37.44%	37.00%
Sub-Total: Distribution (based on TOU prices)			64.43			69.29	4.86	7.54%	37.13%	36.70%
Retail Transmission Rate – Network Service Rate	1,067	0.0062	6.62	1,067	0.0062	6.62	0.00	0.00%	3.54%	3.50%
Retail Transmission Rate – Line and Transformation Connection	1,067	0.0038	4.05	1,067	0.0038	4.05	0.00	0.00%	2.17%	2.15%
Sub-Total: Retail Transmission			10.67			10.67	0.00	0.00%	5.72%	5.65%
Sub-Total: Delivery (based on two-tier RPP prices)			75.68			80.54	4.86	6.42%	43.15%	42.66%
Sub-Total: Delivery (based on TOU prices)			75.10			79.96	4.86	6.47%	42.85%	42.35%
Wholesale Market Service Rate	1,067	0.0044	4.69	1,067	0.0044	4.69	0.00	0.00%	2.52%	2.49%
Rural Rate Protection Charge	1,067	0.0012	1.28	1,067	0.0012	1.28	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%	0.13%	0.13%
Sub-Total: Regulatory			6.23			6.23	0.00	0.00%	3.34%	3.30%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.75%	3.71%
Total Bill on Two-Tier RPP (before Taxes)			178.65			183.51	4.86	2.72%	98.33%	
HST		0.13	23.22		0.13	23.86	0.63	2.72%	12.78%	
Total Bill (including HST)			201.88			207.37	5.49	2.72%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.19		-0.10	-20.74	-0.55	2.72%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			181.69			186.63	4.94	2.72%	100.00%	
Total Bill on TOU (before Taxes)			180.79			185.65	4.86	2.69%		98.33%
HST		0.13	23.50		0.13	24.13	0.63	2.69%		12.78%
Total Bill (including HST)			204.29			209.78	5.49	2.69%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-20.43		-0.10	-20.98	-0.55	2.69%		-11.11%
Total Bill on TOU (including OCEB)			183.86			188.81	4.94	2.69%		100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	18.30%	
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	35.81%	
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	54.11%	
TOU-Off Peak	1,280	0.075	96.00	1,280	0.075	96.00	0.00	0.00%		27.79%
TOU-Mid Peak	360	0.112	40.32	360	0.112	40.32	0.00	0.00%		11.67%
TOU-On Peak	360	0.135	48.60	360	0.135	48.60	0.00	0.00%		14.07%
Sub-Total: Energy (TOU)			184.92			184.92	0.00	0.00%	52.46%	53.53%
Service Charge	1	27.48	27.48	1	28.54	28.54	1.06	3.86%	8.10%	8.26%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%	0.00%
Fixed Smoothing Rider	1	0.72	0.72	1	1.81	1.81	1.09	151.39%	0.51%	0.52%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.26	0.26	0.01	4.00%	0.07%	0.08%
Distribution Volumetric Rate	2,000	0.0284	56.80	2,000	0.0299	59.80	3.00	5.28%	16.96%	17.31%
Volumetric Smoothing Rider	2,000	0.0007	1.40	2,000	0.0019	3.80	2.40	171.43%	1.08%	1.10%
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)			86.45			94.01	7.56	8.74%	26.67%	27.22%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	0.22%	0.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	134	0.10	13.53	134	0.10	13.53	0.00	0.00%	3.84%	3.92%
Line Losses on Cost of Power (based on TOU prices)	134	0.09	12.39	134	0.09	12.39	0.00	0.00%	3.51%	3.59%
Sub-Total: Distribution (based on two-tier RPP prices)			100.77			108.33	7.56	7.50%	30.73%	31.36%
Sub-Total: Distribution (based on TOU prices)			99.63			107.19	7.56	7.59%	30.41%	31.03%
Retail Transmission Rate – Network Service Rate	2,134	0.0062	13.23	2,134	0.0062	13.23	0.00	0.00%	3.75%	3.83%
Retail Transmission Rate – Line and Transformation Connection S	2,134	0.0038	8.11	2,134	0.0038	8.11	0.00	0.00%	2.30%	2.35%
Sub-Total: Retail Transmission			21.34			21.34	0.00	0.00%	6.05%	6.18%
Sub-Total: Delivery (based on two-tier RPP prices)			122.11			129.67	7.56	6.19%	36.79%	37.54%
Sub-Total: Delivery (based on TOU prices)			120.97			128.53	7.56	6.25%	36.46%	37.21%
Wholesale Market Service Rate	2,134	0.0044	9.39	2,134	0.0044	9.39	0.00	0.00%	2.66%	2.72%
Rural Rate Protection Charge	2,134	0.0012	2.56	2,134	0.0012	2.56	0.00	0.00%	0.73%	0.74%
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			12.20			12.20	0.00	0.00%	3.46%	3.53%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	3.97%	4.05%
Total Bill on Two-Tier RPP (before Taxes)			339.06			346.62	7.56	2.23%	98.33%	
HST		0.13	44.08		0.13	45.06	0.98	2.23%	12.78%	
Total Bill (including HST)			383.14			391.69	8.54	2.23%	111.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-38.31		-0.10	-39.17	-0.85	2.23%	-11.11%	
Total Bill on Two-Tier RPP (including OCEB)			344.83			352.52	7.69	2.23%	100.00%	
Total Bill on TOU (before Taxes)			332.09			339.65	7.56	2.28%		98.33%
HST		0.13	43.17		0.13	44.15	0.98	2.28%		12.78%
Total Bill (including HST)			375.26			383.80	8.54	2.28%		111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-37.53		-0.10	-38.38	-0.85	2.28%		-11.11%
Total Bill on TOU (including OCEB)			337.74			345.42	7.69	2.28%		100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current 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	0.086	64.50	750	0.086	64.50	0.00	0.00%	2.36%	
Energy Second Tier (kWh)	14,250	0.101	1,439.25	14,250	0.101	1,439.25	0.00	0.00%	52.72%	
Sub-Total: Energy (RPP)			1,503.75			1,503.75	0.00	0.00%	55.08%	
TOU-Off Peak	9,600	0.075	720.00	9,600	0.075	720.00	0.00	0.00%		27.80%
TOU-Mid Peak	2,700	0.112	302.40	2,700	0.112	302.40	0.00	0.00%		11.67%
TOU-On Peak	2,700	0.135	364.50	2,700	0.135	364.50	0.00	0.00%		14.07%
Sub-Total: Energy (TOU)			1,386.90			1,386.90	0.00	0.00%	50.80%	53.54%
Service Charge	1	27.48	27.48	1	28.54	28.54	1.06	3.86%	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	0.72	0.72	1	1.81	1.81	1.09	151.39%	0.07%	0.07%
Fixed Deferral/Variance Account Rider	1	0.25	0.25	1	0.26	0.26	0.01	4.00%	0.01%	0.01%
Distribution Volumetric Rate	15,000	0.0284	426.00	15,000	0.0299	448.50	22.50	5.28%	16.43%	17.31%
Volumetric Smoothing Rider	15,000	0.0007	10.50	15,000	0.0019	28.50	18.00	171.43%	1.04%	1.10%
Volumetric Deferral/Variance Account Rider	15,000	-0.0001	-1.50	15,000	-0.0001	-1.50	0.00	0.00%	-0.05%	-0.06%
Sub-Total: Distribution (excluding pass through)			463.45			506.11	42.66	9.20%	18.54%	19.54%
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	0.10	101.51	1,005	0.10	101.51	0.00	0.00%	3.72%	3.92%
Line Losses on Cost of Power (based on TOU prices)	1,005	0.09	92.92	1,005	0.09	92.92	0.00	0.00%	3.40%	3.59%
Sub-Total: Distribution (based on two-tier RPP prices)			565.75			608.41	42.66	7.54%	22.28%	23.49%
Sub-Total: Distribution (based on TOU prices)			557.16			599.82	42.66	7.66%	21.97%	23.16%
Retail Transmission Rate – Network Service Rate	16,005	0.0062	99.23	16,005	0.0062	99.23	0.00	0.00%	3.63%	3.83%
Retail Transmission Rate – Line and Transformation Connection	16,005	0.0038	60.82	16,005	0.0038	60.82	0.00	0.00%	2.23%	2.35%
Sub-Total: Retail Transmission			160.05			160.05	0.00	0.00%	5.86%	6.18%
Sub-Total: Delivery (based on two-tier RPP prices)			725.80			768.46	42.66	5.88%	28.15%	29.67%
Sub-Total: Delivery (based on TOU prices)			717.21			759.87	42.66	5.95%	27.83%	29.34%
Wholesale Market Service Rate	16,005	0.0044	70.42	16,005	0.0044	70.42	0.00	0.00%	2.58%	2.72%
Rural Rate Protection Charge	16,005	0.0012	19.21	16,005	0.0012	19.21	0.00	0.00%	0.70%	0.74%
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%	3.29%	3.47%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.85%	4.05%
Total Bill on Two-Tier RPP (before Taxes)			2,424.42			2,467.08	42.66	1.76%	90.36%	
HST		0.13	315.17		0.13	320.72	5.55	1.76%	11.75%	
Total Bill (including HST)			2,739.60			2,787.80	48.21	1.76%	102.11%	
Ontario Clean Energy Benefit (OCEB)		-0.10	-56.44		-0.10	-57.60	-1.16	2.05%	-2.11%	
Total Bill on Two-Tier RPP (including OCEB)			2,683.16			2,730.20	47.05	1.75%	100.00%	
Total Bill on TOU (before Taxes)			2,298.99			2,341.65	42.66	1.86%		90.40%
HST		0.13	298.87		0.13	304.41	5.55	1.86%		11.75%
Total Bill (including HST)			2,597.86			2,646.06	48.21	1.86%		102.15%
Ontario Clean Energy Benefit (OCEB)		-0.10	-54.62		-0.10	-55.78	-1.16	2.12%		-2.15%
Total Bill on TOU (including OCEB)			2,543.24			2,590.28	47.05	1.85%		100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	29.22%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	29.22%
Service Charge	1	4.72	4.72	1	4.9	4.90	0.18	3.81%	16.65%
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	0.31	0.31	0.19	158.33%	1.05%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.17%
Distribution Volumetric Rate	100	0.1079	10.79	100	0.1119	11.19	0.40	3.71%	38.02%
Volumetric Smoothing Rider	100	0.0028	0.28	100	0.0071	0.71	0.43	153.57%	2.41%
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)			16.01			17.21	1.20	7.50%	58.48%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	2.69%
Sub-Total: Distribution			16.80			18.00	1.20	7.14%	61.17%
Retail Transmission Rate – Network Service Rate	109	0.0039	0.43	109	0.0039	0.43	0.00	0.00%	1.45%
Retail Transmission Rate – Line and Transformation Connection S	109	0.0032	0.35	109	0.0032	0.35	0.00	0.00%	1.19%
Sub-Total: Retail Transmission			0.78			0.78	0.00	0.00%	2.63%
Sub-Total: Delivery			17.58			18.78	1.20	6.83%	63.80%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	1.63%
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%	0.85%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	2.93%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	2.38%
Total Bill on Two-Tier RPP (before Taxes)			27.74			28.94	1.20	4.33%	98.33%
HST		0.13	3.61		0.13	3.76	0.16	4.33%	12.78%
Total Bill (including HST)			31.34			32.70	1.36	4.33%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-3.13		-0.10	-3.27	-0.14	4.33%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			28.21			29.43	1.22	4.33%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	34.47%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	34.47%
Service Charge	1	4.72	4.72	1	4.9	4.90	0.18	3.81%	3.93%
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	0.31	0.31	0.19	158.33%	0.25%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.04%
Distribution Volumetric Rate	500	0.1079	53.95	500	0.1119	55.95	2.00	3.71%	44.86%
Volumetric Smoothing Rider	500	0.0028	1.40	500	0.0071	3.55	2.15	153.57%	2.85%
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)			60.49			65.01	4.52	7.47%	52.12%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.17%
Sub-Total: Distribution			64.45			68.97	4.52	7.01%	55.29%
Retail Transmission Rate – Network Service Rate	546	0.0039	2.13	546	0.0039	2.13	0.00	0.00%	1.71%
Retail Transmission Rate – Line and Transformation Connection S	546	0.0032	1.75	546	0.0032	1.75	0.00	0.00%	1.40%
Sub-Total: Retail Transmission			3.88			3.88	0.00	0.00%	3.11%
Sub-Total: Delivery			68.32			72.84	4.52	6.62%	58.40%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	1.93%
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%	2.65%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	2.81%
Total Bill on Two-Tier RPP (before Taxes)			118.13			122.65	4.52	3.83%	98.33%
HST		0.13	15.36		0.13	15.94	0.59	3.83%	12.78%
Total Bill (including HST)			133.49			138.59	5.11	3.83%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-13.35		-0.10	-13.86	-0.51	3.83%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			120.14			124.74	4.60	3.83%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	12.80%
Energy Second Tier (kWh)	1,250	0.101	126.25	1,250	0.101	126.25	0.00	0.00%	25.05%
Sub-Total: Energy (RPP)			190.75			190.75	0.00	0.00%	37.85%
Service Charge	1	4.72	4.72	1	4.9	4.90	0.18	3.81%	0.97%
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	0.31	0.31	0.19	158.33%	0.06%
Fixed Deferral/Variance Account Rider	1	0.05	0.05	1	0.05	0.05	0.00	0.00%	0.01%
Distribution Volumetric Rate	2,000	0.1079	215.80	2,000	0.1119	223.80	8.00	3.71%	44.40%
Volumetric Smoothing Rider	2,000	0.0028	5.60	2,000	0.0071	14.20	8.60	153.57%	2.82%
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)			227.29			244.26	16.97	7.47%	48.46%
Line Losses on Cost of Power	184	0.10	18.58	184	0.10	18.58	0.00	0.00%	3.69%
Sub-Total: Distribution			245.87			262.84	16.97	6.90%	52.15%
Retail Transmission Rate – Network Service Rate	2,184	0.0039	8.52	2,184	0.0039	8.52	0.00	0.00%	1.69%
Retail Transmission Rate – Line and Transformation Connection S	2,184	0.0032	6.99	2,184	0.0032	6.99	0.00	0.00%	1.39%
Sub-Total: Retail Transmission			15.51			15.51	0.00	0.00%	3.08%
Sub-Total: Delivery			261.38			278.35	16.97	6.49%	55.23%
Wholesale Market Service Rate	2,184	0.0044	9.61	2,184	0.0044	9.61	0.00	0.00%	1.91%
Rural Rate Protection Charge	2,184	0.0012	2.62	2,184	0.0012	2.62	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			12.48			12.48	0.00	0.00%	2.48%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	2.78%
Total Bill on Two-Tier RPP (before Taxes)			478.61			495.58	16.97	3.55%	98.33%
HST		0.13	62.22		0.13	64.43	2.21	3.55%	12.78%
Total Bill (including HST)			540.83			560.01	19.18	3.55%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-54.08		-0.10	-56.00	-1.92	3.55%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			486.75			504.01	17.26	3.55%	100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	20	0.086	1.72	20	0.086	1.72	0.00	0.00%	17.86%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1.72			1.72	0.00	0.00%	17.86%
Service Charge	1	3.25	3.25	1	3.39	3.39	0.14	4.31%	35.19%
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	0.22	0.22	0.13	144.44%	2.28%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.31%
Distribution Volumetric Rate	20	0.1494	2.99	20	0.1538	3.08	0.09	2.95%	31.93%
Volumetric Smoothing Rider	20	0.0039	0.08	20	0.0098	0.20	0.12	151.28%	2.03%
Volumetric Deferral/Variance Account Rider	20	0.0007	0.01	20	0.0007	0.01	0.00	0.00%	0.15%
Sub-Total: Distribution (excluding pass through)			6.45			6.93	0.48	7.38%	71.90%
Line Losses on Cost of Power	2	0.09	0.16	2	0.09	0.16	0.00	0.00%	1.64%
Sub-Total: Distribution			6.61			7.08	0.48	7.20%	73.54%
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 S	22	0.0032	0.07	22	0.0032	0.07	0.00	0.00%	0.73%
Sub-Total: Retail Transmission			0.16			0.16	0.00	0.00%	1.61%
Sub-Total: Delivery			6.76			7.24	0.48	7.04%	75.15%
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%	2.60%
Sub-Total: Regulatory			0.37			0.37	0.00	0.00%	3.87%
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)			9.00			9.47	0.48	5.29%	98.33%
HST		0.13	1.17		0.13	1.23	0.06	5.29%	12.78%
Total Bill (including HST)			10.17			10.70	0.54	5.29%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.02		-0.10	-1.07	-0.05	5.29%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			9.15			9.63	0.48	5.29%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	50	0.086	4.30	50	0.086	4.30	0.00	0.00%	23.69%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			4.30			4.30	0.00	0.00%	23.69%
Service Charge	1	3.25	3.25	1	3.39	3.39	0.14	4.31%	18.68%
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	0.22	0.22	0.13	144.44%	1.21%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.17%
Distribution Volumetric Rate	50	0.1494	7.47	50	0.1538	7.69	0.22	2.95%	42.38%
Volumetric Smoothing Rider	50	0.0039	0.20	50	0.0098	0.49	0.30	151.28%	2.70%
Volumetric Deferral/Variance Account Rider	50	0.0007	0.04	50	0.0007	0.04	0.00	0.00%	0.19%
Sub-Total: Distribution (excluding pass through)			11.07			11.86	0.79	7.09%	65.33%
Line Losses on Cost of Power	5	0.09	0.40	5	0.09	0.40	0.00	0.00%	2.18%
Sub-Total: Distribution			11.47			12.25	0.79	6.85%	67.51%
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 S	55	0.0032	0.17	55	0.0032	0.17	0.00	0.00%	0.96%
Sub-Total: Retail Transmission			0.39			0.39	0.00	0.00%	2.14%
Sub-Total: Delivery			11.85			12.64	0.79	6.62%	69.64%
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)			17.06			17.84	0.79	4.60%	98.33%
HST		0.13	2.22		0.13	2.32	0.10	4.60%	12.78%
Total Bill (including HST)			19.28			20.16	0.89	4.60%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-1.93		-0.10	-2.02	-0.09	4.60%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			17.35			18.15	0.80	4.60%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	200	0.086	17.20	200	0.086	17.20	0.00	0.00%	28.33%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17.20			17.20	0.00	0.00%	28.33%
Service Charge	1	3.25	3.25	1	3.39	3.39	0.14	4.31%	5.58%
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	0.22	0.22	0.13	144.44%	0.36%
Fixed Deferral/Variance Account Rider	1	0.03	0.03	1	0.03	0.03	0.00	0.00%	0.05%
Distribution Volumetric Rate	200	0.1494	29.88	200	0.1538	30.76	0.88	2.95%	50.66%
Volumetric Smoothing Rider	200	0.0039	0.78	200	0.0098	1.96	1.18	151.28%	3.23%
Volumetric Deferral/Variance Account Rider	200	0.0007	0.14	200	0.0007	0.14	0.00	0.00%	0.23%
Sub-Total: Distribution (excluding pass through)			34.17			36.50	2.33	6.82%	60.11%
Line Losses on Cost of Power	18	0.09	1.58	18	0.09	1.58	0.00	0.00%	2.61%
Sub-Total: Distribution			35.75			38.08	2.33	6.52%	62.72%
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 S	218	0.0032	0.70	218	0.0032	0.70	0.00	0.00%	1.15%
Sub-Total: Retail Transmission			1.55			1.55	0.00	0.00%	2.55%
Sub-Total: Delivery			37.30			39.63	2.33	6.25%	65.27%
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%	2.43%
Debt Retirement Charge (DRC)	200	0.007	1.40	200	0.007	1.40	0.00	0.00%	2.31%
Total Bill on Two-Tier RPP (before Taxes)			57.38			59.71	2.33	4.06%	98.33%
HST		0.13	7.46		0.13	7.76	0.30	4.06%	12.78%
Total Bill (including HST)			64.83			67.47	2.63	4.06%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.48		-0.10	-6.75	-0.26	4.06%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			58.35			60.72	2.37	4.06%	100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	100	0.086	8.60	100	0.086	8.60	0.00	0.00%	15.38%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			8.60			8.60	0.00	0.00%	15.38%
Service Charge	1	38.11	38.11	1	37.56	37.56	-0.55	-1.44%	67.16%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	1	1.00	1	2.38	2.38	1.38	138.00%	4.26%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.28	0.28	-0.02	-6.67%	0.50%
Distribution Volumetric Rate	100	0.0286	2.86	100	0.0282	2.82	-0.04	-1.40%	5.04%
Volumetric Smoothing Rider	100	0.0008	0.08	100	0.0018	0.18	0.10	125.00%	0.32%
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)			42.34			43.21	0.87	2.05%	77.26%
Line Losses on Cost of Power	9	0.09	0.79	9	0.09	0.79	0.00	0.00%	1.41%
Sub-Total: Distribution			43.13			44.00	0.87	2.02%	78.68%
Retail Transmission Rate – Network Service Rate	109	0.0046	0.50	109	0.0046	0.50	0.00	0.00%	0.90%
Retail Transmission Rate – Line and Transformation Connection S	109	0.003	0.33	109	0.003	0.33	0.00	0.00%	0.59%
Sub-Total: Retail Transmission			0.83			0.83	0.00	0.00%	1.48%
Sub-Total: Delivery			43.96			44.83	0.87	1.98%	80.16%
Wholesale Market Service Rate	109	0.0044	0.48	109	0.0044	0.48	0.00	0.00%	0.86%
Rural Rate Protection Charge	109	0.0012	0.13	109	0.0012	0.13	0.00	0.00%	0.23%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.45%
Sub-Total: Regulatory			0.86			0.86	0.00	0.00%	1.54%
Debt Retirement Charge (DRC)	100	0.007	0.70	100	0.007	0.70	0.00	0.00%	1.25%
Total Bill on Two-Tier RPP (before Taxes)			54.12			54.99	0.87	1.61%	98.33%
HST		0.13	7.04		0.13	7.15	0.11	1.61%	12.78%
Total Bill (including HST)			61.16			62.14	0.98	1.61%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-6.12		-0.10	-6.21	-0.10	1.61%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			55.04			55.93	0.88	1.61%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	500	0.086	43.00	500	0.086	43.00	0.00	0.00%	37.39%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			43.00			43.00	0.00	0.00%	37.39%
Service Charge	1	38.11	38.11	1	37.56	37.56	-0.55	-1.44%	32.66%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	1	1.00	1	2.38	2.38	1.38	138.00%	2.07%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.28	0.28	-0.02	-6.67%	0.24%
Distribution Volumetric Rate	500	0.0286	14.30	500	0.0282	14.10	-0.20	-1.40%	12.26%
Volumetric Smoothing Rider	500	0.0008	0.40	500	0.0018	0.90	0.50	125.00%	0.78%
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)			54.06			55.17	1.11	2.05%	47.97%
Line Losses on Cost of Power	46	0.09	3.96	46	0.09	3.96	0.00	0.00%	3.44%
Sub-Total: Distribution			58.02			59.13	1.11	1.91%	51.41%
Retail Transmission Rate – Network Service Rate	546	0.0046	2.51	546	0.0046	2.51	0.00	0.00%	2.18%
Retail Transmission Rate – Line and Transformation Connection S	546	0.003	1.64	546	0.003	1.64	0.00	0.00%	1.42%
Sub-Total: Retail Transmission			4.15			4.15	0.00	0.00%	3.61%
Sub-Total: Delivery			62.17			63.28	1.11	1.79%	55.02%
Wholesale Market Service Rate	546	0.0044	2.40	546	0.0044	2.40	0.00	0.00%	2.09%
Rural Rate Protection Charge	546	0.0012	0.66	546	0.0012	0.66	0.00	0.00%	0.57%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.22%
Sub-Total: Regulatory			3.31			3.31	0.00	0.00%	2.88%
Debt Retirement Charge (DRC)	500	0.007	3.50	500	0.007	3.50	0.00	0.00%	3.04%
Total Bill on Two-Tier RPP (before Taxes)			111.97			113.08	1.11	0.99%	98.33%
HST		0.13	14.56		0.13	14.70	0.14	0.99%	12.78%
Total Bill (including HST)			126.53			127.78	1.25	0.99%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-12.65		-0.10	-12.78	-0.13	0.99%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			113.88			115.01	1.13	0.99%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP
Energy First Tier (kWh)	750	0.086	64.50	750	0.086	64.50	0.00	0.00%	33.24%
Energy Second Tier (kWh)	250	0.101	25.25	250	0.101	25.25	0.00	0.00%	13.01%
Sub-Total: Energy (RPP)			89.75			89.75	0.00	0.00%	46.25%
Service Charge	1	38.11	38.11	1	37.56	37.56	-0.55	-1.44%	19.35%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	1	1.00	1	2.38	2.38	1.38	138.00%	1.23%
Fixed Deferral/Variance Account Rider	1	0.3	0.30	1	0.28	0.28	-0.02	-6.67%	0.14%
Distribution Volumetric Rate	1,000	0.0286	28.60	1,000	0.0282	28.20	-0.40	-1.40%	14.53%
Volumetric Smoothing Rider	1,000	0.0008	0.80	1,000	0.0018	1.80	1.00	125.00%	0.93%
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)			68.71			70.12	1.41	2.05%	36.13%
Line Losses on Cost of Power	92	0.10	9.29	92	0.10	9.29	0.00	0.00%	4.79%
Sub-Total: Distribution			78.00			79.41	1.41	1.81%	40.92%
Retail Transmission Rate – Network Service Rate	1,092	0.0046	5.02	1,092	0.0046	5.02	0.00	0.00%	2.59%
Retail Transmission Rate – Line and Transformation Connection S	1,092	0.003	3.28	1,092	0.003	3.28	0.00	0.00%	1.69%
Sub-Total: Retail Transmission			8.30			8.30	0.00	0.00%	4.28%
Sub-Total: Delivery			86.30			87.71	1.41	1.63%	45.20%
Wholesale Market Service Rate	1,092	0.0044	4.80	1,092	0.0044	4.80	0.00	0.00%	2.48%
Rural Rate Protection Charge	1,092	0.0012	1.31	1,092	0.0012	1.31	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%	0.13%
Sub-Total: Regulatory			6.37			6.37	0.00	0.00%	3.28%
Debt Retirement Charge (DRC)	1,000	0.007	7.00	1,000	0.007	7.00	0.00	0.00%	3.61%
Total Bill on Two-Tier RPP (before Taxes)			189.42			190.83	1.41	0.74%	98.33%
HST		0.13	24.62		0.13	24.81	0.18	0.74%	12.78%
Total Bill (including HST)			214.04			215.63	1.59	0.74%	111.11%
Ontario Clean Energy Benefit (OCEB)		-0.10	-21.40		-0.10	-21.56	-0.16	0.74%	-11.11%
Total Bill on Two-Tier RPP (including OCEB)			192.64			194.07	1.43	0.74%	100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	15,915	0.086	1,368.69	15,915	0.086	1,368.69	0.00	0.00%	39.81%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,368.69			1,368.69	0.00	0.00%	39.81%
Service Charge	1	103.54	103.54	1	108.41	108.41	4.87	4.70%	3.15%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.72	2.72	1	6.88	6.88	4.16	152.94%	0.20%
Fixed Deferral/Variance Account Rider	1	0.69	0.69	1	0.71	0.71	0.02	2.90%	0.02%
Distribution Volumetric Rate	60	17.6167	1,057.00	60	18.8109	1,128.65	71.65	6.78%	32.83%
Volumetric Smoothing Rider	60	0.4624	27.74	60	1.1934	71.60	43.86	158.09%	2.08%
Volumetric Deferral/Variance Account Rider	60	0.0258	1.55	60	0.030	1.78	0.23	15.12%	0.05%
Sub-Total: Distribution			1,193.24			1,318.04	124.80	10.46%	38.33%
Retail Transmission Rate – Network Service Rate	60	1.6422	98.53	60	1.6422	98.53	0.00	0.00%	2.87%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.0516	63.10	60	1.0516	63.10	0.00	0.00%	1.84%
Sub-Total: Retail Transmission			161.63			161.63	0.00	0.00%	4.70%
Sub-Total: Delivery			1,354.87			1,479.67	124.80	9.21%	43.04%
Wholesale Market Service Rate	15,915	0.0044	70.03	15,915	0.0044	70.03	0.00	0.00%	2.04%
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%	2.60%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.05%
Total Bill on Two-Tier RPP (before Taxes)			2,917.94			3,042.73	124.80	4.28%	88.50%
HST		0.13	379.33		0.13	395.56	16.22	4.28%	11.50%
Total Bill (including HST)			3,297.27			3,438.29	141.02	4.28%	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 OCEB)			3,297.27			3,438.29	141.02	4.28%	100.00%

2019 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)	37,135	0.086	3,193.61	37,135	0.086	3,193.61	0.00	0.00%	43.55%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,193.61			3,193.61	0.00	0.00%	43.55%
Service Charge	1	103.54	103.54	1	108.41	108.41	4.87	4.70%	1.48%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.72	2.72	1	6.88	6.88	4.16	152.94%	0.09%
Fixed Deferral/Variance Account Rider	1	0.69	0.69	1	0.71	0.71	0.02	2.90%	0.01%
Distribution Volumetric Rate	120	17.6167	2,114.00	120	18.8109	2,257.31	143.30	6.78%	30.78%
Volumetric Smoothing Rider	120	0.4624	55.49	120	1.1934	143.21	87.72	158.09%	1.95%
Volumetric Deferral/Variance Account Rider	120	0.0258	3.10	120	0.0297	3.56	0.47	15.12%	0.05%
Sub-Total: Distribution			2,279.54			2,520.08	240.54	10.55%	34.36%
Retail Transmission Rate – Network Service Rate	120	1.6422	197.06	120	1.6422	197.06	0.00	0.00%	2.69%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.0516	126.19	120	1.0516	126.19	0.00	0.00%	1.72%
Sub-Total: Retail Transmission			323.26			323.26	0.00	0.00%	4.41%
Sub-Total: Delivery			2,602.79			2,843.34	240.54	9.24%	38.77%
Wholesale Market Service Rate	37,135	0.0044	163.39	37,135	0.0044	163.39	0.00	0.00%	2.23%
Rural Rate Protection Charge	37,135	0.0012	44.56	37,135	0.0012	44.56	0.00	0.00%	0.61%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			208.21			208.21	0.00	0.00%	2.84%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.34%
Total Bill on Two-Tier RPP (before Taxes)			6,249.61			6,490.15	240.54	3.85%	88.50%
HST		0.13	812.45		0.13	843.72	31.27	3.85%	11.50%
Total Bill (including HST)			7,062.06			7,333.87	271.81	3.85%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			7,062.06			7,333.87	271.81	3.85%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	185,675	0.086	15,968.05	185,675	0.086	15,968.05	0.00	0.00%	47.56%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,968.05			15,968.05	0.00	0.00%	47.56%
Service Charge	1	103.54	103.54	1	108.41	108.41	4.87	4.70%	0.32%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.72	2.72	1	6.88	6.88	4.16	152.94%	0.02%
Fixed Deferral/Variance Account Rider	1	0.69	0.69	1	0.71	0.71	0.02	2.90%	0.00%
Distribution Volumetric Rate	500	17.6167	8,808.35	500	18.8109	9,405.45	597.10	6.78%	28.01%
Volumetric Smoothing Rider	500	0.4624	231.20	500	1.1934	596.70	365.50	158.09%	1.78%
Volumetric Deferral/Variance Account Rider	500	0.0258	12.90	500	0.0297	14.85	1.95	15.12%	0.04%
Sub-Total: Distribution			9,159.40			10,133.00	973.60	10.63%	30.18%
Retail Transmission Rate – Network Service Rate	500	1.6422	821.10	500	1.6422	821.10	0.00	0.00%	2.45%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.0516	525.80	500	1.0516	525.80	0.00	0.00%	1.57%
Sub-Total: Retail Transmission			1,346.90			1,346.90	0.00	0.00%	4.01%
Sub-Total: Delivery			10,506.30			11,479.90	973.60	9.27%	34.19%
Wholesale Market Service Rate	185,675	0.0044	816.97	185,675	0.0044	816.97	0.00	0.00%	2.43%
Rural Rate Protection Charge	185,675	0.0012	222.81	185,675	0.0012	222.81	0.00	0.00%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			1,040.03			1,040.03	0.00	0.00%	3.10%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	3.65%
Total Bill on Two-Tier RPP (before Taxes)			28,739.38			29,712.98	973.60	3.39%	88.50%
HST		0.13	3,736.12		0.13	3,862.69	126.57	3.39%	11.50%
Total Bill (including HST)			32,475.50			33,575.67	1,100.17	3.39%	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 OCEB)			32,475.50			33,575.67	1,100.17	3.39%	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)	15,750	0.086	1,354.50	15,750	0.086	1,354.50	0.00	0.00%	47.01%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			1,354.50			1,354.50	0.00	0.00%	47.01%
Service Charge	1	106.14	106.14	1	111.64	111.64	5.50	5.18%	3.88%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.79	2.79	1	7.08	7.08	4.29	153.76%	0.25%
Fixed Deferral/Variance Account Rider	1	0.71	0.71	1	0.73	0.73	0.02	2.82%	0.03%
Distribution Volumetric Rate	60	10.0451	602.71	60	10.7214	643.28	40.58	6.73%	22.33%
Volumetric Smoothing Rider	60	0.2637	15.82	60	0.6802	40.81	24.99	157.94%	1.42%
Volumetric Deferral/Variance Account Rider	60	-0.0376	-2.26	60	-0.0357	-2.14	0.11	-5.05%	-0.07%
Sub-Total: Distribution			725.91			801.40	75.49	10.40%	27.82%
Retail Transmission Rate – Network Service Rate	60	2.0526	123.16	60	2.0526	123.16	0.00	0.00%	4.27%
Retail Transmission Rate – Line and Transformation Connection Service Rate	60	1.2844	77.06	60	1.2844	77.06	0.00	0.00%	2.67%
Sub-Total: Retail Transmission			200.22			200.22	0.00	0.00%	6.95%
Sub-Total: Delivery			926.13			1,001.62	75.49	8.15%	34.77%
Wholesale Market Service Rate	15,750	0.0044	69.30	15,750	0.0044	69.30	0.00	0.00%	2.41%
Rural Rate Protection Charge	15,750	0.0012	18.90	15,750	0.0012	18.90	0.00	0.00%	0.66%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			88.45			88.45	0.00	0.00%	3.07%
Debt Retirement Charge (DRC)	15,000	0.007	105.00	15,000	0.007	105.00	0.00	0.00%	3.64%
Total Bill on Two-Tier RPP (before Taxes)			2,474.08			2,549.57	75.49	3.05%	88.50%
HST		0.13	321.63		0.13	331.44	9.81	3.05%	11.50%
Total Bill (including HST)			2,795.71			2,881.02	85.31	3.05%	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 OCEB)			2,795.71			2,881.02	85.31	3.05%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	36,750	0.086	3,160.50	36,750	0.086	3,160.50	0.00	0.00%	50.90%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			3,160.50			3,160.50	0.00	0.00%	50.90%
Service Charge	1	106.14	106.14	1	111.64	111.64	5.50	5.18%	1.80%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.79	2.79	1	7.08	7.08	4.29	153.76%	0.11%
Fixed Deferral/Variance Account Rider	1	0.71	0.71	1	0.73	0.73	0.02	2.82%	0.01%
Distribution Volumetric Rate	120	10.0451	1,205.41	120	10.7214	1,286.57	81.16	6.73%	20.72%
Volumetric Smoothing Rider	120	0.2637	31.64	120	0.6802	81.62	49.98	157.94%	1.31%
Volumetric Deferral/Variance Account Rider	120	-0.0376	-4.51	120	-0.0357	-4.28	0.23	-5.05%	-0.07%
Sub-Total: Distribution			1,342.18			1,483.36	141.17	10.52%	23.89%
Retail Transmission Rate – Network Service Rate	120	2.0526	246.31	120	2.0526	246.31	0.00	0.00%	3.97%
Retail Transmission Rate – Line and Transformation Connection Service Rate	120	1.2844	154.13	120	1.2844	154.13	0.00	0.00%	2.48%
Sub-Total: Retail Transmission			400.44			400.44	0.00	0.00%	6.45%
Sub-Total: Delivery			1,742.62			1,883.80	141.17	8.10%	30.34%
Wholesale Market Service Rate	36,750	0.0044	161.70	36,750	0.0044	161.70	0.00	0.00%	2.60%
Rural Rate Protection Charge	36,750	0.0012	44.10	36,750	0.0012	44.10	0.00	0.00%	0.71%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.00%
Sub-Total: Regulatory			206.05			206.05	0.00	0.00%	3.32%
Debt Retirement Charge (DRC)	35,000	0.007	245.00	35,000	0.007	245.00	0.00	0.00%	3.95%
Total Bill on Two-Tier RPP (before Taxes)			5,354.17			5,495.35	141.17	2.64%	88.50%
HST		0.13	696.04		0.13	714.40	18.35	2.64%	11.50%
Total Bill (including HST)			6,050.22			6,209.74	159.53	2.64%	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 OCEB)			6,050.22			6,209.74	159.53	2.64%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	183,750	0.086	15,802.50	183,750	0.086	15,802.50	0.00	0.00%	54.78%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			15,802.50			15,802.50	0.00	0.00%	54.78%
Service Charge	1	106.14	106.14	1	111.64	111.64	5.50	5.18%	0.39%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	2.79	2.79	1	7.08	7.08	4.29	153.76%	0.02%
Fixed Deferral/Variance Account Rider	1	0.71	0.71	1	0.73	0.73	0.02	2.82%	0.00%
Distribution Volumetric Rate	500	10.0451	5,022.55	500	10.7214	5,360.70	338.15	6.73%	18.58%
Volumetric Smoothing Rider	500	0.2637	131.85	500	0.6802	340.10	208.25	157.94%	1.18%
Volumetric Deferral/Variance Account Rider	500	-0.0376	-18.80	500	-0.0357	-17.85	0.95	-5.05%	-0.06%
Sub-Total: Distribution			5,245.24			5,802.40	557.16	10.62%	20.11%
Retail Transmission Rate – Network Service Rate	500	2.0526	1,026.30	500	2.0526	1,026.30	0.00	0.00%	3.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	1.2844	642.20	500	1.2844	642.20	0.00	0.00%	2.23%
Sub-Total: Retail Transmission			1,668.50			1,668.50	0.00	0.00%	5.78%
Sub-Total: Delivery			6,913.74			7,470.90	557.16	8.06%	25.90%
Wholesale Market Service Rate	183,750	0.0044	808.50	183,750	0.0044	808.50	0.00	0.00%	2.80%
Rural Rate Protection Charge	183,750	0.0012	220.50	183,750	0.0012	220.50	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			1,029.25			1,029.25	0.00	0.00%	3.57%
Debt Retirement Charge (DRC)	175,000	0.007	1,225.00	175,000	0.007	1,225.00	0.00	0.00%	4.25%
Total Bill on Two-Tier RPP (before Taxes)			24,970.49			25,527.65	557.16	2.23%	88.50%
HST		0.13	3,246.16		0.13	3,318.59	72.43	2.23%	11.50%
Total Bill (including HST)			28,216.65			28,846.24	629.59	2.23%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,216.65			28,846.24	629.59	2.23%	100.00%

2019 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)	318	0.086	27.37	318	0.086	27.37	0.00	0.00%	5.49%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			27.37			27.37	0.00	0.00%	5.49%
Service Charge	1	266.3	266.30	1	285.63	285.63	19.33	7.26%	57.31%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	6.99	6.99	1	18.12	18.12	11.13	159.23%	3.64%
Fixed Deferral/Variance Account Rider	1	2.31	2.31	1	2.42	2.42	0.11	4.76%	0.49%
Distribution Volumetric Rate	10	7.6646	76.65	10	8.8373	88.37	11.73	15.30%	17.73%
Volumetric Smoothing Rider	10	0.2012	2.01	10	0.5606	5.61	3.59	178.63%	1.12%
Volumetric Deferral/Variance Account Rider	10	0.037	0.37	10	0.0449	0.45	0.08	21.35%	0.09%
Sub-Total: Distribution			354.63			400.60	45.97	12.96%	80.38%
Retail Transmission Rate – Network Service Rate	10	0.5491	5.49	10	0.5491	5.49	0.00	0.00%	1.10%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10	0.3443	3.44	10	0.3443	3.44	0.00	0.00%	0.69%
Sub-Total: Retail Transmission			8.93			8.93	0.00	0.00%	1.79%
Sub-Total: Delivery			363.56			409.53	45.97	12.64%	82.17%
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)			395.07			441.04	45.97	11.64%	88.50%
HST		0.13	51.36		0.13	57.33	5.98	11.64%	11.50%
Total Bill (including HST)			446.43			498.37	51.95	11.64%	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 OCEB)			446.43			498.37	51.95	11.64%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	2,122	0.086	182.49	2,122	0.086	182.49	0.00	0.00%	22.38%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			182.49			182.49	0.00	0.00%	22.38%
Service Charge	1	266.3	266.30	1	285.63	285.63	19.33	7.26%	35.03%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	6.99	6.99	1	18.12	18.12	11.13	159.23%	2.22%
Fixed Deferral/Variance Account Rider	1	2.31	2.31	1	2.42	2.42	0.11	4.76%	0.30%
Distribution Volumetric Rate	20	7.6646	153.29	20	8.8373	176.75	23.45	15.30%	21.68%
Volumetric Smoothing Rider	20	0.2012	4.02	20	0.5606	11.21	7.19	178.63%	1.38%
Volumetric Deferral/Variance Account Rider	20	0.037	0.74	20	0.0449	0.90	0.16	21.35%	0.11%
Sub-Total: Distribution			433.66			495.03	61.37	14.15%	60.72%
Retail Transmission Rate – Network Service Rate	20	0.5491	10.98	20	0.5491	10.98	0.00	0.00%	1.35%
Retail Transmission Rate – Line and Transformation Connection Service Rate	20	0.3443	6.89	20	0.3443	6.89	0.00	0.00%	0.84%
Sub-Total: Retail Transmission			17.87			17.87	0.00	0.00%	2.19%
Sub-Total: Delivery			451.52			512.89	61.37	13.59%	62.91%
Wholesale Market Service Rate	2,122	0.0044	9.34	2,122	0.0044	9.34	0.00	0.00%	1.15%
Rural Rate Protection Charge	2,122	0.0012	2.55	2,122	0.0012	2.55	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%	0.03%
Sub-Total: Regulatory			12.13			12.13	0.00	0.00%	1.49%
Debt Retirement Charge (DRC)	2,000	0.007	14.00	2,000	0.007	14.00	0.00	0.00%	1.72%
Total Bill on Two-Tier RPP (before Taxes)			660.15			721.52	61.37	9.30%	88.50%
HST		0.13	85.82		0.13	93.80	7.98	9.30%	11.50%
Total Bill (including HST)			745.97			815.32	69.35	9.30%	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 OCEB)			745.97			815.32	69.35	9.30%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	5,305	0.086	456.23	5,305	0.086	456.23	0.00	0.00%	21.70%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			456.23			456.23	0.00	0.00%	21.70%
Service Charge	1	266.3	266.30	1	285.63	285.63	19.33	7.26%	13.58%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	6.99	6.99	1	18.12	18.12	11.13	159.23%	0.86%
Fixed Deferral/Variance Account Rider	1	2.31	2.31	1	2.42	2.42	0.11	4.76%	0.12%
Distribution Volumetric Rate	100	7.6646	766.46	100	8.8373	883.73	117.27	15.30%	42.02%
Volumetric Smoothing Rider	100	0.2012	20.12	100	0.5606	56.06	35.94	178.63%	2.67%
Volumetric Deferral/Variance Account Rider	100	0.037	3.70	100	0.0449	4.49	0.79	21.35%	0.21%
Sub-Total: Distribution			1,065.88			1,250.45	184.57	17.32%	59.46%
Retail Transmission Rate – Network Service Rate	100	0.5491	54.91	100	0.5491	54.91	0.00	0.00%	2.61%
Retail Transmission Rate – Line and Transformation Connection Service Rate	100	0.3443	34.43	100	0.3443	34.43	0.00	0.00%	1.64%
Sub-Total: Retail Transmission			89.34			89.34	0.00	0.00%	4.25%
Sub-Total: Delivery			1,155.22			1,339.79	184.57	15.98%	63.71%
Wholesale Market Service Rate	5,305	0.0044	23.34	5,305	0.0044	23.34	0.00	0.00%	1.11%
Rural Rate Protection Charge	5,305	0.0012	6.37	5,305	0.0012	6.37	0.00	0.00%	0.30%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.01%
Sub-Total: Regulatory			29.96			29.96	0.00	0.00%	1.42%
Debt Retirement Charge (DRC)	5,000	0.007	35.00	5,000	0.007	35.00	0.00	0.00%	1.66%
Total Bill on Two-Tier RPP (before Taxes)			1,676.41			1,860.98	184.57	11.01%	88.50%
HST		0.13	217.93		0.13	241.93	23.99	11.01%	11.50%
Total Bill (including HST)			1,894.34			2,102.91	208.56	11.01%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			1,894.34			2,102.91	208.56	11.01%	100.00%

2019 Bill Impacts (Low Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	206,800	0.086	17,784.80	206,800	0.086	17,784.80	0.00	0.00%	61.13%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			17,784.80			17,784.80	0.00	0.00%	61.13%
Service Charge	1	1314.53	1,314.53	1	1364.86	1,364.86	50.33	3.83%	4.69%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	26.4	26.40	1	66.06	66.06	39.66	150.23%	0.23%
Fixed Deferral/Variance Account Rider	1	6.64	6.64	1	6.7	6.70	0.06	0.90%	0.02%
Distribution Volumetric Rate	500	1.3849	692.45	500	1.4552	727.60	35.15	5.08%	2.50%
Volumetric Smoothing Rider	500	0.0388	19.40	500	0.0981	49.05	29.65	152.84%	0.17%
Volumetric Deferral/Variance Account Rider	500	0.1876	93.80	500	0.1882	94.10	0.30	0.32%	0.32%
Sub-Total: Distribution			2,153.22			2,308.37	155.15	7.21%	7.93%
Retail Transmission Rate – Network Service Rate	500	3.5654	1,782.70	500	3.5654	1,782.70	0.00	0.00%	6.13%
Retail Transmission Rate – Line and Transformation Connection Service Rate	500	2.6212	1,310.60	500	2.6212	1,310.60	0.00	0.00%	4.51%
Sub-Total: Retail Transmission			3,093.30			3,093.30	0.00	0.00%	10.63%
Sub-Total: Delivery			5,246.52			5,401.67	155.15	2.96%	18.57%
Wholesale Market Service Rate	206,800	0.0044	909.92	206,800	0.0044	909.92	0.00	0.00%	3.13%
Rural Rate Protection Charge	206,800	0.0012	248.16	206,800	0.0012	248.16	0.00	0.00%	0.85%
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%	3.98%
Debt Retirement Charge (DRC)	200,000	0.007	1,400.00	200,000	0.007	1,400.00	0.00	0.00%	4.81%
Total Bill on Two-Tier RPP (before Taxes)			25,589.65			25,744.80	155.15	0.61%	88.50%
HST		0.13	3,326.65		0.13	3,346.82	20.17	0.61%	11.50%
Total Bill (including HST)			28,916.30			29,091.62	175.32	0.61%	100.00%
Ontario Clean Energy Benefit (OCEB)		0.00	0.00		0.00	0.00	0.00	0.00%	0.00%
Total Bill on Two-Tier RPP (including OCEB)			28,916.30			29,091.62	175.32	0.61%	100.00%

2019 Bill Impacts (Typical Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	517,000	0.086	44,462.00	517,000	0.086	44,462.00	0.00	0.00%	65.34%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			44,462.00			44,462.00	0.00	0.00%	65.34%
Service Charge	1	1314.53	1,314.53	1	1364.86	1,364.86	50.33	3.83%	2.01%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	26.4	26.40	1	66.06	66.06	39.66	150.23%	0.10%
Fixed Deferral/Variance Account Rider	1	6.64	6.64	1	6.7	6.70	0.06	0.90%	0.01%
Distribution Volumetric Rate	1,000	1.3849	1,384.90	1,000	1.4552	1,455.20	70.30	5.08%	2.14%
Volumetric Smoothing Rider	1,000	0.0388	38.80	1,000	0.0981	98.10	59.30	152.84%	0.14%
Volumetric Deferral/Variance Account Rider	1,000	0.1876	187.60	1,000	0.1882	188.20	0.60	0.32%	0.28%
Sub-Total: Distribution			2,958.87			3,179.12	220.25	7.44%	4.67%
Retail Transmission Rate – Network Service Rate	1,000	3.5654	3,565.40	1,000	3.5654	3,565.40	0.00	0.00%	5.24%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,000	2.6212	2,621.20	1,000	2.6212	2,621.20	0.00	0.00%	3.85%
Sub-Total: Retail Transmission			6,186.60			6,186.60	0.00	0.00%	9.09%
Sub-Total: Delivery			9,145.47			9,365.72	220.25	2.41%	13.76%
Wholesale Market Service Rate	517,000	0.0044	2,274.80	517,000	0.0044	2,274.80	0.00	0.00%	3.34%
Rural Rate Protection Charge	517,000	0.0012	620.40	517,000	0.0012	620.40	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			2,895.45			2,895.45	0.00	0.00%	4.25%
Debt Retirement Charge (DRC)	500,000	0.007	3,500.00	500,000	0.007	3,500.00	0.00	0.00%	5.14%
Total Bill on Two-Tier RPP (before Taxes)			60,002.92			60,223.17	220.25	0.37%	88.50%
HST		0.13	7,800.38		0.13	7,829.01	28.63	0.37%	11.50%
Total Bill (including HST)			67,803.30			68,052.18	248.88	0.37%	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 OCEB)			67,803.30			68,052.18	248.88	0.37%	100.00%

2019 Bill Impacts (High Consumption Level)

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

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	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	4,136,000	0.086	355,696.00	4,136,000	0.086	355,696.00	0.00	0.00%	64.56%
Energy Second Tier (kWh)	0	0.101	0.00	0	0.101	0.00	0.00	0.00%	0.00%
Sub-Total: Energy (RPP)			355,696.00			355,696.00	0.00	0.00%	64.56%
Service Charge	1	1314.53	1,314.53	1	1364.86	1,364.86	50.33	3.83%	0.25%
Smart Meter Adder	1	0	0.00	1	0	0.00	0.00	0.00%	0.00%
Fixed Smoothing Rider	1	26.4	26.40	1	66.06	66.06	39.66	150.23%	0.01%
Fixed Deferral/Variance Account Rider	1	6.64	6.64	1	6.7	6.70	0.06	0.90%	0.00%
Distribution Volumetric Rate	10,000	1.3849	13,849.00	10,000	1.4552	14,552.00	703.00	5.08%	2.64%
Volumetric Smoothing Rider	10,000	0.0388	388.00	10,000	0.0981	981.00	593.00	152.84%	0.18%
Volumetric Deferral/Variance Account Rider	10,000	0.1876	1,876.00	10,000	0.1882	1,882.00	6.00	0.32%	0.34%
Sub-Total: Distribution			17,460.57			18,852.62	1,392.05	7.97%	3.42%
Retail Transmission Rate – Network Service Rate	10,000	3.5654	35,654.00	10,000	3.5654	35,654.00	0.00	0.00%	6.47%
Retail Transmission Rate – Line and Transformation Connection Service Rate	10,000	2.6212	26,212.00	10,000	2.6212	26,212.00	0.00	0.00%	4.76%
Sub-Total: Retail Transmission			61,866.00			61,866.00	0.00	0.00%	11.23%
Sub-Total: Delivery			79,326.57			80,718.62	1,392.05	1.75%	14.65%
Wholesale Market Service Rate	4,136,000	0.0044	18,198.40	4,136,000	0.0044	18,198.40	0.00	0.00%	3.30%
Rural Rate Protection Charge	4,136,000	0.0012	4,963.20	4,136,000	0.0012	4,963.20	0.00	0.00%	0.90%
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%	4.20%
Debt Retirement Charge (DRC)	4,000,000	0.007	28,000.00	4,000,000	0.007	28,000.00	0.00	0.00%	5.08%
Total Bill on Two-Tier RPP (before Taxes)			486,184.42			487,576.47	1,392.05	0.29%	88.50%
HST		0.13	63,203.97		0.13	63,384.94	180.97	0.29%	11.50%
Total Bill (including HST)			549,388.39			550,961.41	1,573.02	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 OCEB)			549,388.39			550,961.41	1,573.02	0.29%	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		\$30	\$30	\$30	\$30	\$30	\$30
15	Service Layout Fee – Basic	Standard Formula	\$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	-	-			

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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	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								

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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
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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2 The change to rate code 26a eliminates the overlap between the CIA work formerly covered under this item, with a charge of \$10,335
3 and the CIA work covered by the \$3,000 charge that was approved under the OEB decision and order EB-2010-0228 for “Net
4 Metering, Capacity Allocation Exempt, Rescinded, and Revised CIA Charges”. There was no time study or quantitative analysis
5 completed for the \$3,000 charge.

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7 The change proposed for item 26a is based on the actual labour hours required to complete the CIAs.

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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

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

Calculation of LDC Joint Use Costs	Currently Approved Rate	2015	2016	2017	2018	2019
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

Calculation of LDC Joint Use Costs	Currently Approved Rate	2015	2016	2017	2018	2019
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

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Table 19

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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
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	100	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	278,366	\$6,080,083	281,756	\$10,202,878	285,188	\$10,430,425	288,662	\$10,663,054	292,179	\$10,900,880	295,738	\$11,144,019
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	11,932	\$341,374	12,266	\$574,979	12,610	\$596,989	12,963	\$619,841	13,326	\$643,569	13,699	\$668,205

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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

2

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.