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August 22, 2018

Ms. Kirsten Walli
Ontario Energy Board
PO Box 2319
27th Floor, 2300 Yonge Street
Toronto, Ontario M4P 1E4

Re: 2019 IRM4 Rate Application: Entegrus St. Thomas Rate Zone
Board File No.: EB-2018-0024

Dear Ms. Walli,

On July 21, 2017, Entegrus Powerlines Inc. ("Entegrus") and St. Thomas Energy Inc. ("STEI") submitted a MAAD application (EB-2017-0212), seeking approval to amalgamate and continue as Entegrus. On March 15, 2018, the Board approved the amalgamation and the deferral of rate re-basing for the merged entity until 2026. Subsequently, Entegrus notified the Board that the transaction was complete effective April 1, 2018. On April 19, 2018, Entegrus received its amended Licence ED-2002-0563 and notification from the Board that the STEI Licence (ED-2002-0523) was cancelled. As described in EB-2017-0212, Entegrus plans to maintain two separate rate zones (Entegrus-Main and Entegrus-St. Thomas) until such time as rates are re-based.

On August 13, 2018, Entegrus filed the Entegrus-Main 2019 IRM4 rate application, in accordance with the Board's 2019 IRM Tranche 1 deadline. At that time, Entegrus advised the Board that as a result of merger-related activities, it was delayed in completing the 2019 Entegrus-St. Thomas IRM 4 rate zone application (the "Application"). Entegrus noted that it regretted the need to postpone filing until August 24, 2018.

The Application is now complete. By way of this Application, Entegrus seeks Board approval for Entegrus-St. Thomas distribution rates effective January 1, 2019.

In preparing the Application, Entegrus utilized the Board's 2019 Rate Generator Model. The basis for the Application and associated models are more fully described in the attached Manager's Summary and Application. The application is supported by written evidence that may be amended from time to time, prior to the Board's decision on this Application.

The complete application was submitted today via the Board's web portal in both electronic (i.e. Excel) and PDF form. Further, two hardcopies of the Application have been submitted via courier.

The primary contact for this application is Andrya Eagen, Manager of Regulatory and Reporting. Andrya can be contacted at (519) 352-6300 Ext. 243, or via email at regulatory@entegrus.com. Alternatively, please contact the undersigned.

Proposed publication details are included in Section 3 of the Manager's Summary of the Application. Entegrus respectfully requests that this Application be processed by way of written hearing.

Entegrus apologizes for the delay in filing this Application. If you have any further questions, please do not hesitate to contact us.

Regards,

[Original signed by]

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cc: Jim Hogan, President & CEO
Chris Cowell, Chief Financial and Regulatory Officer
Andrya Eagen, Manager of Regulatory & Reporting



2019 IRM Rates Application

Application & Evidence
Board File No.: EB-2018-0024
Date Filed: August 22, 2018

TABLE OF CONTENTS

1	List of Attachments	2
2	Summary	3
3	Overview – The Evolution of Entegrus	5
4	Entegrus-Main Rate Zone	7
5	Entegrus – St. Thomas Rate Zone	7
5.1	Preparation of Rates	7
5.1.1	Current Tariff Schedule	7
5.1.2	Deferral/Variance Account Disposition	7
5.1.3	RRR Reconciliation	8
5.1.4	Group One Disposition	10
5.1.5	LRAMVA	12
5.1.6	Class A Consumption and GA Allocation	14
5.1.7	Capacity Based Recovery	14
5.1.8	Shared Tax Savings	15
5.1.9	Retail Transmission Rates	15
5.1.10	Price Cap Index Adjustment	15
5.1.11	Residential Rate Design Transition	16
5.1.12	Revenue to Cost Ratio Adjustments	16
5.1.13	Additional Rates	17
5.1.14	Regulatory Charges	17
5.1.15	Proposed Rates	18
5.1.16	Bill Impacts	18
6	Certificate of Evidence	19

1 LIST OF ATTACHMENTS

- A. January 1, 2018 Entegrus-St. Thomas Approved Tariff Sheet
- B. 2019 IRM Rate Generator Model, Version 2.0, Issued July 24, 2018
- C. Entegrus-St. Thomas IESO Settlement Process
- D. GA Analysis Workform, Issued July 12, 2018
- E. Account 1595 Analysis Workform, Issued July 12, 2018
- F. LRAMVA Report, Prepared by IndEco Strategic Consulting
- G. LRAMVA Workform
- H. Entegrus-St. Thomas Bill Impacts
- I. January 1, 2019 Entegrus-St. Thomas Proposed Tariff Sheet
- J. Certificate of Evidence

2 SUMMARY

Entegrus Powerlines Inc. (“Entegrus”) submits herein a complete application (the “Application”) for proposed distribution and transmission rates effective January 1, 2019 for the Entegrus-St. Thomas rate zone. The two Entegrus rate zones are further described in Section 3 below.

The Application is prepared in accordance with Board guidelines and directions, including:

- Chapter 3 of the Board’s Filing Requirements for Electricity Rate Applications, dated July 12, 2018 (the “Filing Requirements”);
- Letter from the Board to Licensed Electricity Distributors re: “Process for 2019 Incentive Regulation Mechanism Distribution Rate Applications”, dated July 12, 2018.

This Manager’s Summary is organized as described in the Table of Contents on Page 1.

The Application is supported by written evidence that may be amended from time to time, prior to the Board’s final decision on this Application. Key elements included (and not included) in this Application are as follows:

TABLE 1: KEY ELEMENTS OF THIS APPLICATION

Line No.	Description	Entegrus-St. Thomas Inclusions
1	Z Factor Claim	No
2	Incremental Capital Module Claim	No
3	Advanced Capital Module Claim	No
4	Lost Revenue Adjustment Mechanism (“LRAM”) Variance Account Disposit	Yes
5	Rate Harmonization pursuant to a prior OEB decision	No
6	Renewable Generation and/or Smart Grid Adder Request	No
7	Multiple Service Areas with Different Rates	Yes
8	Migration of customer into or out of Class A (Global Adjustment)	Yes
9	Other	N/A

Entegrus confirms that Entegrus-St. Thomas transitioned to International Financial Reporting Standards (“IFRS”) on January 1, 2015. The 2018 IRM distribution rates shown in Attachment A are reflective of the following:

- **Entegrus-St. Thomas:** the EB-2017-0074 Board Decision and Order dated December 14, 2017

There are no outstanding Board Orders affecting this Application, nor has Entegrus been previously denied for any amounts included in the account balances of this Application.

The persons affected by this Application are the ratepayers of Entegrus' distribution business. Entegrus is proposing that notices related to this Application appear in The St. Thomas Times-Journal. The St. Thomas Times-Journal serves the City of St. Thomas and surrounding area and has an average circulation of approximately 3,200 per day¹. In addition, the Application will be posted on Entegrus' website at <http://www.entegrus.ca>.

Entegrus respectfully requests that this Application be decided by way of a written hearing.

Contact information for the Application is as follows:

Andrya Eagen
Manager of Regulatory & Reporting
Phone: 519-352-6300 Ext 243
Email: regulatory@entegrus.com

¹ <http://www.newspaperscanada.ca/daily> newspaper circulation data

3 OVERVIEW – THE EVOLUTION OF ENTEGRUS

Chatham Hydro was the largest predecessor to what is now Entegrus and was founded in 1914. Subsequently, Chatham-Kent Hydro (“CKH”) was formed in 1998 as an amalgamation of eleven former Municipal Electric Utilities (“MEUs”). The amalgamation of the MEUs was part of the municipal amalgamation of approximately twenty-two municipalities and townships into what is now the Municipality of Chatham-Kent.

The former CKH was a local electricity distribution company (OEB Distributor Licence ED-2002-0563) serving the Ontario communities of Blenheim, Bothwell, Chatham, Dresden, Eriau, Merlin, Ridgetown, Thamesville, Tilbury, Wallaceburg, Wheatley, and certain designated land parcels in the Township of Raleigh, known as the Bloomfield Business Park.

On March 24, 2005, CKH’s parent company, the former Chatham-Kent Energy Inc. (“CK Energy”), submitted MAAD application EB-2005-0255 requesting Board approval to acquire all shares of Middlesex Power Distribution Corporation (“MPDC”). At that time, MPDC was a local distribution company (former OEB Distributor Licence ED-2003-0059) servicing the Ontario communities of Strathroy, Mount Brydges and Parkhill.

The Board approved this acquisition in its Decision and Order issued on June 24, 2005. CK Energy’s acquisition of MPDC subsequently closed June 30, 2005.

On October 15, 2008, MPDC submitted MAAD applications EB-2008-0332 and EB-2008-0350 requesting Board approval to acquire all shares of the former Dutton Hydro Limited and the former Newbury Power Inc. and to amalgamate all entities into MPDC. The Board approved these acquisitions and the amalgamation in its Decision and Order issued February 9, 2009. MPDC closed this transaction on April 30, 2009. Subsequently, MPDC served the distribution areas formerly licensed to each of MPDC, Dutton Hydro Limited & Newbury Power Inc. and maintained separate rate zones for each of these three areas.

On August 31, 2011, CKH applied to the Board for leave to amalgamate MPDC with CKH (MAAD applications EB-2011-0328 and EB-2011-0329). On December 16, 2011, the Board approved the amalgamation, and on January 11, 2012, CKH notified the Board that this transaction was complete. On January 20, 2012, CKH received its amended Licence ED-2002-0563 and notification from the Board that the MPDC Licence ED-2003-0059 was cancelled.

Subsequently, on January 31, 2012, CKH applied to the Board to amend the company name on its Electricity Distribution Licence (ED-2002-0563) to Entegrus Powerlines Inc. (“Entegrus”). The Board approved this change and issued an updated Licence on February 24, 2012.

On August 28, 2015, Entegrus filed its comprehensive 2016 COS Application (EB-2015-0261) for distribution rates effective May 1, 2016, which also sought harmonization of the four previous rate zones of: (i) Chatham-Kent, (ii) Strathroy, Parkhill & Mt. Brydges, (iii) Dutton and (iv) Newbury. On February 3, 2016, Entegrus and the parties to the Application submitted a full Settlement Agreement on all matters to the Board for approval. Subsequently, the Board approved this Settlement Agreement in full in its Decision and Order dated March 17, 2016.

On July 21, 2017, Entegrus and St. Thomas Energy Inc. ("STEI") submitted a MAAD application (EB-2017-0212), seeking approval to amalgamate and continue as Entegrus. At that time, STEI was a local distribution company (former OEB Distributor Licence ED-2003-0563) servicing the City of St. Thomas, Ontario. On March 15, 2018, the Board approved the amalgamation and the deferral of rate re-basing for the merged entity until 2026. Subsequently, Entegrus notified the Board that the transaction was complete, effective April 1, 2018. On April 19, 2018, Entegrus received its amended Licence ED-2002-0563 and notification from the Board that the STEI Licence ED-2002-0523 was cancelled. As described in EB-2017-0212, Entegrus plans to maintain two separate rate zones (Entegrus-Main and Entegrus-St. Thomas) until such time as rates are re-based.

The former St. Thomas Energy Inc. (now Entegrus-St. Thomas) last rebased for rates effective 2015 (EB-2014-0113) and utilizes a January 1st rate year.

As of August 2018, Entegrus has approximately 58,000 metered customers and ranks approximately 11th in the Province of Ontario in terms of electrical utility size by number of metered customers.

4 ENTEGRUS-MAIN RATE ZONE

Please see the separate application filed August 13, 2018 for details related to the Entegrus-Main rate zone.

5 ENTEGRUS – ST. THOMAS RATE ZONE

5.1 PREPARATION OF RATES

Entegrus has utilized the Board's Rate Generator Model (version 2.0 issued July 24, 2018) for the development of its proposed rates. A copy of the Rate Generator Model has been filed in Live Excel format and a copy can be found in Attachment B of this Application.

5.1.1 CURRENT TARIFF SCHEDULE

The current 2018 rates (as approved in EB-2017-0074) were pre-populated in the Rate Generator Model by Board Staff. Entegrus-St. Thomas has reviewed these inputs and confirms them to be accurate.

5.1.2 DEFERRAL/VARIANCE ACCOUNT DISPOSITION

Overview

The Report of the Board on Electricity Distributors' Deferral and Variance Account Review (the "EDDVAR Report") provides that, during the IRM plan term, Group One Deferral and Variance Accounts ("Group One Accounts") are to be reviewed and disposed if the pre-set disposition threshold of \$0.001 per kWh (debit or credit) is exceeded. By way of a Board letter dated July 25, 2014, entitled "Process for 2015 Incentive Regulation Mechanism Distribution Rate Applications", this EDDVAR guidance was updated such that distributors may now elect to dispose of Group One Account balances below the pre-set disposition threshold.

In its Decision and Order with regard to the former St. Thomas Energy's 2017 IRM application (EB-2016-0104), the Board indicated that prior to granting disposition approval of Accounts 1588 and 1589 for 2015 and 2016, it intended to conduct an audit of these accounts. This audit was completed in January 2018, and Board Staff summarized its audit conclusion as follows:

"Staff has concluded that due to a misallocation error in 2015, the balances reported for Accounts 1588 and 1589 as at December 31, 2016 have been materially misstated. However, Staff notes there has been

no impact to customers to date as these balances have not yet been approved for disposition. As a result, Staff expects STEI to make the necessary adjustments to Accounts 1588 and 1589 as of 2017 to ensure accurate account balances are brought forward for disposition in its next rate application.

Apart from the misallocation error, nothing came to Staff's attention that the balances for Accounts 1588 and 1589 as at December 31, 2016 have been materially misstated."

The necessary adjustments referred to above by Board Staff were recorded by STEI in 2017 and are shown in the Rate Generator Mode, Tab "3. Continuity Schedule" in Cells AV28 and AV29 (related to the principal portion) and Cells BA28 and BA29 (related to the interest portion).

As summarized in Table 2 below, the aggregate Group One Account balances for 2015, 2016 and 2017 considered for disposition in the Application exceed the pre-set disposition threshold. Accordingly, Entegrus-St. Thomas has proposed disposition of these audited Group One Account balances herein.

Entegrus-St. Thomas has made no adjustments to account balances previously approved by OEB on a final basis.

TABLE 2: 2017 DVA THRESHOLD TEST

Line No.	Description	USoA	Amount
1	LV Variance Account	1550	\$0
2	Smart Metering Entity Charge Variance Account	1551	-\$16,852
3	RSVA - Wholesale Market Service Charge	1580	-\$1,170,249
4	Variance WMS – Sub-account CBR Class B	1580	\$60,278
5	RSVA - Retail Transmission Network Charge	1584	-\$221,593
6	RSVA - Retail Transmission Connection Charge	1586	-\$56,471
7	RSVA - Power	1588	-\$1,368,245
8	RSVA - Global Adjustment	1589	\$829,486
9	Disposition and Recovery/Refund of Regulatory Balances	1595	\$230,211
10	Total Group One Balance for Disposition		-\$1,713,436
11	Total kWh Consumption		275,303,522
12	Threshold Calculation		-\$0.0062

5.1.3 RRR RECONCILIATION

The following Table summarizes the variances from the Rate Generator Model, Tab "3. Continuity Schedule" to the balances previously submitted in RRR 2.1.7.

TABLE 3: DVA BALANCE RECONCILIATION TO RRR AS OF DECEMBER 31, 2017

Line No.	Description	USoA	Balance per Model *	RRR 2.1.7	Variance
1	LV Variance Account	1550	\$0	\$0	\$0
2	Smart Metering Entity Charge Variance Account	1551	-\$16,545	-\$16,544	\$0
3	RSVA - Wholesale Market Service Charge	1580	-\$1,148,956	-\$1,089,766	-\$59,190
4	Variance WMS – Sub-account CBR Class A	1580	\$0	\$0	\$0
5	Variance WMS – Sub-account CBR Class B	1580	\$59,190	\$0	\$59,190
6	RSVA - Retail Transmission Network Charge	1584	-\$217,555	-\$217,555	\$0
7	RSVA - Retail Transmission Connection Charge	1586	-\$55,439	-\$55,440	\$0
8	RSVA - Power	1588	-\$1,344,143	-\$1,402,950	\$58,806
9	RSVA - Global Adjustment	1589	\$815,276	\$913,949	-\$98,673
10	Disposition and Recovery/Refund of Regulatory Balances	1595	\$226,172	\$226,205	-\$33
11	LRAM Variance Account	1568	\$54,302	\$15,336	\$38,966
12	Total		-\$1,627,698	-\$1,626,764	-\$933

* Balances from Rate Generator Model, Tab "3. Continuity Schedule", Column BG + Column BL

The variance of \$59,190 (credit) reflected in Line 3 of Table 3 represents the balance of Sub-account CBR Class B. As directed in the Filing Guidelines, the amounts related to CBR Class B have been recorded in the Account 1580 subaccount entitled "Variance WMS – Sub-account CBR Class B" (shown above as Line 5) and are thereby excluded from Line 3 above with the offsetting variance showing in Line 5.

The variance of \$58,806 (debit) reflected in Line 8 of Table 3 represents a one-time accounting reclassification between Account 1588 and Account 1589 related to 2017 and booked in 2018, as further discussed in Section 5.1.4 below.

The variance of \$98,673 (credit) reflected in Line 9 of Table 3 represents the adjustments to the Global Adjustment account based on the reconciliation in the GA Analysis Workform, including the reclassification entry noted above. For more details, please see Section 5.1.4 below.

The variance of \$33 (credit) reflected in Line 10 of Table 3 represents a small adjustment to write-off a 2012 receivable balance recorded subsequent to the approval for disposition of residual balances. Entegrus-St. Thomas considers this amount immaterial.

The variance of \$38,966 (debit) reflected in Line 11 of Table 3 represents the difference between the estimated LRAMVA recorded in the general ledger and reported in the RRR filing as of December 31, 2017, and the proposed LRAMVA disposition based on the Entegrus-St. Thomas final verified IESO results in 2016. Please see Section 5.1.5 below for more details on the LRAMVA balance and the proposed disposition.

5.1.4 GROUP ONE DISPOSITION

Entegrus-St. Thomas last disposed of Group One Account balances in its 2016 IRM Application (EB-2015-0102) for audited balances to December 31, 2014. In this Application, Entegrus-St. Thomas is proposing a one-year period for the disposition of its Group One Account balances for 2015, 2016 and 2017.

Account 1589 Global Adjustment

The Board's filing requirements require each distributor to complete the Global Adjustment ("GA") Analysis Workform to determine whether the balance in Account 1589 GA is reasonable. The Workform compares the general ledger principal balance to an expected principal balance based on monthly GA volumes, revenues and costs. Distributors compare the actual and expected balances and explain the associated reconciling items. Any unexplained discrepancy greater than +/- 1% of the total annual IESO GA charges is assessed by the OEB for materiality and may prompt further analysis before disposition approval.

Please refer to Attachment C for a detailed description of Entegrus' IESO settlement process and Attachment J for a copy of the Certificate of Evidence.

Consistent with the Board guidance contained in its letter dated May 23, 2017, in 2017, Entegrus-St. Thomas commenced the practice of truing up the December RPP / GA in the first quarter of the following year, prior to closing the previous fiscal year general ledger.

Please refer to Attachment D for Entegrus-St. Thomas' completed GA Analysis Workform for the proposed 2015, 2016 and 2017 Account 1589 disposition.

It is noted that the "Calculated Loss Factor" in Cell F57 of the GA Analysis Workform is shown as 1.0215. Upon further management review, it was determined that there was an inadvertent clerical error in the 2017 RRR Non-RPP Class A kWh consumption, as reported. Entegrus submitted an RRR Revision Request on August 20, 2018 to update the Non-RPP Class A kWh from the originally submitted value of 21,216,894 kWhs to an amended value of 22,742,240 kWhs, which appropriately reflects Non-RPP Class A consumption. With this adjustment, the calculated Loss Factor is adjusted to 1.0365, which aligns with the range of: the Entegrus-St. Thomas approved secondary metered customer loss rate of 1.0393 and the approved Entegrus-St. Thomas primary metered customer loss rate of 1.0289. Please see the table below for the details of this calculation.

TABLE 4: NON-RPP CALCULATED LOSS FACTOR

Line No.	Description	Source	Original kWh	Revised kWh
1	Total Non-RPP Consumption	GA Workform, Cell D16	126,974,574	126,974,574
2	Non-RPP Class A Consumption	RRR Revision Request	21,216,894	22,742,240
3	Net Class B kWh	Line 1 minus Line 2	105,757,680	104,232,334
4	Non-RPP Class B Consumption	GA Workform, Cell F51	108,036,262	108,036,262
5	Calculated Loss Factor	Line 4 divided by Line 3	1.0215	1.0365

As noted above, Entegrus-St. Thomas last disposed of Account 1589 for the period ending December 31, 2014. Accordingly, Entegrus St. Thomas has completed a GA Analysis for form for each of 2015, 2016 and 2017. The following table summarizes the reconciled results for each year.

TABLE 5: GA RECONCILIATION RESULTS

Line No.	Description	Annual Transaction	Unresolved Difference	% Variance
1	Year Ending 2015	\$2,042,100	-\$25,629	-0.2%
2	Year Ending 2016	-\$1,291,251	-\$35,982	-0.3%
3	Year Ending 2017	\$99,668	\$57,862	0.5%

The above noted variances are within the Board's +/- 1% threshold.

Based on the GA Analysis Workform reconciliation, Entegrus-St. Thomas has updated the Rate Generator Model, Tab "3. Continuity Schedule", Cell B29 with a credit of \$98,673. This credit reflects the total amounts booked in 2018 related to: (i) true up of 2017 RPP estimates amounting to for a credit of \$39,754, (ii) true up of 2017 Long Term Load Transfer ("LTLT") activity amounting to a credit of \$113, and, (iii) a reclassification entry between Account 1588 and Account 1589, amounting to a credit of \$58,806. The latter reclassification was a result of an internal clerical error triggered by a temporary change in how the IESO settled generation for the months of June 2017 and July 2017. This clerical error was identified and adjusted in 2018 as a result of additional management review and reconciliation.

Account 1595 Residual Balances

Account 1595 is used to record the disposition of DVA balances approved for recovery or refund. Entegrus-St. Thomas utilizes subaccounts to track the various Board Approved principal and interest balances upon disposition. Entegrus-St. Thomas maintains subaccounts for each annual disposition and type of disposition (RPP or Non-RPP).

Entegrus-St. Thomas has three previous dispositions for which the applicable rate riders expired in or prior to December 2017. Upon expiration, the associated subaccounts ended with residual balances (which relate to volumetric variances) and require disposition, as detailed in the table below:

TABLE 6: RESIDUAL BALANCES FOR DISPOSITION

Line No.	Description	EB Number	Rate Rider Ending	Original Disposition	Residual Balance	Accrued Interest	Total Claim
1	2014 IRM Group One Disposition	EB-2013-0171	April 30, 2015	-\$342,907	\$184,611	\$15,749	\$200,360
2	2015 COS Group One & LRAMVA	EB-2014-0113	December 31, 2015	-\$47,339	\$8,443	\$3,200	\$11,643
3	2016 IRM Group One Disposition	EB-2015-0102	December 31, 2016	\$485,119	\$14,877	\$3,330	\$18,207
4	Grand Total				\$207,931		\$230,210

New to the OEB's filing requirements for 2019 IRM Applications, each distributor requesting disposition of Account 1595 residual balances must complete a supplemental 1595 Analysis Workform. Entegrus-St. Thomas has completed the 1595 Analysis Workform and provided additional notes regarding reconciling items within the Workform. The 1595 Analysis Workform has been provided in Live Excel and a copy has also been included in Attachment E.

It is noted that the relatively large EB-2013-0171 rate rider residual balance (see Line 1 in Table 6 above) results from actual demand for the GS>50 kW rate class being lower than forecast, particularly as impacting the Non-RPP Global Adjustment portion of the rate rider disposition. As noted in the 2015 STEI Cost of Service (EB-2014-0113, Exhibit 2, page 17), the City of St. Thomas suffered an economic downturn during the "Great Recession". This ultimately resulted in various industrial plants being wound down and then closed. STEI continued to experience a trend of decreasing GS>50 kW load during the 2014 rate rider disposition period. However, the billing determinants used to calculate the EB-2013-0171 rate rider denominator were based on 2012 load data, at which time the full recessionary impacts had not yet been realized. This drove the volumetric variance results in the EB-2013-0171 rate rider residual balance.

Consistent with the Rate Generator Model, Entegrus-St. Thomas proposes that the residual balances be disposed of globally based on each balance's original allocations from the appropriate originating rate applications. Entegrus-St. Thomas has inputted these percentages into Tab "4. Billing Det. for Def-Var" of the Rate Generator Model.

5.1.5 LRAMVA

In January 2015, Ontario launched a new six-year Conservation First Framework covering the period 2015-2020, and replacing the previous 2011-2014 Conservation and Demand Management ("CDM") framework. From 2011 through 2016, Entegrus-St. Thomas offered provincial CDM programs in partnership with the Independent Electricity System Operator ("IESO"). Entegrus-St. Thomas did not offer custom programs beyond the IESO programs.

Board guidance authorizes distributors to establish a Lost Revenue Adjustment Mechanism Variance Account (“LRAMVA”). The objective of the LRAMVA is to ensure that lost revenues resulting from CDM Programs do not act as a disincentive to a distributor. Accordingly, the LRAMVA captures the difference between the results of actual verified impacts of authorized CDM activities undertaken by distributors and the level of activities embedded into rates through the distributor’s load forecast.

As previously noted, Entegrus-St. Thomas last rebased for rates effective January 1, 2015 (EB-2014-0113). This resulted in the establishment of a new baseline of CDM activities embedded in Entegrus-St. Thomas distribution rates for 2015, by way of the associated approved load forecast.

Entegrus-St. Thomas last disposed of claims for lost revenues through to December 31, 2015 in the 2017 IRM application (EB-2016-0104). This Application proposes disposition of claims as follows:

- Lost revenues in 2016 related to programs offered in 2013
- Lost revenues in 2016 related to programs offered in 2014
- Lost revenues in 2016 related to programs offered in 2015; and,
- Lost revenues in 2016 related to programs offered in 2016.

Entegrus has engaged IndEco Strategic Consulting Inc. (“IndEco”) to prepare a third party LRAMVA review. Please see Attachment F for IndEco’s report, which supports a disposition amount of \$54,302 (inclusive of carrying charges to January 1, 2019). Entegrus-St. Thomas considers this amount to be of sufficient significance to propose disposition and confirms that the amounts being proposed for disposition have never been included in past claims. The proposed LRAMVA disposition is based on final verified IESO results.

The completed Board LRAMVA Workform is included herein as Attachment G. A copy in Live Excel format has been filed as part of this Application.

Information provided in the IndEco report includes the CDM programs/initiatives applicable to each rate class, as well as the energy savings (kWh) and peak demand (kW) assigned to each program/initiative.

Table 7 below provides a summary of the proposed LRAMVA disposition by rate class. The amounts below have been entered into the Rate Generator Model in column R of Tab “4. Billing Det. for Def-Var” by rate class for disposition.

TABLE 7: ENTEGRUS-ST. THOMAS PROPOSED LRAMVA DISPOSITION

Line No.	Rate Class	Principal	Interest	Total
1	Residential	\$20,318	\$704	\$21,022
2	General Service < 50 kW	\$18,967	\$657	\$19,624
3	General Service > 50 kW	\$13,140	\$455	\$13,596
4	Sentinel Lighting	\$0	\$0	\$0
5	Street Lighting	\$58	\$2	\$60
6	Total	\$52,484	\$1,818	\$54,302

5.1.6 CLASS A CONSUMPTION AND GA ALLOCATION

As a result of the expansion of the Industrial Conservation Initiative (“ICI”) program, Entegrus-St. Thomas added 6 Class A customers from the General Service > 50 kW rate class in 2017. Prior to this, Entegrus-St. Thomas did not have any Class A customers.

In July 2016, Entegrus-St. Thomas commenced billing General Service > 50 kW interval customers on the IESO published Actual rate, instead of the traditional IESO published 1st Estimate. To facilitate appropriate allocation and rate rider calculation of the GA disposition, Entegrus-St. Thomas has treated these additional 22 customers as Class A customers within the model. Note, 4 of the 6 actual Class A customers were also billed on Actual GA rate starting July 2016.

Entegrus-St. Thomas has populated Tab “6. Class A Consumption Data” with the necessary customer specific consumption details and confirms that the billing determinants are accurate.

Entegrus-St. Thomas has reviewed the GA amounts allocated to the transitional Class A customers on Rate Generator Model, Tab “6.1a. GA Allocation” and proposes to dispose of these amounts via a one-time bill adjustment.

5.1.7 CAPACITY BASED RECOVERY

Consistent with the Accounting Procedures Handbook, Entegrus-St. Thomas has continued to record Capacity Based Recovery (“CBR”) charges and revenues separately for Class A and Class B customers in their respective Account 1580 subaccounts. Entegrus-St. Thomas has not previously disposed of Account 1580, Subaccount Class B. Accordingly, the request for disposition relates to activity for 2015, 2016 and 2017. As noted above, Entegrus-St. Thomas had 6 customers transition from Class B to Class A in July 2017.

Entegrus-St. Thomas has completed Tab “6.2a CBR B_Allocation” to calculate the necessary CBR bill credit for the transitional customers.

5.1.8 SHARED TAX SAVINGS

In accordance with the Board’s methodology, the impact of currently known legislated tax changes (as applied to the tax level reflected in Board Approved base rates) is calculated and shared 50/50 with ratepayers. However, Entegrus-St. Thomas recently updated base rates in its 2015 COS Application (EB-2014-0113), and since that time no known legislative tax changes have occurred. Accordingly, no Shared Tax Savings Rate rider is proposed. Entegrus-St. Thomas has calculated Shared Tax Savings, as shown in Tab “8. STS – Tax Change” and Tab “9. Shared Tax – Rate Rider” of the Rate Generator Model.

5.1.9 RETAIL TRANSMISSION RATES

On June 28, 2012, the Board issued revision 4.0 of *G-2008-0001: Electricity Distribution Retail Transmission Service Rates* (the “Guideline”). The Guideline instructs distributors to adjust their Retail Transmission Service Rates (“RTSR’s”) based on a comparison of historical transmission costs adjusted for new Uniform Transmission Rates (“UTR”) levels, and revenues generated from existing RTSRs.

Entegrus-St. Thomas has utilized Tab “10. RTSR Current Rates” through Tab “15. RTSR Rates to Forecast” in the Rate Generator Model to complete the necessary calculations.

Entegrus-St. Thomas acknowledges that the IESO Uniform Transmission Rates currently used in the Rate Generator Model are subject to update by Board Staff subsequent to the issuance of the associated 2019 IESO rate orders.

Based on the current inputs in the Rate Generator Model, Entegrus-St. Thomas proposes the following Retail Transmission Rates.

TABLE 8: PROPOSED RETAIL TRANSMISSION RATES

Line No.	Description	Billing Determinant	Proposed RTSR - Network	Proposed RTSR - Connection
1	Residential	kWh	\$0.0067	\$0.0065
2	General Service < 50 kW	kWh	\$0.0067	\$0.0060
3	General Service > 50 kW to 4,999 kW	kW	\$2.6959	\$2.4560
4	Sentinel Lighting	kW	\$1.6944	\$1.5427
5	Street Lighting	kW	\$2.0788	\$1.8937

5.1.10 PRICE CAP INDEX ADJUSTMENT

Entegrus-St. Thomas has used the Rate Generator Model proxy values of 1.20% as the Price Escalator (GDP-IPI), a 0.0% Productivity Factor and the former STEI’s Group III Stretch Factor Value of 0.30%, as per the Board’s 2017

Benchmarking Update for Determination of 2017 Stretch Factor Rankings. These components result in an interim Price Cap Index of 0.90%, as shown in Tab “16. Rev2Cost_GDPIPI” of the 2019 Rate Generator Model. Entegrus-St. Thomas understands that Board Staff will adjust for the final GDP-IPI and Stretch Factor Group once both factors are available.

5.1.11 RESIDENTIAL RATE DESIGN TRANSITION

On April 2, 2015, the Board released its policy “*A New Distribution Rate Design for Residential Electricity Customers*” (the “Policy”), by which the Board directed that the distribution costs will be recovered from Residential customers solely via a fixed monthly service charge. The Board further determined that the new rate design (i.e. the phase out of the Residential volumetric rate) would be implemented across all distributors’ service areas over a four-year period, in order to mitigate customer bill impacts.

Entegrus-St. Thomas has utilized the methodology in the Rate Generator Model, Tab “16. Rev2Cost_GDPIPI” to continue to transition to fully fixed rates for Residential customers. The transition proposed as part of this Application moves Entegrus-St. Thomas to fully fixed rates effective January 1, 2019.

As per the Filing Requirements, Entegrus-St. Thomas calculates the combined effect of the proposed fixed rate design migration and other impacts from this Application for Residential RPP customers to the 10th percentile of consumption. Entegrus-St. Thomas previously calculated the 10th percentile of Residential consumption by downloading the 2016 billed usage from only active accounts with 12 full months of data in Excel. The query produced 14,635 records and by utilizing the Excel percentile formula function, it was determined that the 10th percentile of Residential consumption was 323 kWh.

The bill impacts for Residential customers at the 10th percentile is estimated to be -0.5%, please refer to Attachment H for the detailed bill impact calculations. The analysis shows that the proposed rate design and other impacts from this Application will result in bill impacts of less than 10% for Entegrus-St. Thomas Residential customers at the 10th percentile of consumption. Accordingly, no Residential rate mitigation is required (nor is rate mitigation required for any other rate class, as described in Section 5.1.16 below).

5.1.12 REVENUE TO COST RATIO ADJUSTMENTS

There were no Revenue to Cost Ratio phase-in adjustments subsequent to 2015 arising from Entegrus-St. Thomas’ 2015 COS Decision (EB-2014-0113). Accordingly, Entegrus-St. Thomas has made no adjustments in the Rate Generator Model on Tab “16. Rev2Cost_GDPIPI”.

5.1.13 ADDITIONAL RATES

Entegrus-St. Thomas has not proposed any additional rates changes.

5.1.14 REGULATORY CHARGES

Wholesale Market Service Rate & Capacity Based Recovery Rate

The Wholesale Market Service Rate (“WMS”) is designed to allow distributors to recover costs charged by the IESO for the operation of the IESO administered markets and the operation of the IESO controlled grid. The WMS Rate is an energy-based rate (per kWh) and is set by the OEB on a generic basis.

On November 19, 2015 the OEB issued a Decision and Order (EB-2015-0294) establishing that the WMS rate used by rate regulated distributors to bill their customers shall be \$0.0036 per kWh effective January 1, 2016.

On March 29, 2016, the OEB issued a letter advising LDCs that the Wholesale Market Service rate of \$0.0036/kWh be split into two rates as follows:

- Wholesale Market Service Rate of \$0.0032/kWh, and
- Capacity Based Recovery (CBR) – Applicable to Class B Customers of \$0.0004/kWh.

Entegrus-St. Thomas proposes to continue to utilize the previously approved \$0.0032/kWh and \$0.0004/kWh rates unless otherwise directed by the Board.

Rural or Remote Electricity Rate Protection Charge (“RRRP”)

The Rural or Remote Electricity Rate Protection Charge (“RRRP”) was established by regulation of the provincial government. The RRRP is designed to reduce costs for eligible customers located in rural or remote areas, where the cost of distributing electricity to these customers is higher.

On November 19, 2015, the OEB issued a Decision and Order (EB-2015-0294) establishing that the RRRP rate used by rate regulated distributors to bill their customers will continue to be \$0.0013 per kWh effective January 1, 2016. On June 22, 2017, consistent with the Ontario Fair Hydro Plan, the OEB issued a Decision on the RRRP Charge for effective July 1, 2017 (EB-2017-0234) resulting in a reduction of the RRRP rate to \$0.0003/kWh.

Entegrus-St. Thomas proposes to continue to utilize the previously approved \$0.0003/kWh rate unless otherwise directed by the Board.

Standard Supply Service – Administrative Charge ("SSS")

Entegrus-St. Thomas proposes to continue to utilize the previously approved \$0.25/customer rate, unless otherwise directed by the Board.

5.1.15 PROPOSED RATES

Entegrus-St. Thomas has utilized the Proposed Tariff sheet as generated from Tab "19. Final Tariff Schedule" in the Rate Generator Model. A copy of the proposed tariff sheet has been included in Attachment I.

5.1.16 BILL IMPACTS

Entegrus-St. Thomas has utilized the Rate Generator Model to prepare bill impacts for each rate class. The table below summarizes the bill impacts for the average Entegrus-St. Thomas customer in each rate class.

TABLE 9: 2018 ENTEGRUS-ST. THOMAS PROPOSED BILL IMPACTS

Line No.	Rate Class/Category	Type	Typical kWh	Typical kW	2018 Final Rates	2019 Proposed Rates	\$ Increase (Decrease)	% Increase (Decrease)
1	Residential	RPP	750	-	\$110	\$105	-\$5	-4.5%
2	General Service < 50 kW	RPP	2,000	-	\$291	\$277	-\$14	-4.7%
3	General Service > 50 - 4,999 kW	Non-RPP	43,800	100	\$6,927	\$6,814	-\$113	-1.6%
4	Sentinel Lighting	Non-RPP	730	1	\$90	\$86	-\$4	-4.2%
5	Street Lighting	Non-RPP	730	1	\$107	\$109	\$2	2.0%

As shown in the table above, the proposed bill impacts would result in rate increases less than 10% for all rate classes. Accordingly, no rate mitigation measures are proposed.

6 CERTIFICATE OF EVIDENCE

Consistent with the Filing Requirements, a certification of evidence is enclosed. Please see Attachment J for a copy of the Certificate.

ATTACHMENT A

January 1, 2018

Approved Tariff Sheet

EB-2017-0074

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

EB-2017-0074

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	23.54
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.37
Distribution Volumetric Rate	\$/kWh	0.0043
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2017-0074

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	24.22
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0165
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2017-0074

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	75.46
Distribution Volumetric Rate	\$/kW	3.6125
Retail Transmission Rate - Network Service Rate	\$/kW	2.7220
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3169

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2017-0074

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.88
Distribution Volumetric Rate	\$/kW	5.9077
Retail Transmission Rate - Network Service Rate	\$/kW	1.7108
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4553

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2017-0074

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.73
Distribution Volumetric Rate	\$/kW	0.0364
Retail Transmission Rate - Network Service Rate	\$/kW	2.0989
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7864

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2017-0074

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

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

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2017-0074

SPECIFIC SERVICE CHARGES

APPLICATION

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Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00
Disconnect/reconnect at pole - during regular hours	\$	185.00
Disconnect/reconnect at pole - after regular hours	\$	415.00
Install/remove load control device - during regular hours	\$	65.00
Install/remove load control device - after regular hours	\$	185.00

Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Disconnect/Reconnect at customer's request - at meter during regular hours	\$	65.00

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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RETAIL SERVICE CHARGES (if applicable)

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Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0393
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0289

ATTACHMENT B

2019 IRM Rate Generator Model

Version 2.0, Issued July 24, 2018



Incentive Regulation Model for 2019 Filers

Quick Link

Ontario Energy Board's 2019 Electricity
Distribution Rates Webpage

Version 1.0

Utility Name St. Thomas Energy Inc.

Assigned EB Number EB-2018-0024

Name of Contact and Title Andrya Eagen, Manager of Regulatory and Reporting

Phone Number 519-352-6300, Ext 243

Email Address regulatory@entegrus.com

We are applying for rates effective Tuesday, January 1, 2019

Rate-Setting Method Price Cap IR

Please indicate in which Rate Year the
Group 1 accounts were last cleared¹ 2016

Please indicate the last Cost of Service
Re-Basing Year 2015

Legend

 Pale green cells represent input cells.



Incentive Regulation Model for 2019 File

St. Thomas Energy Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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EB-2017-0074

RESIDENTIAL SERVICE CLASSIFICATION

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	23.54
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.37
Distribution Volumetric Rate	\$/kWh	0.0043
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Regulation Model for 2019 File

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	24.22
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0165
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Regulation Model for 2019 File

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	75.46
Distribution Volumetric Rate	\$/kW	3.6125
Retail Transmission Rate - Network Service Rate	\$/kW	2.7220
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3169

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Regulation Model for 2019 File

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.88
Distribution Volumetric Rate	\$/kW	5.9077
Retail Transmission Rate - Network Service Rate	\$/kW	1.7108
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4553

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Regulation Model for 2019 File

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.73
Distribution Volumetric Rate	\$/kW	0.0364
Retail Transmission Rate - Network Service Rate	\$/kW	2.0989
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7864

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Regulation Model for 2019 File

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs)	\$	15.00



Incentive Regulation Model for 2019 File

Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00
Disconnect/reconnect at pole - during regular hours	\$	185.00
Disconnect/reconnect at pole - after regular hours	\$	415.00
Install/remove load control device - during regular hours	\$	65.00
Install/remove load control device - after regular hours	\$	185.00

Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Disconnect/Reconnect at customer's request - at meter during regular hours	\$	65.00

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0393
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0289

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number
Group 1 Accounts	
LV Variance Account	1550
Smart Metering Entity Charge Variance Account	1551
RSVA - Wholesale Market Service Charge ¹	1580
Variance WMS – Sub-account CBR Class A ⁵	1580
Variance WMS – Sub-account CBR Class B ⁵	1580
RSVA - Retail Transmission Network Charge	1584
RSVA - Retail Transmission Connection Charge	1586
RSVA - Power ⁴	1588
RSVA - Global Adjustment ⁴	1589
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595
<i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>	
RSVA - Global Adjustment	1589
Total Group 1 Balance excluding Account 1589 - Global Adjustment	
Total Group 1 Balance	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568
Total including Account 1568	

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

³ The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor. Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

⁴ Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1588. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

		2012									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2012	Transactions Debit/ (Credit) during 2012	OEB-Approved Disposition during 2012	Principal Adjustments ¹ during 2012	Closing Principal Balance as of Dec 31, 2012	Opening Interest Amounts as of Jan 1, 2012	Interest Jan 1 to Dec 31, 2012	OEB-Approved Disposition during 2012	Interest Adjustments ¹ during 2012	Closing Interest Amounts as of Dec 31, 2012
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge ¹	1580					0					0
Variance WMS – Sub-account CBR Class A ⁵	1580					0					0
Variance WMS – Sub-account CBR Class B ⁵	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power ⁴	1588					0					0
RSVA - Global Adjustment ⁴	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595					0					0
<i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>	1595					0					0
RSVA - Global Adjustment	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

³ The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB-Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor. Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

⁴ Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

		2013									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2013	Transactions Debit/ (Credit) during 2013	OEB-Approved Disposition during 2013	Principal Adjustments ¹ during 2013	Closing Principal Balance as of Dec 31, 2013	Opening Interest Amounts as of Jan 1, 2013	Interest Jan 1 to Dec 31, 2013	OEB-Approved Disposition during 2013	Interest Adjustments ¹ during 2013	Closing Interest Amounts as of Dec 31, 2013
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge ¹	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power ⁴	1588	0				0	0				0
RSVA - Global Adjustment ⁴	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³											
<i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>	1595	0				0	0				0
RSVA - Global Adjustment	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

³ The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB-Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor. Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

⁴ Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

		2014										2015						
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2014	Transactions Debit/ (Credit) during 2014	OEB-Approved Disposition during 2014	Principal Adjustments¹ during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31, 2014	OEB-Approved Disposition during 2014	Interest Adjustments¹ during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions Debit/ (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments¹ during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015	
Group 1 Accounts																		
LV Variance Account	1550	0			0	0	0			0	0	0				0	0	
Smart Metering Entity Charge Variance Account	1551				5,820	5,820				233	233	5,820	(10,283)	9,763		(14,226)	233	
RSVA - Wholesale Market Service Charge³	1580	0			(205,094)	(205,094)				(3,665)	(3,665)	(205,094)	(586,647)	(175,726)		(616,015)	(3,665)	
Variance WMS – Sub-account CBR Class A⁵	1580	0			0	0	0			0	0	0				0	0	
Variance WMS – Sub-account CBR Class B⁵	1580	0			0	0	0			0	0	0		75,255		75,255	0	
RSVA - Retail Transmission Network Charge	1584	0			61,562	61,562				476	476	61,562	(41,289)	8,750		11,523	476	
RSVA - Retail Transmission Connection Charge	1586	0			16,717	16,717	0			(470)	(470)	16,717	(5,788)	(14,608)		25,537	(470)	
RSVA - Power⁴	1588	0			(1,536,179)	(1,536,179)	0			(25,585)	(25,585)	(1,536,179)	(1,818,079)	(584,838)		(2,769,420)	(25,585)	
RSVA - Global Adjustment⁴	1589	0			2,135,668	2,135,668	0			27,096	27,096	2,135,668	2,042,100	677,980		3,499,788	27,096	
Disposition and Recovery/Refund of Regulatory Balances (2012)³	1595	0			26,467	26,467	0			(3,143)	(3,143)	26,467	39	26,046		460	(3,143)	
Disposition and Recovery/Refund of Regulatory Balances (2013)³	1595	0			0	0	0				0	0				0	0	
Disposition and Recovery/Refund of Regulatory Balances (2014)³	1595	0			(10,809)	(10,809)	0			(1,997)	(1,997)	(10,809)	190,383			179,574	(1,997)	
Disposition and Recovery/Refund of Regulatory Balances (2015)³	1595	0			0	0	0				0	0	(49,393)			(49,393)	0	
Disposition and Recovery/Refund of Regulatory Balances (2016)³	1595	0			0	0	0				0	0				0	0	
Disposition and Recovery/Refund of Regulatory Balances (2017)³	1595	0			0	0	0				0	0				0	0	
Disposition and Recovery/Refund of Regulatory Balances (2018)³																		
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	0				0	0				0	0				0	0	
RSVA - Global Adjustment	1589	0	0	0	2,135,668	2,135,668	0	0	0	27,096	27,096	2,135,668	2,042,100	677,980	0	3,499,788	27,096	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	(1,641,516)	(1,641,516)	0	0	0	(34,151)	(34,151)	(1,641,516)	(2,245,802)	(730,613)	0	(3,156,705)	(34,151)	
Total Group 1 Balance		0	0	0	494,152	494,152	0	0	0	(7,055)	(7,055)	494,152	(203,702)	(52,633)	0	343,083	(7,055)	
LRAM Variance Account (only input amounts if applying for disposition of this account)																		
	1568	0				0	0				0	0				0	0	
Total including Account 1568																		
		0	0	0	494,152	494,152	0	0	0	(7,055)	(7,055)	494,152	(203,702)	(52,633)	0	343,083	(7,055)	

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

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⁴ Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

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Account Descriptions	Account Number	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments ¹ during 2015	Closing Interest Amounts as of Dec 31, 2015
Group 1 Accounts					
LV Variance Account	1550				0
Smart Metering Entity Charge Variance Account	1551	(50)	253		(70)
RSVA - Wholesale Market Service Charge ²	1580	(2,780)	(1,519)		(4,926)
Variance WMS – Sub-account CBR Class A ³	1580				0
Variance WMS – Sub-account CBR Class B ³	1580	249			249
RSVA - Retail Transmission Network Charge	1584	211	(1,012)		1,689
RSVA - Retail Transmission Connection Charge	1586	143	(788)		461
RSVA - Power ⁴	1588	(24,128)	(8,807)		(40,906)
RSVA - Global Adjustment ⁴	1589	28,446	13,845	(44)	41,653
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595		(3,325)		182
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595	1,947		62	12
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	4,072			4,072
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595				0
<i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>					
RSVA - Global Adjustment	1589	28,446	13,845	(44)	41,653
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(20,336)	(15,198)	62	(39,227)
Total Group 1 Balance		8,110	(1,353)	18	2,426
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568				0
Total including Account 1568		8,110	(1,353)	18	2,426

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

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⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

		2016										2017						
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2016	Transactions Debit/ (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments ¹ during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments ¹ during 2016	Closing Interest Amounts as of Dec 31, 2016	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit/ (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments ¹ during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	
Group 1 Accounts																		
LV Variance Account	1550	0				0	0				0	0				0	0	
Smart Metering Entity Charge Variance Account	1551	(14,226)	(2,662)	(3,943)		(12,945)	(70)	(127)	(78)		(119)	(12,945)	(3,311)			(16,256)	(119)	
RSVA - Wholesale Market Service Charge ³	1580	(616,015)	(255,282)	(29,368)		(841,929)	(4,926)	(8,208)	(2,578)		(10,556)	(841,929)	(284,709)			(1,126,638)	(10,556)	
Variance WMS – Sub-account CBR Class A ⁴	1580					0	0				0	0				0	0	
Variance WMS – Sub-account CBR Class B ⁴	1580	75,255	(13,004)			62,251	249	689			938	62,251	(4,716)			57,535	938	
RSVA - Retail Transmission Network Charge	1584	11,523	(92,466)	52,812		(133,755)	1,699	(1,009)	2,264		(1,574)	(133,755)	(79,937)			(213,692)	(1,574)	
RSVA - Retail Transmission Connection Charge	1586	25,537	636	31,325		(5,152)	461	(140)	778		(457)	(5,152)	(49,444)			(54,596)	(457)	
RSVA - Power ⁴	1588	(2,769,420)	(668,862)	(951,341)	1,773,323	(713,618)	(40,906)	(25,165)	(30,763)	8,843	(26,465)	(713,618)	(620,440)		58,806	(1,275,252)	(26,465)	
RSVA - Global Adjustment ⁴	1589	3,499,788	482,072	1,457,688	(1,773,323)	750,849	41,653	28,940	34,679	(8,843)	27,071	750,849	99,668		(98,673)	751,844	27,071	
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595	460		421		39	182		188		(6)	39			(39)	0	(6)	
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595	0				0	0				0	0				0	0	
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595	179,574		(10,808)		190,382	12	2,084	(1,998)		4,094	190,382				190,382	4,094	
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	(49,393)	57,836			8,443	4,072	(520)			3,552	8,443				8,443	3,552	
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	(475,129)	(485,119)		9,990	0	2,896			2,896	9,990	4,888			14,878	2,896	
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0				0	0				0	0				0	0	
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0				0	0				0	0				0	0	
Not to be disposed of until a year after rate rider has expired and that balance has been audited																		
	1595	0				0	0				0	0				0	0	
RSVA - Global Adjustment	1589	3,499,788	482,072	1,457,688	(1,773,323)	750,849	41,653	28,940	34,679	(8,843)	27,071	750,849	99,668	0	(98,673)	751,844	27,071	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(3,156,705)	(1,448,933)	(1,396,021)	1,773,323	(1,436,294)	(39,227)	(29,500)	(32,187)	8,843	(27,697)	(1,436,294)	(1,037,670)	0	58,767	(2,415,197)	(27,697)	
Total Group 1 Balance		343,083	(966,861)	61,667	0	(685,445)	2,426	(560)	2,492	0	(626)	(685,445)	(938,002)	0	(39,906)	(1,663,353)	(626)	
LRAM Variance Account (only input amounts if applying for disposition of this account)																		
	1568	0			15,336	15,336	0				0	15,336	37,147	0		52,484	0	
Total including Account 1568		343,083	(966,861)	61,667	15,336	(670,109)	2,426	(560)	2,492	0	(626)	(670,109)	(900,854)	0	(39,906)	(1,610,869)	(626)	

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² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

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Incentive Regulation Model for 2019 Filers

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For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

If you had any Class A customers at any point during the period that the Account 1589 GA balance accumulated (i.e. from the year the balance was last disposed to 2017), check off the checkbox. ☐

If you had Class A customer(s) during this period, Tab 6 will be generated and applicants must complete the information pertaining to Class A customers.

If you had any customers classified as Class A at any point during the period where Account 1580, sub-account CBR Class B balance accumulated (i.e. 2017 or 2017 to 2016 or 2015 to 2017), check off the checkbox. ☐

If you had Class A customer(s) during this period, Tab 6.2 will be generated. Account 1580, sub-account CBR Class B will be disposed through a separate rate rider calculated in Tab 6.2.

If you only had Class B customers during this period, the balance in 1580 sub-account CBR Class B will be allocated and disposed with Account 1580 WMS.

					2018				Projected Interest on Dec-31-17 Balances				2.1.7 RRR		
Account Descriptions	Account Number	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments ¹ during 2017	Closing Interest Amounts as of Dec 31, 2017	Principal Disposition during 2018 - instructed by OEB	Interest Disposition during 2018 - instructed by OEB	Closing Principal Balances as of Dec 31, 2017 Adjusted for Disposition during 2018	Closing Interest Balances as of Dec 31, 2017 Adjusted for Disposition during 2018	Projected Interest from Jan 1, 2018 to Dec 31, 2018 on Dec 31, 2017 balance adjusted for disposition during 2018 ²	Projected Interest from Jan 1, 2019 to Apr 30, 2019 on Dec 31, 2017 balance adjusted for disposition during 2018 ²	Total Interest	Total Claim	As of Dec 31, 2017	
Group 1 Accounts															
LV Variance Account	1550				0			0	0	0	0	0	0	0	
Smart Metering Entity Charge Variance Account	1551	(169)			(288)			(16,256)	(288)	(307)		(596)	(16,852)	(16,544)	
RSVA - Wholesale Market Service Charge ³	1580	(11,762)			(22,318)			(1,126,638)	(22,318)	(21,293)		(43,612)	(1,170,249)	(1,089,766)	
Variance WMS – Sub-account CBR Class A ⁴	1580				0			0	0	0	0	0	0	0	
Variance WMS – Sub-account CBR Class B ⁵	1580	703		14	1,655			57,535	1,655	1,087		2,743	60,278	0	
RSVA - Retail Transmission Network Charge	1584	(2,288)			(3,862)			(213,692)	(3,862)	(4,039)		(7,901)	(221,593)	(217,555)	
RSVA - Retail Transmission Connection Charge	1586	(386)			(643)			(54,596)	(643)	(1,032)		(1,875)	(56,471)	(55,440)	
RSVA - Power ⁴	1588	(33,583)		(8,843)	(68,891)			(1,275,252)	(68,891)	(24,102)		(92,993)	(1,368,245)	(1,402,950)	
RSVA - Global Adjustment ⁴	1589	27,517		8,843	63,431			751,844	63,431	14,210		77,641	829,486	913,949	
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595			6	0			0	0	0		0	Check to Dispose of Account	0	33
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595				0			0	0	0		0	Check to Dispose of Account	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595	2,286			6,380			190,382	6,380	3,598		9,978	Check to Dispose of Account	200,360	196,762
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	(512)			3,040			8,443	3,040	160		3,200	Check to Dispose of Account	11,643	11,483
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	152			3,048			14,878	3,048	281		3,330	Check to Dispose of Account	18,207	17,926
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595				0			0	0	0		0	Check to Dispose of Account	0	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³					0			0	0	0		0	Check to Dispose of Account	0	
Not to be disposed of until a year after rate rider has expired and that balance has been audited															
	1595				0			0	0	0		0	Check to Dispose of Account	0	
RSVA - Global Adjustment	1589	27,517	0	8,843	63,431	0	0	751,844	63,431	14,210	0	77,641	829,486	913,949	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(45,558)	0	(8,823)	(82,079)	0	0	(2,415,197)	(82,079)	(45,647)	0	(127,726)	(2,542,923)	(2,556,050)	
Total Group 1 Balance		(18,041)	0	20	(18,647)	0	0	(1,663,353)	(18,647)	(31,437)	0	(50,085)	(1,713,437)	(1,642,101)	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	1,818			1,818			52,484	1,818	0		1,818	54,302	15,336	
Total including Account 1568		(16,223)	0	20	(16,829)	0	0	(1,610,869)	(16,829)	(31,437)	0	(48,266)	(1,659,135)	(1,626,764)	

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

³ The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB-Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor. Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

⁴ Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015), data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	Variance RRR vs. 2017 Balance (Principal + Interest)
Group 1 Accounts		
LV Variance Account	1550	0
Smart Metering Entity Charge Variance Account	1551	0
RSVA - Wholesale Market Service Charge ¹	1580	59,190
Variance WMS – Sub-account CBR Class A ⁵	1580	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(59,190)
RSVA - Retail Transmission Network Charge	1584	(0)
RSVA - Retail Transmission Connection Charge	1586	(0)
RSVA - Power ⁴	1588	(58,806)
RSVA - Global Adjustment ⁴	1589	98,673
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595	33
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	(0)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³ <i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>	1595	0
RSVA - Global Adjustment	1589	98,673
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(58,774)
Total Group 1 Balance		39,899
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	(38,966)
Total including Account 1568		933

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

¹ Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations.

² If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

³ The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor. Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

⁴ Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1588. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

⁵ Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Incentive Regulation Model for 2019 Filers

Data on this worksheet has been populated using your most recent RRR filing.

Click on the checkbox to confirm the accuracy of the data below:

If you have identified any issues, please [contact](#) the OEB.

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please [contact](#) the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1595 Recovery Proportion (2014) ¹	1595 Recovery Proportion (2015) ¹	1595 Recovery Proportion (2016) ¹	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	114,039,828	0	7,298,027	0	0	0	114,039,828	0	170%	504%	42%	21,022	15,651
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	38,212,022	0	8,128,049	0	0	0	38,212,022	0	43%	132%	14%	19,624	1,737
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	121,192,720	304,933	109,740,596	272,784	3,784,935	7228	117,407,785	297,705	-110%	-550%	42%	13,596	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	50,825	141	2,493	6	0	0	50,825	141	0%	0%	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,808,127	5,031	1,805,410	5,023	0	0	1,808,127	5,031	-3%	14%	1%	60	
Total		275,303,522	310,105	126,974,575	277,813	3,784,935	7,228	271,518,587	302,877	100%	100%	100%	54,302	17,388

Threshold Test

Total Claim (including Account 1568)	(\$1,659,135)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$1,713,437)
Threshold Test (Total claim per kWh) ²	(\$0.0062)

1568 Account Balance from Continuity Schedule	54,302
Total Balance of Account 1568 in Column S matches the amount entered on the Continuity Schedule	

¹ Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

² The Threshold Test does not include the amount in 1568.

³ The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.



Incentive Regulation Model for 2019 Filers

No input required. This worksheet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP			allocated based on Total less WMP			1595_(2014)	1595_(2015)	1595_(2016)	1568
				1550	1551	1580	1584	1586	1588				
RESIDENTIAL SERVICE CLASSIFICATION	41.4%	90.0%	42.0%	0	(15,169)	(491,513)	(91,791)	(23,392)	(574,673)	340,613	58,650	7,721	21,022
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	13.9%	10.0%	14.1%	0	(1,683)	(164,694)	(30,757)	(7,838)	(192,559)	86,155	15,363	2,621	19,624
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	44.0%	0.0%	43.2%	0	0	(506,029)	(97,549)	(24,859)	(591,645)	(220,396)	(63,983)	7,652	13,596
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	(219)	(41)	(10)	(256)	0	15	4	0
STREET LIGHTING SERVICE CLASSIFICATION	0.7%	0.0%	0.7%	0	0	(7,793)	(1,455)	(371)	(9,112)	(6,011)	1,598	209	60
Total	100.0%	100.0%	100.0%	0	(16,852)	(1,170,249)	(221,593)	(56,471)	(1,368,245)	200,360	11,643	18,207	54,302

** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.

Incentive Regulation Model for 2019 Filers

1 Please select the Year the Account 1589 CBR Class B was Last Disposed. (e.g. If in the 2018 EDR process, you received approval to dispose the GA variance account balance as at December 31, 2016, enter 2016.)

2a Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed to 2017)? (e.g. If you received approval to dispose of the GA variance account balance as at December 31, 2015, the period the GA variance accumulated would be 2016 and 2017.)

2b Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed to 2017)? (e.g. If you received approval to dispose of the CBR Class B balance as at December 31, 2016, the period the CBR Class B variance accumulated would be 2017.)

3a Enter the number of transition customers you had during the period the Account 1589 GA balance accumulated.

Transition Customers - Non-loss Adjusted Billing Determinants by Customer		2017		2018		2019		
Customer	Rate Class	January to June	July to December	January to June	July to December	January to June	July to December	
Customer 1	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 3,174,392	1,175,232	3,125,190	3,174,732	3,192,670	3,090,263	2015 - hwh
		WVH 3,187	A 3,203	B 3,159	A 3,204	B 3,480	B 3,091	2015 - hwh
	Class A/B	A						2015 - hwh
Customer 2	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 7,663,987	6,063,899	7,684,338	7,288,209	6,675,318	7,191,910	2015 - hwh
		WVH 13,933	15,963	13,934	13,975	13,729	13,821	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 3	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 2,035,200	2,503,200	2,088,000	2,437,800	2,121,000	2,099,200	2015 - hwh
		WVH 6,540	6,524	6,536	7,454	6,578	6,595	2015 - hwh
	Class A/B	B	A	B	B	B	B	2015 - hwh
Customer 4	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 8,566,083	8,093,708	8,497,597	8,306,354	8,571,144	8,533,330	2015 - hwh
		WVH 17,156	16,900	16,921	16,890	16,908	16,793	2015 - hwh
	Class A/B	A	A	A	A	B	B	2015 - hwh
Customer 5	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 3,115,337	3,623,603	3,203,567	3,820,412	3,167,696	3,666,369	2015 - hwh
		WVH 6,124	7,114	6,276	7,523	6,365	7,221	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 6	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 741,600	741,600	580,800	697,200	692,200	634,800	2015 - hwh
		WVH 4,005	A 4,447	B 4,053	A 3,887	B 3,739	B 4,074	2015 - hwh
	Class A/B	B	A	B	A	B	B	2015 - hwh
Customer 7	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 1,100,600	1,182,636	1,132,943	1,212,680	1,085,747	1,128,190	2015 - hwh
		WVH 1,881	1,893	1,833	2,027	1,767	2,031	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 8	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 439,445	479,482	397,194	464,880	431,809	435,110	2015 - hwh
		WVH 1,001	1,144	1,051	1,081	1,031	1,106	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 9	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 1,115,178	1,067,245	1,319,521	1,430,269	1,299,090	1,211,422	2015 - hwh
		WVH 2,208	1,074	2,387	2,633	2,284	2,238	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 10	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 77,067	52,803	49,181	48,567	51,728	49,231	2015 - hwh
		WVH 946	A 285	B 215	A 228	B 228	B 228	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 11	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH -	2,495,326	-	-	-	-	2015 - hwh
		WVH -	A 5,468	B -	A -	B -	B -	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 12	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 776,983	823,146	813,230	889,076	869,123	855,587	2015 - hwh
		WVH 1,835	2,960	1,880	2,177	1,825	2,096	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 13	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 127,697	105,587	196,476	150,077	151,145	117,285	2015 - hwh
		WVH 493	A 481	B 481	A 541	B 498	B 471	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 14	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 638,428	480,007	655,101	134,983	718,934	604,040	2015 - hwh
		WVH 2,181	1,074	2,280	2,176	2,175	2,163	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 15	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 182,209	141,582	182,506	174,791	181,189	154,153	2015 - hwh
		WVH 766	673	773	716	780	664	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 16	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH -	1,795,456	-	-	-	-	2015 - hwh
		WVH -	A 4,127	B -	A -	B -	B -	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 17	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 796,943	773,285	702,727	767,535	688,765	796,100	2015 - hwh
		WVH 1,326	1,464	1,296	1,462	1,242	1,500	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 18	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 810,246	895,796	1,427,190	796,220	1,526,324	1,621,522	2015 - hwh
		WVH 1,027	2,055	2,464	1,250	1,553	1,582	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 19	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 1,312	1,405	1,313	1,404	1,326	1,405	2015 - hwh
		WVH 2	A 4	B 2	A 2	B 4	B 4	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 20	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 1,197,218	1,084,521	1,122,807	1,179,304	1,081,241	1,128,363	2015 - hwh
		WVH 3,123	3,750	3,018	3,384	2,869	3,134	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 21	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 784,017	974,089	797,146	1,008,932	784,169	1,022,130	2015 - hwh
		WVH 2,114	2,491	2,487	2,582	2,112	2,912	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 22	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 358,435	334,755	171,496	133,681	164,995	130,592	2015 - hwh
		WVH 785	730	682	682	729	696	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 23	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 190,095	203,575	198,171	205,686	205,813	185,211	2015 - hwh
		WVH 803	813	813	813	806	810	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 24	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 191,221	162,890	205,758	168,874	205,873	154,322	2015 - hwh
		WVH 876	806	821	854	812	806	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 25	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 199,214	197,093	200,516	190,884	227,454	178,175	2015 - hwh
		WVH 1,075	978	1,117	1,007	1,135	1,014	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 26	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 677,211	630,334	686,333	630,812	700,483	551,486	2015 - hwh
		WVH 2,457	2,843	2,453	2,617	2,447	2,333	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 27	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 175,350	156,750	227,873	149,800	252,348	167,427	2015 - hwh
		WVH 534	526	667	667	927	791	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh
Customer 28	GENERAL SERVICE 50 TO 4 999 KW SERVICE CLASSIFICATION	WVH 1,414,750	1,517,362	1,471,349	1,486,177	1,480,139	1,715,295	2015 - hwh
		WVH 2,475	3,000	2,844	3,462	3,051	3,422	2015 - hwh
	Class A/B	A	A	B	A	B	B	2015 - hwh

3b Enter the number of customers who were Class A during the entire period since the Account 1589 GA balance accumulated (i.e. did not transition between Class A and B).

Class A Customers - Billing Determinants by Customer		2017	2018	2019
Customer	Rate Class			

Incentive Regulation Model for 2019 Filers

This tab allocates the GA balance to transition customers (i.e. Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed

2014

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2017	2016	2015
Total Non-RPP Class B Consumption for Years During Balance Accumulation (Non-RPP Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or full year)	A	253,487,691	60,483,426	64,321,333	128,682,932
Transition Customers' Class B Consumption (i.e. full year or partial year)	B	114,048,830	3,776,800	38,897,189	71,374,841
Transition Customers' Portion of Total Consumption	C=B/A	44.99%			

Allocation of Total GA Balance \$

Total GA Balance	D	\$	829,486
Transition Customers Portion of GA Balance	E=C*D	\$	373,201
GA Balance to be disposed to Current Class B Customers through Rate Rider	F=D-E	\$	456,285

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers	28							
Customer		Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2017	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2016	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2015	% of kWh	Customer Specific GA Allocation for the Period When They Were a Class B customer	Monthly Equal Payments
Customer 1		3,408,721	0	1,125,790	2,282,932	2.99%	\$ 11,154	\$ 930
Customer 2		21,752,566	0	7,684,338	14,068,228	19.07%	\$ 71,181	\$ 5,932
Customer 3		13,781,600	3,035,200	5,325,600	5,420,800	12.08%	\$ 45,097	\$ 3,758
Customer 4		25,602,080	0	8,497,597	17,104,483	22.45%	\$ 83,777	\$ 6,981
Customer 5		10,038,633	0	3,202,567	6,836,066	8.80%	\$ 32,849	\$ 2,737
Customer 6		3,156,600	741,600	1,278,000	1,137,000	2.77%	\$ 10,329	\$ 861
Customer 7		3,306,909	0	1,112,963	2,193,946	2.90%	\$ 10,821	\$ 902
Customer 8		1,259,613	0	397,194	862,419	1.10%	\$ 4,122	\$ 343
Customer 9		3,850,041	0	1,319,521	2,530,520	3.38%	\$ 12,598	\$ 1,050
Customer 10		144,151	0	43,191	100,959	0.13%	\$ 472	\$ 39
Customer 11		0	0	0	0	0.00%	\$ -	\$ -
Customer 12		2,537,930	0	813,220	1,724,710	2.23%	\$ 8,305	\$ 692
Customer 13		395,591	0	136,676	258,915	0.35%	\$ 1,294	\$ 108
Customer 14		1,978,084	0	655,101	1,322,983	1.73%	\$ 6,473	\$ 539
Customer 15		518,248	0	182,906	335,342	0.45%	\$ 1,696	\$ 141
Customer 16		0	0	0	0	0.00%	\$ -	\$ -
Customer 17		2,187,597	0	702,727	1,484,870	1.92%	\$ 7,158	\$ 597
Customer 18		4,475,004	0	1,327,160	3,147,845	3.92%	\$ 14,644	\$ 1,220
Customer 19		4,045	0	1,313	2,731	0.00%	\$ 13	\$ 1
Customer 20		3,342,415	0	1,122,807	2,219,608	2.93%	\$ 10,937	\$ 911
Customer 21		2,603,454	0	797,146	1,806,308	2.28%	\$ 8,519	\$ 710
Customer 22		467,183	0	171,596	295,587	0.41%	\$ 1,529	\$ 127
Customer 23		653,280	0	198,717	454,564	0.57%	\$ 2,138	\$ 178
Customer 24		595,963	0	205,768	390,195	0.52%	\$ 1,950	\$ 163
Customer 25		615,145	0	209,516	405,629	0.54%	\$ 2,013	\$ 168
Customer 26		1,938,321	0	686,353	1,251,969	1.70%	\$ 6,343	\$ 529
Customer 27		647,648	0	227,873	419,775	0.57%	\$ 2,119	\$ 177
Customer 28		4,788,008	0	1,471,549	3,316,458	4.20%	\$ 15,668	\$ 1,306
Total		114,048,830	3,776,800	38,897,189	71,374,841	100.00%	\$ 373,201	

Incentive Regulation Model for 2019 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable. Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

Default Rate Rider Recovery Period (in months)	12
Proposed Rate Rider Recovery Period (in months)	12

Rate Rider Recovery to be used below

	Total Metered Non-RPP 2017 Consumption excluding WMP	Total Metered 2017 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2017 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
	kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	7,298,027	0	0	7,298,027	13.7%	\$62,287	\$0.0085 kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	8,128,049	0	0	8,128,049	15.2%	\$69,371	\$0.0085 kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	109,740,596	0	73,512,748	36,227,848	67.8%	\$309,197	\$0.0085 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	2,493	0	0	2,493	0.0%	\$21	\$0.0084 kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	1,805,410	0	0	1,805,410	3.4%	\$15,409	\$0.0085 kWh
Total		126,974,575	0	73,512,748	53,461,827	100.0%	\$456,285	

Incentive Regulation Model for 2019 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Please enter the Year the Account 1580 CBR Class B was Last Disposed. Never Disposed (Note: Account 1580, Sub-account CBR Class B was established starting in 2015)

Allocation of total Consumption (kWh) between Class B and Class A/B Transition Customers

		Total	2017	2016	2015
Total Class B Consumption for Years During Balance Accumulation (Total Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or full year)	A	151,449,032	55,974,574	95,474,458	128,682,932
Transition Customers' Class B Consumption (i.e. full year or partial year)	B	42,673,989	3,776,800	38,897,189	1
Transition Customers' Portion of Total Consumption	C=B/A	28.18%	52,197,774	56,577,269	128,682,931

Allocation of Total CBR Class B Balance \$

Total CBR Class B Balance	D	\$	60,278
Transition Customers Portion of CBR Class B Balance	E=D*C	\$	16,984
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	F=D-E	\$	43,293

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		26							
Customer		Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2017	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2016	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2015	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer	Monthly Equal Payments	
Customer 1		1,125,790	-	1,125,790	2,282,932	2.64%	\$ 448	\$ 37	
Customer 2		7,684,338	-	7,684,338	14,068,228	18.01%	\$ 3,058	\$ 255	
Customer 3		8,360,800	3,035,200	5,325,600	5,420,800	19.59%	\$ 3,328	\$ 277	
Customer 4		8,497,597	-	8,497,597	17,104,483	19.91%	\$ 3,382	\$ 282	
Customer 5		3,202,567	-	3,202,567	6,836,066	7.50%	\$ 1,275	\$ 106	
Customer 6		2,019,600	741,600	1,278,000	1,137,000	4.73%	\$ 804	\$ 67	
Customer 7		1,112,963	-	1,112,963	2,193,946	2.61%	\$ 443	\$ 37	
Customer 8		397,194	-	397,194	862,419	0.93%	\$ 158	\$ 13	
Customer 9		1,319,521	-	1,319,521	2,530,520	3.09%	\$ 525	\$ 44	
Customer 10		43,191	-	43,191	100,959	0.10%	\$ 17	\$ 1	
Customer 12		813,220	-	813,220	1,724,710	1.91%	\$ 324	\$ 27	
Customer 13		136,676	-	136,676	258,915	0.32%	\$ 54	\$ 5	
Customer 14		655,101	-	655,101	1,322,983	1.54%	\$ 261	\$ 22	
Customer 15		182,906	-	182,906	335,342	0.43%	\$ 73	\$ 6	
Customer 17		702,727	-	702,727	1,484,870	1.65%	\$ 280	\$ 23	
Customer 18		1,327,160	-	1,327,160	3,147,845	3.11%	\$ 528	\$ 44	
Customer 19		1,313	-	1,313	2,731	0.00%	\$ 1	\$ 0	
Customer 20		1,122,807	-	1,122,807	2,219,608	2.63%	\$ 447	\$ 37	
Customer 21		797,146	-	797,146	1,806,308	1.87%	\$ 317	\$ 26	
Customer 22		171,596	-	171,596	295,587	0.40%	\$ 68	\$ 6	
Customer 23		198,717	-	198,717	454,564	0.47%	\$ 79	\$ 7	
Customer 24		205,768	-	205,768	390,195	0.48%	\$ 82	\$ 7	
Customer 25		209,516	-	209,516	405,629	0.49%	\$ 83	\$ 7	
Customer 26		686,353	-	686,353	1,251,969	1.61%	\$ 273	\$ 23	
Customer 27		227,873	-	227,873	419,775	0.53%	\$ 91	\$ 8	
Customer 28		1,471,549	-	1,471,549	3,316,458	3.45%	\$ 586	\$ 49	
Total		42,673,989	3,776,800	38,897,189	71,374,841	100.00%	\$ 16,984	\$ 1,415	

Incentive Regulation Model for 2019 Filers

The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

Please select the Year the Account 1580 CBR Class B was Last Disposed.

Never
Disposed

(Note: Account 1580, Sub-account CBR Class B was established starting in 2015)

	Total Metered 2017 Consumption Minus WMP		Total Metered 2017 Consumption for Class A customers that were Class A for the entire period CBR Class B balance accumulated		Total Metered 2017 Consumption for Customers that Transitioned Between Class A and B during the period CBR Class B balance accumulated		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit	
	kWh	kW	kWh	kW	kWh	kW	kWh	kW					
RESIDENTIAL SERVICE CLASSIFICATION	kWh	114,039,828	0	0	0	0	114,039,828	0	57.6%	\$24,934	\$0.0002	kWh	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	38,212,022	0	0	0	0	38,212,022	0	19.3%	\$8,355	\$0.0002	kWh	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	117,407,785	297,705	0	0	73,512,748	175,312	43,895,037	122,393	22.2%	\$9,597	\$0.0784	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	50,825	141	0	0	0	50,825	141	0.0%	\$11	\$0.0780	kW	
STREET LIGHTING SERVICE CLASSIFICATION	kWh	1,808,127	5,031	0	0	0	1,808,127	5,031	0.9%	\$395	\$0.0785	kW	
Total		271,518,587	302,877	0	0	73,512,748	175,312	198,005,839	127,565	100.0%	\$43,292		

Incentive Regulation Model for 2019 Filers

Input required at cells C13 and C14. This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	12	
DVA Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes ²	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) ²	Deferral/Variance Account Rate Rider ²	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) ²	Account 1568 Rate Rider	Revenue Reconcila
RESIDENTIAL SERVICE CLASSIFICATION	kWh	114,039,828	0	114,039,828	0	(789,554)		(0.0069)	0.0000	0.0002	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	38,212,022	0	38,212,022	0	(293,394)		(0.0077)	0.0000	0.0005	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	121,192,720	304,933	117,407,785	297,705	(399,136)	(1,097,674)	(1.3089)	(3.6871)	0.0446	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	50,825	141	50,825	141	(508)		(3.6019)	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,808,127	5,031	1,808,127	5,031	(22,934)		(4.5586)	0.0000	0.0119	
											(2,601,344.48)

¹ When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

² Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.



Incentive Regulation Model for 2019 Filers

Summary - Sharing of Tax Change Forecast Amounts

For the 2015 year, enter any Tax Credits from the Cost of Service Tax Calculation
(Positive #)

1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2015	2018
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)	29,311,377	\$ 29,311,377
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ 29,311,377	\$ 29,311,377
Rate		0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income	\$ 104,855	\$ 104,855
Corporate Tax Rate	26.50%	26.50%
Tax Impact	\$ 27,787	\$ 27,787
Grossed-up Tax Amount	\$ 37,805	\$ 37,805
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 37,805	\$ 37,805
Total Tax Related Amounts	\$ 37,805	\$ 37,805
Incremental Tax Savings		-\$ 0
Sharing of Tax Amount (50%)		-\$ 0

Incentive Regulation Model for 2019 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total		0	0	0				0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	114,039,828		0	0.00 S/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	38,212,022		0	0.0000 kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	121,192,720	304,933	0	0.0000 kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	50,825	141	0	0.0000 kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,808,127	5,031	0	0.0000 kW
Total		275,303,522	310,105	(\$0)	

Incentive Regulation Model for 2019 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked. If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	114,039,828	0	1.0393	118,521,593
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061	114,039,828	0	1.0393	118,521,593
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	38,212,022	0	1.0393	39,713,754
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057	38,212,022	0	1.0393	39,713,754
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.7220	121,192,720	304,933		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3169	121,192,720	304,933		
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7108	50,825	141		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4553	50,825	141		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.0989	1,808,127	5,031		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7864	1,808,127	5,031		

Incentive Regulation Model for 2019 Filers

Uniform Transmission Rates		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate		kW	\$ 3.66	\$ 3.61	\$ 3.61
Line Connection Service Rate		kW	\$ 0.87	\$ 0.95	\$ 0.95
Transformation Connection Service Rate		kW	\$ 2.02	\$ 2.34	\$ 2.34
Hydro One Sub-Transmission Rates		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate		kW	\$ 3.1942	\$ 3.1942	\$ 3.1942
Line Connection Service Rate		kW	\$ 0.7710	\$ 0.7710	\$ 0.7710
Transformation Connection Service Rate		kW	\$ 1.7493	\$ 1.7493	\$ 1.7493
Both Line and Transformation Connection Service Rate		kW	\$ 2.5203	\$ 2.5203	\$ 2.5203
If needed, add extra host here. (I)		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate		kW			
Line Connection Service Rate		kW			
Transformation Connection Service Rate		kW			
Both Line and Transformation Connection Service Rate		kW	\$ -	\$ -	\$ -
If needed, add extra host here. (II)		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate		kW			
Line Connection Service Rate		kW			
Transformation Connection Service Rate		kW			
Both Line and Transformation Connection Service Rate		kW	\$ -	\$ -	\$ -
Low Voltage Switchgear Credit (if applicable, enter as a negative value)		\$	Historical 2017	Current 2018	Forecast 2019

Incentive Regulation Model for 2019 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.

If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in orange, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO				Network			Line Connection			Transformation Connection			Total Connection	
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January				42,858	\$3.66	\$ 156,860	43,380	\$0.87	\$ 37,741	43,380	\$2.02	\$ 87,628	\$	125,368
February				41,381	\$3.66	\$ 151,454	41,381	\$0.87	\$ 36,001	41,381	\$2.02	\$ 83,590	\$	119,591
March				39,914	\$3.66	\$ 146,085	40,707	\$0.87	\$ 35,415	40,707	\$2.02	\$ 82,228	\$	117,643
April				37,249	\$3.66	\$ 136,331	37,249	\$0.87	\$ 32,407	37,249	\$2.02	\$ 75,243	\$	107,650
May				36,479	\$3.66	\$ 133,513	36,870	\$0.87	\$ 32,077	36,870	\$2.02	\$ 74,477	\$	106,554
June				48,873	\$3.66	\$ 178,875	51,278	\$0.87	\$ 44,612	51,278	\$2.02	\$ 103,582	\$	148,193
July				51,245	\$3.66	\$ 187,557	53,865	\$0.87	\$ 46,863	53,865	\$2.02	\$ 108,807	\$	155,670
August				50,840	\$3.66	\$ 186,074	53,133	\$0.87	\$ 46,226	53,133	\$2.02	\$ 107,329	\$	153,554
September				53,509	\$3.66	\$ 195,843	54,276	\$0.87	\$ 47,220	54,276	\$2.02	\$ 109,638	\$	156,858
October				38,949	\$3.66	\$ 142,553	38,949	\$0.87	\$ 33,886	38,949	\$2.02	\$ 78,677	\$	112,563
November				40,423	\$3.52	\$ 142,289	40,531	\$0.88	\$ 35,667	40,531	\$2.13	\$ 86,331	\$	121,998
December				44,171	\$3.52	\$ 155,482	44,867	\$0.88	\$ 39,483	44,867	\$2.13	\$ 95,567	\$	135,050
Total				525,891	\$ 3.64	\$ 1,912,918	536,486	\$ 0.87	\$ 467,597	536,486	\$ 2.04	\$ 1,093,096	\$	1,560,692

Hydro One				Network			Line Connection			Transformation Connection			Total Connection	
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January					\$0.0000			\$0.0000			\$0.0000		\$	-
February					\$0.0000			\$0.0000			\$0.0000		\$	-
March					\$0.0000			\$0.0000			\$0.0000		\$	-
April					\$0.0000			\$0.0000			\$0.0000		\$	-
May					\$0.0000			\$0.0000			\$0.0000		\$	-
June					\$0.0000			\$0.0000			\$0.0000		\$	-
July					\$0.0000			\$0.0000			\$0.0000		\$	-
August					\$0.0000			\$0.0000			\$0.0000		\$	-
September					\$0.0000			\$0.0000			\$0.0000		\$	-
October					\$0.0000			\$0.0000			\$0.0000		\$	-
November					\$0.0000			\$0.0000			\$0.0000		\$	-
December					\$0.0000			\$0.0000			\$0.0000		\$	-
Total				-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -

Add Extra Host Here (I)				Network			Line Connection			Transformation Connection			Total Connection	
(if needed)				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January					\$ -			\$ -			\$ -		\$	-
February					\$ -			\$ -			\$ -		\$	-
March					\$ -			\$ -			\$ -		\$	-
April					\$ -			\$ -			\$ -		\$	-
May					\$ -			\$ -			\$ -		\$	-
June					\$ -			\$ -			\$ -		\$	-
July					\$ -			\$ -			\$ -		\$	-
August					\$ -			\$ -			\$ -		\$	-
September					\$ -			\$ -			\$ -		\$	-
October					\$ -			\$ -			\$ -		\$	-
November					\$ -			\$ -			\$ -		\$	-
December					\$ -			\$ -			\$ -		\$	-
Total				-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -

Add Extra Host Here (II)				Network			Line Connection			Transformation Connection			Total Connection	
(if needed)				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January					\$ -			\$ -			\$ -		\$	-
February					\$ -			\$ -			\$ -		\$	-
March					\$ -			\$ -			\$ -		\$	-
April					\$ -			\$ -			\$ -		\$	-
May					\$ -			\$ -			\$ -		\$	-
June					\$ -			\$ -			\$ -		\$	-
July					\$ -			\$ -			\$ -		\$	-
August					\$ -			\$ -			\$ -		\$	-
September					\$ -			\$ -			\$ -		\$	-
October					\$ -			\$ -			\$ -		\$	-
November					\$ -			\$ -			\$ -		\$	-
December					\$ -			\$ -			\$ -		\$	-
Total				-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -

Total				Network			Line Connection			Transformation Connection			Total Connection	
Month				Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January				42,858	\$ 3.6600	\$ 156,860	43,380	\$ 0.8700	\$ 37,741	43,380	\$ 2.0200	\$ 87,628	\$	125,368
February				41,381	\$ 3.6600	\$ 151,454	41,381	\$ 0.8700	\$ 36,001	41,381	\$ 2.0200	\$ 83,590	\$	119,591
March				39,914	\$ 3.6600	\$ 146,085	40,707	\$ 0.8700	\$ 35,415	40,707	\$ 2.0200	\$ 82,228	\$	117,643
April				37,249	\$ 3.6600	\$ 136,331	37,249	\$ 0.8700	\$ 32,407	37,249	\$ 2.0200	\$ 75,243	\$	107,650
May				36,479	\$ 3.6600	\$ 133,513	36,870	\$ 0.8700	\$ 32,077	36,870	\$ 2.0200	\$ 74,477	\$	106,554
June				48,873	\$ 3.6600	\$ 178,875	51,278	\$ 0.8700	\$ 44,612	51,278	\$ 2.0200	\$ 103,582	\$	148,193
July				51,245	\$ 3.6600	\$ 187,557	53,865	\$ 0.8700	\$ 46,863	53,865	\$ 2.0200	\$ 108,807	\$	155,670
August				50,840	\$ 3.6600	\$ 186,074	53,133	\$ 0.8700	\$ 46,226	53,133	\$ 2.0200	\$ 107,329	\$	153,554
September				53,509	\$ 3.6600	\$ 195,843	54,276	\$ 0.8700	\$ 47,220	54,276	\$ 2.0200	\$ 109,638	\$	156,858
October				38,949	\$ 3.6600	\$ 142,553	38,949	\$ 0.8700	\$ 33,886	38,949	\$ 2.0200	\$ 78,677	\$	112,563
November				40,423	\$ 3.5200	\$ 142,289	40,531	\$ 0.8800	\$ 35,667	40,531	\$ 2.1300	\$ 86,331	\$	121,998
December				44,171	\$ 3.5200	\$ 155,482	44,867	\$ 0.8800	\$ 39,483	44,867	\$ 2.1300	\$ 95,567	\$	135,050
Total				525,891	\$ 3.64	\$ 1,912,918	536,486	\$ 0.87	\$ 467,597	536,486	\$ 2.04	\$ 1,093,096	\$	1,560,692

Low Voltage Switchgear Credit (if applicable)																\$ -	
Total including deduction for Low Voltage Switchgear Credit																\$ 1,560,692	

Incentive Regulation Model for 2019 Filers

The purpose of this sheet is to calculate the expected billing when current 2018 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,858	\$ 3.6100	\$ 154,717	43,380	\$ 0.9500	\$ 41,211	43,380	\$ 2.3400	\$ 101,509	\$ 142,720
February	41,381	\$ 3.6100	\$ 149,385	41,381	\$ 0.9500	\$ 39,312	41,381	\$ 2.3400	\$ 96,832	\$ 136,143
March	39,914	\$ 3.6100	\$ 144,090	40,707	\$ 0.9500	\$ 38,672	40,707	\$ 2.3400	\$ 95,254	\$ 133,926
April	37,249	\$ 3.6100	\$ 134,469	37,249	\$ 0.9500	\$ 35,387	37,249	\$ 2.3400	\$ 87,163	\$ 122,549
May	36,479	\$ 3.6100	\$ 131,689	36,870	\$ 0.9500	\$ 35,027	36,870	\$ 2.3400	\$ 86,276	\$ 121,302
June	48,873	\$ 3.6100	\$ 176,432	51,278	\$ 0.9500	\$ 48,714	51,278	\$ 2.3400	\$ 119,991	\$ 168,705
July	51,245	\$ 3.6100	\$ 184,994	53,865	\$ 0.9500	\$ 51,172	53,865	\$ 2.3400	\$ 126,044	\$ 177,216
August	50,840	\$ 3.6100	\$ 183,532	53,133	\$ 0.9500	\$ 50,476	53,133	\$ 2.3400	\$ 124,331	\$ 174,808
September	53,509	\$ 3.6100	\$ 193,167	54,276	\$ 0.9500	\$ 51,562	54,276	\$ 2.3400	\$ 127,006	\$ 178,568
October	38,949	\$ 3.6100	\$ 140,606	38,949	\$ 0.9500	\$ 37,002	38,949	\$ 2.3400	\$ 91,141	\$ 128,142
November	40,423	\$ 3.6100	\$ 145,927	40,531	\$ 0.9500	\$ 38,504	40,531	\$ 2.3400	\$ 94,843	\$ 133,347
December	44,171	\$ 3.6100	\$ 159,457	44,867	\$ 0.9500	\$ 42,624	44,867	\$ 2.3400	\$ 104,989	\$ 147,612
Total	525,891	\$ 3.61	\$ 1,898,467	536,486	\$ 0.95	\$ 509,662	536,486	\$ 2.34	\$ 1,255,377	\$ 1,765,039

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
February	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
March	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
April	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
May	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
June	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
July	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
August	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
September	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
October	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
November	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
December	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,858	\$ 3.6100	\$ 154,717	43,380	\$ 0.9500	\$ 41,211	43,380	\$ 2.3400	\$ 101,509	\$ 142,720
February	41,381	\$ 3.6100	\$ 149,385	41,381	\$ 0.9500	\$ 39,312	41,381	\$ 2.3400	\$ 96,832	\$ 136,143
March	39,914	\$ 3.6100	\$ 144,090	40,707	\$ 0.9500	\$ 38,672	40,707	\$ 2.3400	\$ 95,254	\$ 133,926
April	37,249	\$ 3.6100	\$ 134,469	37,249	\$ 0.9500	\$ 35,387	37,249	\$ 2.3400	\$ 87,163	\$ 122,549
May	36,479	\$ 3.6100	\$ 131,689	36,870	\$ 0.9500	\$ 35,027	36,870	\$ 2.3400	\$ 86,276	\$ 121,302
June	48,873	\$ 3.6100	\$ 176,432	51,278	\$ 0.9500	\$ 48,714	51,278	\$ 2.3400	\$ 119,991	\$ 168,705
July	51,245	\$ 3.6100	\$ 184,994	53,865	\$ 0.9500	\$ 51,172	53,865	\$ 2.3400	\$ 126,044	\$ 177,216
August	50,840	\$ 3.6100	\$ 183,532	53,133	\$ 0.9500	\$ 50,476	53,133	\$ 2.3400	\$ 124,331	\$ 174,808
September	53,509	\$ 3.6100	\$ 193,167	54,276	\$ 0.9500	\$ 51,562	54,276	\$ 2.3400	\$ 127,006	\$ 178,568
October	38,949	\$ 3.6100	\$ 140,606	38,949	\$ 0.9500	\$ 37,002	38,949	\$ 2.3400	\$ 91,141	\$ 128,142
November	40,423	\$ 3.6100	\$ 145,927	40,531	\$ 0.9500	\$ 38,504	40,531	\$ 2.3400	\$ 94,843	\$ 133,347
December	44,171	\$ 3.6100	\$ 159,457	44,867	\$ 0.9500	\$ 42,624	44,867	\$ 2.3400	\$ 104,989	\$ 147,612
Total	525,891	\$ 3.61	\$ 1,898,467	536,486	\$ 0.95	\$ 509,662	536,486	\$ 2.34	\$ 1,255,377	\$ 1,765,039

Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										<u>\$ 1,765,039</u>

Incentive Regulation Model for 2019 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,858	\$ 3,6100	\$ 154,717	43,380	\$ 0.9500	\$ 41,211	43,380	\$ 2.3400	\$ 101,509	\$ 142,720
February	41,381	\$ 3,6100	\$ 149,385	41,381	\$ 0.9500	\$ 39,312	41,381	\$ 2.3400	\$ 96,832	\$ 136,143
March	39,914	\$ 3,6100	\$ 144,090	40,707	\$ 0.9500	\$ 38,672	40,707	\$ 2.3400	\$ 95,254	\$ 133,926
April	37,249	\$ 3,6100	\$ 134,469	37,249	\$ 0.9500	\$ 35,387	37,249	\$ 2.3400	\$ 87,163	\$ 122,549
May	36,479	\$ 3,6100	\$ 131,689	36,870	\$ 0.9500	\$ 35,027	36,870	\$ 2.3400	\$ 86,276	\$ 121,302
June	48,873	\$ 3,6100	\$ 176,432	51,278	\$ 0.9500	\$ 48,714	51,278	\$ 2.3400	\$ 119,991	\$ 168,705
July	51,245	\$ 3,6100	\$ 184,994	53,865	\$ 0.9500	\$ 51,172	53,865	\$ 2.3400	\$ 126,044	\$ 177,216
August	50,840	\$ 3,6100	\$ 183,532	53,133	\$ 0.9500	\$ 50,476	53,133	\$ 2.3400	\$ 124,331	\$ 174,808
September	53,509	\$ 3,6100	\$ 193,167	54,276	\$ 0.9500	\$ 51,562	54,276	\$ 2.3400	\$ 127,006	\$ 178,568
October	38,949	\$ 3,6100	\$ 140,606	38,949	\$ 0.9500	\$ 37,002	38,949	\$ 2.3400	\$ 91,141	\$ 128,142
November	40,423	\$ 3,6100	\$ 145,927	40,531	\$ 0.9500	\$ 38,504	40,531	\$ 2.3400	\$ 94,843	\$ 133,347
December	44,171	\$ 3,6100	\$ 159,457	44,867	\$ 0.9500	\$ 42,624	44,867	\$ 2.3400	\$ 104,989	\$ 147,612
Total	525,891	\$ 3.61	\$ 1,898,467	536,486	\$ 0.95	\$ 509,662	536,486	\$ 2.34	\$ 1,255,377	\$ 1,765,039

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
February	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
March	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
April	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
May	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
June	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
July	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
August	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
September	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
October	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
November	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
December	-	\$ 3,1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,858	\$ 3.61	\$ 154,717	43,380	\$ 0.95	\$ 41,211	43,380	\$ 2.34	\$ 101,509	\$ 142,720
February	41,381	\$ 3.61	\$ 149,385	41,381	\$ 0.95	\$ 39,312	41,381	\$ 2.34	\$ 96,832	\$ 136,143
March	39,914	\$ 3.61	\$ 144,090	40,707	\$ 0.95	\$ 38,672	40,707	\$ 2.34	\$ 95,254	\$ 133,926
April	37,249	\$ 3.61	\$ 134,469	37,249	\$ 0.95	\$ 35,387	37,249	\$ 2.34	\$ 87,163	\$ 122,549
May	36,479	\$ 3.61	\$ 131,689	36,870	\$ 0.95	\$ 35,027	36,870	\$ 2.34	\$ 86,276	\$ 121,302
June	48,873	\$ 3.61	\$ 176,432	51,278	\$ 0.95	\$ 48,714	51,278	\$ 2.34	\$ 119,991	\$ 168,705
July	51,245	\$ 3.61	\$ 184,994	53,865	\$ 0.95	\$ 51,172	53,865	\$ 2.34	\$ 126,044	\$ 177,216
August	50,840	\$ 3.61	\$ 183,532	53,133	\$ 0.95	\$ 50,476	53,133	\$ 2.34	\$ 124,331	\$ 174,808
September	53,509	\$ 3.61	\$ 193,167	54,276	\$ 0.95	\$ 51,562	54,276	\$ 2.34	\$ 127,006	\$ 178,568
October	38,949	\$ 3.61	\$ 140,606	38,949	\$ 0.95	\$ 37,002	38,949	\$ 2.34	\$ 91,141	\$ 128,142
November	40,423	\$ 3.61	\$ 145,927	40,531	\$ 0.95	\$ 38,504	40,531	\$ 2.34	\$ 94,843	\$ 133,347
December	44,171	\$ 3.61	\$ 159,457	44,867	\$ 0.95	\$ 42,624	44,867	\$ 2.34	\$ 104,989	\$ 147,612
Total	525,891	\$ 3.61	\$ 1,898,467	536,486	\$ 0.95	\$ 509,662	536,486	\$ 2.34	\$ 1,255,377	\$ 1,765,039

Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										\$ 1,765,039

Incentive Regulation Model for 2019 Filers

The purpose of this table is to re-align the current RTS Network Rates to recover current wholesale network costs.

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	118,521,593	0	805,947	42.0%	798,226	0.0067
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	39,713,754	0	270,054	14.1%	267,467	0.0067
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.7220		304,933	830,028	43.3%	822,076	2.6959
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7108		141	241	0.0%	239	1.6944
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.0989		5,031	10,560	0.6%	10,458	2.0788

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061	118,521,593	0	722,982	43.4%	766,402	0.0065
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057	39,713,754	0	226,368	13.6%	239,963	0.0060
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3169		304,933	706,499	42.4%	748,929	2.4560
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4553		141	205	0.0%	218	1.5427
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7864		5,031	8,987	0.5%	9,527	1.8937

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067	118,521,593	0	798,226	42.0%	798,226	0.0067
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067	39,713,754	0	267,467	14.1%	267,467	0.0067
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6959		304,933	822,076	43.3%	822,076	2.6959
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.6944		141	239	0.0%	239	1.6944
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.0788		5,031	10,458	0.6%	10,458	2.0788

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0065	118,521,593	0	766,402	43.4%	766,402	0.0065
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060	39,713,754	0	239,963	13.6%	239,963	0.0060
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.4560		304,933	748,929	42.4%	748,929	2.4560
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5427		141	218	0.0%	218	1.5427
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8937		5,031	9,527	0.5%	9,527	1.8937



Incentive Regulation Model for 2019 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	1.20%	Productivity Factor	0.00%	# of Residential Customers (approved in the last CoS)	15,120	Effective Year of Residential Rate Design Transition (yyyy)	2016
Choose Stretch Factor Group	III	Price Cap Index	0.90%	Billed kWh for Residential Class (approved in the last CoS)	120,603,908	OEB-approved # of Transition Years	4
Associated Stretch Factor Value	0.30%						
				Rate Design Transition Years Left	1		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge		
RESIDENTIAL SERVICE CLASSIFICATION	23.54		0.0043		0.90%	26.64	0.0000		
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	24.22		0.0165		0.90%	24.44	0.0166		
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	75.46		3.6125		0.90%	76.14	3.6450		
SENTINEL LIGHTING SERVICE CLASSIFICATION	4.88		5.9077		0.90%	4.92	5.9609		
STREET LIGHTING SERVICE CLASSIFICATION	3.73		0.0364		0.90%	3.76	0.0367		
microFIT SERVICE CLASSIFICATION	10					10			
		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates ¹	Revenue at New F/V Split	
Rate Design Transition									
Current Residential Fixed Rate (inclusive of R/C adj.)		23.5400	4,271,098	89.2%	10.8%	2.86	100.0%	26.40	4,790,016
Current Residential Variable Rate (inclusive of R/C adj.)		0.0043	518,597	10.8%			0.0%	0.0000	0
			4,789,694						4,790,016

¹ These are the residential rates to which the Price Cap Index will be applied to. Wheeling Service Rate will be adjusted for PCI on Sheet 19.

Incentive Regulation Model for 2019 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges		Proposed
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Time-of-Use RPP Prices

As of	May 1, 2018	
Off-Peak	\$/kWh	0.0650
Mid-Peak	\$/kWh	0.0940
On-Peak	\$/kWh	0.1320

Debt Retirement Charge (DRC)

Debt Retirement Charge (DRC)	\$/kWh	0.0000
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Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	\$	0.57
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ATTACHMENT C

Entegrus-St. Thomas IESO Settlement Process

THE ENTEGRUS-ST. THOMAS DISTRIBUTION SYSTEM

The Entegrus-St. Thomas distribution system is directly connected to the Hydro One Networks Inc. (“HONI”) transmission system in its entirety. Accordingly, Entegrus-St. Thomas settles only with the IESO.

THE IESO SETTLEMENT PROCESS

On a monthly basis, an invoice is received from the IESO, which provides an amount payable/receivable to/from the IESO to settle for the previous month. The settlement figures are communicated to the IESO via its online portal on, or before, the fourth business day of the month. This process exists to ensure appropriate settlement for the various government-mandated rates/plans/programs.

Programs are categorized under specific charge types delineated on the IESO invoice, which arrives mid-month. The key charges types are summarized as follows:

- The Regulated Price Plan (RPP) – charge type 1142
- Global Adjustment (GA) – charge type 147 and 148
- Feed-In-Tariff (FIT) Program – charge type 1412
- Ontario Electricity Support Program (OESP) – charge type 1420 & 1470
- Global Adjustment Modifier for Non-RPP Customers – charge type 1143
- Ontario Rebate for Electricity Consumers – charge type 9982

A further explanation of each component of this settlement process is provided below.

REGULATED PRICE PLAN SETTLEMENT AMOUNT

The difference between Regulated Price Plan (“RPP”) rates applied to RPP customers and the sum of the corresponding customer consumption is multiplied by the Hourly Ontario Energy Price (“HOEP”) and Global Adjustment (“GA”) in the IESO Form (formerly 1598) and is submitted to the IESO each month.

RPP customer consumption is based on metered consumption for the calendar month. The current period RPP rates, HOEP and Class B 2nd GA rates are then applied to calculate the RPP Settlement Amount. The amount settled with the IESO is the difference between the sum of the HOEP and GA calculation minus the billed RPP commodity (at the applicable TOU or tier pricing.)

Upon the completion of all RPP customer billing cycles, a reconciliation is prepared comparing estimated consumption and actual metered consumption. Further, the HOEP and GA rates are updated to Actual. Any additional variances are identified and submitted to the IESO. Due to cycle billing, this reconciliation process typically happens within three months of the actual customer consumption.

The accounting adjustment required for Account 1588 and Account 1589 is calculated by first determining the GA pertaining to RPP usage. To determine adjusted Power (including GA), all Commodity and GA charges from all sources are aggregated and then the GA charges related to Non-RPP customers are deducted. The remaining amount is reclassified from Account 1589 to Account 1588.

The RPP eligibility for Residential and Small Business (General Service < 50 kW) customers is determined by performing annual customer reclassification based on annual consumption.

Starting in 2017, the calculation of the required December RPP / GA true-up commenced being booked once all volumes and prices were definitively known in the first quarter of the following year (prior to closing the fiscal year.) This removes the risk of estimation error for year-end accrual accounting purposes. This approach is consistent with the Board guidance contained in its letter dated May 23, 2017.

INTERNAL CONTROL PROCESS

On a monthly basis, the Accounting Clerk prepares the IESO settlement submissions and associated accounting, which is then reviewed and approved by the Manager of Finance.

Monthly GA reasonability procedures and analytics are performed by the Manager of Finance., including the analysis of billed versus actual GA rates at the calculated Non-RPP consumption in comparison to monthly DVA account activity. Any material differences are investigated and reviewed.

At month end, financial statements, including DVA balances are reviewed by the COO (the former CFO). On an annual basis, an external audit firm conducts an audit of the former St. Thomas Energy financial statements, which is inclusive of all DVA balances.

THE GLOBAL ADJUSTMENT SETTLEMENT PROCESS

On a monthly basis, each LDC must settle with the IESO for GA. GA is applicable to all provincial customers who pay the Hourly Ontario Energy Price (“HOEP”) or have signed a retail contract.

The GA varies from month to month and is applicable to two customer classes:

CLASS A CUSTOMERS

Class A customers were originally defined as customers with a peak demand of 5 MW or more. However, on July 1, 2015 Class A eligibility was expanded under the Industrial Conservation Initiative (“ICI”) to allow customers with a peak demand greater than 3 MW, but less than or equal to 5 MW, to opt into this category. Conversely, customers with a peak demand of 5 MW or more may opt into Class B. On July 1, 2017, consistent with the Fair Hydro Plan, the eligible peak demand for the ICI was reduced from 3MW to 1MW (and for smaller manufacturers and greenhouses with a peak demand between 500 kW and 1 MW).

The GA for Class A customers is based on their percentage contribution to the top five peak Ontario demand hours. Hence, the ICI is designed to encourage these users to shift their energy use away from system-wide peaks. The IESO monthly GA Class A charges are passed on directly to each Class A

customer. Accordingly, Class A customers do not contribute to the creation of Account 1589 variances and are excluded from disposition calculation.

Prior to July 1, 2017, St. Thomas did not have any customers eligible for Class A. In 2017, driven by the Fair Hydro Plan change to the ICI threshold, St. Thomas added 6 Class A customers effective July 1, 2017.

The St. Thomas peak demand factor for July 1, 2017 to June 30, 2018 was 0.00028578.

CLASS B CUSTOMERS

Class B customers include: (a) customers with a peak demand below 1MW (or who have opted into this category) and (b) residential and business customers who have a retail contract for electricity.

For Class B customers, the IESO provides three variations of GA (1st Estimate, 2nd Estimate and Actual) which can be used by distributors to bill customers.

Until June 30, 2016, all Class B customers were billed using the 1st Estimate Variation, including Residential, GS < 50kW, GS > 50kW-4,999 kW, Sentinel Light and Street Light customers.

Effective July 1, 2016, GS>50kW-4,999kW customers commenced being billed on Actual GA rates.

FEED-IN-TARIFF PROGRAM SETTLEMENT AMOUNT

General ledger accounts are maintained to track the amount credited to FIT or microFIT customers at the applicable contract price during the month, as well as a separate account that tracks the value of the electricity commodity which has flowed into the distribution system from FIT and microFIT generators (found by multiplying the corresponding kWh generated by HOEP for the applicable billing period).

Settlement with the IESO is based on the difference between the credits issued to customers and the value of the electricity commodity which has been generated and sold into the St. Thomas distribution system.

ONTARIO ELECTRICITY SUPPORT PROGRAM (“OESP”)

The value of OESP credits applied to qualified low-income customer accounts is determined based on the corresponding general ledger activity during the month. This general ledger activity is generated from the CIS system, based on stat codes which are mapped to the appropriate general ledger accounts for each OESP Class or tariff code, as well as adjustments. The IESO settles for the OESP credits issued under IESO charge type 1420.

GLOBAL ADJUSTMENT MODIFIER

The value of the GA Modifier to qualified accounts is determined from the corresponding general ledger activity during the month. This general ledger activity is generated from the CIS system, based on stat codes which are mapped to the GA Modifier general ledger account, and which is reconciled on a quarterly basis. The IESO settles for the GA Modifier credits issued under IESO charge type 1143.

ONTARIO REBATE FOR ELECTRICITY CONSUMERS

The value of the Ontario Rebate for Electricity Consumers (“OREC”) to qualified accounts is determined from the corresponding general ledger activity during the month. This general ledger activity is generated from the CIS system, based on stat codes which are mapped to the OREC general ledger, and which is reconciled on a quarterly basis. The IESO settles for the OREC amounts issued under IESO charge type 9982.

ATTACHMENT D

GA Analysis Workform

Issued July 12, 2018



Ontario Energy Board

GA Analysis Workform

Version 1.0

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells

Drop down cells

Utility Name **ST. THOMAS ENERGY INC.**

Note 1 **Year(s) Requested for Disposition**

☐ 2014

☒ 2015

☒ 2016

☒ 2017

Note 7 **Summary of GA (if multiple years requested for disposition)**

Year	Annual Net Change in Expected GA Balance from GA Analysis (cell K51)	Net Change in Principal Balance in the GL (cell C62)	Reconciling Items (sum of cells C63 to C75)	Adjusted Net Change in Principal Balance in the GL (cell C76)	Unresolved Difference	\$ Consumption at Actual Rate Paid (cell J51)	Unresolved Difference as % of Expected GA Payments to IESO
2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
2015	\$ 238,086	\$ 2,042,100	\$ 1,829,643	\$ 212,457	\$ 25,629	\$ 10,460,629	-0.2%
2016	\$ 14,902	\$ 1,291,251	\$ 1,327,080	\$ 35,829	\$ 20,927	\$ 13,032,408	0.2%
2017	\$ 208,987	\$ 99,668	\$ 167,180	\$ 266,848	\$ 57,862	\$ 10,793,862	0.5%
Cumulative Balance	\$ 461,975	\$ 850,517	\$ 335,383	\$ 515,134	\$ 53,159	\$ 34,286,898	N/A

GA Analysis Workform

Note 2 Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)

Year		2015		
Total Metered excluding WMP	C = A+B	266,419,362	kWh	100%
RPP	A	137,736,430	kWh	51.7%
Non RPP	B = D+E	128,682,932	kWh	48.3%
Non-RPP Class A	D	-	kWh	0.0%
Non-RPP Class B*	E	128,682,932	kWh	48.3%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below.
The difference should be equal to the loss factor.

Note 3 GA Billing Rate

GA is billed on the

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any paticular month ☒

Note 4 Analysis of Expected GA Amount

Year	2015								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	11,176,671	11,629,547	11,629,547	11,176,671	0.05549	\$ 620,193	0.05068	\$ 566,434	\$ 53,760
February	11,973,876	11,629,547	11,629,547	11,973,876	0.06981	\$ 835,896	0.03961	\$ 474,285	\$ 361,611
March	11,580,115	11,629,547	11,629,547	11,580,115	0.03604	\$ 417,347	0.06290	\$ 728,389	\$ 311,042
April	11,341,719	11,629,547	11,629,547	11,341,719	0.06705	\$ 760,462	0.09559	\$ 1,084,155	\$ 323,693
May	10,702,326	11,629,547	11,629,547	10,702,326	0.09416	\$ 1,007,731	0.09668	\$ 1,034,701	\$ 26,970
June	10,806,005	11,629,547	11,629,547	10,806,005	0.09228	\$ 997,178	0.09540	\$ 1,030,893	\$ 33,715
July	10,091,108	11,629,547	11,629,547	10,091,108	0.08888	\$ 896,898	0.07883	\$ 795,482	\$ 101,416
August	11,365,596	11,629,547	11,629,547	11,365,596	0.08805	\$ 1,000,741	0.08010	\$ 910,384	\$ 90,356
September	11,784,870	11,629,547	11,629,547	11,784,870	0.08270	\$ 974,609	0.06703	\$ 789,940	\$ 184,669
October	11,455,597	11,629,547	11,629,547	11,455,597	0.06371	\$ 729,836	0.07544	\$ 864,210	\$ 134,374
November	10,840,670	11,629,547	11,629,547	10,840,670	0.07623	\$ 826,384	0.11320	\$ 1,227,164	\$ 400,780
December	8,537,211	11,629,547	13,171,436	10,079,100	0.11462	\$ 1,155,266	0.09471	\$ 954,592	\$ 200,675
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	131,655,764	139,554,564	141,096,453	133,197,653		\$ 10,222,542		\$ 10,460,629	\$ 238,086

Calculated Loss Factor

1.0351

Note 5 Reconciling Items

	Item	Amount	Explanation
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 2,042,100	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ -	No material impacts were noted
1b	True-up of GA Charges based on Actual Non-RPP Volumes - current year	-\$ 57,067	The 2015 reclassification entry was the result of a change in estimated RPP GA consumption. As this work was completed in 2017, it was recorded in 2017.
2a	Remove prior year end unbilled to actual revenue differences		
2b	Add current year end unbilled to actual revenue differences		
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers	\$ 668	Balance reflects 2014 Long Term Load Transfer ("LTLT") amounts booked in 2015. These amounts had not been accrued for in 2015.
3b	Add difference between current year accrual/forecast to actual from long term load transfers	\$ 79	Balance reflects 2015 Long Term Load Transfer ("LTLT") amounts booked in 2016. These amounts had not been accrued for in 2015.
4	Remove GA balances pertaining to Class A customers		
5	Significant prior period billing adjustments recorded in current year		
6	Differences in GA IESO posted rate and rate charged on IESO invoice		
7	Differences in actual system losses and billed TLFs		
8	Others as justified by distributor		
9	IESO 2015 payable due to the change in RPP consumption booked in subsequent year		
10	Reclassification entry	-\$ 1,773,323	This adjustment is related to a 2015 reclassification entry, audited by Board Staff, booked in 2016 between RSAV

Note 6 Adjusted Net Change in Principal Balance in the GL	\$ 212,457
Net Change in Expected GA Balance in the Year Per Analysis	\$ 238,086
Unresolved Difference	-\$ 25,629
Unresolved Difference as % of Expected GA Payments to IESO	-0.2%

GA Analysis Workform

Note 2 Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)

Year		2016		
Total Metered excluding WMP	C = A+B	276,311,028	kWh	100%
RPP	A	147,262,245	kWh	53.3%
Non RPP	B = D+E	129,048,783	kWh	46.7%
Non-RPP Class A	D	-	kWh	0.0%
Non-RPP Class B*	E	129,048,783	kWh	46.7%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 GA Billing Rate

GA is billed on the 1st Estimate

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any paticular month ☒

Note 4 Analysis of Expected GA Amount

Year	2016									
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)	
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K	
January	12,331,414	13,171,436	13,171,436	12,331,414	0.08423	\$ 1,038,675	0.09179	\$ 1,131,901	\$ 93,226	
February	11,492,338	13,171,436	13,171,436	11,492,338	0.10384	\$ 1,193,364	0.09851	\$ 1,132,110	\$ 61,254	
March	11,403,434	13,171,436	13,171,436	11,403,434	0.09022	\$ 1,028,818	0.10610	\$ 1,209,904	\$ 181,086	
April	11,147,453	13,171,436	13,171,436	11,147,453	0.12115	\$ 1,350,514	0.11132	\$ 1,240,934	\$ 109,579	
May	10,460,412	13,171,436	13,171,436	10,460,412	0.10405	\$ 1,088,406	0.10749	\$ 1,124,390	\$ 35,984	
June	10,539,460	13,171,436	13,171,436	10,539,460	0.11650	\$ 1,227,847	0.09545	\$ 1,005,991	\$ 221,856	
July	11,240,363	13,171,436	13,171,436	11,240,363	0.07667	\$ 861,799	0.09306	\$ 933,625	\$ 71,826	
August	11,669,820	13,171,436	13,171,436	11,669,820	0.08569	\$ 999,987	0.07103	\$ 828,907	\$ 171,080	
September	12,474,212	13,171,436	13,171,436	12,474,212	0.07060	\$ 880,679	0.09531	\$ 1,188,917	\$ 308,238	
October	11,568,293	13,171,436	13,171,436	11,568,293	0.09720	\$ 1,124,438	0.11226	\$ 1,298,657	\$ 174,219	
November	10,741,728	13,171,436	13,171,436	10,741,728	0.12271	\$ 1,318,117	0.11109	\$ 1,193,299	\$ 124,818	
December	10,615,121	13,171,436	11,097,574	8,541,259	0.10594	\$ 904,861	0.08708	\$ 743,773	\$ 161,088	
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	135,684,049	158,057,231	155,983,369	133,610,187		\$ 13,017,506		\$ 13,032,408	\$ 14,902	

Calculated Loss Factor

1.0353

Note 5 Reconciling Items

	Item	Amount	Explanation
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	-\$ 1,291,251	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 57,067	RPP True up amounts related to 2015 booked in 2016.
1b	True-up of GA Charges based on Actual Non-RPP Volumes - current year	-\$ 472,498	RPP True up amounts related to 2016 booked in 2017.
2a	Remove prior year end unbilled to actual revenue differences		
2b	Add current year end unbilled to actual revenue differences		
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers	-\$ 79	Balance reflects 2015 Long Term Load Transfer ("LTLT") amounts booked in 2016. These amounts had not been accrued for in 2015.
3b	Add difference between current year accrual/forecast to actual from long term load transfers	\$ -	
4	Remove GA balances pertaining to Class A customers		
5	Significant prior period billing adjustments recorded in current year		
6	Differences in GA IESO posted rate and rate charged on IESO invoice		
7	Differences in actual system losses and billed TLFs		
8	Others as justified by distributor		
9	Interval customers that were billed on final GA rate effective July 1, 2016. Model assumed all billing was done on the first estimate	-\$ 30,733	Effective July 1, 2016, the former St. Thomas Energy commenced billing interval customers at the IESO GA Actual rate for the full period of 2017 (rather the IESO GA 1st Estimate rate shown above, which was applied to all other Class B accounts). Amount was calculated based on billed interval consumption multiplied by the difference between
10	Reclassification entry	\$ 1,773,323	This is the reversal of a 2015 reclassification entry, audited by Board Staff, booked in 2016 between RSVA Global

Note 6 Adjusted Net Change in Principal Balance in the GL	\$	35,829
Net Change in Expected GA Balance in the Year Per Analysis	\$	14,902
Unresolved Difference	\$	20,927
Unresolved Difference as % of Expected GA Payments to IESO		<u>0.2%</u>

GA Analysis Workform

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2017		
Total Metered excluding WMP	C = A+B	271,518,587	kWh	100%
RPP	A	144,544,013	kWh	53.2%
Non RPP	B = D+E	126,974,574	kWh	46.8%
Non-RPP Class A	D	21,216,894	kWh	7.8%
Non-RPP Class B*	E	105,757,680	kWh	39.0%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month



Note 4 **Analysis of Expected GA Amount**

Year	2017								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	11,338,638	11,097,574	11,097,574	11,338,638	0.06687	\$ 758,215	0.08227	\$ 932,830	\$ 174,615
February	9,471,755	11,097,574	11,097,574	9,471,755	0.10559	\$ 1,000,123	0.08639	\$ 818,265	\$ 181,858
March	11,768,897	11,097,574	11,097,574	11,768,897	0.08409	\$ 989,647	0.07135	\$ 839,711	\$ 149,936
April	10,175,100	11,097,574	11,097,574	10,175,100	0.06874	\$ 699,436	0.10778	\$ 1,096,672	\$ 397,236
May	10,781,734	11,097,574	11,097,574	10,781,734	0.10623	\$ 1,145,344	0.12307	\$ 1,326,908	\$ 181,564
June	11,010,233	11,097,574	11,097,574	11,010,233	0.11954	\$ 1,316,163	0.11848	\$ 1,304,492	\$ 11,671
July	7,440,637	11,097,574	11,097,574	7,440,637	0.10652	\$ 792,577	0.11280	\$ 839,304	\$ 46,727
August	7,417,422	11,097,574	11,097,574	7,417,422	0.11500	\$ 853,004	0.10109	\$ 749,827	\$ 103,176
September	6,952,394	11,097,574	11,097,574	6,952,394	0.12739	\$ 885,665	0.08864	\$ 616,260	\$ 269,405
October	7,103,586	11,097,574	11,097,574	7,103,586	0.10212	\$ 725,418	0.12563	\$ 892,424	\$ 167,005
November	7,076,191	11,097,574	11,097,574	7,076,191	0.11164	\$ 789,986	0.09704	\$ 686,674	\$ 103,312
December	10,908,684	11,097,574	7,688,565	7,499,675	0.08391	\$ 629,298	0.09207	\$ 690,495	\$ 61,197
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	111,445,271	133,170,886	129,761,877	108,036,262		\$ 10,584,875		\$ 10,793,862	\$ 208,987

Calculated Loss Factor

1.0215

Note 5 **Reconciling Items**

	Item	Amount	Explanation
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 99,668	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 472,498	RPP true up amounts related to 2016 booked in 2017.
1b	True-up of GA Charges based on Actual Non-RPP Volumes - current year	-\$ 39,754	RPP true up amounts related to 2017 booked in 2018.
2a	Remove prior year end unbilled to actual revenue differences	\$ -	
2b	Add current year end unbilled to actual revenue differences	\$ -	
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers	\$ -	
3b	Add difference between current year accrual/forecast to actual from long term load transfers	-\$ 113	Balance reflects 2017 Long Term Load Transfer ("LTLT") amounts booked in 2018. These amounts had not been accrued for in 2017.
4	Remove GA balances pertaining to Class A customers		
5	Significant prior period billing adjustments recorded in current year		
6	Differences in GA IESO posted rate and rate charged on IESO invoice	-\$ 44,284	During the course of 2017, the former St. Thomas Energy experienced multiple occasions when the GA rate charged as per the IESO invoice did not match the GA Actual rate posted on the IESO website. Management was
7	Differences in actual system losses and billed TLFs	-\$ 33,248	Difference between billed total loss factor and actual for Non-RPP Class B customers.
8	Others as justified by distributor		
9	Interval customers billed at Actual GA rate	-\$ 129,112	The former St. Thomas Energy commenced billing interval customers at the IESO GA Actual rate for the full period
10	Reclassification between Acct 1588 & Acct 1589	-\$ 58,806	Accounting reclassification adjustment between Acct 1588 and Acct 1589 related to 2017 which was identified and

Note 6	Adjusted Net Change in Principal Balance in the GL	\$ 266,848
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 208,987
	Unresolved Difference	\$ 57,862
	Unresolved Difference as % of Expected GA Payments to IESO	0.5%

ATTACHMENT E

Account 1595 Analysis Workform

Issued July 12, 2018



1595 Analysis Workform

Version 1.0

Account 1595 Analysis Workform

Input cells
Drop down cells

Utility Name **ST. THOMAS ENERGY INC.**

Utility name must be selected

1595 Rate Years Requested for Disposition

- ☐ 2012
- ☐ 2013
- ☒ 2014
- ☒ 2015
- ☒ 2016

1595 Analysis Workform

Step 1

Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/Returned	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$1,790,515	-\$62,030	-\$1,852,545	-\$1,719,042	-\$133,503	\$8,287	-\$125,237	7.2%
Account 1589 - Global Adjustment		\$1,451,745	\$57,893	\$1,509,638	\$1,191,524	\$318,114	\$3,885	\$321,999	21.1%
Total Group 1 and Group 2 Balances		-\$338,770	-\$4,137	-\$342,907	-\$527,518	\$184,611	\$12,151	\$196,762	-53.8%

*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

Calculated differences of greater than + or - 10% require further analysis
Calculated differences of greater than + or - 10% require further analysis

Step 2 **Select Rate Rider(s) Applicable for 1595 Recovery Period**

- ☐ RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)
☐ RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT) - NON-WMP
☒ RATE RIDER - RSVA - GLOBAL ADJUSTMENT
☐ RATE RIDER - RSVA - GROUP 2 ACCOUNTS (if a separate Group 2 rate rider was created)
☐ OTHER 1
☐ OTHER 2
☐ OTHER 3

RATE RIDER - RSVA - GLOBAL ADJUSTMENT
Rate Rider Recovery Period (Months)

12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB	Calculated Rate Rider as Approved by OEB	Projected Consumption over Recovery Period**	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance (%)	Billed Consumption (kWh/kW) per RRR filings***	Billed Consumption (kWh/kW) applied to Recovery Period**	RRR Variance (kWh/kW)	RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION	kWh	\$164,576	17,406,959	\$0.0095	17,406,959	13,285,646	4,121,313	\$38,965	23.7%	13,747,453	13,747,453	461,807	3.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	\$83,739	8,856,890	\$0.0095	8,856,890	9,062,529	-205,639	(\$1,944)	-2.3%	9,015,808	9,015,808	-46,721	-0.5%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	\$1,231,826	346,635	\$3.5333	346,635	269,001	79,634	\$281,369	22.8%	260,249	260,249	-8,752	-3.3%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	\$0	0		0	0	0			0	0	0	
STREET LIGHTING SERVICE CLASSIFICATION	kW	\$29,497	8,607	\$3.4271	8,607	8,687	-80	(\$275)	-0.9%	8,672	8,672	-16	-0.2%
microFIT SERVICE CLASSIFICATION					0	0	0			0	0	0	
TOTAL		\$1,509,638						\$318,115	21.1%				

**Projected consumption over the recovery period, and billed consumption per RRR filings are initially calculated on an annualized basis. If the recovery period spans more or less than 12 months, these figures are prorated or extrapolated accordingly.

***Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However, any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

SUMMARY

Total Calculated Account Balance

\$318,115

Total Account Residual Balance per Step 1 above

\$184,611

Unreconciled Differences****

\$133,503

****Any unreconciled difference between amounts reported in the residual balances section in Step 1 and amounts calculated for the total of all applicable riders in Step 3 must be explained.

Additional Notes and Comments

Variance in Cell J238 relates to Group One rate rider disposition balance.

1595 Analysis Workform

Step 1

Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/Returned	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$684,104	-\$55,061	-\$739,165	-\$715,973	-\$23,192	-\$2,675	-\$25,967	3.1%
Account 1589 - Global Adjustment		\$677,980	\$13,845	\$691,825	\$660,199	\$31,636	\$5,714	\$37,350	4.6%
Total Group 1 and Group 2 Balances		-\$6,124	-\$41,215	-\$47,339	-\$55,783	\$8,444	\$3,040	\$11,484	-17.8%

Calculated differences of greater than + or - 10% require further analysis

*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

Additional Notes and Comments

1595 Analysis Workform

Step 1

Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/Returned	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$545,910	-\$461,338	-\$1,007,248	-\$1,028,288	\$21,040	-\$5,702	\$15,339	-2.1%
Account 1589 - Global Adjustment		\$1,457,688	\$34,679	\$1,492,367	\$1,498,531	-\$6,164	\$8,751	\$2,587	-0.4%
Total Group 1 and Group 2 Balances		\$911,778	-\$426,659	\$485,119	\$470,242	\$14,877	\$3,049	\$17,926	3.1%

*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

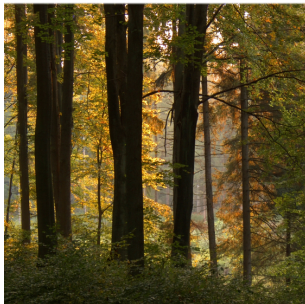
Additional Notes and Comments

ATTACHMENT F

LRAMVA Report

Prepared by IndEco Strategic Consulting

Entegrus Powerlines Inc. 2016 LRAMVA



Entegrus Powerlines Inc.
lost revenue related to
Conservation and Demand Management

2016



This document was prepared for Entegrus Powerlines Inc. by IndEco Strategic Consulting Inc.

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IndEco report B8154

31 July 2018

Contents

Introduction	5
Methodology	7
CDM results.....	7
Distribution rates	9
Lost revenues variance.....	9
Results.....	11
CDM results for Entegrus Main	11
CDM results for Entegrus St. Thomas	13
Distribution rates	16
Lost revenues	16
Carrying charges	17
Conclusions	18

Introduction

The Lost Revenue Adjustment Mechanism (LRAM) was developed to remove a disincentive electricity local distribution companies (LDCs) may have to promote conservation and demand management (CDM) programs. CDM programs are designed to provide energy savings and peak demand reductions for the customers of LDCs, which directly impact the LDC's revenue. The LRAM allows LDCs to be compensated for lost revenue that resulted from CDM programs the LDC offered to its customers.

Starting in 2011, the Ontario Energy Board (OEB) authorized LDCs to establish an LRAM variance account (LRAMVA) to capture the impact of CDM programs on the revenue of LDCs. The variance in the LRAMVA is between the lost revenue due to independently verified load impacts of CDM and the lost revenue from any CDM impacts on the LDC included in the LDC's load forecast.¹

In 2018, Entegrus Powerlines Inc. merged with St. Thomas Energy Inc. and as of April 1, 2018 both utilities operated under the Entegrus name. Historically and until 2026 the service areas of the two utilities, herein after referred to as Entegrus Main (for the original Entegrus Powerlines service territory, and Entegrus St. Thomas (for what was the service area of St Thomas Energy Inc.), have different rate structures and therefore LRAMVA is calculated separately for each service territory.

Entegrus Powerlines Inc. and the former St. Thomas Energy Inc. contracted with the Ontario Power Authority (OPA, which has now been merged into the Independent Electricity System Operator – IESO) to offer a suite of CDM programs to customers in a variety of rate classes for the 2011-2014 period and subsequently with the IESO for the 2015-2020 period.

LRAM or LRAMVA for both Entegrus Main and Entegrus St Thomas have already been claimed for results through 2015, but not for subsequent years.

Entegrus is required to use “the most recent and appropriate final CDM evaluation report from the IESO in support of its lost revenue calculation.”² The final 2017 annual verified results report is the most recent final CDM evaluation report available from the IESO and includes final results and adjustments for 2015, 2016 and 2017 programs. It is expected that there may be additional adjustments to the 2017 results with the 2018 report. Thus, Entegrus wishes to claim only lost revenue from CDM results realized in 2016 in Entegrus' 2019 rate case (EB-2018-0024) for both service areas.

¹ *Guidelines for Electricity Distributor Conservation and Demand Management*. Ontario Energy Board. April 26, 2012 (EB-2012-0003).

² *Filing Requirements For Electricity Distribution Rate Applications - 2016 Edition for 2017 Rate Applications - Chapter 2 - Cost of Service*, Ontario Energy Board. July 14, 2016.

Entegrus already submitted claims for lost revenues for 2011-2015 CDM programs in Entegrus Main in its 2017 IRM (EB-2016-0063) for programs through 2015 and did a Cost of Service application in 2016 (EB-2015-0061). St Thomas Energy submitted claims for lost revenues for 2013 to 2015 in its 2017 rate case (EB-2016-0104).

This report determines the variance account balance for the following revenue losses:

- Lost revenues in Entegrus Main in 2016 related to programs offered in 2014,
- Lost revenues in Entegrus Main in 2016 related to programs offered in 2015, and
- Lost revenues in Entegrus Main in 2016 related to programs offered in 2016.

The carrying charges on the above variances through April 2019 are also reported.

It also determines the variance account balance for the following revenue losses in the Entegrus St. Thomas service area:

- Lost revenues in Entegrus St Thomas in 2016 related to programs offered in 2013³,
- Lost revenues in Entegrus St Thomas in 2016 related to programs offered in 2014,
- Lost revenues in Entegrus St Thomas in 2016 related to programs offered in 2015, and
- Lost revenues in Entegrus St Thomas in 2016 related to programs offered in 2016.

The carrying charge on the above variances through December 2018 are also reported.⁴

³ The years for which lost revenues in 2016 are claimed begin with the year in which there was a Cost of Service application prior to the year for which lost revenues are calculated.

⁴ Carrying charges are calculated until the new rate year. In the case of Entegrus Main, that will be May 1, 2019 and in the case of Entegrus St Thomas, January 1, 2019.

Methodology

In principle, the determination of lost revenues is a simple calculation:

$$\text{LR} = (\text{CDM results} - \text{CDM results in the load forecast}) * \text{rate}$$

In practice, it is somewhat more complicated than that because of the limitations of the information available to calculate CDM results, the different time periods of results data and the rate year, and the need to determine carrying charges on the lost revenues.

The most recent input assumptions available have been used to calculate the lost revenue values.

CDM RESULTS

From 2011 through 2016, Entegrus and St Thomas offered provincial programs in partnership with the Independent Electricity System Operator (IESO). Neither utility offered custom programs beyond the IESO programs.

IESO evaluation results

The IESO performs evaluations of all of its programs, which examine gross energy savings from the programs, and the net-to-gross ratio (NTGR), and then from those calculates net energy savings by initiative within each program group (residential, business, industrial and low-income). Peak load reductions are also calculated and reported in the same way. For some programs, notably the Retrofit program, the IESO calculates gross and net energy at the project level.

Provincial results are allocated to individual LDCs based on each LDC's individual performance where possible, or through an allocation process.

The IESO reports energy savings and peak demand reductions, by initiative in the current year, adjustments to the previous year, based on updated validation, and contribution to total savings or reductions to the end of the 2011 to 2014 period and the 2015 to 2020 period. The savings and demand reductions for a particular year for a number of programs persist in the following years. The savings and demand reductions for demand response programs do not persist beyond the year in which those particular savings and demand reductions occur. The IESO was requested to provide the persistence into future years of savings and reductions for each program in 2014. The 2017 reports from the IESO include persistence for 2015 and 2016 programs.

These are the best, most definitive and defensible estimates of results associated with these programs and incorporate the most appropriate estimates of results from the measures installed.

However, these data have some limitations, and require some adjustments for use in lost revenue calculations.

Allocating results to rate classes

The IESO reports results by 'program'. These only partially map onto rate classes. For initiatives that apply to more than one rate class, Entegrus staff estimated the split by rate class, drawing on participant-specific information where available.

Application of reported results

The IESO reports both energy savings and reductions in demand. Depending on the rate class, distribution revenue is based on either kilowatt-hours used, or the customer's monthly peak kilowatt use. For rate classes where the customer is charged for distribution by energy use (kWh), the IESO reported energy savings are used to calculate lost revenues related to CDM results. For customer classes where the LDC charges for distribution based on the customer's peak monthly demand (kW), the IESO reported demand reductions are used to calculate lost revenues related to CDM results.⁵ The demand reductions in the IESO reports should be multiplied by a multiplier based on the number of months a specific program impacts a customer's peak demand. "The IESO indicated that the demand savings from energy efficiency programs shown in the Final CDM Results should generally be multiplied by twelve (12) months to represent the demand savings the distributor has experienced over the entire year. In the case of the Building Commissioning initiative, the demand savings provided in the Final CDM Results should only be multiplied by three (3) as these savings are related to space cooling and do not occur throughout the full year, but only during the summer months, typically."⁶

No lost revenues are claimed for demand response programs, consistent with OEB policy.⁷

Load reductions accounted for in the load forecast

In recent years, LDCs have tried to account for load losses due to CDM programs in their load forecasts, submitted as part of their Cost of Service applications. These forecasted reductions need to be deducted from load losses attributable to CDM programs, to determine the final impact of CDM on revenues. That is, the impact is the *variance* between the results accounted for in the load forecast and the results attributable to the programs.

⁵ The exception is street lighting retrofit projects. Street-lighting is billed by kW, but street lighting retrofit projects have no peak demand reductions associated with conservation measures. A special calculation is done for these, as described below.

⁶ Ontario Energy Board, *Updated Policy for the Lost Revenue Adjustment Mechanism Calculation: Lost Revenues and Peak Demand Savings from Conservation and Demand Management Programs*, EB-2016-0182, May 19, 2016, p. 4.

⁷ Ibid. p. 7.

Overall impact of CDM on load, by rate class

The overall impact of CDM energy savings and demand reductions on load is calculated from the IESO energy savings and peak demand reductions, allocated by rate class. Finally, the difference is calculated between the overall estimated impact on loads and the load reductions attributable to CDM that were captured in the most recent load forecast.

DISTRIBUTION RATES

Revenue impacts to the LDC associated with CDM are calculated using the distribution volumetric rate. Most other rate components (e.g. service charges, global adjustment, transmission charges) are either fixed charges or pass-throughs for the utility that do not affect the LDC's revenues. An exception is for certain rate riders related to taxes, and these are added to the distribution volumetric rates for lost revenue calculations, where applicable.

For most electricity distribution utilities in Ontario, including Entegrus, distribution rates are set for the period from 1 May to 30 April of the next year. CDM results are reported for the calendar year, so average rates for the calendar year need to be calculated. For simplicity, the average rate is estimated based on the rate being four twelfths of the previous year's rate (for January through April), and eight twelfths of the current year's rate (for May through December).

LOST REVENUES VARIANCE

Lost revenues in a particular rate class are the product of the savings or demand reductions in that class, less what was accounted for in the load forecast, multiplied by the average rate for that class in the calendar year for which the energy savings or demand reductions were reported.⁸ The variance is the difference between these lost revenues and the quantity of CDM in the load forecast, or what is called 'the LRAMVA threshold'.

Because these revenues are lost throughout the year, and are only recovered through rate riders in subsequent years, the Ontario Energy Board has permitted the LDCs to claim carrying charges on these lost revenues at a rate prescribed by the OEB, and published on the Board's website. The carrying charges are simple interest, not compounded and are calculated on the monthly lost revenue balance. Because the IESO final results estimates are reported annually, and monthly estimates are not available, the incremental results are assumed to be equally distributed across the months. So, 1/12 of the annual results are allocated to each month of the year.

Carrying charges accrue from the time of the results, until disposition.

⁸ Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to – usually twelve.

The LDC reports these lost revenues on its financial statements in Account 1568, and the associated rate class-specific sub-accounts.

Results

Following the methodology described above, lost revenues were calculated for Entegrus. The discussion of results makes reference to tables provided in the completed LRAMVA work form that uses the OEB's template.

CDM RESULTS FOR ENTEGRUS MAIN

IESO evaluation results

The most recent and appropriate final CDM evaluation reports from the IESO were used in support of the lost revenue calculations. A working Microsoft Excel file copy of each IESO evaluation report has been filed separately by Entegrus. The net verified final 2014 results can be found in Table 1 of the *Verified 2011-2014 Final Results Report for Entegrus Powerlines Inc.* file released by the IESO on September 1, 2015. These data are reproduced in Table 4-d of the LRAMVA work form.

The net verified final 2015 and 2016 results, including adjustments in 2016 to 2015 results, and adjustments in 2017 to 2015 and 2016 results, can be found in the "Net Incremental First Year Energy Savings" and "Net Incremental First Year Peak Demand Savings" sections of the "LDC Progress" tab in the 2017 *Final Verified Annual LDC CDM Program Results_Entegrus Powerlines Inc._Report_20180629* Excel file released by the IESO on June 29, 2018. These data are reproduced in Table 5-a and 5-b for 2015 and 2016, respectively.

The IESO provided Entegrus with persistence data for 2014 results at the initiative level. The data provided are presented in Table 7 on Tab 7 of the LRAMVA work form that is filed with this document. These data are also presented in Table 4d.

The IESO provided persistence data for 2015 and 2016 as part of the standard results report. These are reproduced in Tables 5a and 5b.

Street lighting projects

In 2014, 2015 and 2016, municipalities in Entegrus Main service territories undertook projects under the Retrofit Program to retrofit streetlights to a more energy efficient light emitting diode (LED) technology.

The IESO has included the calculated kilowatt hours (kWh) of energy savings from the street lighting projects in Entegrus' 2014, 2015 and 2016 results. In 2014, these project specific values are provided by the IESO as gross savings and the "net to gross" (NTG) ratio for Entegrus' Retrofit program was used to calculate the net savings. In 2015 and 2016, IESO provided both gross and net savings, and the net-to-gross adjustment. These values are included in the table below:

Year	Gross savings (kWh)	Net to gross ratio	Net savings (kWh)
2014	26,806	0.94	25,279
2015	1,070,760	0.67	716,118
2016	4,181,520	0.97	4,075,724

The street lighting account is billed based on kilowatts (kW) of demand. Entegrus reduced the kilowatts of demand it billed municipalities for street lighting by varying amount between December 2014 and December 2016. Details are shown on Tab 8 of the LRAMVA work form. The kW reductions are calculated based on associated bills that were adjusted by these amounts. A net-to-gross adjustment is applied to the bill reductions reported. The calculated net demand reduction of the streetlight retrofit projects from December 2014 to December 2016 is shown on Tab 8 of the LRAMVA work form.

The street lighting upgrade projects were undertaken as part of the Retrofit program, and energy savings were reported within results for that program. Because street lighting is not used during peak periods, no peak demand savings were reported by the IESO. As the street lighting rate class is billed by kW, the calculated net kWh savings from the Retrofit LED upgrade projects do not impact Entegrus' revenue. Thus, the calculated kWh of savings have been manually removed from the 2014, 2015 and 2016 Retrofit program results in those years, and persisting into future years for lost revenue calculations. The actual lost revenue from the street lighting retrofit project has been calculated directly by multiplying the demand reduction from the projects by the appropriate rate.

Allocating results to rate classes

Entegrus provided information on the allocation of results to rate classes. In most cases, the allocation is straightforward. Initiatives that can span multiple rate classes include Retrofit, Building Commissioning, New Construction, Energy Audit, Demand Response 3, Process & Systems Upgrades, Monitoring & Targeting, Energy Manager, Electricity Retrofit Incentive Program and High Performance New Construction. In Entegrus' case, only the Retrofit program was found to span rate classes. No allocation was provided for programs for which Entegrus has no program results.

Entegrus bills customers in different rate classes using different volumetric units, either kilowatt-hours (kWh), or customer peak monthly kilowatts (kW). The rate classes (and billing units) for Entegrus Main are:

- Residential (kWh)

- GS <50 kW (kWh)
- GS 50 to 4,999 kW (kW)
- Large Use (kW)
- Street Lighting (kW)
- Sentinel Lighting (kW)
- Unmetered Scattered Load (kWh)
- Standby Power

Table 4d of the LRAMVA work form shows the percentage allocation by rate class for 2014 results. Tables 5-a and b of the LRAMVA work form show the percentage allocation by rate class for 2015 and 2016 results, respectively. In each year the rate class allocation percentage totals for each program may not add up to 100% in cases because kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Load reductions accounted for in the load forecast

Entegrus' last cost of service application was filed for the 2016 rate year (EB-2015-0061). The load forecast associated with that application implicitly accounted for load losses from 2011 – 2014 CDM programs through the use of actual load data in the analysis. Load losses from 2014 programs were accounted for through the manual adjustment to the load forecast. Table 2b of the LRAMVA work form shows the estimates of load reductions, by rate class that were included at the time of the load forecast based on estimated reductions from programs in 2014 to 2016. Previous load forecasts did not account for the impact of 2011 – 2014 CDM programs.

Overall impact of CDM on load, by rate class

Multiplying the adjusted energy savings or demand reduction reported for Entegrus for each program by the allocation by rate class provides the impact on load of that CDM program within the appropriate rate class. The sum of the energy savings and demand reductions for all of the programs for each rate class provides the overall impact of CDM on load by rate class. The overall load impact for each calendar year includes the results for the CDM programs and any adjustments to the results in that year.

The bottom of Tables 5b of the LRAMVA work form show the overall impact of CDM on load by rate class for 2016.

CDM RESULTS FOR ENTEGRUS ST. THOMAS

IESO evaluation results

The most recent and appropriate final CDM evaluation reports from the IESO were used in support of the lost revenue calculations. A working Microsoft Excel file copy of each IESO evaluation report has been filed

separately by Entegrus. The net verified final 2013 and 2014 results can be found in Table 1 of the *Verified 2011-2014 Final Results Report_HCSt. Thomas Energy Inc.* file released by the IESO on September 1, 2015. These data are reproduced in Table 4c and 4d of the LRAMVA work form.

The net verified final 2015 and 2016 results, including adjustments in 2016 to 2015 results, and adjustments in 2017 to 2015 and 2016 results, can be found in the “Net Incremental First Year Energy Savings” and “Net Incremental First Year Peak Demand Savings” sections of the “LDC Progress” tab in the 2017 *Final Verified Annual LDC CDM Program Results_St. Thomas Energy Inc._Report_20180629* Excel file released by the IESO on June 29, 2018. These data are reproduced in Table 5-a and 5-b for 2015 and 2016, respectively.

The IESO provided persistence data for 2013 and 2014 results at the initiative level. The data provided are presented in Table 7 on Tab 7 of the LRAMVA work form that is filed with this document. These data are also presented in Table 4c and 4d.

The IESO provided persistence data for 2015 and 2016 as part of the standard results report. These are reproduced in Tables 5a and 5b.

Street lighting projects

In 2016, the municipality in Entegrus St Thomas’ service territory undertook a project under the Retrofit Program to retrofit streetlights to a more energy efficient light emitting diode (LED) technology.

The IESO has included the calculated kilowatt hours (kWh) of energy savings from the street lighting project in Entegrus St Thomas’ 2016 results. In 2016, these project specific values are provided by the IESO. These values are reproduced on Tab 8 Streetlighting of the Entegrus St Thomas LRAMVA work form.

The street lighting account is billed based on kilowatts (kW) of demand. Entegrus St Thomas reduced the kilowatts of demand it billed municipalities for street lighting by varying amount between April 2016 and October 2016. Details are shown on Tab 8 of the LRAMVA work form. The kW reductions are calculated based on associated bills that were adjusted by these amounts. A net-to-gross adjustment is applied to the bill reductions reported. The calculated net demand reduction of the streetlight retrofit projects in 2016 is shown on Tab 8 of the LRAMVA work form.

The street lighting upgrade projects were undertaken as part of the Retrofit program, and energy savings were reported within results for that program. Because street lighting is not used during peak periods, no peak demand savings were reported by the IESO. As the street lighting rate class is billed by kW, the calculated net kWh savings from the Retrofit LED upgrade projects do not impact Entegrus’ revenue. Thus, the calculated kWh of savings have been manually removed from the 2016 Retrofit program results in those years, and persisting into future years for lost revenue calculations. The actual lost revenue from

the street lighting retrofit project has been calculated directly by multiplying the demand reduction from the projects by the appropriate rate.

Allocating results to rate classes

Entegrus St Thomas staff provided information on the allocation of results to rate classes. In most cases, the allocation is straightforward. Initiatives that can span multiple rate classes include Retrofit, Building Commissioning, New Construction, Energy Audit, Demand Response 3, Process & Systems Upgrades, Monitoring & Targeting, Energy Manager, Electricity Retrofit Incentive Program and High Performance New Construction. In Entegrus St Thomas' case, only the Retrofit program was found to span rate classes. No allocation was provided for programs for which Entegrus St Thomas has no program results.

Entegrus bills customers in the St Thomas service area different rate classes using different volumetric units, either kilowatt-hours (kWh), or customer peak monthly kilowatts (kW). The rate classes (and billing units) for the St Thomas service area are:

- Residential (kWh)
- GS <50 kW(kWh)
- GS 50 to 4,999 kW (kW)
- Large Use (kW)
- Street Lighting (kW)
- Sentinel Lighting (kW)
- Unmetered Scattered Load (kWh)

Tables 4c and 4d of the LRAMVA work form shows the percentage allocation by rate class for 2013 and 2014 results, respectively. Tables 5a and 5b of the LRAMVA work form show the percentage allocation by rate class for 2015 and 2016 results, respectively. In each year the rate class allocation percentage totals for each program may not add up to 100% in cases because kWh savings are allocated to rate classes billed by kWh and kW demand reductions are allocated to rate classes billed by kW.

Load reductions accounted for in the load forecast

Entegrus St. Thomas' last cost of service application was filed for the 2015 rate year (EB-2014-0113). The load forecast associated with that application implicitly accounted for load losses from 2011 – 2013 CDM programs through the inclusion of actual data in the analysis. Table 2b of the LRAMVA work form shows the estimates of load reductions by rate class that were included at the time of the load forecast based on estimated reductions from programs in 2013 to 2015.

Overall impact of CDM on load, by rate class

Multiplying the adjusted energy savings or demand reduction reported for Entegrus St Thomas for each program by the allocation by rate class provides the impact on load of that CDM program within the appropriate rate class. The sum of the energy savings and demand reductions for all of the programs for each rate class provides the overall impact of CDM on load by rate class. The overall load impact for each calendar year includes the results for the CDM programs and any adjustments to the results in that year.

The bottom of Tables 5b of the Entegrus St Thomas LRAMVA work form show the overall impact of CDM on load by rate class for 2016.

DISTRIBUTION RATES

The distribution rates that are used to calculate the CDM impact on distributor revenue for each rate class for Entegrus are shown in Table 3 of the LRAMVA work forms. The distribution rates for Entegrus Main are pro-rated from the rate year to the calendar year, as needed, using the number of months of each rate year in each calendar year in the 2015 to 2016 time period. Table 3a of the LRAMVA work form shows the pro-rated rates used for each calendar year.

Because part of the 2016 calendar year is based on the 2015 rate year when Entegrus Main had different rates for different service territories, a merged rate was calculated for Entegrus Main based on weighting rates in the service territories by the billed amounts in those territories. This calculation is shown on a new table added to Tab 3 of the LRAMVA work form for Entegrus Main.

Entegrus St Thomas rates are based on the calendar year, so no pro-rating is necessary.

LOST REVENUES

The lost revenues for 2016 by rate class for Entegrus Main and Entegrus St Thomas calculated from final CDM program results are shown in Tables 1 of the respective LRAMVA work forms. The lost revenue is based on the load impact for each rate class multiplied by the rate for that rate class. The load impact includes the impact of CDM programs in 2016 and the persistence of the CDM program impact from 2014 and 2015 in 2016 for Entegrus Main, and for persistence of the CDM program impact from 2013 through 2015 for Entegrus St Thomas.

Tables 1 of the LRAMVA work forms also show the lost revenue due to CDM that has already been incorporated into Entegrus' load forecasts. The impact on Entegrus' revenue is the variance between what is calculated from final CDM program results and what has already been accounted for in the load forecast.

CARRYING CHARGES

The monthly carrying charges by rate class on Entegrus' lost revenue variance are shown in Tables 6 of the LRAMVA work forms. The carrying charges are reported monthly, from the time the lost revenues resulted, through to April 30, 2019 for Entegrus Main and through December 31, 2018 for Entegrus St Thomas.

Conclusions

The LRAMVA balance at the end of December 2016 for Entegrus Main that includes results from 2016 CDM programs and the persistence of 2014 and 2015 programs in 2016 is \$152,720. This includes carrying charges on the principal LRAMVA balance accumulated to April 30, 2019 of \$6,052. These balances are attributable to individual rate classes according to the following table:

Customer Class	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	\$38,094.28	\$1,572.02	\$39,666.30
GS<50 kW	\$7,184.51	\$296.48	\$7,480.99
GS 50 to 4,999 kW	\$96,151.11	\$3,967.84	\$100,118.95
Large Use	\$2,850.33	\$117.62	\$2,967.96
Street Lighting	\$2,387.65	\$98.53	\$2,486.18
Total	\$146,667.88	\$6,052.49	\$152,720.37

The LRAMVA balance at the end of December 2016 for Entegrus St Thomas that includes results from 2016 CDM programs and the persistence of 2013, 2014 and 2015 programs in 2016 is \$54,302. This includes carry charges on the principal LRAMVA balance accumulated to December 31, 2018 of \$1,818. These balances are attributable to individual rate classes according to the following table:

Customer Class	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	\$20,318.30	\$703.86	\$21,022.16
GS<50 kW	\$18,967.15	\$657.05	\$19,624.20
GS 50 to 4,999 kW	\$13,140.44	\$455.21	\$13,595.65
Street Lighting	\$57.85	\$2.00	\$59.86
Total	\$52,483.74	\$1,818.12	\$54,301.86



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ATTACHMENT G

LRAMVA Workform

Prepared by IndEco Strategic Consulting



Ontario Energy Board

LRAMVA Work Form: Summary Tab

Version 2.0 (2017)

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

LDC Name

Entegris - St Thomas

Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2016-0104
Application of Previous LRAMVA Claim	Price Cap IR
Period of LRAMVA Claimed in Previous Application	2013-2015
Amount of LRAMVA Claimed in Previous Application	\$ 178,799.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2016-0024
Application of Current LRAMVA Claim	2019 IRM
Period of New LRAMVA in this Application	2016
Actual Lost Revenues (\$)	A \$ 99,488
Forecast Lost Revenues (\$)	B \$ 47,004
Carrying Charges (\$)	C \$ 1,818
LRAMVA (\$) for Account 1568	A+B+C \$ 54,302

C. Documentation of Changes

Original Amount	
Amount for Final Disposition	

Table 1-a. LRAMVA Totals by Rate Class

Please input the customer rate classes applicable to the LDC and associated billing units (kWh or kW) in Table 1-a below. This will update all tables throughout the workform.

The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. Please also ensure that the principal amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim.

NOTE: If the LDC has more than 14 customer classes in which CDM savings was allocated, LDCs must contact OEB staff to make adjustments to the workform.

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	\$20,318	\$704	\$21,022
GS<50 kW	kWh	\$18,967	\$667	\$19,634
GS 50 to 4,999 kW	kW	\$13,140	\$455	\$13,595
Large Use	kW	\$0	\$0	\$0
Unmetered Scattered Load	kWh	\$0	\$0	\$0
Sentinel Lighting	kW	\$0	\$0	\$0
Street Lighting	kW	\$58	\$2	\$60
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
Total		\$52,484	\$1,818	\$54,302

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please insert a 'check mark' to indicate the years in which LRAMVA has been claimed. If you inserted a check-mark for a particular year, please delete the amounts associated with the actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any LRAMVA from a prior year that has already been claimed cannot be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

Depending on the period of LRAMVA to be claimed, LDCs are expected to adjust the totals for carrying charges in row 82 of Table 1-b and the years included in the LRAMVA balance in row 83, as appropriate.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								Total
		kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	
2011 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2011 Forecast	☐	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Forecast	☐	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Forecast	☐	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Forecast	☐	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2015 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2015 Forecast	☐	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2016 Actuals		\$42,674.75	\$28,446.73	\$28,303.78	\$0.00	\$0.00	\$0.00	\$62.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$99,487.56
2016 Forecast		(\$22,356.45)	(\$9,479.58)	(\$15,163.34)	\$0.00	\$0.00	\$0.00	(\$4.44)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$47,000.82)
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2017 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2017 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2018 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2018 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2019 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2019 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2020 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2020 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Carrying Charges		\$703.86	\$657.05	\$455.21	\$0.00	\$0.00	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,818.12
Total LRAMVA Balance		\$21,022	\$19,634	\$13,596	\$0	\$0.00	\$0	\$60	\$0	\$0.00	\$0	\$0	\$0	\$0	\$0	\$54,301.86

Note: LDC to make note of assumptions included above, if any



LRAMVA Work Form: Summary of Changes

Version 2.0 (2017)

Legend

User Inputs (Green)

Drop Down List (Blue)

Instructions (Grey)

Table A-1. Changes to Generic Assumptions in LRAMVA Work Form

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	2. LRAMVA Threshold	D24	Although a 2012 COS, rates only came into effect in 2013	Rates in calendar year 2012 did not account for CDM
2	5. 2015-2020 LRAM	All data rows	Reorganized to match order in IESO 2017 final results report	Simplifies comparison to source document
3	5. 2015-2020 LRAM	AE380	Actual CDM Savings in 2016 - Street Lighting from Tab 8	
4	5. 2015-2020 LRAM	B274	Conservation Fund name change	Program in IESO report with reported values did not exist in this OEB worksheet. Changed
5	5. 2015-2020 LRAM	D57:I57	Efficiency: Equipment Replacement Incentive Initiative	kWh attributed to street light project removed, as billing is by kW for street light rate class
6	5. 2015-2020 LRAM	D243:M243	Save on Energy Retrofit Program	kWh attributed to street light project removed, as billing is by kW for street light rate class
7	6. Carrying Charges	C46	Estimated carrying charge rate in Q4 2018	Based on rate in 2018Q3
8	4. 2011-2014 LRAM	Rows 130,258,387,516	Rates set to zero	LRAM/LRAMVA already claimed
9	5. 2015-2020 LRAM	Row 199	Rates set to zero	LRAMVA already claimed
10				
etc.				

Table A-2. Updates to LRAMVA Disposition

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

**LRAMVA Work Form:
Forecast Lost Revenues**

Version 2.0 (2017)

Legend

User Inputs (Green)
Drop Down List (Blue)
Auto Populated Cells (White)
Instructions (Grey)

Table 2-a. LRAMVA Threshold

2011

Please provide the LRAMVA threshold approved in the cost of service (COS) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-1. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
	kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	1,492,000	419,793	632,603	439,604	0	0	0	0	0	0	0	0	0	0	0
kW	115	0	0	115	0	0	0	0	0	0	0	0	0	0	0
Summary		419793	632603	115	0	0	0	0	0	0	0	0	0	0	0

Basis of Threshold

Supplemental Information Regarding Settlement Agreement Section 3 (a) Operating Revenue (Is the Customer and Load Forecast appropriate?) for EB-2010-0141 filed 8 July 2011.

Source of Threshold

Table 2-b. LRAMVA Threshold

2015

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-1. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
	kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	4,068,000	1,746,598	588,794	1,687,119	331	0	45,158	0	0	0	0	0	0	0	0
kW	4,431			4,303	0	3	125	0	0	0	0	0	0	0	0
Summary		1746598	588794	4303	0	331	0	125	0	kW	kWh	kW	0	0	0

Basis of Threshold

The 2015-2016 values are CDM load forecast adjustment values

Source of Threshold

p. 35 of the "Settlement Proposal" as part of 2015 COS decision and order for EB-2014-0113, dated Nov 4, 2014.

Table 2-c. Inputs for LRAMVA Thresholds

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
		kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	2011	419,793	632,603	115	0	0	0	0	0	0	0	0	0	0	0
2012	2011	419,793	632,603	115	0	0	0	0	0	0	0	0	0	0	0
2013	2011	419,793	632,603	115	0	0	0	0	0	0	0	0	0	0	0
2014	2011	419,793	632,603	115	0	0	0	0	0	0	0	0	0	0	0
2015	2015	1,746,598	588,794	4,303	0	331	0	125	0	kW	kWh	kW	0	0	0
2016	2015	1,746,598	588,794	4,303	0	331	0	125	0	kW	kWh	kW	0	0	0

**Version 2.0 (2017)**

Please complete Table 3 with the rate class specific distribution rates that pertain to the years of the LRAMVA disposition. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year table (January to December) based on the number of months entered in row 16 of each rate year starting from January to the start of the LDC's rate year. Please enter 0 in row 16, if the rate year begins on January 1. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas in Table 3-a accordingly.

		Billing Unit	EB-2009-0208	EB-2010-0141	EB-2011-0196	EB-2012-0166	EB-2013-0171	EB-2014-0113	EB-2015-0102	EB-2016-0104	EB-2017-0074	EB-2018-0024	EB-2019-XXXX	EB-2020-XXXX
Rate Year			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)			4	7	4	4	4	0	0	0				
Period 2 (# months)			8	5	8	8	8	12	12	12	12	12	12	12
Residential		kWh	\$ 0.0156	\$ 0.0160	\$ 0.0158	\$ 0.0158	\$ 0.0160	\$ 0.0168	\$ 0.0128	\$ 0.0086	\$ -			
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other						-\$ 0.0001	-\$ 0.0001							
Adjusted rate			\$ 0.0156	\$ 0.0160	\$ 0.0158	\$ 0.0157	\$ 0.0159	\$ 0.0168	\$ 0.0128	\$ 0.0086	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 0.0158	\$ 0.0159	\$ 0.0157	\$ 0.0158	\$ 0.0168	\$ 0.0128	\$ 0.0086	\$ -	\$ -	\$ -	\$ -	\$ -
GS<50 kW		kWh	\$ 0.0142	\$ 0.0147	\$ 0.0147	\$ 0.0149	\$ 0.0151	\$ 0.0158	\$ 0.0161	\$ 0.0164	\$ -			
Rate rider for tax sharing														
Rate rider for foregone revenue						-\$ 0.0001	-\$ 0.0001							
Other														
Adjusted rate			\$ 0.0142	\$ 0.0147	\$ 0.0147	\$ 0.0148	\$ 0.0150	\$ 0.0158	\$ 0.0161	\$ 0.0164	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 0.0144	\$ 0.0147	\$ 0.0147	\$ 0.0148	\$ 0.0149	\$ 0.0158	\$ 0.0161	\$ 0.0164	\$ -	\$ -	\$ -	\$ -
GS 50 to 4,999 kW		kW	\$ 2.9610	\$ 3.1490	\$ 3.1666	\$ 3.1919	\$ 3.2366	\$ 3.4616	\$ 3.5239	\$ 3.5803				
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other						-\$ 0.0093	-\$ 0.0093							
Adjusted rate			\$ 2.9610	\$ 3.1490	\$ 3.1666	\$ 3.1826	\$ 3.2273	\$ 3.4616	\$ 3.5239	\$ 3.5803	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 3.0393	\$ 3.1607	\$ 3.1773	\$ 3.2124	\$ 3.4616	\$ 3.5239	\$ 3.5803	\$ -	\$ -	\$ -	\$ -	\$ -
Large Use		kW	\$ 0.7063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Adjusted rate			\$ 0.7063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 0.4120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unmetered Scattered Load		kWh	\$ 0.0142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Adjusted rate			\$ 0.0142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 0.0083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sentinel Lighting		kW	\$ 5.1223	\$ 4.5344	\$ 5.6577	\$ 6.8777	\$ 6.9740	\$ 5.6609	\$ 5.7628	\$ 5.8550				
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other						-\$ 0.0606	-\$ 0.0727							
Adjusted rate			\$ 5.1223	\$ 4.5344	\$ 5.6577	\$ 6.8171	\$ 6.9013	\$ 5.6609	\$ 5.7628	\$ 5.8550	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 4.8773	\$ 5.2833	\$ 6.4306	\$ 6.8732	\$ 5.6609	\$ 5.7628	\$ 5.8550	\$ -	\$ -	\$ -	\$ -	\$ -
Street Lighting		kW	\$ 0.2653	\$ 0.0163	-\$ 0.0069	\$ 0.0328	\$ 0.0333	\$ 0.0349	\$ 0.0355	\$ 0.0361				
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other						-\$ 0.0433	-\$ 0.0576							
Adjusted rate			\$ 0.2653	\$ 0.0163	-\$ 0.0069	-\$ 0.0105	-\$ 0.0243	\$ 0.0349	\$ 0.0355	\$ 0.0361	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ 0.1616	\$ 0.0008	-\$ 0.0093	-\$ 0.0093	-\$ 0.0197	\$ 0.0349	\$ 0.0355	\$ 0.0361	\$ -	\$ -	\$ -	\$ -
0		0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Adjusted rate			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0		0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Adjusted rate			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0		0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Adjusted rate			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Note: 2012 rates were only implemented beginning in August

Table 3-a. Distribution Rates by Rate Class

Table 3-a below autopopulates the average distribution rates from Table 3. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used. As such, please clear the rates related to the year(s) that are not part of the LRAMVA claim. The distribution rates that remain in Table 3-a will be used in Tabs 4 and 5 of the work form to calculate actual and forecast lost revenues. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas from Table 3-a, as well as the distribution rate links in Tabs 4 and 5.

Year	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
	kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0
2011														
2012														
2013	\$0.0157	\$0.0148	\$3.1773	\$0.0000	\$0.0000	\$6.4306	(\$0.0093)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2014	\$0.0158	\$0.0149	\$3.2124	\$0.0000	\$0.0000	\$6.8732	(\$0.0197)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2015	\$0.0168	\$0.0158	\$3.4616	\$0.0000	\$0.0000	\$5.6609	\$0.0349	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.0128	\$0.0161	\$3.5239	\$0.0000	\$0.0000	\$5.7628	\$0.0355	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2017														

Note: Rates for 2011, 2012 and 2017 have been removed from the table as they are not part of this application



Ontario Energy Board

LR

Determinati

Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate of return each year.

Allocations are shown on Tab 4 and 5. Allocations are based on pro
For 2011-2015, allocations were estimated by PUC staff, drawing o
For 2016, allocations are based on net results reported by IESO in t

AMVA Work Form:

ion of Rate Class Allocations

classes, including supporting documentation and rationale for its proposal. This should be sho

object specific information where available.
on gross savings in the IESO project database
the projects spreadsheet



Version 2.0 (2017)

own by customer class and program

Instructions:

1. LDCs can apply for disposition of LRAMA amounts at any time, but at a minimum, must do so as part of a service (COS) application. The following LRAMA work items apply to LDCs that need to recover lost revenues from the 2011-2012 LDC settlement. LDCs must submit a request for LDCs to be included in the LDC Persistence Reports prepared by the ESO in (Tab 7). As noted earlier, persistence data is available upon request from the ESO. Please also advise that the same rate classes (of up to 14) can be carried over from the Summary Tab 1.

Please ensure that the ESO verified savings adjustments apply back to the program year's 1 relates To. For example, savings adjustments related to 2012 programs that were reported by the ESO in 2013 should be included in the 2012 program savings tab. In order for persisting savings to be claimed in future years, past year's relative level savings needs to be filed out in the tables below. If the ESO documents were made available to the LDC after the LRAMA was approved, then the LDC may not be able to claim savings. There can be no savings claimed for LRAMA amounts that are not approved by the ESO. LDCs are not permitted to claim savings for LRAMA amounts that are not approved by the ESO.

The work forms below include the monthly multipliers for most programs. LDCs are required to determine the monthly multipliers for programs that are not included in the ESO's updated LRAMA policy related to peak demand savings in EB-2010-0182. Demand Response (DR) savings should generally not be included with the LRAMA calculation, consistent with empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please identify rationale in Tab 1-a and highlight the new multiplier has been used.

4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings persistence. LDCs are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings persistence.

5. The persistence of future savings is expected to be included in the distributor's lead forecast after re-bidding. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMA totals for the year) if future year's persistence of savings is already captured in the updated lead forecast. Please also provide assumptions about the years in which persistence is captured in the lead forecast calculation in the "Notes" section below each table.

[Table 4-a. 2011 Lost Revenues](#)
[Table 4-b. 2012 Lost Revenues](#)
[Table 4-c. 2013 Lost Revenues](#)
[Table 4-d. 2014 Lost Revenues](#)

9 of 24

[illegible]

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

1. LDCs can apply for deposits of LRAVMA amounts at time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAVMA work forms apply to LDCs that need to recover lost persistence from available upsurge deposit from the ISO. Please note also that all the same rate classes (of up to 14) are carried over from the Summary Tab 1.

2. Please ensure that the ISO revised savings adjustments apply back to the program year's relation 1. For example, savings adjustments related to 2016 programs that were reported in the ISO's annual report published in 2016 will be applied to the 2017 savings calculation. If the ISO's annual report published in 2017 was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAVMA amounts are considered to be valid.

3. Savings adjustments are calculated based on the actual savings achieved by each utility and its member utilities included in the ISO's updated LRAVMA policy relative to peak demand savings in EB-2016-0182. Demand Response (DR) savings percentages should generally not be included with the LRAVMA calculation, unless supported by empirical evidence. LDCs are requested to cover the costs of DR savings separately.

4. LDCs are requested to apply the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.

5. The persistence of future savings is expected to include the distributor's total forecast after re-basing. LDCs are requested to deduce the applicable savings persistence ratio (auto-calculated after the LRAVMA totals for the year) if they have no other information about the savings persistence. The savings persistence is captured in the last forecast calculation in the "Netted" section below each category.

[Table 5-a. 2015 Lost Revenues](#)
[Table 5-b. 2016 Lost Revenues](#)
[Table 5-c. 2017 Lost Revenues](#)
[Table 5-d. 2018 Lost Revenues](#)
[Table 5-e. 2019 Lost Revenues](#)
[Table 5-f. 2020 Lost Revenues](#)

[illegible]

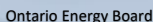
Note: LDC to make note of key assumptions included above

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)										Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)										Rate Allocations for LRAMVA														Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2017		2018	2019	2020	2021	2022	2023	2024	2025	2026	Residential	GS-50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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1 Save on Energy/ Coupon Program Adjustment to 2017 savings	Verified True-up																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Lost Revenue in 2020 from 2016 programs
Lost Revenue in 2020 from 2017 programs
Lost Revenue in 2020 from 2018 programs
Lost Revenue in 2020 from 2019 programs
Lost Revenue in 2020 from 2020 programs
Total Lost Revenues in 2020
Forecast Lost Revenues in 2020
LRAMVA in 2020

Note: LDC to make note of key assumptions included above

[Return to top](#)



Version 2.0 (2017)

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principle will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter per collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.

Table 6-a. Calculation of Carrying Costs by Rate Class

[Go to Tab 1: Summary](#)

Quarter			Approved Deferral & Variance Accounts			Month	Period	Quarter	Monthly Rate	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total			
2011 Q1		1.47%	Jan-11	2011	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2011 Q2		1.47%	Feb-11	2011	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2011 Q3		1.47%	Mar-11	2011	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2011 Q4		1.47%	Apr-11	2011	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2012 Q1		1.47%	May-11	2011	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2012 Q2		1.47%	Jun-11	2011	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2012 Q3		1.47%	Jul-11	2011	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2012 Q4		1.47%	Aug-11	2011	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2013 Q1		1.47%	Sep-11	2011	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2013 Q2		1.47%	Oct-11	2011	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2013 Q3		1.47%	Nov-11	2011	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2013 Q4		1.47%	Dec-11	2011	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2014 Q1		1.47%	Total for 2011							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2014 Q2		1.47%	Amount Cleared																	
2014 Q3		1.47%	Opening Balance for 2012							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2014 Q4		1.47%	Jan-12	2011-2012	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2015 Q1		1.47%	Feb-12	2011-2012	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2015 Q2		1.10%	Mar-12	2011-2012	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2015 Q3		1.10%	Apr-12	2011-2012	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2015 Q4		1.10%	May-12	2011-2012	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2016 Q1		1.10%	Jun-12	2011-2012	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2016 Q2		1.10%	Jul-12	2011-2012	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2016 Q3		1.10%	Aug-12	2011-2012	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2016 Q4		1.10%	Sep-12	2011-2012	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2017 Q1		1.10%	Oct-12	2011-2012	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2017 Q2		1.10%	Nov-12	2011-2012	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2017 Q3		1.10%	Dec-12	2011-2012	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2017 Q4		1.50%	Total for 2012							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2018 Q1		1.50%	Amount Cleared																	
2018 Q2		1.89%	Opening Balance for 2013							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2018 Q3		1.89%	Jan-13	2011-2013	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2018 Q4		1.89%	Feb-13	2011-2013	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2019 Q1			Mar-13	2011-2013	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2019 Q2			Apr-13	2011-2013	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2019 Q3			May-13	2011-2013	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2019 Q4			Jun-13	2011-2013	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q1			Jul-13	2011-2013	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q2			Aug-13	2011-2013	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q3			Sep-13	2011-2013	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q4			Oct-13	2011-2013	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Check OEB website			Nov-13	2011-2013	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Dec-13	2011-2013	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
			Total for 2013							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
			Amount Cleared																	
			Opening Balance for 2014							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
			Jan-14	2011-2014	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
			Feb-14	2011-2014	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
			Mar-14	2011-2014	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
			Apr-14	2011-2014	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
			May-14	2011-2014	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2020 Q1			Jun-14	2011-2014	Q2	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q2			Jul-14	2011-2014	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q3			Aug-14	2011-2014	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
2020 Q4			Sep-14	2011-2014	Q3	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Oct-14	2011-2014	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Nov-14	2011-2014	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Dec-14	2011-2014	Q4	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Total for 2014							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Amount Cleared																	
			Opening Balance for 2015							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Jan-15	2011-2015	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Feb-15	2011-2015	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Mar-15	2011-2015	Q1	0.12%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Apr-15	2011-2015	Q2	0.09%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			May-15	2011-2015	Q2	0.09%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
			Jun-15	2011-2015	Q2	0.09%			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		

Jul-15	2011-2015	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aug-15	2011-2015	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sep-15	2011-2015	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Oct-15	2011-2015	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Nov-15	2011-2015	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Dec-15	2011-2015	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total for 2015				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Amount Cleared																				
Opening Balance for 2016				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-16	2011-2016	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-16	2011-2016	Q1	0.09%	\$1.55	\$1.45	\$1.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.01	
Mar-16	2011-2016	Q2	0.09%	\$3.10	\$3.10	\$2.90	\$0.00	\$0.00	\$0.00	\$4.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.02	
Apr-16	2011-2016	Q2	0.09%	\$4.86	\$4.35	\$3.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.03	
May-16	2011-2016	Q2	0.09%	\$6.21	\$6.80	\$4.02	\$0.00	\$0.00	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16.04	
Jun-16	2011-2016	Q2	0.09%	\$7.76	\$7.24	\$5.02	\$0.00	\$0.00	\$0.00	\$0.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.05	
Jul-16	2011-2016	Q3	0.09%	\$9.31	\$8.69	\$6.02	\$0.00	\$0.00	\$0.03	\$0.00	\$0.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.06	
Aug-16	2011-2016	Q3	0.09%	\$10.86	\$10.14	\$7.03	\$0.00	\$0.00	\$0.00	\$0.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.06	
Sep-16	2011-2016	Q3	0.09%	\$12.42	\$11.59	\$8.03	\$0.00	\$0.00	\$0.03	\$0.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.07	
Oct-16	2011-2016	Q4	0.09%	\$13.97	\$13.04	\$9.03	\$0.00	\$0.00	\$0.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.08	
Nov-16	2011-2016	Q4	0.09%	\$15.52	\$14.49	\$10.04	\$0.00	\$0.00	\$0.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.09	
Dec-16	2011-2016	Q4	0.09%	\$17.07	\$15.94	\$11.04	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.10	
Total for 2016				\$102.44	\$95.63	\$66.25	\$0.00	\$0.00	\$0.00	\$0.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$264.61	
Amount Cleared																				
Opening Balance for 2017				\$102.44	\$95.63	\$66.25	\$0.00	\$0.00	\$0.00	\$0.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$264.61	
Jan-17	2011-2017	Q1	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Feb-17	2011-2017	Q1	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Mar-17	2011-2017	Q1	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Apr-17	2011-2017	Q2	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
May-17	2011-2017	Q2	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Jun-17	2011-2017	Q2	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Jul-17	2011-2017	Q3	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Aug-17	2011-2017	Q3	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Sep-17	2011-2017	Q3	0.09%	\$118.63	\$17.39	\$12.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.11	
Oct-17	2011-2017	Q4	0.13%	\$25.40	\$23.71	\$16.43	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.60	
Nov-17	2011-2017	Q4	0.13%	\$25.40	\$23.71	\$16.43	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.60	
Dec-17	2011-2017	Q4	0.13%	\$25.40	\$23.71	\$16.43	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.60	
Total for 2017				\$346.26	\$323.23	\$223.94	\$0.00	\$0.00	\$0.00	\$0.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$994.41	
Amount Cleared																				
Opening Balance for 2018				\$346.26	\$323.23	\$223.94	\$0.00	\$0.00	\$0.00	\$0.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$994.41	
Jan-18	2011-2018	Q1	0.13%	\$25.40	\$23.71	\$16.43	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.60	
Feb-18	2011-2018	Q1	0.13%	\$25.40	\$23.71	\$16.43	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.60	
Mar-18	2011-2018	Q1	0.13%	\$25.40	\$23.71	\$16.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65.60	
Apr-18	2011-2018	Q2	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
May-18	2011-2018	Q2	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Jun-18	2011-2018	Q2	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Jul-18	2011-2018	Q3	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Aug-18	2011-2018	Q3	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Sep-18	2011-2018	Q3	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Oct-18	2011-2018	Q4	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Nov-18	2011-2018	Q4	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Dec-18	2011-2018	Q4	0.16%	\$32.00	\$29.87	\$20.70	\$0.00	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.66	
Total for 2018				\$703.86	\$657.05	\$455.21	\$0.00	\$0.00	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,818.12	
Amount Cleared																				
Opening Balance for 2019				\$703.86	\$657.05	\$455.21	\$0.00	\$0.00	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,818.12	
Jan-19	2011-2019	Q1	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-19	2011-2019	Q1	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Mar-19	2011-2019	Q1	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Apr-19	2011-2019	Q2	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
May-19	2011-2019	Q2	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jun-19	2011-2019	Q2	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jul-19	2011-2019	Q3	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aug-19	2011-2019	Q3	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sep-19	2011-2019	Q3	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Oct-19	2011-2019	Q4	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Nov-19	2011-2019	Q4	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Dec-19	2011-2019	Q4	0.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total for 2019				\$703.86	\$657.05	\$455.21	\$0.00	\$0.00	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,818.12	
Amount Cleared																				
Opening Balance for 2020				\$703.86	\$657.05	\$455.21	\$0.00	\$0.00	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,818.12	
Jan-20	2011-2020	Q1	0.00%	\$0.00																



Supporting Documentation

LDC Persistence Savings Results for 2011

Legend

User Inputs (Green)

Drop Down List (Blue)

Instructions (Grey)

**Instructions
(Steps)**

- Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H.
- Please identify the source of the report via the dropdown list in Column I.
- To facilitate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the arrow in the header of Column H.
- Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an 'A' and adjustments with an 'ADJ'.
- Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below match the order of the data in the persistence report.

Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step:	#1					#3	#2	#4	#1
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verified Savings
									2011
Tier 1	Consumer	Appliance Exchange	PUC Distribution Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	6.2
Tier 1	Consumer	Appliance Retirement	PUC Distribution Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	17.1
Tier 1	Consumer	Bi-Annual Retailer Event	PUC Distribution Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	14.6
Tier 1	Consumer	Conservation Instant Coupon Booklet	PUC Distribution Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	10.3
Tier 1	Consumer	HVAC Incentives	PUC Distribution Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	148.1
Tier 1	Consumer	Retailer Co-op	PUC Distribution Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	0.0
Tier 1	Business	Direct Install Lighting	PUC Distribution Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	226.9
Tier 1	Business	Retrofit	PUC Distribution Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	127.8
Tier 1	Pre-2011 Program	Electricity Retrofit Incentive Program	PUC Distribution Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	15.7
Tier 1	Pre-2011 Program	High Performance New Construction	PUC Distribution Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	98.1
Tier 1	Business	Direct Install Lighting	PUC Distribution Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Business	Retrofit	PUC Distribution Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Consumer	Appliance Exchange	PUC Distribution Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Consumer	Appliance Retirement	PUC Distribution Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Consumer	Bi-Annual Retailer Event	PUC Distribution Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Consumer	Conservation Instant Coupon Booklet	PUC Distribution Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Consumer	HVAC Incentives	PUC Distribution Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Home Assistance	Home Assistance Program	PUC Distribution Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1	Pre-2011 Program	High Performance New Construction	PUC Distribution Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0.0
Tier 1 - 2011 Adjustment	Business	Retrofit	PUC Distribution Inc.	C&I	EE	2011	2012 Results Persistence	Adjustment	3.1
Tier 1 - 2011 Adjustment	Business	Direct Install Lighting	PUC Distribution Inc.	C&I	EE	2011	2012 Results Persistence	Adjustment	0.0
Tier 1 - 2011 Adjustment	Pre-2011 Program	High Performance New Construction	PUC Distribution Inc.	C&I	EE	2011	2012 Results Persistence	Adjustment	-0.3
Tier 1 - 2011 Adjustment	Consumer	HVAC Incentives	PUC Distribution Inc.	Residential	EE	2011	2012 Results Persistence	Adjustment	-15.3
Tier 1 - 2011 Adjustment	Consumer	Bi-Annual Retailer Event	PUC Distribution Inc.	Residential	EE	2011	2012 Results Persistence	Adjustment	0.9
Tier 1 - 2011 Adjustment	Consumer	Conservation Instant Coupon Booklet	PUC Distribution Inc.	Residential	EE	2011	2012 Results Persistence	Adjustment	0.1
LDC	Business	Retrofit	PUC Distribution Inc.	Commercial & Institutional	EE	2012	2013 Results Persistence	Adjustment	
LDC	Business	Retrofit	PUC Distribution Inc.	Commercial & Institutional	EE	2013	2013 Results Persistence	Current year savings	
LDC	Business	Small Business Lighting	PUC Distribution Inc.	Commercial & Institutional	EE	2012	2013 Results Persistence	Adjustment	

ch those provided by the IESO.

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
6.2	6.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1	17.1	16.6	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.6	14.6	14.6	13.6	12.5	10.1	10.0	12.2	5.8	0.8	0.8	0.8	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.3	10.3	10.3	9.7	9.0	7.7	7.6	8.8	5.0	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	146.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.0	224.7	189.1	189.1	188.9	37.9	36.8	36.8	36.8	36.6	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.8	127.8	127.8	127.8	127.8	127.8	127.8	105.2	105.2	105.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
338.7	337.5	337.5	297.4	296.9	114.6	114.6	111.9	111.9	111.9	110.8	110.8	11.3	11.3	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148.1	148.1	148.1	148.1	148.1	127.2	126.1	126.1	115.8	100.7	100.5	100.5	38.4	38.4	38.4	21.2	21.2	21.2	21.2	21.2	0.0	0.0	0.0	0.0	0.0	0.0
12.1	12.1	12.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	12.4	12.4	12.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.9	12.9	12.9	12.9	11.8	10.0	7.5	7.4	7.4	4.8	1.9	1.9	1.9	1.8	1.8	1.8	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2.0	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	109.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.8	0.8																								

#1				Net Verified Annual Energy Savings at the End-User Level (kWh)																
2038	2039	2040		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
0.0	0.0	0.0		9,081	9,081	9,081	7,116	0	0	0	0	0	0	0	0	0	0	0	0	0
0.0	0.0	0.0		115,083	115,083	115,083	114,577	81,088	0	0	0	0	0	0	0	0	0	0	0	0
0.0	0.0	0.0		255,303	255,303	255,303	255,303	233,328	209,322	157,815	157,239	203,221	65,212	23,481	20,669	20,669	15,265	15,265	13,870	0
0.0	0.0	0.0		166,010	166,010	166,010	166,010	152,837	138,446	109,025	108,238	135,801	53,073	17,179	13,482	13,482	12,350	12,350	11,980	0
0.0	0.0	0.0		302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460	302,460
0.0	0.0	0.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.0	0.0	0.0		576,898	574,836	571,172	468,028	468,028	467,591	92,060	91,186	91,186	91,186	90,164	90,164	0	0	0	0	0
0.0	0.0	0.0		724,440	724,440	724,440	724,440	724,440	724,440	724,440	724,440	664,592	664,592	664,592	0	0	0	0	0	0
0.0	0.0	0.0		91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	91,066	0	0	0
0.0	0.0	0.0		503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	503,823	391,858	391,858
0.0	0.0	0.0		0	1,244,484	1,240,864	1,239,376	1,067,310	1,065,605	404,251	404,251	401,588	401,588	401,588	390,173	390,173	11,304	11,304	11,304	0
0.0	0.0	0.0		0	655,680	655,680	655,680	655,680	655,680	586,840	579,962	579,962	541,595	448,844	426,434	426,434	55,841	55,841	55,841	25,160
0.0	0.0	0.0		0	21,501	21,501	21,501	21,484	0	0	0	0	0	0	0	0	0	0	0	0
0.0	0.0	0.0		0	83,036	83,036	83,036	82,728	50,228	0	0	0	0	0	0	0	0	0	0	0
0.0	0.0	0.0		0	232,665	232,665	232,665	232,665	209,151	170,070	116,005	115,764	115,764	58,799	43,637	42,281	42,281	39,329	39,329	38,791
0.0	0.0	0.0		0	12,147	12,147	12,147	12,147	11,964	11,964	5,634	5,603	5,603	5,603	910	733	733	630	630	606
0.0	0.0	0.0		0	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532
0.0	0.0	0.0		0	14,396	14,396	14,396	14,220	14,220	14,220	14,220	14,220	912	912	912	912	912	912	912	0
0.0	0.0	0.0		0	494,240	494,240	494,240	494,240	494,240	494,240	494,240	494,240	494,240	494,240	494,240	494,240	0	0	0	0
0.0	0.0	0.0		428	428	428	428	428	428	428	428	428	428	428	428	428	428	0	0	0
0.0	0.0	0.0		5,936	5,936	5,936	5,936	5,936	5,936	864	864	864	864	864	864	864	0	0	0	0
0.0	0.0	0.0		-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	-246,136	0	0
0.0	0.0	0.0		-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798	-30,798
0.0	0.0	0.0		18,968	18,968	18,968	18,968	18,968	17,237	9,306	9,304	9,304	2,053	1,724	1,583	1,583	1,314	1,314	1,312	0
0.0	0.0	0.0		2,395	2,395	2,395	2,395	2,395	2,188	1,342	1,341	1,341	475	214	156	156	140	140	139	0
0.0	0.0	0.0		0	285,274	285,274	285,274	285,274	285,274	285,274	272,681	272,681	272,681	197,430	31,831	31,831	0	0	0	0
0.0	0.0	0.0		0	0	673,976	625,283	625,283	565,227	544,417	532,150	532,150	531,227	530,716	441,294	314,749	307,093	230,674	20,209	20,209
0.0	0.0	0.0			14,238	14,238	14,238	13,997	13,997	2,185	2,185	2,185	2,185	2,185	1,595	1,595	0	0	0	0

[illegible]



Ontario Energy Board

LRAMVA Work Form: Documentation for Streetlighting Projects

Version 2.0 (2017)

Instructions

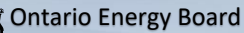
Please provide documentation and/or data to substantiate program savings that were not provided by the IESO (i.e., streetlighting projects) as applicable.

Energy savings attributed to street lighting project in				
Year	Gross	NTG	Net	Comments
2015			-	
2016	1,196,145	0.74	927,202	
2017			-	

Actual lost revenue based on kW billing				
Month	Gross kW reduction	Cumulative kW Reduction	NTG	Net kW reduction
Jan-16	0	-	0.74	-
Feb-16	0	-	0.74	-
Mar-16	0	-	0.74	-
Apr-16	99.43	99.43	0.74	73.71
May-16	107.96	207.39	0.74	153.74
Jun-16	0	207.39	0.74	153.74
Jul-16	93.89	301.28	0.74	223.35
Aug-16	0	301.28	0.74	223.35
Sep-16	4	305.28	0.74	226.31
Oct-16	8.24	313.52	0.74	232.42
Nov-16	2	315.52	0.74	233.90
Dec-16	0.38	315.90	0.74	234.18
2016 total		0.00		1,754.70
2016 Persisting in 2017				2,083.26
2016 Persisting in 2018				2,083.26
2016 Persisting in 2019				2,083.26
2016 Persisting in 2020				2,083.26

ATTACHMENT H

Entegrus-St. Thomas Bill Impacts



The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

Note:

- Note that cells with the highlighted color shown to the left indicate quantities that are loss adjusted.

[illegible]

Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0393		
Proposed/Approved Loss Factor	1.0393		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.54	1	\$ 23.54	\$ 26.64	1	\$ 26.64	\$ 3.10	13.17%
Distribution Volumetric Rate	\$ 0.0043	750	\$ 3.23	\$ -	750	\$ -	\$ (3.23)	-100.00%
Fixed Rate Riders	\$ 0.37	1	\$ 0.37	\$ 0.37	1	\$ 0.37	\$ -	0.00%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15	
Sub-Total A (excluding pass through)			\$ 27.14			\$ 27.16	\$ 0.02	0.09%
Line Losses on Cost of Power	\$ 0.0820	29	\$ 2.42	\$ 0.0820	29	\$ 2.42	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ 0.0069	750	\$ (5.18)	\$ (5.18)	
CBR Class B Rate Riders	\$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 30.12			\$ 25.12	\$ (5.00)	-16.60%
RTSR - Network	\$ 0.0068	779	\$ 5.30	\$ 0.0067	779	\$ 5.22	\$ (0.08)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0061	779	\$ 4.75	\$ 0.0065	779	\$ 5.07	\$ 0.31	6.56%
Sub-Total C - Delivery (including Sub-Total B)			\$ 40.18			\$ 35.41	\$ (4.77)	-11.86%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	779	\$ 2.81	\$ 0.0036	779	\$ 2.81	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	779	\$ 0.23	\$ 0.0003	779	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 104.96			\$ 100.19	\$ (4.77)	-4.54%
HST	13%		\$ 13.64	13%		\$ 13.03	\$ (0.62)	-4.54%
8% Rebate	8%		\$ (8.40)	8%		\$ (8.02)	\$ 0.38	
Total Bill on TOU			\$ 110.21			\$ 105.20	\$ (5.00)	-4.54%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0393		
Proposed/Approved Loss Factor	1.0393		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 24.22	1	\$ 24.22	\$ 24.44	1	\$ 24.44	\$ 0.22	0.91%
Distribution Volumetric Rate	\$ 0.0165	2000	\$ 33.00	\$ 0.0166	2000	\$ 33.20	\$ 0.20	0.61%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ 0.79	1	\$ 0.79	\$ -	0.00%
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0005	2000	\$ 1.00	\$ 1.00	
Sub-Total A (excluding pass through)			\$ 58.01			\$ 59.43	\$ 1.42	2.45%
Line Losses on Cost of Power	\$ 0.0820	79	\$ 6.44	\$ 0.0820	79	\$ 6.44	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	\$ 0.0077	2,000	\$ (15.40)	\$ (15.40)	
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ 0.0002	2,000	\$ 0.40	\$ 0.40	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 65.02			\$ 51.44	\$ (13.58)	-20.88%
RTSR - Network	\$ 0.0068	2,079	\$ 14.13	\$ 0.0067	2,079	\$ 13.93	\$ (0.21)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0057	2,079	\$ 11.85	\$ 0.0060	2,079	\$ 12.47	\$ 0.62	5.26%
Sub-Total C - Delivery (including Sub-Total B)			\$ 91.01			\$ 77.84	\$ (13.16)	-14.47%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,079	\$ 7.48	\$ 0.0036	2,079	\$ 7.48	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,079	\$ 0.62	\$ 0.0003	2,079	\$ 0.62	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	340	\$ 31.96	\$ 0.0940	340	\$ 31.96	\$ -	0.00%
TOU - On Peak	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 263.34			\$ 250.18	\$ (13.16)	-5.00%
HST	13%		\$ 34.23	13%		\$ 32.52	\$ (1.71)	-5.00%
8% Rebate	8%		\$ (21.07)	8%		\$ (20.01)	\$ 1.05	
Total Bill on TOU			\$ 276.51			\$ 262.69	\$ (13.82)	-5.00%

Customer Class:	GENERAL SERVICE 50 to 4.999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	43,800	kWh
Demand	100	kW
Current Loss Factor	1.0393	
Proposed/Approved Loss Factor	1.0393	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 75.46	1	\$ 75.46	\$ 76.14	1	\$ 76.14	\$ 0.68	0.90%
Distribution Volumetric Rate	\$ 3.6125	100	\$ 361.25	\$ 3.6450	100	\$ 364.50	\$ 3.25	0.90%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	100	\$ -	\$ 0.0446	100	\$ 4.46	\$ 4.46	
Sub-Total A (excluding pass through)			\$ 436.71			\$ 445.10	\$ 8.39	1.92%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	100	\$ -	\$ 4.9960	100	\$ (499.60)	\$ (499.60)	
CBR Class B Rate Riders	\$ -	100	\$ -	\$ 0.0784	100	\$ 7.84	\$ 7.84	
GA Rate Riders	\$ -	43,800	\$ -	\$ 0.0085	43,800	\$ 372.30	\$ 372.30	
Low Voltage Service Charge	\$ -	100	\$ -	\$ -	100	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	100	\$ -	\$ -	100	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 436.71			\$ 325.64	\$ (111.07)	-25.43%
RTSR - Network	\$ 2.7220	100	\$ 272.20	\$ 2.6959	100	\$ 269.59	\$ (2.61)	-0.96%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.3169	100	\$ 231.69	\$ 2.4560	100	\$ 245.60	\$ 13.91	6.00%
Sub-Total C - Delivery (including Sub-Total B)			\$ 940.60			\$ 840.83	\$ (99.77)	-10.61%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	45,521	\$ 163.88	\$ 0.0036	45,521	\$ 163.88	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	45,521	\$ 13.66	\$ 0.0003	45,521	\$ 13.66	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	45,521	\$ 5,011.90	\$ 0.1101	45,521	\$ 5,011.90	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 6,130.28			\$ 6,030.51	\$ (99.77)	-1.63%
HST	13%		\$ 796.94	13%		\$ 783.97	\$ (12.97)	-1.63%
Total Bill on Average IESO Wholesale Market Price			\$ 6,927.22			\$ 6,814.48	\$ (112.74)	-1.63%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	730	kWh
Demand	1	kW
Current Loss Factor	1.0393	
Proposed/Approved Loss Factor	1.0393	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 4.88	1	\$ 4.88	\$ 4.92	1	\$ 4.92	\$ 0.04	0.82%
Distribution Volumetric Rate	\$ 5.9077	1	\$ 5.91	\$ 5.9609	1	\$ 5.96	\$ 0.05	0.90%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 10.79			\$ 10.88	\$ 0.09	0.86%
Line Losses on Cost of Power	\$ 0.0820	29	\$ 2.35	\$ 0.0820	29	\$ 2.35	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	1	\$ -	\$ -3.6019	1	\$ (3.60)	\$ (3.60)	
CBR Class B Rate Riders	\$ -	1	\$ -	\$ 0.0780	1	\$ 0.08	\$ 0.08	
GA Rate Riders	\$ -	730	\$ -	\$ -	730	\$ -	\$ -	
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 13.14			\$ 9.71	\$ (3.43)	-26.11%
RTSR - Network	\$ 1.7108	1	\$ 1.71	\$ 1.6944	1	\$ 1.69	\$ (0.02)	-0.96%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4553	1	\$ 1.46	\$ 1.5427	1	\$ 1.54	\$ 0.09	6.01%
Sub-Total C - Delivery (including Sub-Total B)			\$ 16.31			\$ 12.95	\$ (3.36)	-20.60%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	759	\$ 2.73	\$ 0.0036	759	\$ 2.73	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	759	\$ 0.23	\$ 0.0003	759	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	475	\$ 30.84	\$ 0.0650	475	\$ 30.84	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	124	\$ 11.67	\$ 0.0940	124	\$ 11.67	\$ -	0.00%
TOU - On Peak	\$ 0.1320	131	\$ 17.34	\$ 0.1320	131	\$ 17.34	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 79.37			\$ 76.01	\$ (3.36)	-4.23%
HST		13%	\$ 10.32	13%		\$ 9.88	\$ (0.44)	-4.23%
Total Bill on TOU			\$ 89.69			\$ 85.89	\$ (3.80)	-4.23%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	730	kWh
Demand	1	kW
Current Loss Factor	1.0393	
Proposed/Approved Loss Factor	1.0393	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 3.73	1	\$ 3.73	\$ 3.76	1	\$ 3.76	\$ 0.03	0.80%
Distribution Volumetric Rate	\$ 0.0364	1	\$ 0.04	\$ 0.0367	1	\$ 0.04	\$ 0.00	0.82%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ 0.0119	1	\$ 0.01	\$ 0.01	
Sub-Total A (excluding pass through)			\$ 3.77			\$ 3.81	\$ 0.04	1.12%
Line Losses on Cost of Power	\$ 0.1101	29	\$ 3.16	\$ 0.1101	29	\$ 3.16	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	1	\$ -	\$ -4.5586	1	\$ (4.56)	\$ (4.56)	
CBR Class B Rate Riders	\$ -	1	\$ -	\$ 0.0785	1	\$ 0.08	\$ 0.08	
GA Rate Riders	\$ -	730	\$ -	\$ 0.0085	730	\$ 6.21	\$ 6.21	
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 6.93			\$ 8.69	\$ 1.77	25.53%
RTSR - Network	\$ 2.0989	1	\$ 2.10	\$ 2.0788	1	\$ 2.08	\$ (0.02)	-0.96%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.7864	1	\$ 1.79	\$ 1.8937	1	\$ 1.89	\$ 0.11	6.01%
Sub-Total C - Delivery (including Sub-Total B)			\$ 10.81			\$ 12.67	\$ 1.86	17.16%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	759	\$ 2.73	\$ 0.0036	759	\$ 2.73	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	759	\$ 0.23	\$ 0.0003	759	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	730	\$ 80.38	\$ 0.1101	730	\$ 80.38	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 94.40			\$ 96.26	\$ 1.86	1.97%
HST	13%		\$ 12.27	13%		\$ 12.51	\$ 0.24	1.97%
Total Bill on Average IESO Wholesale Market Price			\$ 106.68			\$ 108.77	\$ 2.10	1.97%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0393	
Proposed/Approved Loss Factor	1.0393	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.54	1	\$ 23.54	\$ 26.64	1	\$ 26.64	\$ 3.10	13.17%
Distribution Volumetric Rate	\$ 0.0043	750	\$ 3.23	\$ -	750	\$ -	\$ (3.23)	-100.00%
Fixed Rate Riders	\$ 0.37	1	\$ 0.37	\$ 0.37	1	\$ 0.37	\$ -	0.00%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15	
Sub-Total A (excluding pass through)			\$ 27.14			\$ 27.16	\$ 0.02	0.09%
Line Losses on Cost of Power	\$ 0.1101	29	\$ 3.25	\$ 0.1101	29	\$ 3.25	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ -0.0069	750	\$ (5.18)	\$ (5.18)	
CBR Class B Rate Riders	\$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15	
GA Rate Riders	\$ -	750	\$ -	\$ 0.0085	750	\$ 6.38	\$ 6.38	
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 30.95			\$ 32.33	\$ 1.38	4.44%
RTSR - Network	\$ 0.0068	779	\$ 5.30	\$ 0.0067	779	\$ 5.22	\$ (0.08)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0061	779	\$ 4.75	\$ 0.0065	779	\$ 5.07	\$ 0.31	6.56%
Sub-Total C - Delivery (including Sub-Total B)			\$ 41.01			\$ 42.61	\$ 1.61	3.92%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	779	\$ 2.81	\$ 0.0036	779	\$ 2.81	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	779	\$ 0.23	\$ 0.0003	779	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 126.62			\$ 128.23	\$ 1.61	1.27%
HST	13%		\$ 16.46	13%		\$ 16.67	\$ 0.21	1.27%
8% Rebate	8%			8%				
Total Bill on Non-RPP Avg. Price			\$ 143.08			\$ 144.90	\$ 1.82	1.27%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	323	kWh	
Demand	-	kW	
Current Loss Factor	1.0393		
Proposed/Approved Loss Factor	1.0393		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.54	1	\$ 23.54	\$ 26.64	1	\$ 26.64	\$ 3.10	13.17%
Distribution Volumetric Rate	\$ 0.0043	323	\$ 1.39	\$ -	323	\$ -	\$ (1.39)	-100.00%
Fixed Rate Riders	\$ 0.37	1	\$ 0.37	\$ 0.37	1	\$ 0.37	\$ -	0.00%
Volumetric Rate Riders	\$ -	323	\$ -	\$ 0.0002	323	\$ 0.06	\$ 0.06	
Sub-Total A (excluding pass through)			\$ 25.30			\$ 27.07	\$ 1.78	7.02%
Line Losses on Cost of Power	\$ 0.0820	13	\$ 1.04	\$ 0.0820	13	\$ 1.04	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	323	\$ -	\$ 0.0069	323	\$ (2.23)	\$ (2.23)	
CBR Class B Rate Riders	\$ -	323	\$ -	\$ 0.0002	323	\$ 0.06	\$ 0.06	
GA Rate Riders	\$ -	323	\$ -	\$ -	323	\$ -	\$ -	
Low Voltage Service Charge	\$ -	323	\$ -	\$ -	323	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	323	\$ -	\$ -	323	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 26.91			\$ 26.52	\$ (0.39)	-1.44%
RTSR - Network	\$ 0.0068	336	\$ 2.28	\$ 0.0067	336	\$ 2.25	\$ (0.03)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0061	336	\$ 2.05	\$ 0.0065	336	\$ 2.18	\$ 0.13	6.56%
Sub-Total C - Delivery (including Sub-Total B)			\$ 31.24			\$ 30.95	\$ (0.29)	-0.92%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	336	\$ 1.21	\$ 0.0036	336	\$ 1.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	336	\$ 0.10	\$ 0.0003	336	\$ 0.10	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	210	\$ 13.65	\$ 0.0650	210	\$ 13.65	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	55	\$ 5.16	\$ 0.0940	55	\$ 5.16	\$ -	0.00%
TOU - On Peak	\$ 0.1320	58	\$ 7.67	\$ 0.1320	58	\$ 7.67	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 59.28			\$ 58.99	\$ (0.29)	-0.49%
HST	13%		\$ 7.71	13%		\$ 7.67	\$ (0.04)	-0.49%
8% Rebate	8%		\$ (4.74)	8%		\$ (4.72)	\$ 0.02	
Total Bill on TOU			\$ 62.25			\$ 61.94	\$ (0.30)	-0.49%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	323	kWh
Demand	-	kW
Current Loss Factor	1.0393	
Proposed/Approved Loss Factor	1.0393	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.54	1	\$ 23.54	\$ 26.64	1	\$ 26.64	\$ 3.10	13.17%
Distribution Volumetric Rate	\$ 0.0043	323	\$ 1.39	\$ -	323	\$ -	\$ (1.39)	-100.00%
Fixed Rate Riders	\$ 0.37	1	\$ 0.37	\$ 0.37	1	\$ 0.37	\$ -	0.00%
Volumetric Rate Riders	\$ -	323	\$ -	\$ 0.0002	323	\$ 0.06	\$ 0.06	
Sub-Total A (excluding pass through)			\$ 25.30			\$ 27.07	\$ 1.78	7.02%
Line Losses on Cost of Power	\$ 0.1101	13	\$ 1.40	\$ 0.1101	13	\$ 1.40	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	323	\$ -	\$ -0.0069	323	\$ (2.23)	\$ (2.23)	
CBR Class B Rate Riders	\$ -	323	\$ -	\$ 0.0002	323	\$ 0.06	\$ 0.06	
GA Rate Riders	\$ -	323	\$ -	\$ 0.0085	323	\$ 2.75	\$ 2.75	
Low Voltage Service Charge	\$ -	323	\$ -	\$ -	323	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		323	\$ -	\$ -	323	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 27.27			\$ 29.62	\$ 2.36	8.64%
RTSR - Network	\$ 0.0068	336	\$ 2.28	\$ 0.0067	336	\$ 2.25	\$ (0.03)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0061	336	\$ 2.05	\$ 0.0065	336	\$ 2.18	\$ 0.13	6.56%
Sub-Total C - Delivery (including Sub-Total B)			\$ 31.60			\$ 34.05	\$ 2.46	7.78%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	336	\$ 1.21	\$ 0.0036	336	\$ 1.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	336	\$ 0.10	\$ 0.0003	336	\$ 0.10	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	323	\$ 35.56	\$ 0.1101	323	\$ 35.56	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 68.47			\$ 70.93	\$ 2.46	3.59%
HST	13%		\$ 8.90	13%		\$ 9.22	\$ 0.32	3.59%
8% Rebate	8%			8%				
Total Bill on Non-RPP Avg. Price			\$ 77.37			\$ 80.15	\$ 2.78	3.59%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0393	
Proposed/Approved Loss Factor	1.0393	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 24.22	1	\$ 24.22	\$ 24.44	1	\$ 24.44	\$ 0.22	0.91%
Distribution Volumetric Rate	\$ 0.0165	2000	\$ 33.00	\$ 0.0166	2000	\$ 33.20	\$ 0.20	0.61%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ 0.79	1	\$ 0.79	\$ -	0.00%
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0005	2000	\$ 1.00	\$ 1.00	
Sub-Total A (excluding pass through)			\$ 58.01			\$ 59.43	\$ 1.42	2.45%
Line Losses on Cost of Power	\$ 0.1101	79	\$ 8.65	\$ 0.1101	79	\$ 8.65	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	\$ -0.0077	2,000	\$ (15.40)	\$ (15.40)	
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ 0.0002	2,000	\$ 0.40	\$ 0.40	
GA Rate Riders	\$ -	2,000	\$ -	\$ 0.0085	2,000	\$ 17.00	\$ 17.00	
Low Voltage Service Charge	\$ -	2,000	\$ -		2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 67.23			\$ 70.65	\$ 3.42	5.09%
RTSR - Network	\$ 0.0068	2,079	\$ 14.13	\$ 0.0067	2,079	\$ 13.93	\$ (0.21)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0057	2,079	\$ 11.85	\$ 0.0060	2,079	\$ 12.47	\$ 0.62	5.26%
Sub-Total C - Delivery (including Sub-Total B)			\$ 93.22			\$ 97.05	\$ 3.84	4.11%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,079	\$ 7.48	\$ 0.0036	2,079	\$ 7.48	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,079	\$ 0.62	\$ 0.0003	2,079	\$ 0.62	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	2,000	\$ 220.20	\$ 0.1101	2,000	\$ 220.20	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 321.52			\$ 325.36	\$ 3.84	1.19%
HST	13%		\$ 41.80	13%		\$ 42.30	\$ 0.50	1.19%
8% Rebate	8%			8%				
Total Bill on Non-RPP Avg. Price			\$ 363.32			\$ 367.66	\$ 4.33	1.19%

ATTACHMENT I

January 1, 2019

Entegrus-St. Thomas

Proposed Tariff Sheet

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0024

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	26.64
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.37
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0085
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	(0.0069)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable only for Class B Customers	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0065

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2019
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EB-2018-0024

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	24.44
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0166
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0085
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	\$/kWh	0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	(0.0077)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable only for Class B Customers	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2019
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EB-2018-0024

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	76.14
Distribution Volumetric Rate	\$/kW	3.6450
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0085
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	\$/kW	0.0446
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019		
Applicable only for Non-Wholesale Market Participants	\$/kW	(3.6871)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	(1.3089)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable only for Class B Customers	\$/kWh	0.0784
Retail Transmission Rate - Network Service Rate	\$/kW	2.6959
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.4560

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2019
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EB-2018-0024

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.92
Distribution Volumetric Rate	\$/kW	5.9609
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0084
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	(3.6019)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable only for Class B Customers	\$/kWh	0.0780
Retail Transmission Rate - Network Service Rate	\$/kW	1.6944
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5427

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2018-0024

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.76
Distribution Volumetric Rate	\$/kW	0.0367
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0085
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	\$/kW	0.0119
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	(4.5586)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable only for Class B Customers	\$/kWh	0.0785
Retail Transmission Rate - Network Service Rate	\$/kW	2.0788
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8937

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2018-0024

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
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EB-2018-0024

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

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00
Disconnect/reconnect at pole - during regular hours	\$	185.00
Disconnect/reconnect at pole - after regular hours	\$	415.00
Install/remove load control device - during regular hours	\$	65.00
Install/remove load control device - after regular hours	\$	185.00

Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Disconnect/Reconnect at customer's request - at meter during regular hours	\$	65.00

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.

	\$	100.00
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer		
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

St. Thomas Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0024

Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail
Settlement Code directly to retailers and customers, if not delivered electronically through the
Electronic Business Transaction (EBT) system, applied to the requesting party

Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0393
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0289

ATTACHMENT J

Certificate of Evidence

Certification of Evidence

As Chief Financial and Regulatory Officer of Entegrus Powerlines Inc., I certify that the evidence filed in the Entegrus Powerlines Inc.'s 2019 IRM application is accurate to the best of my knowledge and belief. This filing is consistent with the requirements of Chapter 3 of the Board's Filing Requirements for Electricity Distribution Rate Applications.

Original signed by

Chris Cowell

Chief Financial & Regulatory Officer

Entegrus Powerlines Inc.