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August 13, 2018

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

**Re: 2019 IRM4 Rate Applications: Entegrus-Main Rate Zone & 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.

For the purpose of 2019 IRM4 rate applications, in its letter of July 12, 2018, the Board assigned Entegrus to the Tranche 1 deadline of August 13, 2018. Entegrus wishes to advise the Board that as a result of merger-related activities, it has encountered delays in preparing the Entegrus-St. Thomas rate zone application. Entegrus sincerely regrets the need to postpone filing until August 24, 2018. During the next two weeks, management will continue to work diligently on the Entegrus-St. Thomas application.

In the interim, please find enclosed the complete 2019 Entegrus-Main 4<sup>th</sup> Generation IRM Rate Application for the Entegrus-Main rate zone. By way of this application, Entegrus seeks Board approval for Entegrus-Main distribution rates effective May 1, 2019.

In preparing the Entegrus-Main 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](mailto: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.

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

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Application & Evidence  
Board File No.: EB-2018-0024  
Date Filed: August 13, 2018

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## 1 LIST OF ATTACHMENTS

- A. May 1, 2018 Entegrus-Main Approved Tariff Sheet
- B. 2019 IRM Rate Generator Model, Version 2.0, Issued July 24, 2018
- C. Entegrus-Main 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-Main Bill Impacts
- I. May 1, 2019 Entegrus-Main 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 May 1, 2019 for the Entegrus-Main 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 2.

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- Main 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-Main 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-Main:** the EB-2017-0033 Board Decision and Order dated March 22, 2018.

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 Chatham Daily News and The Strathroy Age Dispatch. The Chatham Daily News is a paid daily publication serving the Chatham-Kent communities and has an average circulation of approximately 5,400<sup>1</sup> per day. The Strathroy Age Dispatch is a paid weekly publication serving the Strathroy, Mount Brydges, Parkhill, Dutton and Newbury geographic areas. 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](mailto:regulatory@entegrus.com)

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<sup>1</sup> <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.

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

### 4.1 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.

#### 4.1.1 CURRENT TARIFF SCHEDULE

The current 2018 rates (as approved in EB-2017-0033) were pre-populated in the Rate Generator Model by Board Staff. Entegrus-Main has reviewed these inputs and confirms them to be accurate.

#### 4.1.2 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.

As summarized in Table 2 below, the Group One Account balances considered for disposition in the Application exceed the pre-set disposition threshold. Accordingly, Entegrus-Main has proposed disposition of the audited December 31, 2017 Group One Account balances herein.

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

**TABLE 2: 2017 DVA THRESHOLD TEST**

Line No.	Description	USoA	Amount
1	LV Variance Account	1550	\$421,290
2	Smart Metering Entity Charge Variance Account	1551	-\$4,421
3	RSVA - Wholesale Market Service Charge	1580	-\$832,880
4	Variance WMS – Sub-account CBR Class B	1580	-\$29,236
5	RSVA - Retail Transmission Network Charge	1584	\$215,126
6	RSVA - Retail Transmission Connection Charge	1586	\$378,755
7	RSVA - Power	1588	\$288,583
8	RSVA - Global Adjustment	1589	\$263,089
9	Disposition and Recovery/Refund of Regulatory Balances	1595	\$216,640
10	<b>Total Group One Balance for Disposition</b>		<b>\$916,947</b>
11	Total kWh Consumption		891,103,402
12	<b>Threshold Calculation</b>		<b>\$0.0010</b>

### 4.1.3 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	\$1,097,858	\$1,097,859	-\$1
2	Smart Metering Entity Charge Variance Account	1551	-\$6,716	-\$6,716	\$0
3	RSVA - Wholesale Market Service Charge	1580	-\$1,690,514	-\$1,687,206	-\$3,308
4	Variance WMS – Sub-account CBR Class A	1580	\$0	\$0	\$0
5	Variance WMS – Sub-account CBR Class B	1580	\$3,308	\$3,308	\$0
6	RSVA - Retail Transmission Network Charge	1584	\$164,979	\$164,979	-\$1
7	RSVA - Retail Transmission Connection Charge	1586	\$349,679	\$349,679	\$0
8	RSVA - Power	1588	\$928,438	\$928,439	-\$1
9	RSVA - Global Adjustment	1589	\$1,157,153	\$1,177,020	-\$19,867
10	Disposition and Recovery/Refund of Regulatory Balances	1595	-\$281,963	-\$309,013	\$27,050
11	LRAM Variance Account	1568	\$152,720	\$266,435	-\$113,715
12	<b>Total</b>		<b>\$1,874,942</b>	<b>\$1,984,784</b>	<b>-\$109,842</b>

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

The variance of \$3,308 (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.

The variance of \$19,867 (credit) reflected in Line 9 of Table 3 represents the adjustments to the Global Adjustment account based on the reconciliation of the GA Analysis Workform. For more details, please see section titled “Account 1589 Global Adjustment” below.

The variance of \$27,050 (debit) reflected in Line 10 of Table 3 represents a single adjustment related to interest accrued on the 1595 residual balance sub-accounts. In the Entegrus-Main 2018 IRM Application (EB-2017-0033), it was identified by Board Staff that as per the Accounting Procedures Handbook Frequently Asked Questions (issued October 2009), carrying charges are to be applied to the principal balances recorded in 1595. Entegrus-Main had not previously recorded such Account 1595 carrying charges. Subsequent to identification of this issue, in 2018 Q1 Entegrus-Main calculated and recorded the appropriate carrying charges. To accurately reflect this adjustment for the purposes of disposition, Entegrus-Main has adjusted for the carrying charges accrued up to and including December 31, 2017 in the DVA Continuity schedule.

The variance of \$113,715 (credit) 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 Entegrus-Main’s final verified IESO results for 2016 programs in 2016. Please see Section 4.1.5 below for more details on the LRAMVA balance and the proposed disposition.

#### **4.1.4 GROUP ONE DISPOSITION**

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Entegrus-Main last disposed of the Group One Account balances in its 2018 IRM Application for audited balances as of December 31, 2016. Accordingly, Entegrus has input the historic details of the Group One accounts into the detailed account continuity schedule shown in the Rate Generator Model as Tab “3. Continuity Schedule”, starting with the 2016 opening balances.

Entegrus-Main is proposing a one-year period for the disposition of its Group One Account balances.

##### **Account 1589 Global Adjustment**

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The OEB’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 the associated Certificate of Evidence (see Attachment J) . As noted in Attachment C, key features of the Entegrus process are: (i) the use of the IESO’s 1<sup>st</sup> Estimate rate to bill Class B customers and, (ii) the calculation of a monthly accrual accounting estimate for unbilled consumption. The basis of the estimate for RPP customer consumption is calculated by applying the prior year percentage of RPP consumption to the current period kWh’s purchased.

In 2016, Entegrus-Main commenced calculating the required December RPP / GA true-up once all volumes and prices were definitively known in January. Entegrus subsequently records the true-up in the general ledger prior to closing the fiscal year. This removes the risk of estimation error at year end. This approach is consistent with the Board guidance contained in its letter dated May 23, 2017, prior to which Entegrus had already commenced this practice.

Please refer to Attachment D for Entegrus-Main’s completed GA Analysis Workform for the proposed 2017 Account 1589 disposition.

Note, the “Calculated Loss Factor” in Cell F57 of the GA Analysis Workform is shown as 0.9768, as compared to the Entegrus-Main tariff sheet secondary metered customer (<5,000 kW) loss rate of 1.0432 and the Entegrus-Main tariff sheet primary metered customer (<5,000 kW) loss rate of 1.0328. This difference relates to a particular one-time situation further described in Section 4.1.6. In summary, in 2017 Entegrus-Main entered into a Short-Term Load Transfer (“STLT”) arrangement with Hydro One Networks Inc. (“HONI”), in order to support HONI’s refurbishment of the Strathroy Transmission Station. This arrangement resulted in 24,300,393 kWh being billed to HONI in 2017 at the Actual GA rate (as per HONI requirements), rather than at the 1<sup>st</sup> Estimate. This consumption has been reflected in the Non-RPP Class B consumption reported in RRR 2.1.5.4, but has been excluded from the Billed Consumption reported in Column C of the GA Analysis Workform. When the analysis is normalized for this STLT consumption, the Calculated Loss Factor is within the range of Entegrus-Main’s approved loss factors (as stated above). Please see Table 4 below for the normalization to remove the impact of the one-time STLT arrangement.

**TABLE 4: NON-RPP CALCULATED LOSS FACTOR NORMALIZATION**

Line No.	Description	Source	kWh
1	Non-RPP Class B	GA Workform, Cell D18	386,117,880
2	Less HONI STLT billed at Actual		24,300,393
3	<b>Net Class B kWh</b>	<b>Line 1 minus Line 3</b>	<b>361,817,487</b>
4	Non-RPP Class B Consumption	GA Workform, Cell F51	377,143,890
5	<b>Calculated Loss Factor</b>	<b>Line 4 divided by Line 3</b>	<b>1.0424</b>

Entegrus-Main's Class B Global Adjustment Non-RPP activity resulted in a debit to Account 1589 of \$146,981, as inputted into the Rate Generator Model, Tab "3. Continuity Schedule", Cell BD29 and the GA Analysis Workform, Tab "GA 2017", Cell C62. The reconciling items are explained in detail within the GA Analysis Workform. The completed Workform results in an unresolved difference of \$15,363. This equates to 0.0% difference, which is within the Board's +/- 1% threshold.

Based on the GA Analysis Workform reconciliation, Entegrus has updated the Rate Generator Model, Tab "3. Continuity Schedule", Cell B29 for a debit of \$97,238. This reflects the final true-up of estimates into the proper periods, and includes reversing entries previously identified on the 2016 GA Analysis Workform for a debit of \$117,105, as well as amounts booked in 2018 relating to 2017 for a credit of \$19,867.

#### Account 1595 Residual Balances

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

Entegrus-Main has three previous dispositions for which the applicable rate riders expired in or prior to April 2017. Upon expiration, the associated subaccounts ended with small residual balances (which relate to volumetric variances) and require disposition, as detailed in Table 5 below:

**TABLE 5: RESIDUAL BALANCES FOR DISPOSITION**

Line No.	Description	EB Number	Rate Rider Ending	Original Disposition	Residual Balance	Accrued Interest	Total Claim
1	2013 IRM Group One Disposition (Dutton & Newbury Rate Zones)*	EB-2012-0119	April 30, 2017	\$124,922	\$19,249	\$4,232	\$23,482
2	2015 IRM Group One Disposition	EB-2014-0064	April 30, 2017	\$2,088,747	\$23,594	\$11,055	\$34,648
3	2016 COS Group One & Group Two Disposition	EB-2015-0061	April 30, 2017	\$4,003,963	\$135,865	\$22,645	\$158,510
4	<b>Grand Total</b>				<b>\$178,708</b>		<b>\$216,640</b>

\* The rate riders above make reference to two of Entegrus-Main's previous four rate zones. These rate zones were: Chatham-Kent ("CK"); Strathroy, Parkhill and Mt. Brydges ("SMP"); Dutton and Newbury. These rate zones were harmonized in Entegrus-Main's 2016 COS (EB-2015-0061).

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-Main 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.

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

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#### **4.1.5 LRAMVA**

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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-Main offered provincial CDM programs in partnership with the Independent Electricity System Operator (“IESO”). Entegrus-Main 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-Main last rebased its rates effective May 1, 2016 (EB-2015-0061). This resulted in the establishment of a new baseline of CDM activities embedded in Entegrus-Main distribution rates for 2016, by way of the approved Entegrus-Main load forecast.

Entegrus-Main last disposed of claims for lost revenues through to December 31, 2015 in its 2017 IRM Application (EB-2016-0063). This Application proposes disposition of claims as follows:

- 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 \$152,720 (inclusive of carrying charges to April 30, 2019). Entegrus 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 6 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 6: PROPOSED LRAMVA DISPOSITION**

Line No.	Rate Class	Principal	Interest	Total
1	Residential	\$38,094	\$1,572	\$39,666
2	General Service < 50 kW	\$7,185	\$296	\$7,481
3	General Service > 50 kW	\$96,151	\$3,968	\$100,119
4	Large Use	\$2,850	\$118	\$2,968
5	Unmetered Scattered Load	\$0	\$0	\$0
6	Sentinel Lighting	\$0	\$0	\$0
7	Street Lighting	\$2,388	\$99	\$2,486
8	Embedded Distributor	\$0	\$0	\$0
9	<b>Total</b>	<b>\$146,668</b>	<b>\$6,052</b>	<b>\$152,720</b>

#### 4.1.6 CLASS A CONSUMPTION AND GA ALLOCATION

As a result of the expansion of the Industrial Conservation Initiative (“ICI”) program, Entegrus-Main added 17 Class A customers from the General Service > 50 kW rate class in mid-2017. Three customers maintained their Class A status for the entire 2017 period. Accordingly, as of December 31, 2017, Entegrus-Main had 20 Class A customers.

Entegrus-Main has populated Tab “6. Class A Consumption Data” with the necessary customer specific consumption details.

Additionally, in August 2017, Entegrus-Main entered into a Short-Term Load Transfer (“STLT”) agreement with HONI to support HONI’s refurbishment of the Strathroy Transmission Station. This arrangement resulted in 24,300,393 kWh being billed to HONI in 2017 at the Actual GA rate, rather than at the 1<sup>st</sup> Estimate (which Entegrus-Main typically bills customers). In order to reflect this in the Rate Generator, Entegrus-Main has included the STLT consumption as a Class A customer for the period of July-December 2017. This treatment within the model appropriately removes the STLT consumption from the general GA allocation calculation and rate class specific rate rider calculation.

Entegrus-Main has input the necessary customer billing determinants into the Rate Generator Model, Tab “6. Class A Consumption Data” and confirms that the billing determinants are accurate.

Entegrus-Main has reviewed the GA amounts allocated to the 17 customers which transitioned from Class B to Class A in mid-2017 as per the Rate Generator Model, Tab “6.1a. GA Allocation” and proposes to dispose of these amounts via a one-time bill adjustment.

#### **4.1.7 CAPACITY BASED RECOVERY**

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Consistent with the Accounting Procedures Handbook, Entegrus-Main 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-Main previously disposed of Account 1580, Subaccount Class B, in its 2018 IRM. The requested for disposition relates to 2017 activity only. As noted above, Entegrus-Main had 17 customers transition from Class B to Class A in July 2017.

Entegrus-Main has completed Tab “6.2a CBR B\_Allocation” to calculate the necessary CBR bill credit for the transitional customers.

Entegrus-Main notes that the remaining balance in Account 1580, Subaccount CBR, Class B is small, and accordingly, does not produce a rate rider in one or more classes. Therefore, the residual amount has been moved Account 1580 for disposition (rather than the subaccount).

#### **4.1.8 SHARED TAX SAVINGS**

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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-Main recently updated rebased rates in its 2016 COS Application (EB-2015-0061), and since that time no known legislative tax changes have occurred. Entegrus-Main 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. Accordingly, no Shared Tax Savings Rate rider is proposed.

#### 4.1.9 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-Main 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-Main acknowledges that the IESO UTR and Hydro One Sub-Transmission class RTSRs currently used in the Rate Generator Model are subject to update by Board Staff, subsequent to the issuance of the associated 2019 IESO and Hydro One rate orders.

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

**TABLE 7: PROPOSED RETAIL TRANSMISSION RATES**

Line No.	Description	Billing Determinant	Proposed RTSR - Network	Proposed RTSR - Connection
1	Residential	kWh	\$0.0067	\$0.0057
2	General Service < 50 kW	kWh	\$0.0059	\$0.0050
3	General Service > 50 kW to 4,999 kW	kW	\$2.5821	\$2.1487
4	Large Use	kW	\$2.7398	\$2.3623
5	Unmetered Scattered Load	kWh	\$0.0059	\$0.0050
6	Sentinel Lighting	kW	\$1.8968	\$1.6149
7	Street Lighting	kW	\$1.8774	\$1.5773
8	Embedded Distributor	kW	\$2.5821	\$2.1487

#### 4.1.10 PRICE CAP INDEX ADJUSTMENT

Entegrus-Main has used the Rate Generator Model proxy values of 1.20% as the Price Escalator (GDP-IPI), a 0.0% Productivity Factor and Entegrus-Main’s Group II Stretch Factor Value of 0.15%, 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 1.05%, as shown in Tab “16. Rev2Cost\_GDPIPI” of the 2019 Rate Generator Model. Entegrus-Main understands that Board Staff will adjust for the final GDP-IPI and Stretch Factor Group once both factors are available.

In its 2016 COS Application (EB-2015-0061), Entegrus-Main was approved to establish a Standby Power Service rate applicable for the General Service > 50 kW rate class and the Large Use rate class. It was further established that the Standby Power Service variable rate would align to the Distribution Volumetric Rate of the associated rate class (i.e. General Service > 50 kW or Large Use). The Rate Generator Model has been updated to ensure alignment of these Distribution Volumetric Rates and Entegrus-Main agrees with this methodology.

Entegrus-Main acknowledges that the Price Cap Index Adjustment is no longer applied to Low Voltage Service rates as per Section 3.2.1.1 of the Filing Requirements. Accordingly, Entegrus-Main proposes to continue with the Low Voltage Service rates approved in the Entegrus-Main 2016 COS Application (EB-2015-0061).

#### 4.1.11 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.

As previously described in Section 3, Entegrus-Main previously maintained 4 rate zones with a wide range of legacy fixed/variable proportions as a result of disparities in predecessor utility rate design. In Entegrus-Main’s 2016 COS Application (EB-2015-0061), Entegrus-Main was approved to harmonize distribution rates simultaneous with the transition to fixed Residential rates. Implementation was commenced by first migrating all Residential customers to the highest level of fixed rates (the former CK rate zone) in 2016, and then subsequently migrating harmonized Entegrus-Main rates in equal increments over three years to become fully fixed by May 1, 2019.

Table 8 below is a reproduction from Entegrus-Main’s Settlement Agreement dated February 3, 2016, Page 34, Table 24. The proposed 2019 Residential rate design migration, which is now 100% fixed, aligns with the Adjusted Rate calculated on Tab “16. Rev2Cost\_GDIPI” of the Rate Generator Model.

**TABLE 8: PROPOSED TRANSITION TO FULLY FIXED RESIDENTIAL RATES PER EB-2015-0061**

Rates Effective	Customers	FC	VC	Total	FC %	VC%	Proposed Rate
May 1, 2016	36,333	\$8,275,204	\$2,148,568	\$10,423,772	79.39%	20.61%	\$18.98
May 1, 2017	36,333	\$8,991,317	\$1,432,454	\$10,423,772	86.26%	13.74%	\$20.62
May 1, 2018	36,333	\$9,707,430	\$716,341	\$10,423,772	93.13%	6.87%	\$22.26
May 1, 2019	36,333	\$10,423,772	\$0	\$10,423,772	100.00%	0.00%	\$23.91

As per the Filing Requirements, Entegrus-Main 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. In Entegrus-Main's COS Application (EB-2015-0061), the 10th percentile of Residential consumption was determined by sorting the average monthly Residential consumption for all of Entegrus-Main residential customers from lowest to highest, and then selecting the average monthly consumption customers at the 10th percentile. For Entegrus-Main, the average monthly consumption for the 10th percentile residential customer is 135 kWh.

The bill impacts for Residential customers at the 10th percentile for this Application, inclusive of the final fixed rate design migration, are estimated to be 4.3%, please refer to Attachment H for the detailed bill impact calculations. Since the bill impacts are less than 10%, no Residential rate mitigation is required (nor is rate mitigation required for any other rate class, as described in Section 4.1.16 below).

#### **4.1.12 REVENUE TO COST RATIO ADJUSTMENTS**

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There were no Revenue to Cost Ratio phase-in adjustments subsequent to 2016 arising from Entegrus-Main's 2016 COS Decision dated March 17, 2016 (EB-2015-0061). Accordingly, Entegrus-Main has made no adjustments in the Rate Generator Model on Tab "16. Rev2Cost\_GDPIPI".

#### **4.1.13 ADDITIONAL RATES**

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Entegrus-Main has not proposed any additional rates changes.

#### **4.1.14 REGULATORY CHARGES**

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##### **Wholesale Market Service Rate & Capacity Based Recovery Rate**

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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-Main 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")

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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 RRRP Charge for July 1, 2017 (EB-2017-0234) resulting in a reduction of the RRRP rate to \$0.0003/kWh.

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

#### Standard Supply Service – Administrative Charge ("SSS")

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

### 4.1.15 PROPOSED RATES

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Entegrus-Main has utilized the Proposed Tariff sheet as generated from Tab "19. Final Tariff Schedule" in the Rate Generator Model.

Entegrus-Main has made the following changes to the generated Proposed Tariff Sheets, included herein as Attachment I, for consistency with the 2018 IRM tariff sheet:

1. Entegrus-Main proposes the "Rate Rider for Disposition of Deferral/Variance Accounts (2019)" for the Embedded Distribution rate class be set at \$1.5188/kW rather than \$0.1647/kW. The kW denominator contained on Tab "7. Calculation of Def-Var RR" for the Embedded Distribution contains demand related

to the one-time STLT as described on page 9. If this denominator is utilized, Entegrus-Main will be left with a significant residual balance. Rather, Entegrus-Main proposes normalizing for this activity and utilizing a denominator of 9,138kW.

2. Entegrus-Main has attached a copy of the “Notes” page as approved in Entegrus-Main’s 2016 COS Application and in Entegrus-Main’s 2017 and 2018 IRM Application.

#### 4.1.16 BILL IMPACTS

Entegrus-Main 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-Main customer in each rate class.

**TABLE 9: 2018 ENTEGRUS-MAIN 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	\$110	\$0	0.12%
2	General Service < 50 kW	RPP	2,000	-	\$271	\$272	\$1	0.51%
3	General Service > 50 - 4,999 kW	Non-RPP	162,500	500	\$27,353	\$27,208	-\$145	-0.53%
4	Large Use	Non-RPP	2,700,000	5,500	\$408,986	\$404,847	-\$4,139	-1.01%
5	Unmetered Scattered Load	RPP	150	-	\$27	\$27	\$0	0.37%
6	Sentinel Lighting	Non-RPP	150	1	\$35	\$35	\$0	-0.45%
7	Street Lighting	Non-RPP	150	1	\$28	\$28	\$0	1.29%
8	Embedded Distributor	Non-RPP	368,500	794	\$55,568	\$54,913	-\$655	-1.18%

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.

## 5 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**

May 1, 2018 Approved Tariff Sheet

EB-2017-0033

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2017-0033

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less and includes:

- 1) All services supplied to single-family dwelling units for domestic or household purposes,
- 2) All multi-unit residential establishments such as apartments of 6 or less units.
- 3) If a service supplies a combination of residential and commercial load and wiring does not permit separate metering, the classification of this customer will be determined individually by the distributor.

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	\$	22.90
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0026
Low Voltage Service Rate	\$/kWh	0.0017
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058

## 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

**Entegrus Powerlines Inc.**  
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EB-2017-0033

## **GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

This classification applies to a non-residential account taking electricity at 750 volts or less whose average monthly maximum gross demand over a period of 12 consecutive months is less than, or is forecast to be less than, 50 kW and includes multi-unit residential establishments such as apartment buildings supplied through one service (bulk-metered) with greater than 6 units. 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	\$	30.84
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0102
Low Voltage Service Rate	\$/kWh	0.0015
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

### **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

**Entegrus Powerlines Inc.**  
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## **GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION**

This classification applies to a non-residential account whose average monthly maximum gross demand over a period of 12 consecutive months 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 customers 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.

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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	\$	100.01
Distribution Volumetric Rate	\$/kW	3.3126
Low Voltage Service Rate (see Note 1)	\$/kW	0.6201
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	\$/kW	(0.1004)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.2670
Retail Transmission Rate - Network Service Rate	\$/kW	2.6031
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.1767

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**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



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EB-2017-0033

## **LARGE USE SERVICE CLASSIFICATION**

This classification applies to an account whose average monthly maximum gross demand over a period of 12 consecutive months is equal to or greater than, or is forecast to be equal to or greater 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.

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire

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	\$	1,526.20
Distribution Volumetric Rate	\$/kW	2.3307
Low Voltage Service Rate (see Note 1)	\$/kW	0.6818
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.0924
Retail Transmission Rate - Network Service Rate	\$/kW	2.7620
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.3930

### **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

**Entegrus Powerlines Inc.**  
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## **UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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	\$	8.26
Distribution Volumetric Rate	\$/kWh	0.0015
Low Voltage Service Rate	\$/kWh	0.0015
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

### **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

**Entegrus Powerlines Inc.**  
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EB-2017-0033

## **SENTINEL LIGHTING SERVICE CLASSIFICATION**

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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	\$	7.51
Distribution Volumetric Rate	\$/kW	0.6728
Low Voltage Service Rate	\$/kW	0.4661
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.1554
Retail Transmission Rate - Network Service Rate	\$/kW	1.9122
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6359

### **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

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2017-0033

## **STREET LIGHTING SERVICE CLASSIFICATION**

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, 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	\$	1.14
Distribution Volumetric Rate	\$/kW	0.9594
Low Voltage Service Rate	\$/kW	0.4552
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.1454
Retail Transmission Rate - Network Service Rate	\$/kW	1.8926
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5978

### **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

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
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EB-2017-0033

## **EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION**

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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	\$	132.50
Low Voltage Service Rate	\$/kW	0.6201
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.1976
Retail Transmission Rate - Network Service Rate	\$/kW	2.6031
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1767

### **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

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
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EB-2017-0033

## **STANDBY POWER SERVICE CLASSIFICATION**

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide backup service. 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**

General Service > 50 kW Standby Charge - for a customer whose facility is in the General Service > 50 kW rate class and for a month where actual demand is less than contracted demand. The charge is applied to the amount by which the amount of load transfer capacity contracted by a facility exceeds the actual demand.		
	\$/kW	3.3126
Large Use Standby Charge - for a customer whose facility is in the Large Use rate class and for a month where actual demand is less than contracted demand. The charge is applied to the amount by which the amount of load transfer capacity contracted by a facility exceeds the actual demand.		
	\$/kW	2.3307

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2017-0033

## **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. 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	\$	5.40
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**Entegrus Powerlines Inc.**  
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EB-2017-0033

**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**

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
Easement letter	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Account setup charge/change of occupancy charge	\$	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
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00

**Other**

Temporary service install and remove - overhead - no transformer	\$	500.00
Temporary service install and remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Switching for company maintenance - charge based on time and materials	\$	T&M



**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
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EB-2017-0033

## **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.

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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**

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0432
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0149
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0328
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0049

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
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EB-2017-0033

## NOTES

1) The Billing Demand for Line and Transformation Connection Services and Low Voltage Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss-adjusted demand supplied from the distribution system plus (b) the demand that is supplied by embedded generation installed after October 1998, which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for non-renewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for losses.

# **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 2.0

Utility Name Entegrus Powerlines Inc.

Assigned EB Number EB-2018-0024

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

Phone Number 519-352-6300 Ext. 243

Email Address regulatory@entegrus.com


We are applying for rates effective Wednesday, May 1, 2019

Rate-Setting Method Price Cap IR

Please indicate in which Rate Year the  
Group 1 accounts were last cleared<sup>1</sup> 2018

Please indicate the last Cost of Service  
Re-Basing Year 2016

## Legend

 Pale green cells represent input cells.



# Incentive Regulation Model for 2019 File

## Entegrus Powerlines Inc.

### TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018

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

EB-2017-0033

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less and includes:

- 1) All services supplied to single-family dwelling units for domestic or household purposes,
- 2) All multi-unit residential establishments such as apartments of 6 or less units.
- 3) If a service supplies a combination of residential and commercial load and wiring does not permit separate metering, the classification of this customer will be determined individually by the distributor.

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	\$	22.90
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0026
Low Voltage Service Rate	\$/kWh	0.0017
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058

## 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 applies to a non-residential account taking electricity at 750 volts or less whose average monthly maximum gross demand over a period of 12 consecutive months is less than, or is forecast to be less than, 50 kW and includes multi-unit residential establishments such as apartment buildings supplied through one service (bulk-metered) with greater than 6 units. 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	\$	30.84
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0102
Low Voltage Service Rate	\$/kWh	0.0015
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

### 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 applies to a non-residential account whose average monthly maximum gross demand over a period of 12 consecutive months 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 customers 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.

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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	\$	100.01
Distribution Volumetric Rate	\$/kW	3.3126
Low Voltage Service Rate (see Note 1)	\$/kW	0.6201
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	\$/kW	(0.1004)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.2670
Retail Transmission Rate - Network Service Rate	\$/kW	2.6031
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.1767

### 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

## LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum gross demand over a period of 12 consecutive months is equal to or greater than, or is forecast to be equal to or greater 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.

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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	\$	1,526.20
Distribution Volumetric Rate	\$/kW	2.3307
Low Voltage Service Rate (see Note 1)	\$/kW	0.6818
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.0924
Retail Transmission Rate - Network Service Rate	\$/kW	2.7620
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.3930

## 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

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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	\$	8.26
Distribution Volumetric Rate	\$/kWh	0.0015
Low Voltage Service Rate	\$/kWh	0.0015
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

### 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 accounts that are an unmetered lighting load supplied to a sentinel light. 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	\$	7.51
Distribution Volumetric Rate	\$/kW	0.6728
Low Voltage Service Rate	\$/kW	0.4661
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.1554
Retail Transmission Rate - Network Service Rate	\$/kW	1.9122
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6359

### 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 applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, 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	\$	1.14
Distribution Volumetric Rate	\$/kW	0.9594
Low Voltage Service Rate	\$/kW	0.4552
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.1454
Retail Transmission Rate - Network Service Rate	\$/kW	1.8926
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5978

### 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

## EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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	\$	132.50
Low Voltage Service Rate	\$/kW	0.6201
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	0.1976
Retail Transmission Rate - Network Service Rate	\$/kW	2.6031
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1767

### 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

## STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide backup service. 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

General Service > 50 kW Standby Charge - for a customer whose facility is in the General Service > 50 kW rate class and for a month where actual demand is less than contracted demand. The charge is applied to the amount by which the amount of load transfer capacity contracted by a facility exceeds the actual demand.	\$/kW	3.3126
Large Use Standby Charge - for a customer whose facility is in the Large Use rate class and for a month where actual demand is less than contracted demand. The charge is applied to the amount by which the amount of load transfer capacity contracted by a facility exceeds the actual demand.	\$/kW	2.3307



# 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. 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	\$	5.40
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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

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
Easement letter	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Account setup charge/change of occupancy charge	\$	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
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00

### Other

Temporary service install and remove - overhead - no transformer	\$	Issued Month day Year	500.00
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# Incentive Regulation Model for 2019 File

Temporary service install and remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Switching for company maintenance - charge based on time and materials	\$	T&M

## 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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0432
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0149
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0328
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0049

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

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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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 <sup>1</sup> 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 <sup>1</sup> during 2012	Closing Interest Amounts as of Dec 31, 2012
<b>Group 1 Accounts</b>											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge <sup>1</sup>	1580					0					0
Variance WMS – Sub-account CBR Class A <sup>5</sup>	1580					0					0
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power <sup>4</sup>	1588					0					0
RSVA - Global Adjustment <sup>4</sup>	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>	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
<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>		0	0	0	0	0	0	0	0	0	0
<b>Total Group 1 Balance</b>		0	0	0	0	0	0	0	0	0	0
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>	<b>1568</b>										
<b>Total including Account 1568</b>		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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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 <sup>1</sup> 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 <sup>1</sup> during 2013	Closing Interest Amounts as of Dec 31, 2013
<b>Group 1 Accounts</b>											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge <sup>1</sup>	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A <sup>5</sup>	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B <sup>5</sup>	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 <sup>4</sup>	1588	0				0	0				0
RSVA - Global Adjustment <sup>4</sup>	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>											
<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
<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>		0	0	0	0	0	0	0	0	0	0
<b>Total Group 1 Balance</b>		0	0	0	0	0	0	0	0	0	0
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>	1568					0					0
<b>Total including Account 1568</b>		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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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 Adjustments <sup>1</sup> 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 Adjustments <sup>1</sup> 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 Adjustments <sup>1</sup> during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015
<b>Group 1 Accounts</b>																	
LV Variance Account	1550	0				0	0				0	0			1,776,058	1,776,058	0
Smart Metering Entity Charge Variance Account	1551	0				0	0			(5,713)	0	0			(5,713)	(5,713)	0
RSVA - Wholesale Market Service Charge <sup>5</sup>	1580	0				0	0			(2,068,598)	0	0			(2,068,598)	(2,068,598)	0
Variance WMS – Sub-account CBR Class A <sup>5</sup>	1580	0				0	0				0	0			11,226	11,226	0
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580	0				0	0			242,731	0	0			242,731	242,731	0
RSVA - Retail Transmission Network Charge	1584	0				0	0			(341,804)	0	0			(341,804)	(341,804)	0
RSVA - Retail Transmission Connection Charge	1586	0				0	0			488,848	0	0			488,848	488,848	0
RSVA - Power <sup>4</sup>	1588	0				0	0				0	0			223,303	223,303	0
RSVA - Global Adjustment <sup>4</sup>	1589	0				0	0			1,175,831	0	0			1,175,831	1,175,831	0
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595	0				0	0			(0)	0	0			(0)	(0)	0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595	0				0	0			(64,132)	0	0			(64,132)	(64,132)	0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595	0				0	0			(7,072)	0	0			(7,072)	(7,072)	0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595	0				0	0			695,318	0	0			695,318	695,318	0
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595	0				0	0			0	0	0			0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595	0				0	0				0	0				0	0
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>																	
<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	0				0	0
RSVA - Global Adjustment	1589	0	0	0	0	0	0	0	0	0	0	0	0	0	1,175,831	1,175,831	0
<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	950,165	950,165	0
<b>Total Group 1 Balance</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	2,125,996	2,125,996	0
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>	1568	0				0	0				0	0			484,443	484,443	0
<b>Total including Account 1568</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	2,610,439	2,610,439	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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments <sup>1</sup> during 2015	Closing Interest Amounts as of Dec 31, 2015
<b>Group 1 Accounts</b>					
LV Variance Account	1550			11,618	11,618
Smart Metering Entity Charge Variance Account	1551			(805)	(805)
RSVA - Wholesale Market Service Charge <sup>1</sup>	1580			(742)	(742)
Variance WMS – Sub-account CBR Class A <sup>5</sup>	1580			36	36
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580			805	805
RSVA - Retail Transmission Network Charge	1584			1,823	1,823
RSVA - Retail Transmission Connection Charge	1586			12,706	12,706
RSVA - Power <sup>4</sup>	1588			21,302	21,302
RSVA - Global Adjustment <sup>4</sup>	1589			40,531	40,531
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595				0
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>					
<i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>	1595				0
<b>RSVA - Global Adjustment</b>	<b>1589</b>	0	0	40,531	40,531
<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>		0	0	46,744	46,744
<b>Total Group 1 Balance</b>		0	0	87,275	87,275
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>	<b>1568</b>			10,186	10,186
<b>Total including Account 1568</b>		0	0	97,461	97,461

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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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 <sup>1</sup> 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 <sup>2</sup> 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 <sup>1</sup> during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	
<b>Group 1 Accounts</b>																		
LV Variance Account	1550	1,776,058	672,857	316,174		2,132,740	11,618	21,990	16,548		17,060	2,132,740	408,708	1,459,884		1,081,565	17,060	
Smart Metering Entity Charge Variance Account	1551	(5,713)	(2,037)	(3,201)		(4,549)	(805)	(362)	(58)		(1,109)	(4,549)	(3,966)	(2,512)		(6,002)	(1,109)	
RSVA - Wholesale Market Service Charge <sup>3</sup>	1580	(2,068,598)	(863,187)	(60,007)		(2,871,777)	(742)	(26,521)	(13,963)		(13,300)	(2,871,777)	(807,324)	(2,008,590)		(1,670,511)	(13,300)	
Variance WMS – Sub-account CBR Class A <sup>4</sup>	1580		11,226			0	36	(36)			0	0	0	0		0	0	
Variance WMS – Sub-account CBR Class B <sup>4</sup>	1580			31,423		274,155	805	2,705			3,510	274,155	(28,071)	242,731		3,353	3,510	
RSVA - Retail Transmission Network Charge	1584	(341,804)	(44,960)		25,956	(412,720)	1,823	(3,436)	7,367		(8,980)	(412,720)	208,555	(367,750)		163,595	(8,980)	
RSVA - Retail Transmission Connection Charge	1586	488,848	(22,941)		677,056	1,143,963	12,706	1,357	30,925		(16,862)	(211,152)	368,553	(188,211)		345,612	(16,862)	
RSVA - Power <sup>4</sup>	1588	223,303	649,546	378,537	(18,303)	476,009	21,302	6,499	30,302		(2,501)	476,009	266,407	(155,234)	18,303	915,952	(2,501)	
RSVA - Global Adjustment <sup>4</sup>	1589	1,175,831	998,571	1,761,560	(117,104)	2,957,338	40,531	1,723	51,111		(8,856)	2,957,338	146,981	(585,729)	97,238	1,125,686	(8,856)	
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595	(0)				(0)	0				0	(0)				(0)	0	
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595	(64,132)	(25,263)	(115,634)		26,239	0				0	26,239	(6,989)			19,249	0	
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595	(7,072)	(822)		822	(7,072)	0				0	(7,072)		(7,072)		(0)	0	
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595	695,318	(666,207)			29,111	0				0	29,111	(5,518)			23,594	0	
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595	0	(2,658,347)	(4,003,963)		1,345,617	0				0	1,345,617	(1,209,751)			135,865	0	
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595	0				0	0				0	0	883,849	1,371,570		(487,721)	0	
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>	1595	0				0	0				0	0				0	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	1,175,831	998,571	1,761,560	(117,104)	2,957,338	40,531	1,723	51,111	0	(8,856)	2,957,338	146,981	(585,729)	97,238	1,125,686	(8,856)	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		950,165	(2,941,165)	(2,785,080)	(17,480)	776,600	46,744	2,196	71,121	0	(22,182)	776,600	74,454	344,806	18,303	524,550	(22,182)	
Total Group 1 Balance		2,125,996	(1,942,594)	(1,023,521)	(134,585)	1,072,338	87,275	3,919	122,232	0	(31,038)	1,072,338	221,435	(240,922)	115,541	1,650,236	(31,038)	
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>																		
	1568	484,443	33,693	224,293	91,934	385,777	10,186	(3,282)	5,101	5,818	7,621	385,777	167,631	288,882	(117,858)	146,668	7,621	
Total including Account 1568		2,610,439	(1,908,901)	(799,228)	(42,651)	1,458,115	97,461	637	127,333	5,818	(23,417)	1,458,115	389,066	47,960	(2,317)	1,796,904	(23,417)	

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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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 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.

<sup>5</sup> 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.

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 <sup>1</sup> 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 <sup>2</sup>	Projected Interest from Jan 1, 2019 to Apr 30, 2019 on Dec 31, 2017 balance adjusted for disposition during 2018 <sup>2</sup>	Total Interest	Total Claim	As of Dec 31, 2017	
Group 1 Accounts															
LV Variance Account	1550	15,716	16,482		16,294	672,857	14,011	408,708	2,283	7,725	2,575	12,582	421,290	1,097,859	
Smart Metering Entity Charge Variance Account	1551	(389)	(784)		(714)	(2,037)	(358)	(3,966)	(356)	(75)	(25)	(456)	(4,421)	(6,716)	
RSVA - Wholesale Market Service Charge <sup>3</sup>	1580	(22,942)	(16,238)		(20,004)	(863,187)	(14,792)	(807,324)	(5,212)	(15,258)	(5,086)	(25,556)	(832,880)	(1,687,206)	
Variance WMS – Sub-account CBR Class A <sup>4</sup>	1580				0	0	0	0	0	0	0	0	0	0	
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580	810	4,365		(44)	31,423	413	(28,071)	(457)	(531)	(177)	(1,165)	(29,236)	3,308	
RSVA - Retail Transmission Network Charge	1584	(573)	(10,937)		1,384	(44,960)	69	208,555	1,315	3,942	1,314	6,571	215,126	164,979	
RSVA - Retail Transmission Connection Charge	1586	(51)	(20,980)		4,066	(22,941)	3,152	368,553	914	6,966	2,322	10,206	378,755	349,679	
RSVA - Power <sup>4</sup>	1588	3,710	(11,277)		12,486	631,243	15,787	284,709	(3,301)	5,381	1,794	3,874	288,583	928,439	
RSVA - Global Adjustment <sup>4</sup>	1589	21,154	(19,170)		31,467	881,467	18,752	244,219	12,716	4,616	1,539	18,870	263,089	1,177,020	
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595				0			(0)	0	(0)	(0)	(0) <input checked="" type="checkbox"/> Check to Dispose of Account	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595			3,747	3,747			19,249	3,747	364	121	4,232	23,482	19,249	
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595	104	104		0			(0)	0	(0)	(0)	(0) <input checked="" type="checkbox"/> Check to Dispose of Account	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595			10,460	10,460			23,594	10,460	446	149	11,055	34,648	23,594	
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595			19,221	19,221			135,865	19,221	2,568	856	22,645	158,510	135,865	
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595			(6,378)	(6,378)			(487,721)	(6,378)	(9,218)	(3,073)	(18,668)	0	(487,721)	
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>	1595				0			0	0			0	<input checked="" type="checkbox"/> 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															
RSVA - Global Adjustment	1589	21,154	(19,170)	0	31,467	881,467	18,752	244,219	12,716	4,616	1,539	18,870	263,089	1,177,020	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(3,615)	(39,265)	27,050	40,519	402,398	18,282	122,152	22,237	2,309	770	25,316	653,858	538,022	
Total Group 1 Balance		17,539	(58,435)	27,050	71,986	1,283,865	37,033	366,371	34,953	6,924	2,308	44,186	916,947	1,715,042	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568		5,712	4,143	6,052	0	0	146,668	6,052	0	0	6,052	152,720	266,435	
Total including Account 1568		17,539	(52,723)	31,193	78,038	1,283,865	37,033	513,039	41,005	6,924	2,308	50,238	1,069,667	1,981,476	

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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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 reverted 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.

<sup>5</sup> 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)
<b>Group 1 Accounts</b>		
LV Variance Account	1550	1
Smart Metering Entity Charge Variance Account	1551	0
RSVA - Wholesale Market Service Charge <sup>1</sup>	1580	3,308
Variance WMS – Sub-account CBR Class A <sup>5</sup>	1580	(0)
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580	(0)
RSVA - Retail Transmission Network Charge	1584	1
RSVA - Retail Transmission Connection Charge	1586	(0)
RSVA - Power <sup>4</sup>	1588	1
RSVA - Global Adjustment <sup>4</sup>	1589	19,867
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595	(3,747)
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595	(10,460)
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595	(19,221)
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595	6,378
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup> <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	19,867
<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>		<b>(27,047)</b>
<b>Total Group 1 Balance</b>		<b>(7,181)</b>
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>	<b>1568</b>	113,715
<b>Total including Account 1568</b>		<b>106,534</b>

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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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 (2013) <sup>1</sup>	1595 Recovery Proportion (2015) <sup>1</sup>	1595 Recovery Proportion (2016) <sup>1</sup>	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and G5<50 classes <sup>3</sup>
RESIDENTIAL SERVICE CLASSIFICATION	kWh	272,960,897	0	13,513,072	0	0	0	272,960,897	0	39%	32%	19%	39,666	36,780
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	113,926,044	0	21,428,377	0	0	0	113,926,044	0	29%	16%	11%	7,481	3,943
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	434,093,778	1,175,183	401,781,407	1,065,486	4,583,832	11,681	429,509,946	1,163,502	28%	42%	68%	100,119	
LARGE USE SERVICE CLASSIFICATION	kW	36,169,526	180,462	36,169,526	180,462	0	0	36,169,526	180,462			8%	2,968	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,348,221	0	90,457	0	0	0	1,348,221	0		0%	0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	372,284	1,036	140,653	392	0	0	372,284	1,036			0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	4,040,160	11,172	4,040,160	11,172	0	0	4,040,160	11,172	4%	2%	1%	2,486	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	28,192,492	84,246	28,192,492	84,246	0	0	28,192,492	84,246			0%		
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0					
<b>Total</b>		891,103,402	1,452,099	505,356,144	1,341,758	4,583,832	11,681	886,519,570	1,440,418	100%	100%	100%	152,720	40,723

## Threshold Test

Total Claim (including Account 1568)	\$1,069,667
Total Claim for Threshold Test (All Group 1 Accounts)	\$916,947
Threshold Test (Total claim per kWh) <sup>2</sup>	\$0.0010

1568 Account Balance from Continuity Schedule	152,720
Total Balance of Account 1568 in Column 5 matches the amount entered on the Continuity Schedule	

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

<sup>2</sup> The Threshold Test does not include the amount in 1568.

<sup>3</sup> The proportion of customers for the Residential and G5<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	1550	1551	1580	1584	1586	1588	1595 (2013)	1595 (2015)	1595 (2016)	1568
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# Incentive Regulation Model for 2019 Filers

1 Please select the Year the Account 1580 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 1580, 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

Customer	Rate Class		2017	
			January to June	July to December
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,921,466	1,629,695
		kW	3,986	3,673
		Class A/B	B	A
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,790,952	4,210,791
		kW	6,995	7,462
		Class A/B	B	A
Customer 3	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,825,782	6,079,454
		kW	11,705	12,986
		Class A/B	B	A
Customer 4	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,364,005	1,388,191
		kW	5,106	5,059
		Class A/B	B	A
Customer 5	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,957,831	3,661,841
		kW	4,951	9,964
		Class A/B	B	A
Customer 6	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,610,218	2,788,942
		kW	5,603	6,921
		Class A/B	B	A
Customer 7	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,163,509	3,436,717
		kW	9,217	9,952
		Class A/B	B	A
Customer 8	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,868,713	3,594,806
		kW	8,503	8,372
		Class A/B	B	A
Customer 9	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,436,983	1,458,311
		kW	4,013	3,867
		Class A/B	B	A
Customer 10	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,552,158	6,100,837
		kW	13,007	12,893
		Class A/B	B	A
Customer 11	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,290,614	2,061,701
		kW	4,186	4,133
		Class A/B	B	A
Customer 12	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,133,017	2,199,138
		kW	6,088	6,210
		Class A/B	B	A
Customer 13	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,491,467	7,032,934
		kW	12,583	13,054
		Class A/B	B	A
Customer 14	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,463,201	7,287,092
		kW	17,421	15,976
		Class A/B	B	A
Customer 15	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	860,662	985,492
		kW	5,538	5,431
		Class A/B	B	A
Customer 16	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,125,403	1,199,923
		kW	5,010	4,891
		Class A/B	B	A
Customer 17	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,104,673	2,358,147
		kW	7,425	7,791
		Class A/B	B	A
Customer 18	EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	-	24,300,393
		kW	-	75,108
		Class A/B	B	A

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

Customer	Rate Class		2017
Customer A1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	28,776,695
		kW	486,525
Customer A2	LARGE USE SERVICE CLASSIFICATION	kWh	27,903,813
		kW	57,991
Customer A3	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,083,743
		kW	33,852



# 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

2016

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

		Total	2017
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	331,157,229	331,157,229
Transition Customers' Class B Consumption (i.e. full year or partial year)	B	54,960,652	54,960,652
Transition Customers' Portion of Total Consumption	C=B/A	16.60%	

## Allocation of Total GA Balance \$

Total GA Balance	D	\$	263,089
Transition Customers Portion of GA Balance	E=C*D	\$	43,664
GA Balance to be disposed to Current Class B Customers through Rate Rider	F=D-E	\$	219,425

## Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		18				
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	% of kWh	Customer Specific GA Allocation for the Period When They Were a Class B customer	Monthly Equal Payments
Customer 1		1,921,466	1,921,466	3.50%	\$ 1,527	\$ 127
Customer 2		3,790,952	3,790,952	6.90%	\$ 3,012	\$ 251
Customer 3		5,825,782	5,825,782	10.60%	\$ 4,628	\$ 386
Customer 4		1,364,005	1,364,005	2.48%	\$ 1,084	\$ 90
Customer 5		1,957,831	1,957,831	3.56%	\$ 1,555	\$ 130
Customer 6		2,610,218	2,610,218	4.75%	\$ 2,074	\$ 173
Customer 7		3,163,509	3,163,509	5.76%	\$ 2,513	\$ 209
Customer 8		3,868,713	3,868,713	7.04%	\$ 3,074	\$ 256
Customer 9		1,436,983	1,436,983	2.61%	\$ 1,142	\$ 95
Customer 10		5,552,158	5,552,158	10.10%	\$ 4,411	\$ 368
Customer 11		2,290,614	2,290,614	4.17%	\$ 1,820	\$ 152
Customer 12		2,133,017	2,133,017	3.88%	\$ 1,695	\$ 141
Customer 13		6,491,467	6,491,467	11.81%	\$ 5,157	\$ 430
Customer 14		8,463,201	8,463,201	15.40%	\$ 6,724	\$ 560
Customer 15		860,662	860,662	1.57%	\$ 684	\$ 57
Customer 16		1,125,403	1,125,403	2.05%	\$ 894	\$ 75
Customer 17		2,104,673	2,104,673	3.83%	\$ 1,672	\$ 139
Customer 18		0	0	0.00%	\$ -	\$ -
Total		54,960,652	54,960,652	100.00%	\$ 43,664	

# 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 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	13,513,072	0	0	13,513,072	4.4%	\$9,663	\$0.0007 kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	21,428,377	0	0	21,428,377	7.0%	\$15,323	\$0.0007 kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	401,781,407	33,860,438	112,434,664	255,486,305	83.3%	\$182,692	\$0.0007 kWh
LARGE USE SERVICE CLASSIFICATION	kWh	36,169,526	27,903,813	0	8,265,713	2.7%	\$5,911	\$0.0007 kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	90,457	0	0	90,457	0.0%	\$65	\$0.0007 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	140,653	0	0	140,653	0.0%	\$101	\$0.0007 kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	4,040,160	0	0	4,040,160	1.3%	\$2,889	\$0.0007 kWh
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	28,192,492	0	24,300,393	3,892,099	1.3%	\$2,783	\$0.0007 kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	\$0	\$0.0000
<b>Total</b>		505,356,144	61,764,251	136,735,057	306,856,836	100.0%	\$219,427	



# 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.

2016

(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
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	331,157,229	331,157,229
Transition Customers' Class B Consumption (i.e. full year or partial year)	B	54,960,652	54,960,652
Transition Customers' Portion of Total Consumption	C=B/A	16.60%	276,196,577

## Allocation of Total CBR Class B Balance \$

Total CBR Class B Balance	D	-\$	29,236
Transition Customers Portion of CBR Class B Balance	E=D*C	-\$	4,852
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	F=D-E	-\$	24,383

## Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		17				
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	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer	Monthly Equal Payments
Customer 1		1,921,466	1,921,466	3.50%	170	14
Customer 2		3,790,952	3,790,952	6.90%	335	28
Customer 3		5,825,782	5,825,782	10.60%	514	43
Customer 4		1,364,005	1,364,005	2.48%	120	10
Customer 5		1,957,831	1,957,831	3.56%	173	14
Customer 6		2,610,218	2,610,218	4.75%	230	19
Customer 7		3,163,509	3,163,509	5.76%	279	23
Customer 8		3,868,713	3,868,713	7.04%	342	28
Customer 9		1,436,983	1,436,983	2.61%	127	11
Customer 10		5,552,158	5,552,158	10.10%	490	41
Customer 11		2,290,614	2,290,614	4.17%	202	17
Customer 12		2,133,017	2,133,017	3.88%	188	16
Customer 13		6,491,467	6,491,467	11.81%	573	48
Customer 14		8,463,201	8,463,201	15.40%	747	62
Customer 15		860,662	860,662	1.57%	76	6
Customer 16		1,125,403	1,125,403	2.05%	99	8
Customer 17		2,104,673	2,104,673	3.83%	186	15
Total		54,960,652	54,960,652	100.00%	4,852	404

## 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.

2016

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

	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
	Total Metered 2017 Consumption Minus WMP											
	kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	272,960,897	0	0	0	0	272,960,897	0	39.7%			kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	113,926,044	0	0	0	0	113,926,044	0	16.6%			kWh
GENERAL SERVICE 50 to 4,999 KW SERVICE CLASSIFICATION	kWh	429,509,946	1,163,502	33,860,438	520,377	112,434,664	269,970	283,214,844	373,155			kW
LARGE USE SERVICE CLASSIFICATION	kWh	36,169,526	180,462	27,903,813	57,991			8,265,713	122,471			kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,348,221	0	0	0	0	1,348,221	0	0.2%			kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	372,284	1,036	0	0	0	372,284	1,036	0.1%			kW
STREET LIGHTING SERVICE CLASSIFICATION	kWh	4,040,160	11,172	0	0	0	4,040,160	11,172	0.6%			kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	28,192,492	84,246	0	0	24,300,393	75,108	3,892,099	9,138			kW
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0	0	0	0.0%			kW
Total		886,519,570	1,440,418	61,764,251	578,368	136,735,057	345,078	688,020,262	516,972	100.0%		

If the allocated Account 1580 sub-account CBR Class B amount does not produce a rate rider in one or more rate class (except for the Standby rate class), a distributor is to transfer the entire OEB-approved CBR Class B amount into Account 1580 WMS control account to be disposed through the general purpose Group 1 DVA rate riders. (see Accounting Guidance, Capacity Based Recovery xxxxx, 2018)

# 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 <sup>2</sup>	Allocation of Group 1 Account Balances to Non- WMP Classes Only (if Applicable) <sup>2</sup>	Deferral/Variance Account Rate Rider <sup>2</sup>	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) <sup>2</sup>	Account 1568 Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	272,960,897	0	272,960,897	0	180,790		0.0007	0.0000	0.0001
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	113,926,044	0	113,926,044	0	85,445		0.0008	0.0000	0.0001
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	434,093,778	1,175,183	429,509,946	1,163,502	623,447	(277,871)	0.5305	(0.2388)	0.0852
LARGE USE SERVICE CLASSIFICATION	kW	36,169,526	180,462	36,169,526	180,462	22,163		0.1228	0.0000	0.0164
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,348,221	0	1,348,221	0	664		0.0005	0.0000	0.0000
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	372,284	1,036	372,284	1,036	183		0.1769	0.0000	0.0000
STREET LIGHTING SERVICE CLASSIFICATION	kW	4,040,160	11,172	4,040,160	11,172	5,206		0.4660	0.0000	0.2225
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	28,192,492	84,246	28,192,492	84,246	13,879		0.1647	0.0000	0.0000
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000

<sup>1</sup> 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.

<sup>2</sup> 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 2016 year, enter any Tax Credits from the Cost of Service Tax Calculation  
(Positive #)

51,000

### 1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2016	2018
Taxable Capital (if you are not claiming capital tax, please enter your OEB- Approved Rate Base)	86,380,208	\$ 86,380,208
Deduction from taxable capital up to \$15,000,000	\$ -	\$ -
Net Taxable Capital	\$ 86,380,208	\$ 86,380,208
Rate	0.00%	0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

### 2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income	\$ 530,144	\$ 530,144
Corporate Tax Rate	26.50%	26.50%
Tax Impact	\$ 140,488	\$ 89,488
<b>Grossed-up Tax Amount</b>	<b>\$ 121,752</b>	<b>\$ 121,753</b>
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 121,752	\$ 121,753
Total Tax Related Amounts	\$ 121,752	\$ 121,753
Incremental Tax Savings		\$ 1
<b>Sharing of Tax Amount (50%)</b>		<b>\$ 0</b>



# 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%
LARGE USE SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh							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%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STANDBY POWER SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
<b>Total</b>		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	272,960,897		0	0.00 \$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	113,926,044		0	0.0000 kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	434,093,778	1,175,183	0	0.0000 kW
LARGE USE SERVICE CLASSIFICATION	kW	36,169,526	180,462	0	0.0000 kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,348,221		0	0.0000 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	372,284	1,036	0	0.0000 kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	4,040,160	11,172	0	0.0000 kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	28,192,492	84,246	0	0.0000 kW
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000 kW
<b>Total</b>		891,103,402	1,452,099	\$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	272,960,897	0	1.0432	284,752,808
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058	272,960,897	0	1.0432	284,752,808
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059	113,926,044	0	1.0432	118,847,649
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051	113,926,044	0	1.0432	118,847,649
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6031	434,093,778	1,175,183		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.1767	434,093,778	1,175,183		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.7620	36,169,526	180,462		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.3930	36,169,526	180,462		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059	1,348,221	0	1.0432	1,406,464
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051	1,348,221	0	1.0432	1,406,464
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9122	372,284	1,036		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6359	372,284	1,036		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8926	4,040,160	11,172		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5978	4,040,160	11,172		
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6031	28,192,492	84,246		
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1767	28,192,492	84,246		

# 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				75,988	\$3.66	\$ 278,116		78,732	\$0.87	\$ 68,497		78,732	\$2.02	\$ 159,039		\$ 227,535	
February				72,860	\$3.66	\$ 266,668		74,319	\$0.87	\$ 64,658		74,319	\$2.02	\$ 150,124		\$ 214,782	
March				69,724	\$3.66	\$ 255,190		72,627	\$0.87	\$ 63,185		72,627	\$2.02	\$ 146,707		\$ 209,892	
April				66,771	\$3.66	\$ 244,382		68,429	\$0.87	\$ 59,533		68,429	\$2.02	\$ 138,227		\$ 197,760	
May				63,924	\$3.66	\$ 233,962		65,976	\$0.87	\$ 57,399		65,976	\$2.02	\$ 133,272		\$ 190,671	
June				82,890	\$3.66	\$ 303,377		85,738	\$0.87	\$ 74,592		85,738	\$2.02	\$ 173,191		\$ 247,783	
July				97,631	\$3.66	\$ 357,329		105,465	\$0.87	\$ 91,755		105,465	\$2.02	\$ 213,039		\$ 304,794	
August				107,292	\$3.66	\$ 392,689		118,885	\$0.87	\$ 103,430		118,885	\$2.02	\$ 240,148		\$ 343,578	
September				121,068	\$3.66	\$ 443,109		126,792	\$0.87	\$ 110,309		126,792	\$2.02	\$ 256,120		\$ 366,429	
October				95,886	\$3.66	\$ 350,943		98,440	\$0.87	\$ 85,643		98,440	\$2.02	\$ 198,849		\$ 284,492	
November				89,181	\$3.52	\$ 313,917		96,705	\$0.88	\$ 85,100		96,705	\$2.13	\$ 205,982		\$ 291,082	
December				92,118	\$3.52	\$ 324,255		98,210	\$0.88	\$ 86,425		98,210	\$2.13	\$ 209,187		\$ 295,612	
Total				1,035,333	3.64	\$ 3,763,937		1,090,318	0.87	\$ 950,526		1,090,318	2.04	\$ 2,223,883		\$ 3,174,409	

Hydro One				Network				Line Connection				Transformation Connection				Total Connection	
Month				Units Billed	Rate	Amount		Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount	
January				61,225	\$3.1942	\$ 195,565		54,719	\$0.7710	\$ 42,188		50,175	\$1.7493	\$ 87,770		\$ 129,958	
February				65,245	\$3.1942	\$ 208,404		53,747	\$0.7710	\$ 41,439		54,020	\$1.7493	\$ 94,619		\$ 138,058	
March				54,640	\$3.1942	\$ 174,532		49,850	\$0.7710	\$ 38,435		44,471	\$1.7493	\$ 77,792		\$ 116,227	
April				70,446	\$3.1942	\$ 225,017		65,286	\$0.7710	\$ 50,335		59,438	\$1.7493	\$ 103,976		\$ 154,311	
May				68,931	\$3.1942	\$ 220,180		67,170	\$0.7710	\$ 51,788		57,491	\$1.7493	\$ 100,569		\$ 152,357	
June				88,138	\$3.1942	\$ 281,530		84,950	\$0.7710	\$ 65,497		74,139	\$1.7493	\$ 129,692		\$ 195,189	
July				90,380	\$3.1942	\$ 288,692		88,243	\$0.7710	\$ 68,035		77,261	\$1.7493	\$ 135,153		\$ 203,188	
August				93,665	\$3.1942	\$ 299,186		85,107	\$0.7710	\$ 65,618		78,779	\$1.7493	\$ 137,807		\$ 203,425	
September				69,885	\$3.1942	\$ 223,228		66,603	\$0.7710	\$ 51,351		55,052	\$1.7493	\$ 96,302		\$ 147,653	
October				54,510	\$3.1942	\$ 174,116		52,682	\$0.7710	\$ 40,618		41,757	\$1.7493	\$ 73,046		\$ 113,664	
November				52,746	\$3.1942	\$ 168,481		50,399	\$0.7710	\$ 38,858		46,911	\$1.7493	\$ 82,062		\$ 120,919	
December				61,799	\$3.1942	\$ 197,399		54,184	\$0.7710	\$ 41,776		48,982	\$1.7493	\$ 85,685		\$ 127,461	
Total				831,610	3.1942	\$ 2,656,329		772,939	0.7710	\$ 595,936		688,546	1.7493	\$ 1,204,473		\$ 1,800,409	

Add Extra Host Here (I) (if needed)				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) (if needed)				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				-	\$ -	\$ -		-	\$ -	\$ -		-	\$ -	\$ -		\$ -	

# 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	75,988	\$ 3.6100	\$ 274,317	78,732	\$ 0.9500	\$ 74,795	78,732	\$ 2.3400	\$ 184,233	\$ 259,028
February	72,860	\$ 3.6100	\$ 263,025	74,319	\$ 0.9500	\$ 70,603	74,319	\$ 2.3400	\$ 173,906	\$ 244,510
March	69,724	\$ 3.6100	\$ 251,704	72,627	\$ 0.9500	\$ 68,996	72,627	\$ 2.3400	\$ 169,947	\$ 238,943
April	66,771	\$ 3.6100	\$ 241,043	68,429	\$ 0.9500	\$ 65,008	68,429	\$ 2.3400	\$ 160,124	\$ 225,131
May	63,924	\$ 3.6100	\$ 230,766	65,976	\$ 0.9500	\$ 62,677	65,976	\$ 2.3400	\$ 154,384	\$ 217,061
June	62,890	\$ 3.6100	\$ 229,233	85,738	\$ 0.9500	\$ 81,451	85,738	\$ 2.3400	\$ 200,627	\$ 282,078
July	97,631	\$ 3.6100	\$ 352,448	105,465	\$ 0.9500	\$ 100,192	105,465	\$ 2.3400	\$ 246,788	\$ 346,980
August	107,292	\$ 3.6100	\$ 387,324	118,885	\$ 0.9500	\$ 112,941	118,885	\$ 2.3400	\$ 278,191	\$ 391,132
September	121,068	\$ 3.6100	\$ 437,055	126,792	\$ 0.9500	\$ 120,452	126,792	\$ 2.3400	\$ 296,693	\$ 417,146
October	95,886	\$ 3.6100	\$ 346,148	98,440	\$ 0.9500	\$ 93,518	98,440	\$ 2.3400	\$ 230,350	\$ 323,868
November	89,181	\$ 3.6100	\$ 321,943	96,705	\$ 0.9500	\$ 91,870	96,705	\$ 2.3400	\$ 226,290	\$ 318,159
December	92,118	\$ 3.6100	\$ 332,546	98,210	\$ 0.9500	\$ 93,300	98,210	\$ 2.3400	\$ 229,811	\$ 323,111
<b>Total</b>	<b>1,035,333</b>	<b>\$ 3.61</b>	<b>\$ 3,737,552</b>	<b>1,090,318</b>	<b>\$ 0.95</b>	<b>\$ 1,035,802</b>	<b>1,090,318</b>	<b>\$ 2.34</b>	<b>\$ 2,551,344</b>	<b>\$ 3,587,146</b>

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	61,225	\$ 3.1942	\$ 195,565	54,719	\$ 0.7710	\$ 42,188	50,175	\$ 1.7493	\$ 87,770	\$ 129,958
February	65,245	\$ 3.1942	\$ 208,404	53,747	\$ 0.7710	\$ 41,439	54,090	\$ 1.7493	\$ 94,619	\$ 136,058
March	54,640	\$ 3.1942	\$ 174,532	49,850	\$ 0.7710	\$ 38,435	44,471	\$ 1.7493	\$ 77,792	\$ 116,227
April	70,446	\$ 3.1942	\$ 225,017	65,286	\$ 0.7710	\$ 50,335	59,438	\$ 1.7493	\$ 103,976	\$ 154,311
May	68,931	\$ 3.1942	\$ 220,179	67,170	\$ 0.7710	\$ 51,788	57,491	\$ 1.7493	\$ 100,569	\$ 152,357
June	88,138	\$ 3.1942	\$ 281,530	84,950	\$ 0.7710	\$ 65,497	74,139	\$ 1.7493	\$ 129,692	\$ 195,189
July	90,380	\$ 3.1942	\$ 288,892	88,243	\$ 0.7710	\$ 68,035	77,261	\$ 1.7493	\$ 135,153	\$ 203,188
August	93,665	\$ 3.1942	\$ 299,186	85,107	\$ 0.7710	\$ 65,618	78,779	\$ 1.7493	\$ 137,807	\$ 203,425
September	69,885	\$ 3.1942	\$ 223,228	66,603	\$ 0.7710	\$ 51,351	55,052	\$ 1.7493	\$ 96,302	\$ 147,653
October	54,510	\$ 3.1942	\$ 174,116	52,682	\$ 0.7710	\$ 40,618	41,757	\$ 1.7493	\$ 73,046	\$ 113,664
November	52,746	\$ 3.1942	\$ 168,481	50,399	\$ 0.7710	\$ 38,858	46,911	\$ 1.7493	\$ 82,062	\$ 120,919
December	61,799	\$ 3.1942	\$ 197,398	54,184	\$ 0.7710	\$ 41,776	48,982	\$ 1.7493	\$ 85,685	\$ 127,461
<b>Total</b>	<b>831,610</b>	<b>\$ 3.19</b>	<b>\$ 2,656,328</b>	<b>772,939</b>	<b>\$ 0.77</b>	<b>\$ 595,936</b>	<b>688,546</b>	<b>\$ 1.75</b>	<b>\$ 1,204,473</b>	<b>\$ 1,800,410</b>

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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	137,213	\$ 3.4245	\$ 469,882	133,451	\$ 0.8766	\$ 116,983	128,907	\$ 2.1101	\$ 272,003	\$ 388,987
February	138,105	\$ 3.4136	\$ 471,429	128,066	\$ 0.8749	\$ 112,042	128,409	\$ 2.0912	\$ 268,525	\$ 380,567
March	124,364	\$ 3.4273	\$ 426,236	122,477	\$ 0.8771	\$ 107,430	117,098	\$ 2.1157	\$ 247,739	\$ 355,170
April	137,217	\$ 3.3965	\$ 466,061	133,715	\$ 0.8626	\$ 115,343	127,867	\$ 2.0654	\$ 264,099	\$ 379,442
May	132,855	\$ 3.3943	\$ 450,945	133,146	\$ 0.8597	\$ 114,465	123,467	\$ 2.0649	\$ 254,953	\$ 369,418
June	171,028	\$ 3.3957	\$ 580,763	170,688	\$ 0.8609	\$ 146,948	159,877	\$ 2.0661	\$ 330,319	\$ 477,267
July	188,011	\$ 3.4101	\$ 641,140	193,708	\$ 0.8685	\$ 168,227	182,726	\$ 2.0902	\$ 381,941	\$ 550,168
August	200,957	\$ 3.4162	\$ 686,510	203,992	\$ 0.8753	\$ 178,558	197,664	\$ 2.1046	\$ 415,988	\$ 594,557
September	190,953	\$ 3.4578	\$ 660,283	193,395	\$ 0.8884	\$ 171,803	181,844	\$ 2.1612	\$ 392,995	\$ 564,798
October	150,396	\$ 3.4593	\$ 520,264	151,122	\$ 0.8876	\$ 134,136	140,197	\$ 2.1641	\$ 303,396	\$ 437,531
November	141,927	\$ 3.4555	\$ 490,424	147,104	\$ 0.8887	\$ 130,727	143,616	\$ 2.1471	\$ 308,351	\$ 438,079
December	153,917	\$ 3.4431	\$ 529,944	152,394	\$ 0.8864	\$ 135,075	147,192	\$ 2.1434	\$ 315,496	\$ 450,572
<b>Total</b>	<b>1,866,943</b>	<b>\$ 3.42</b>	<b>\$ 6,393,881</b>	<b>1,863,257</b>	<b>\$ 0.88</b>	<b>\$ 1,631,738</b>	<b>1,778,864</b>	<b>\$ 2.11</b>	<b>\$ 3,755,817</b>	<b>\$ 5,387,556</b>

Low Voltage Switchgear Credit (If applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										<u>\$ 5,387,556</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	75,988	\$ 3.6100	\$ 274,317	78,732	\$ 0.9500	\$ 74,795	78,732	\$ 2.3400	\$ 184,233	\$ 259,028
February	72,860	\$ 3.6100	\$ 263,025	74,319	\$ 0.9500	\$ 70,603	74,319	\$ 2.3400	\$ 173,906	\$ 244,510
March	69,724	\$ 3.6100	\$ 251,704	72,627	\$ 0.9500	\$ 68,996	72,627	\$ 2.3400	\$ 169,947	\$ 238,943
April	66,771	\$ 3.6100	\$ 241,043	68,429	\$ 0.9500	\$ 65,008	68,429	\$ 2.3400	\$ 160,124	\$ 225,131
May	63,924	\$ 3.6100	\$ 230,766	65,976	\$ 0.9500	\$ 62,677	65,976	\$ 2.3400	\$ 154,384	\$ 217,061
June	82,890	\$ 3.6100	\$ 299,233	85,738	\$ 0.9500	\$ 81,451	85,738	\$ 2.3400	\$ 200,627	\$ 282,078
July	97,631	\$ 3.6100	\$ 352,448	105,465	\$ 0.9500	\$ 100,192	105,465	\$ 2.3400	\$ 246,788	\$ 346,980
August	107,292	\$ 3.6100	\$ 387,324	118,885	\$ 0.9500	\$ 112,941	118,885	\$ 2.3400	\$ 278,191	\$ 391,132
September	121,068	\$ 3.6100	\$ 437,055	126,792	\$ 0.9500	\$ 120,452	126,792	\$ 2.3400	\$ 296,693	\$ 417,146
October	95,886	\$ 3.6100	\$ 346,148	98,440	\$ 0.9500	\$ 93,518	98,440	\$ 2.3400	\$ 230,350	\$ 323,868
November	89,181	\$ 3.6100	\$ 321,943	96,705	\$ 0.9500	\$ 91,870	96,705	\$ 2.3400	\$ 226,290	\$ 318,159
December	92,118	\$ 3.6100	\$ 332,546	98,210	\$ 0.9500	\$ 93,300	98,210	\$ 2.3400	\$ 229,811	\$ 323,111
<b>Total</b>	<b>1,035,333</b>	<b>\$ 3.61</b>	<b>\$ 3,737,552</b>	<b>1,090,318</b>	<b>\$ 0.95</b>	<b>\$ 1,035,802</b>	<b>1,090,318</b>	<b>\$ 2.34</b>	<b>\$ 2,551,344</b>	<b>\$ 3,587,146</b>

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	61,225	\$ 3.1942	\$ 195,565	54,719	\$ 0.7710	\$ 42,188	50,175	\$ 1.7493	\$ 87,770	\$ 129,958
February	65,245	\$ 3.1942	\$ 208,404	53,747	\$ 0.7710	\$ 41,439	54,090	\$ 1.7493	\$ 94,619	\$ 136,058
March	54,640	\$ 3.1942	\$ 174,532	49,850	\$ 0.7710	\$ 38,435	44,771	\$ 1.7493	\$ 77,792	\$ 116,227
April	70,446	\$ 3.1942	\$ 225,017	65,286	\$ 0.7710	\$ 50,335	59,438	\$ 1.7493	\$ 103,976	\$ 154,311
May	68,931	\$ 3.1942	\$ 220,179	67,170	\$ 0.7710	\$ 51,788	57,491	\$ 1.7493	\$ 100,569	\$ 152,357
June	88,138	\$ 3.1942	\$ 281,530	84,950	\$ 0.7710	\$ 65,497	74,139	\$ 1.7493	\$ 129,692	\$ 195,189
July	90,380	\$ 3.1942	\$ 288,692	88,243	\$ 0.7710	\$ 68,035	77,261	\$ 1.7493	\$ 135,153	\$ 203,188
August	93,665	\$ 3.1942	\$ 299,186	85,107	\$ 0.7710	\$ 65,618	78,779	\$ 1.7493	\$ 137,807	\$ 203,425
September	69,885	\$ 3.1942	\$ 223,228	66,603	\$ 0.7710	\$ 51,351	55,052	\$ 1.7493	\$ 96,302	\$ 147,653
October	54,510	\$ 3.1942	\$ 174,116	52,682	\$ 0.7710	\$ 40,618	41,557	\$ 1.7493	\$ 73,046	\$ 113,664
November	52,746	\$ 3.1942	\$ 168,481	50,399	\$ 0.7710	\$ 38,858	46,911	\$ 1.7493	\$ 82,062	\$ 120,919
December	61,799	\$ 3.1942	\$ 197,398	54,184	\$ 0.7710	\$ 41,776	48,982	\$ 1.7493	\$ 85,685	\$ 127,461
<b>Total</b>	<b>831,610</b>	<b>\$ 3.19</b>	<b>\$ 2,656,329</b>	<b>772,939</b>	<b>\$ 0.77</b>	<b>\$ 595,936</b>	<b>688,546</b>	<b>\$ 1.75</b>	<b>\$ 1,204,473</b>	<b>\$ 1,800,410</b>

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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	137,213	\$ 3.42	\$ 469,882	133,451	\$ 0.88	\$ 116,983	128,907	\$ 2.11	\$ 272,003	\$ 388,987
February	138,105	\$ 3.41	\$ 471,429	128,066	\$ 0.87	\$ 112,042	128,409	\$ 2.09	\$ 268,525	\$ 380,567
March	124,364	\$ 3.43	\$ 426,236	122,477	\$ 0.88	\$ 107,430	117,088	\$ 2.12	\$ 247,739	\$ 355,170
April	137,217	\$ 3.40	\$ 466,061	133,715	\$ 0.86	\$ 115,943	127,867	\$ 2.07	\$ 264,099	\$ 379,442
May	132,855	\$ 3.39	\$ 450,945	133,146	\$ 0.86	\$ 114,465	123,467	\$ 2.06	\$ 254,953	\$ 369,418
June	171,028	\$ 3.40	\$ 580,763	170,688	\$ 0.86	\$ 146,948	159,877	\$ 2.07	\$ 330,319	\$ 477,267
July	188,011	\$ 3.41	\$ 641,140	193,708	\$ 0.87	\$ 168,227	182,726	\$ 2.09	\$ 381,941	\$ 550,168
August	200,957	\$ 3.42	\$ 686,510	203,992	\$ 0.88	\$ 178,558	197,664	\$ 2.10	\$ 415,998	\$ 594,557
September	190,953	\$ 3.46	\$ 660,283	193,395	\$ 0.89	\$ 171,803	181,844	\$ 2.16	\$ 392,995	\$ 564,798
October	150,396	\$ 3.46	\$ 520,264	151,122	\$ 0.89	\$ 134,136	140,197	\$ 2.16	\$ 303,396	\$ 437,531
November	141,927	\$ 3.46	\$ 490,424	147,104	\$ 0.89	\$ 130,727	143,616	\$ 2.15	\$ 308,351	\$ 439,079
December	153,917	\$ 3.44	\$ 529,944	152,394	\$ 0.89	\$ 135,075	147,192	\$ 2.14	\$ 315,496	\$ 450,572
<b>Total</b>	<b>1,866,943</b>	<b>\$ 3.42</b>	<b>\$ 6,393,881</b>	<b>1,863,257</b>	<b>\$ 0.88</b>	<b>\$ 1,631,738</b>	<b>1,778,864</b>	<b>\$ 2.11</b>	<b>\$ 3,755,817</b>	<b>\$ 5,387,556</b>

Low Voltage Switchgear Credit (if applicable)	\$ -
<b>Total including deduction for Low Voltage Switchgear Credit</b>	<b>\$ 5,387,556</b>

## 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	284,752,808	0	1,936,319	30.0%	1,920,723	0.0067
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059	118,847,649	0	701,201	10.9%	695,553	0.0059
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6031		1,175,183	3,059,119	47.5%	3,034,479	2.5821
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.7620		180,462	498,436	7.7%	494,421	2.7398
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059	1,406,464	0	8,298	0.1%	8,231	0.0059
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9122		1,036	1,981	0.0%	1,965	1.8968
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8926		11,172	21,144	0.3%	20,974	1.8774
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6031		84,246	219,301	3.4%	217,534	2.5821

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	0.0058	284,752,808	0	1,651,566	30.3%	1,630,354	0.0057
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051	118,847,649	0	606,123	11.1%	598,338	0.0050
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.1767		1,175,183	2,558,021	46.9%	2,525,166	2.1487
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.3930		180,462	431,846	7.9%	426,299	2.3623
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051	1,406,464	0	7,173	0.1%	7,081	0.0050
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6359		1,036	1,695	0.0%	1,673	1.6149
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5978		11,172	17,851	0.3%	17,621	1.5773
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1767		84,246	183,378	3.4%	181,023	2.1487

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	284,752,808	0	1,920,723	30.0%	1,920,723	<b>0.0067</b>
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059	118,847,649	0	695,553	10.9%	695,553	<b>0.0059</b>
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.5821		1,175,183	3,034,479	47.5%	3,034,479	<b>2.5821</b>
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.7398		180,462	494,421	7.7%	494,421	<b>2.7398</b>
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059	1,406,464	0	8,231	0.1%	8,231	<b>0.0059</b>
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8968		1,036	1,965	0.0%	1,965	<b>1.8968</b>
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.8774		11,172	20,974	0.3%	20,974	<b>1.8774</b>
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.5821		84,246	217,534	3.4%	217,534	<b>2.5821</b>

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	0.0057	284,752,808	0	1,630,354	30.3%	1,630,354	<b>0.0057</b>
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050	118,847,649	0	598,338	11.1%	598,338	<b>0.0050</b>
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.1487		1,175,183	2,525,166	46.9%	2,525,166	<b>2.1487</b>
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.3623		180,462	426,299	7.9%	426,299	<b>2.3623</b>
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050	1,406,464	0	7,081	0.1%	7,081	<b>0.0050</b>
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6149		1,036	1,673	0.0%	1,673	<b>1.6149</b>
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5773		11,172	17,621	0.3%	17,621	<b>1.5773</b>
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1487		84,246	181,023	3.4%	181,023	<b>2.1487</b>

# 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)	36,333	Effective Year of Residential Rate Design Transition (yyyy)	2016
Choose Stretch Factor Group	II	Price Cap Index	1.05%	Billed kWh for Residential Class (approved in the last CoS)	280,420,230	OEB-approved # of Transition Years	4
Associated Stretch Factor Value	0.15%	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	22.9		0.0026		1.05%	24.83	0.0000		
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	30.84		0.0102		1.05%	31.16	0.0103		
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	100.01		3.3126		1.05%	101.06	3.3474		
LARGE USE SERVICE CLASSIFICATION	1526.2		2.3307		1.05%	1,542.23	2.3552		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	8.26		0.0015		1.05%	8.35	0.0015		
SENTINEL LIGHTING SERVICE CLASSIFICATION	7.51		0.6728		1.05%	7.59	0.6799		
STREET LIGHTING SERVICE CLASSIFICATION	1.14		0.9594		1.05%	1.15	0.9695		
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	132.5				1.05%	133.89	0.0000		
STANDBY POWER SERVICE CLASSIFICATION	**				1.05%	**	**		
microFIT SERVICE CLASSIFICATION	5.4					5.4			
		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates <sup>1</sup>	Revenue at New F/V Split	
Rate Design Transition									
Current Residential Fixed Rate (inclusive of R/C adj.)		22.9000	9,984,308	93.2%	6.8%	1.67	100.0%	24.57	10,712,422
Current Residential Variable Rate (inclusive of R/C adj.)		0.0026	729,093	6.8%			0.0%	0.0000	0
			10,713,401						10,712,422

<sup>1</sup> 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.

\*\*Please note Standby rates 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-Main's IESO Settlement Process

## THE ENTEGRUS-MAIN DISTRIBUTION SYSTEM

Two of Entegrus-Main's service areas, the City of Chatham and the adjacent Bloomfield Business Park, are directly connected to the Hydro One Networks Inc. ("HONI") transmission system. The remaining service areas for the Entegrus-Main are embedded within HONI's distribution system. Accordingly, Entegrus settles with both the IESO and HONI (as its host distributor).

It should be noted that Entegrus is also a sub-host distributor to HONI at the Dresden Distribution Station ("Dresden DS"). HONI owns and operates the Dresden DS, which is located inside Entegrus-Main's service territory, and consultation with HONI in preparation for the Entegrus-Main 2016 COS Application (EB-2015-0061), confirmed that the Dresden point is virtually embedded to Entegrus-Main.

## THE ENTEGRUS-MAIN IESO SETTLEMENT PROCESS

On a monthly basis, Entegrus-Main receives an invoice 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 ensures that the IESO and Entegrus-Main appropriately settle for 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
- Renewable Energy Standard Offer (RESOP) Program – charge type 1410
- 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**

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Entegrus-Main calculates and submits the difference between Regulated Price Plan (“RPP”) rates applied to RPP customers and the sum of the corresponding customer consumption multiplied by the Weighted Average Purchase Price (“WAPP”) and Global Adjustment (“GA”) in the IESO Form (formerly 1598) each month.

The purchase data is sourced from Entegrus-Main’s Advanced Metering Infrastructure (“AMI”) software on Day 3 of the month. The AMI data tracks the appropriate kWh and associated pricing. The AMI software ensures the amounts reported tie to the necessary sources (i.e. both IESO and HONI meter data and pricing), and includes the particulars for all embedded generation within its service territory.

Entegrus-Main utilizes accrual accounting and estimates RPP customer consumption by applying the applicable prior year month’s percentage of RPP consumption to the current month’s kWh’s purchased. Entegrus-Main then applies the current period RPP rates, estimated WAPP and Class B 1<sup>st</sup> GA rates to calculate the RPP Settlement Amount. The amount settled with the IESO is the difference between the sum of the WAPP and GA calculation minus the billed RPP commodity (at the applicable TOU or tier pricing.)

The following month, Entegrus-Main updates the above rates to the Actual WAPP and the Class B Actual GA rate and submits any variances to the IESO.

Upon the completion of all RPP customer billing cycles, stat reports are run from the Entegrus-Main Customer Information System (“CIS”), which provides detail for each rate/billing type (including different TOU periods or Tier 1 and 2 blocks). Entegrus-Main completes a reconciliation between estimated consumption and actual billed consumption. 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.

Entegrus-Main maintains separate general ledger accounts to track the RPP settlement and GA settlement portions, which are both tracked in USoA 4705 account.

Entegrus-Main determines RPP eligibility for Residential and small business (General Service < 50 kW) customers by performing annual customer reclassification based on annual consumption.

Starting in 2016, Entegrus-Main commenced calculating the required December RPP / GA true-up once all volumes and prices were definitively known in January. Entegrus-Main subsequently records the true-up in the general ledger prior to closing the fiscal year. This removes the risk of estimation error at year end. This approach is consistent with the Board guidance contained in its letter dated May 23, 2017, prior to which Entegrus-Main had already commenced this practice.

## **INTERNAL CONTROL PROCESS**

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On a monthly basis, a reconciliation reporting package of all Deferral and Variance Accounts (“DVA”) balances (including Accounts 1588 and 1589) is prepared by the Manager of Regulatory & Reporting. This reporting package splits out price variances, volumes variances and estimate versus actual variances, and provides the basis for a monthly meeting in which account level activity is reviewed by the CFO, VP of Regulatory & Human Resources, Director of Finance, Senior Manager of Finance & Projects and other staff. On an annual basis, an external audit firm conducts an audit of the Entegrus financial statements, which is inclusive of all DVA balances.

## **THE GLOBAL ADJUSTMENT SETTLEMENT PROCESS**

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On a monthly basis, Entegrus-Main 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**

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

As of December 31, 2015, EPI had three Class A customers, who are billed on their top five peak Ontario demand hours as described above. This did not change throughout 2016 – the same three customers remained as Class A and no additional Class A customers were added. In 2017, driven by the Fair Hydro Plan change to the ICI threshold, Entegrus-Main added 17 additional Class A customers effective July 1, 2017. Accordingly, Entegrus-Main now has a total of 20 Class A customers.

Entegrus-Main's peak demand factor for the July 1, 2015 to June 30, 2016 period was 0.00033500, for the July 1, 2016 to June 30, 2017 period was 0.00037034 and for July 1, 2017 to June 30, 2018 was 0.00108408.

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## **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 (1<sup>st</sup> Estimate, 2<sup>nd</sup> Estimate and Actual) which can be used by distributors to bill customers.

Entegrus-Main currently bills all Class B customers using the 1<sup>st</sup> Estimate Variation, including Residential, GS < 50kW, GS > 50kW-4,999 kW, Large Use, Unmetered Scattered Load, Sentinel Light and Street Light customers.

Entegrus-Main does not bill any Class B customers utilizing the 2<sup>nd</sup> Estimate or Actual GA rates.

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## **RENEWABLE ENERGY STANDARD OFFER PROGRAM (RESOP) SETTLEMENT AMOUNT**

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Entegrus-Main has one customer under the RESOP program. Each month, the associated general ledger activity is used to determine the actual credit amounts remitted during the month to the RESOP customer. Thereafter, the RESOP credit, minus HOEP, is settled with the IESO.

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## **FEED-IN-TARIFF PROGRAM SETTLEMENT AMOUNT**

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Entegrus-Main maintains general ledger accounts that 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 Entegrus-Main's distribution system from FIT and microFIT generators (found by multiplying the corresponding kWh generated by HOEP for the applicable billing period).

Entegrus-Main settles with the IESO for the difference between the credits issued to customers and the value of the electricity commodity which has been generated and sold within Entegrus-Main's distribution system.

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## **ONTARIO ELECTRICITY SUPPORT PROGRAM ("OESP")**

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Entegrus-Main determines the value of OESP credits applied to qualified low-income customer accounts 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 compensates Entegrus-Main for its OESP credits issued under IESO charge type 1420.

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## **GLOBAL ADJUSTMENT MODIFIER**

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Entegrus-Main determines the value of the GA Modifier to qualified accounts 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 compensates Entegrus-Main for its GA Modifier credits issues under IESO charge type 1143.

## **ONTARIO REBATE FOR ELECTRICITY CONSUMERS**

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Entegrus-Main determines the value of the Ontario Rebate for Electricity Consumers (“OREC”) to qualified accounts 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 compensates Entegrus-Main for its OREC amounts issued under IESO charge type 9982.

## **THE HOST DISTRIBUTOR SETTLEMENT PROCESS**

As noted above, certain points within Entegrus-Main’s distribution system are embedded within the HONI distribution system.

For these points, Entegrus-Main receives a monthly invoice from HONI for the associated charges (including commodity, global adjustment, rate riders, retail transmission charges, etc.).

Entegrus-Main processes and pays these invoices on a monthly basis, recording the associated charges in the appropriate general ledger accounts as prescribed by the Accounting Procedures Handbook.



# **ATTACHMENT D**

## GA Analysis Workform

Issued July 12, 2018



# 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	886,519,569	kWh	100%
RPP	A	381,163,425	kWh	43.0%
Non RPP	B = D+E	505,356,144	kWh	57.0%
Non-RPP Class A	D	119,238,264	kWh	13.5%
Non-RPP Class B*	E	386,117,880	kWh	43.6%

\*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	29,363,041	33,834,385	39,691,757	35,220,413	0.06687	\$ 2,355,189	0.08227	\$ 2,897,583	\$ 542,394
February	36,485,017	39,691,757	34,723,054	31,516,315	0.10559	\$ 3,327,808	0.08639	\$ 2,722,694	-\$ 605,113
March	32,243,265	34,723,054	38,438,214	35,958,425	0.08409	\$ 3,023,744	0.07135	\$ 2,565,634	-\$ 458,110
April	35,493,840	38,438,214	34,682,411	31,738,036	0.06874	\$ 2,181,673	0.10778	\$ 3,420,726	\$ 1,239,053
May	31,027,776	34,682,411	38,613,998	34,959,363	0.10623	\$ 3,713,733	0.12307	\$ 4,302,449	\$ 588,716
June	34,973,258	38,613,998	40,706,484	37,065,745	0.11954	\$ 4,430,839	0.11848	\$ 4,391,549	-\$ 39,290
July	27,916,004	40,706,484	42,094,750	29,304,269	0.10652	\$ 3,121,491	0.11280	\$ 3,305,522	\$ 184,031
August	37,415,983	42,094,750	34,965,760	30,286,994	0.11500	\$ 3,483,004	0.10109	\$ 3,061,712	-\$ 421,292
September	18,847,444	34,965,760	44,219,214	28,100,898	0.12739	\$ 3,579,773	0.08864	\$ 2,490,864	-\$ 1,088,910
October	28,289,030	44,219,214	44,319,635	28,389,451	0.10212	\$ 2,899,131	0.12563	\$ 3,566,567	\$ 667,436
November	34,393,176	44,319,635	37,681,158	27,754,700	0.11164	\$ 3,098,535	0.09704	\$ 2,693,316	-\$ 405,219
December	31,174,803	37,681,158	33,355,638	26,849,282	0.08391	\$ 2,252,923	0.09207	\$ 2,472,013	\$ 219,090
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>377,622,637</b>	<b>463,970,820</b>	<b>463,492,073</b>	<b>377,143,890</b>		<b>\$ 37,467,843</b>		<b>\$ 37,890,629</b>	<b>\$ 422,786</b>

Calculated Loss Factor

0.9768

Note 5 **Reconciling Items**

	Item	Amount	Explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	<b>\$ 146,981</b>	
1a	True-up of GA Charges based on Actual Non-RPP Volumes prior year	\$ -	Effective December 31, 2016, Entegrus commenced calculating the necessary RPP true up in January and accruing for the adjustment prior to the year end close. Accordingly, the 2017 balance does not have any 2016
1b	True-up of GA Charges based on Actual Non-RPP Volumes current year	\$ -	Effective December 31, 2016, Entegrus commenced calculating the necessary RPP true up in January and accruing for the adjustment prior to the year end close. Accordingly, the 2017 balance reflects all necessary 2017 RPP
2a	Remove prior year end unbilled to actual revenue differences	-\$ 5,791	Reversal from 2016 GA Analysis Workform related to December 2016 estimate/actual variances recorded in the G/L in January 2017.
2b	Add current year end unbilled to actual revenue differences	-\$ 1,035	Balance reflects December 2017 estimate/actual variances recorded in the G/L in January 2018.
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers	\$ 85,762	Reversal from 2016 GA Analysis Workform related to 2016 LTLT amounts booked in 2017 (which were not accrued for in 2016.)
3b	Add difference between current year accrual/forecast to actual from long term load transfers	-\$ 18,832	Balance reflects 2017 LTLT amounts booked in 2018. These amounts have not been accrued for in 2017.

4	Remove GA balances pertaining to Class A customers	\$ -	Not Applicable. All Class A amounts are handled separately from this account and do not generate any variances.
5	Significant prior period billing adjustments recorded in current year	\$ -	Entegrus made no prior period billing adjustments.
6	Differences in GA IESO posted rate and rate charged on IESO invoice	\$ 163,204	During the course of 2017, Entegrus experienced multiple occasions when the GA rate charged to Entegrus as per the IESO invoice did not match the GA Actual rate posted on the IESO website. Upon follow-up with the IESO,
7	Differences in actual system losses and billed TLFs		
8	Others as justified by distributor		
9	HONI Expense purchase true up	\$ 37,134	Reversal from 2016 GA Analysis Workform related to December 2016 estimate/actual variances recorded in the
10			

Note 6	Adjusted Net Change in Principal Balance in the GL	\$ 407,423
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 422,786
	Unresolved Difference	-\$ 15,363
	Unresolved Difference as % of Expected GA Payments to IESO	<u>0.0%</u>

# **ATTACHMENT E**

## Account 1595 Analysis Workform

Issued July 12, 2018



Ontario Energy Board

# 1595 Analysis Workform

Version 1.0

## Account 1595 Analysis Workform

Input cells  
Drop down cells


Utility Name

ENTEGRUS POWERLINES 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		\$47,718	\$687	\$48,383	\$42,676	\$5,707	\$1,442	\$7,149	11.8%
Account 1589 - Global Adjustment		\$74,389	\$2,140	\$76,539	\$63,069	\$13,480	\$2,305	\$15,785	17.8%
Total Group 1 and Group 2 Balances		\$122,115	\$2,807	\$124,922	\$105,736	\$19,186	\$3,747	\$22,933	15.4%

\*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.

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 - RSA - GLOBAL ADJUSTMENT  
☐ RATE RIDER - RSA - GROUP 2 ACCOUNTS (if a separate Group 2 rate rider was created)  
☒ OTHER 1  
☐ OTHER 2  
☐ OTHER 3

Step 3

RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)

Rate Rider Recovery Period (Months)

48

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	\$8,277	18,709,532	\$0.0004	18,709,532	16,242,211	2,467,321	\$1,092	13.2%	17,989,276	17,989,276	1,747,065	10.8%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	\$6,006	13,577,620	\$0.0004	13,577,620	11,048,896	2,528,724	\$1,119	18.6%	13,207,186	13,207,186	2,158,291	19.5%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION					0		0			0	0	0	
LARGE USE SERVICE CLASSIFICATION					0		0			0	0	0	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION					0		0			0	0	0	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	\$2	10	\$0.1949	10	1	9	\$2	89.5%	8	8	7	642.5%
STREET LIGHTING SERVICE CLASSIFICATION	kW	\$205	1,371	\$0.1495	1,371	1,231	140	\$21	10.2%	1,373	1,373	142	11.5%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION					0		0			0	0	0	
STANDBY POWER SERVICE CLASSIFICATION					0		0			0	0	0	
microFIT SERVICE CLASSIFICATION					0		0			0	0	0	
TOTAL		\$14,490						\$2,233	15.4%				

\*\*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.

RATE RIDER - RSA - GLOBAL ADJUSTMENT

Rate Rider Recovery Period (Months)

48

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	\$24,432	2,937,868	\$0.0083	2,937,868	1,540,141	1,397,727	\$11,624	47.6%	1,685,779	1,685,779	145,639	9.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	\$25,255	3,036,868	\$0.0083	3,036,868	3,315,027	-278,159	(\$2,313)	-9.2%	3,741,249	3,741,249	426,222	12.9%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION					0		0			0	0	0	
LARGE USE SERVICE CLASSIFICATION					0		0			0	0	0	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION					0		0			0	0	0	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	\$0	0		0		0			0	0	0	
STREET LIGHTING SERVICE CLASSIFICATION	kW	\$3,857	1,372	\$2.8111	1,372	1,374	-2	(\$5)	-0.1%	1,372	1,372	-1	-0.1%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION					0		0			0	0	0	
STANDBY POWER SERVICE CLASSIFICATION					0		0			0	0	0	
microFIT SERVICE CLASSIFICATION					0		0			0	0	0	
TOTAL		\$53,544						\$9,306	17.4%				

\*\*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.

RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)

Rate Rider Recovery Period (Months)

48

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	\$13,176	5,748,340	\$0.0023	5,748,340	5,409,890	338,450	\$76	5.9%	5,311,638	5,311,638	-98,252	-1.8%

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	\$4,712	2,055,672	\$0.0023	2,055,672	2,532,132	-476,460	(\$1,092)	-23.2%	2,253,572	2,253,572	-276,560	-11.0%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	\$15,499	17,808	\$0.8703	17,808	13,817	3,991	\$3,473	22.4%	15,069	15,069	1,252	9.1%
LARGE USE SERVICE CLASSIFICATION					0		0			0		0	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION					0		0			0		0	
SENTINEL LIGHTING SERVICE CLASSIFICATION					0		0			0		0	
STREET LIGHTING SERVICE CLASSIFICATION	kW	\$505	652	\$0.7742	652	245	408	\$316	62.5%	652	652	408	166.7%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION					0		0			0		0	
STANDBY POWER SERVICE CLASSIFICATION					0		0			0		0	
microFIT SERVICE CLASSIFICATION					0		0			0		0	
TOTAL		\$33,892						\$3,473	10.2%				

\*\*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	\$19,185
Total Account Residual Balance per Step 1 above	\$19,186
Unreconciled Differences****	(\$1)

\*\*\*\*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



## 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		\$1,575,656	\$56,880	\$1,632,536	\$1,596,882	\$35,655	\$8,351	\$44,006	2.2%
Account 1589 - Global Adjustment		\$440,766	\$15,444	\$456,211	\$468,271	-\$12,061	\$2,109	-\$9,951	-2.6%
Total Group 1 and Group 2 Balances		\$2,016,423	\$72,324	\$2,088,747	\$2,065,153	\$23,594	\$10,460	\$34,054	1.1%

\*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





## 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		\$2,190,884	\$114,208	\$2,305,092	\$2,260,718	\$44,374	\$10,545	\$54,919	1.9%
Account 1589 - Global Adjustment		\$1,647,761	\$51,111	\$1,698,871	\$1,607,380	\$91,492	\$8,676	\$100,168	5.4%
Total Group 1 and Group 2 Balances		\$3,838,644	\$165,319	\$4,003,963	\$3,868,098	\$135,865	\$19,221	\$155,087	3.4%

\*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.

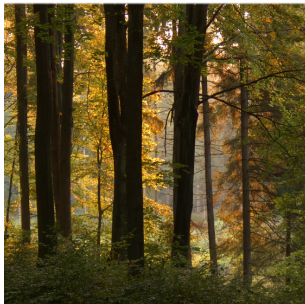
### Additional Notes and Comments

# **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

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## 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.<sup>1</sup>

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.”<sup>2</sup> 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.

---

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

<sup>2</sup> *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 2013<sup>3</sup>,
- 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.<sup>4</sup>

---

<sup>3</sup> 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.

<sup>4</sup> 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.<sup>5</sup> 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."<sup>6</sup>

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

### *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.

---

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>7</sup> 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.<sup>8</sup> 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.

---

<sup>8</sup> 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
<b>Total</b>	<b>\$146,667.88</b>	<b>\$6,052.49</b>	<b>\$152,720.37</b>

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
<b>Total</b>	<b>\$52,483.74</b>	<b>\$1,818.12</b>	<b>\$54,301.86</b>





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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      Entegrus Main

### 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-2016-0063
Application of Previous LRAMVA Claim	2017 IRM
Period of LRAMVA Claimed in Previous Application	2015
Amount of LRAMVA Claimed in Previous Application	\$ 294,593.00

#### B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2018-0024	
Application of Current LRAMVA Claim		2019 IRM application	
Period of New LRAMVA in this Application		2016	
Actual Lost Revenues (\$)	A	\$	275,722
Forecast Lost Revenues (\$)	B	\$	129,054
Carrying Charges (\$)	C	\$	6,052
LRAMVA (\$) for Account 1568	A-B+C	\$	152,720

#### 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	\$36,094	\$1,572	\$39,666
GS-50 kW	kWh	\$7,185	\$296	\$7,481
GS 50 to 4,999 kW	kW	\$96,151	\$3,968	\$100,119
Large Use	kW	\$2,950	\$118	\$2,968
Unmetered Scattered Load	kWh	\$0	\$0	\$0
Sentinel Lighting	kW	\$0	\$0	\$0
Street Lighting	kW	\$2,388	\$99	\$2,486
Standby Power	kW	\$0	\$0	\$0
microFit	NA	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
~-Unused -- hide	kW	\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
Total		\$146,668	\$6,052	\$152,720

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	Standby Power	microFit	0.0	~-Unused – hide	Total		
		kWh	kWh	kW	kW	kWh	kW	kW	kW	NA	0	kW	0	0	0
2011 Actuals	<input type="checkbox"/>	\$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
Amount Cleared															
2012 Actuals	<input type="checkbox"/>	\$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
Amount Cleared															
2013 Actuals	<input type="checkbox"/>	\$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
Amount Cleared															
2014 Actuals	<input type="checkbox"/>	\$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
Amount Cleared															
2015 Actuals	<input type="checkbox"/>	\$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
Amount Cleared															
2016 Actuals		\$61,077.98	\$51,648.91	\$154,890.03	\$3,182.08	\$0.00	\$0.00	\$4,922.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$275,721.76
2016 Forecast		(\$22,983.70)	(\$44,484.40)	(\$58,738.92)	(\$331.75)	\$0.00	\$0.00	(\$2,535.11)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$129,053.88)
Amount Cleared															
Carrying Charges		\$1,572.02	\$296.48	\$3,967.84	\$117.62	\$0.00	\$0.00	\$98.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,052.49
Total LRAMVA Balance		\$39,666	\$7,481	\$100,119	\$2,968	\$0	\$0	\$2,486	\$0	\$0	\$0	\$0	\$0	\$0	\$152,720

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	3. Distribution Rates	I18:I67	For first 4 months of 2016, needed to calculate merged rates across rate zones	Weighted rates in individual zones by billed amounts as shown on Tab 3 B139-D198
2	4. 2011-2014 LRAM	AE526-AE531	Street light savings from 2014 calculated separately, as shown on Tab 8	
3	5. 2015-2020 LRAM	Entire tab	Sorted programs according to IESO 2017 final verified results report, hid some rows with	Simplifies comparison with source document
4	5. 2015-2020 LRAM	AE212-AE216	Streetlight savings persistence from 2015 calculated separately, as shown on Tab 8	
5	5. 2015-2020 LRAM	AE384	Streetlight savings in 2016 calculated on Tab 8	
6	5. 2015-2020 LRAM	AE398-AE401	Streetlight savings persistence from 2016 calculated separately, as shown on Tab 8	
7	6. Carrying Charges	C46:C48	Estimated carrying charges rate through Q2 2019	Used most recent value
8	6. Carrying Charges	H139-H140	Removed carrying charge rates for May-Jun 2019	Not claiming carrying charges after April 2018
9	4. 2011-2014 LRAM	D436-F436	Streetlight kWh savings shown on Tab 8 are excluded from totals for the Retrofit program	Streetlight savings are calculated separately
10	5. 2015-2020 LRAM	Rows 168,245	Streetlight kWh savings shown on Tab 8 are excluded from totals for the Retrofit program	Streetlight savings are calculated separately
11	5. 2015-2020 LRAM	D182-O182	IESO reported savings in 2015 divided by four	Facility only operated for 3 months in 2015, persistence will be for 12 months
12	5. 2015-2020 LRAM	P182-Y182	Removed CHP project in 2016 onward	Because of way standby rate was changed in 2016 rate case, there is no revenue lost

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**

2012

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	Standby Power	microFit	0.0	*--Unused -- hide				
		kWh	kWh	kW	kW	kWh	kW	kW	kW	NA	0.0	kW	0.0	0.0	0.0	0.0
kWh	0	0	0	0	0	0	0	0	0	0	0	0				
kW	0	0	0	0	0	0	0	0	0	0	0	0				
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Basis of Threshold

N/A

Source of Threshold

**Table 2-b. LRAMVA Threshold**

2016

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	Standby Power	microFit	0.0	*--Unused -- hide				
		kWh	kWh	kW	kW	kWh	kW	kW	kW	NA	0.0	kW	0.0	0.0	0.0	0.0
kWh	7,138,571	2,736,155	4,402,416	0	0	0	0	0	0	0	0	0				
kW	20,675	0	0	17,935	217	0	0	2,523	0	0	0	0				
Summary		2736155	4402416	17935	217	0	0	2523	0	0	0	0	0	0	0	0

Basis of Threshold

2014 + 2015 + 2016

Source of Threshold

2016 settlement agreement p. 42 (appended to decision on EB-2015-0061)

**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	Standby Power	microFit	0.0	*--Unused -- hide				
		kWh	kWh	kW	kW	kWh	kW	kW	kW	NA	0.0	kW	0.0	0.0	0.0	0.0
2011																
2012																
2013																
2014																
2015																
2016	2016	2,736,155	4,402,416	17,935	217	0	0	2,523	0	0	0	0	0	0	0	0

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



## LRAMVA Work Form: Distribution Rates

Version 2.0 (2017)

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

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 rate (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-2009-0202	EB-2010-0098	EB-2011-0146 dated 2012-04-18 and updated in EB- 2012-0098 dated	EB-2012-0119	EB-2013-0120	EB-2014-0064	EB-2015-0061	EB-2016-0063	EB-2017-0033	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	4	4	4	4	4	4					
Period 2 (# months)		8	8	8	8	8	8	8	12	12	12	12	12
Residential	kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0099	\$ 0.0077					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0099	\$ 0.0077	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0066	\$ 0.0084	\$ -	\$ -	\$ -	\$ -	
GS<50 kW	kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0104	\$ 0.0099					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0104	\$ 0.0099	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0069	\$ 0.0101	\$ -	\$ -	\$ -	\$ -	
GS 50 to 4,999 kW	kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.3816	\$ 3.2218					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.3816	\$ 3.2218	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.2544	\$ 3.2751	\$ -	\$ -	\$ -	\$ -	
Large Use	kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0527	\$ 2.2668					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0527	\$ 2.2668	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0351	\$ 1.5288	\$ -	\$ -	\$ -	\$ -	
Unmetered Scattered Load	kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0019	\$ 0.0015					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0019	\$ 0.0015	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0012	\$ 0.0016	\$ -	\$ -	\$ -	\$ -	
Sentinel Lighting	kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.4442	\$ 0.6543					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.4442	\$ 0.6543	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.2961	\$ 0.5843	\$ -	\$ -	\$ -	\$ -	
Street Lighting	kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.1481	\$ 0.9331					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.1481	\$ 0.9331	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.7654	\$ 1.0048	\$ -	\$ -	\$ -	\$ -	
Standby Power	kW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.7535	\$ 3.2218					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.7535	\$ 3.2218	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.1690	\$ 2.7324	\$ -	\$ -	\$ -	\$ -	

Note: See calculation of merged rates for Entegris in Table below row 138

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	Standby Power	microFit	0.0	"--Unused -- hide
	kWh	kWh	kW	kW	kWh	kW	kW	kW	NA	0	0
2011											
2012											
2013											
2014											
2015											
2016	\$0.0084	\$0.0101	\$3.2751	\$1.5288	\$0.0016	\$0.5843	\$1.0048	\$2.7324	\$0.0000	\$0.0000	\$0.0000

Note: Rates prior to 2016 have been removed as LRAMVA for earlier years has already been recovered.



Ontario Energy Board

## **LRAMVA Work Form: Determination of Rate Class Allocations**

**Version 2.0 (2017)**

### **Instructions**

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

**LRAMVA Work Form:**

Version 2.0 (2017)

### Instructions

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

### Instructions

1. LDCs can apply for disposition of LRAMMA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMMA work items apply to LDCs that need to recover lost revenues from the 2011-2014 period. Please report or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the ISO in Tab 7. As noted earlier, persistence data is available upon request from the ISO. Please also advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.
2. Please ensure that the ISO verified savings adjustments apply to the program year(s) related to. For example, savings adjustments related to 2012 programs that were reported by the ISO in 2013 should be included in the 2012 persistence table. Persistence savings adjustments for 2013 programs should be filed out in the 2013 table. If the ISO adjustments were made available to the LDC after the LRAMMA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMMA amounts are considered to be lost.
3. The work form below includes the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAMC policy related to peak demand savings. The monthly multipliers for other programs are not included. 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 include rationale in Tab 1-a and highlight the new multiplier that has been used.
4. LDCs are requested to input the applicable 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 be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMMA totals for the year) if future savings are not expected to be included in the load forecast calculation. If "Water" is selected in the "Water" column, please also check the "Water" column for the year(s) if future savings are expected to be included in the load forecast calculation.

## Tables

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

Table 4-a. 2011 Lost Revenues Work Form

[illegible]

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[illegible]

Table 4-c. 2013 Lost Revenues Work Form [Return to top](#)

[illegible]

**Table 4-d. 2014 Lost Revenues Work Form**

[illegible]



Note: LDC to make note of key assumptions included above

**LRAMVA Work Form:**  
**2015 - 2020 Lost Revenues Work Form**

Version 2.0 (2017)

**Legend**

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

### Instructions

1. LDCs can apply for disposition of LRA/RA units any time as a minimum, must do so as part of a cost of service (COS) application. The following LRA/RA works forms apply to LDCs that need to recover total revenue from the 2010 period. LDCs that are not required to submit a COS application should refer to the LDC's Performance Reports provided by the ISO in 2014-15. As noted earlier, performance data is available upon request from the ISO. Please also be advised that the same data classes (04 to 14) are covered under the Summary 1A-15.
2. Please ensure that the ISO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to the 2017 program year that were reported by the ISO should be included in the 2018 performance savings table. Savings adjustments that are not included in the table below for the 2016 program year must be made available to the LDC after the LRA/RA was approved. The persistence of savings adjustments in future years can be claimed as approved LRA/RA amounts are considered to be final.
3. The work forms below indicate the monthly multipliers for programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the ICE's updated LRA/RA application template to peak demand savings in the 2016 program year. The multipliers are based on the savings multiplier for the program year. For example, if a program has a savings multiplier of 1.0, the multiplier for the 2016 program year would be 1.0. If a program has a savings multiplier of 1.5, the multiplier for the 2016 program year would be 1.5.
4. LDCs are required to allocate savings to the program year that the savings were realized. The general rule for allocation is that savings are allocated to the program year that the savings were realized. The general rule for allocation is that savings are allocated to the program year that the savings were realized. The general rule for allocation is that savings are allocated to the program year that the savings were realized.

## Tables

- [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](#)

Table 5-a. 2015 Lost Revenues Work Form

[illegible]

1,694,235	2,178,249	14,704
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1,565

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Note: LDC to make note of key assumptions included above

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Note: LDC to make note of key assumptions included above

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Note: LDC to make note of key assumptions included above

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Note: LDC to make note of key assumptions included above

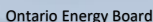
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Program	Results Status	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Security Manager	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Residential	GS-DS kW	GS DS to 4,000 kW	Large Use	Unmetered Scattered Load	Serviced Lighting	Street Lighting	Standby Power	microFIT		Unmetered - Idle					Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Note: LDC to make note of key assumptions included above

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## Version 2.0 (2017)

### Legend

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

### Instructions

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 any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.

Table 6. Prescribed Interest Rates

Quarter	Approved Deferral & Variance Accounts
2011 Q1	1.47%
2011 Q2	1.47%
2011 Q3	1.47%
2011 Q4	1.47%
2012 Q1	1.47%
2012 Q2	1.47%
2012 Q3	1.47%
2012 Q4	1.47%
2013 Q1	1.47%
2013 Q2	1.47%
2013 Q3	1.47%
2013 Q4	1.47%
2014 Q1	1.47%
2014 Q2	1.47%
2014 Q3	1.47%
2014 Q4	1.47%
2015 Q1	1.47%
2015 Q2	1.10%
2015 Q3	1.10%
2015 Q4	1.10%
2016 Q1	1.10%
2016 Q2	1.10%
2016 Q3	1.10%
2016 Q4	1.10%
2017 Q1	1.10%
2017 Q2	1.10%
2017 Q3	1.10%
2017 Q4	1.50%
2018 Q1	1.50%
2018 Q2	1.89%
2018 Q3	1.89%
2018 Q4	1.89%
2019 Q1	1.89%
2019 Q2	1.89%
2019 Q3	
2019 Q4	
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

[Check OEB website](#)

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

[Go to Tab 1: Summary](#)

Month	Period	Quarter	Monthly Rate	Residential	GS<50 kW	GS 50 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Standby Power	microFit	0.0	~Unused - hide	Total	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
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	\$0.00	\$0.00	
Total for 2011				\$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 2012				\$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-12	2012	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-12	2012	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-12	2012	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-12	2012	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-12	2012	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	
Jun-12	2012	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	
Jul-12	2012	Q3	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	
Aug-12	2012	Q3	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	
Sep-12	2012	Q3	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	
Oct-12	2012	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	\$0.00	
Nov-12	2012	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	\$0.00	
Dec-12	2012	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	\$0.00	
Total for 2012				\$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 2013				\$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-13	2013	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-13	2013	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-13	2013	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-13	2013	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-13	2013	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	
Jun-13	2013	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	
Jul-13	2013	Q3	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	
Aug-13	2013	Q3	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	
Sep-13	2013	Q3	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	
Oct-13	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	\$0.00	
Nov-13	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	\$0.00	
Dec-13	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	\$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	\$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	\$0.00	\$0.00	\$0.00
Jan-14	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	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	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	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	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	
Jun-14	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	
Jul-14	2014	Q3	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	
Aug-14	2014	Q3	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	
Sep-14	2014	Q3	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	
Oct-14	2014	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	\$0.00	
Nov-14	2014	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	\$0.00	
Dec-14	2014	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	\$0.00	
Total for 2014				\$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 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
Jan-15	2015	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-15	2015	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-15	2015	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-15	2015	Q2	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	
May-15	2015	Q2	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	
Jun-15	2015	Q2	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	

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
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%	\$2.91	\$0.55	\$7.34	\$0.22	\$0.00	\$0.00	\$0.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.20
Mar-16	2011-2016	Q1	0.09%	\$5.82	\$1.10	\$14.68	\$0.44	\$0.00	\$0.00	\$0.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.41
Apr-16	2011-2016	Q2	0.09%	\$8.73	\$1.65	\$22.03	\$0.67	\$0.00	\$0.00	\$0.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.61
May-16	2011-2016	Q2	0.09%	\$11.64	\$2.20	\$29.38	\$0.87	\$0.00	\$0.00	\$0.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.82
Jun-16	2011-2016	Q2	0.09%	\$14.55	\$2.74	\$36.72	\$1.09	\$0.00	\$0.00	\$0.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$56.02
Jul-16	2011-2016	Q3	0.09%	\$17.46	\$3.29	\$44.07	\$1.31	\$0.00	\$0.00	\$1.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$67.22
Aug-16	2011-2016	Q3	0.09%	\$20.37	\$3.84	\$51.41	\$1.52	\$0.00	\$0.00	\$1.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$78.43
Sep-16	2011-2016	Q3	0.09%	\$23.28	\$4.39	\$58.74	\$1.74	\$0.00	\$0.00	\$1.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$89.63
Oct-16	2011-2016	Q4	0.09%	\$26.19	\$4.94	\$66.10	\$1.96	\$0.00	\$0.00	\$1.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100.83
Nov-16	2011-2016	Q4	0.09%	\$29.10	\$5.49	\$73.45	\$2.18	\$0.00	\$0.00	\$1.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$112.04
Dec-16	2011-2016	Q4	0.09%	\$32.01	\$6.04	\$80.79	\$2.40	\$0.00	\$0.00	\$2.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$123.24
Total for 2016				\$192.06	\$36.22	\$484.76	\$14.37	\$0.00	\$0.00	\$12.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$739.45
Amount Cleared																			
Opening Balance for 2017				\$192.06	\$36.22	\$484.76	\$14.37	\$0.00	\$0.00	\$12.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$739.45
Jan-17	2011-2017	Q1	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Feb-17	2011-2017	Q1	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Mar-17	2011-2017	Q1	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Apr-17	2011-2017	Q2	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
May-17	2011-2017	Q2	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Jun-17	2011-2017	Q2	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Jul-17	2011-2017	Q3	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Aug-17	2011-2017	Q3	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Sep-17	2011-2017	Q3	0.09%	\$34.92	\$6.59	\$88.14	\$2.61	\$0.00	\$0.00	\$2.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134.45
Oct-17	2011-2017	Q4	0.13%	\$47.62	\$8.98	\$120.19	\$3.56	\$0.00	\$0.00	\$2.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.33
Nov-17	2011-2017	Q4	0.13%	\$47.62	\$8.98	\$120.19	\$3.56	\$0.00	\$0.00	\$2.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.33
Dec-17	2011-2017	Q4	0.13%	\$47.62	\$8.98	\$120.19	\$3.56	\$0.00	\$0.00	\$2.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.33
Total for 2017				\$649.19	\$122.44	\$1,638.58	\$46.57	\$0.00	\$0.00	\$40.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,499.47
Amount Cleared																			
Opening Balance for 2018				\$649.19	\$122.44	\$1,638.58	\$46.57	\$0.00	\$0.00	\$40.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,499.47
Jan-18	2011-2018	Q1	0.13%	\$47.62	\$8.98	\$120.19	\$3.56	\$0.00	\$0.00	\$2.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.33
Feb-18	2011-2018	Q1	0.13%	\$47.62	\$8.98	\$120.19	\$3.56	\$0.00	\$0.00	\$2.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.33
Mar-18	2011-2018	Q1	0.13%	\$47.62	\$8.98	\$120.19	\$3.56	\$0.00	\$0.00	\$2.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.33
Apr-18	2011-2018	Q2	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
May-18	2011-2018	Q2	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Jun-18	2011-2018	Q2	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Jul-18	2011-2018	Q3	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Aug-18	2011-2018	Q3	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Sep-18	2011-2018	Q3	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Oct-18	2011-2018	Q4	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Nov-18	2011-2018	Q4	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Dec-18	2011-2018	Q4	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Total for 2018				\$1,332.03	\$251.22	\$3,362.08	\$99.67	\$0.00	\$0.00	\$83.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,128.49
Amount Cleared																			
Opening Balance for 2019				\$1,332.03	\$251.22	\$3,362.08	\$99.67	\$0.00	\$0.00	\$83.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,128.49
Jan-19	2011-2019	Q1	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Feb-19	2011-2019	Q1	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Mar-19	2011-2019	Q1	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
Apr-19	2011-2019	Q2	0.16%	\$60.00	\$11.32	\$151.44	\$4.49	\$0.00	\$0.00	\$3.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$231.00
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				\$1,572.02	\$296.48	\$3,967.84	\$117.62	\$0.00	\$0.00	\$98.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,052.49
Amount Cleared																			
Opening Balance for 2020				\$1,572.02	\$296.48	\$3,967.84	\$117.62	\$0.00	\$0.00	\$98.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			

**Supporting Documentation:**  
LDC Persistence Savings Results from IESO

Version 2.4 (2007)

Legend

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

**INSTRUCTIONS**  
(Steps)

5. Columns 1 to 10 of the table have been structured in a way to match the format of the questionnaire issued by the BSC. Please copy and paste the program information to indicate in Columns 11 to 14 the corresponding demand and where salaries data to indicate in Columns 15 to 18 of the work form. Please ensure that the column for the Project is filled.
6. To facilitate the identification of adjustments that are available to a prospective user's results, recall to a user's set of the salaried to implementation Year 10. This can be done by clicking on the button at the end of the H4 field in the report. Before you start, please ensure that the data for the implementation year is filled with the data from the table.
7. Please identify the specific cases associated with the current year salaries for the user in the column 19. Current year salaries will be identified on the table and matches the year of the questionnaire. A column adjustment will be filled with a prior year implementation in the future work results.

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 those provided by the ISO.

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

[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

Energy savings attributed to street lighting project in OPA results				
Year	Gross	NTG	Net	Comments
2011				
2012				
2013				
2014	26,802	0.04	75,779	Parkhill project
2015	1,079,760	0.87	716,111	Strathroy and Mount Bridges project
2016	4,181,520	0.87	4,076,724	Chatham-Kent project

#### 2014

Actual lost revenue based on kW billing				
Month	Billed kW	Gross kW reduction	NTG	Net kW reduction
Jan-14				
Feb-14				
Mar-14				
Apr-14				
May-14				
Jun-14				
Jul-14				
Aug-14				
Sep-14				
Oct-14				
Nov-14	53.6	0	0	0
Dec-14	22.49	29.11	0.72	20.952
2014 total	22.49	29.11		20.96
2014 Persisting to 2015				251.51
2014 Persisting to 2016				251.51
2015 Persisting to 2017				251.51
2015 Persisting to 2018				251.51
2015 Persisting to 2019				251.51
2015 Persisting to 2020				251.51

#### 2015

Actual lost revenue based on kW billing				
Month	Billed kW	Gross kW reduction	NTG	Net kW reduction
Jan-15				-
Feb-15				-
Mar-15				-
Apr-15				-
May-15				-
Jun-15				-
Jul-15				-
Aug-15				-
Sep-15				-
Oct-15				-
Nov-15				-
Dec-15	909	-	0.66	-
2015	109.00	0.00		0.00
2015 Persisting to 2016				1.565
2015 Persisting to 2017				1.565
2015 Persisting to 2018				1.565
2015 Persisting to 2019				1.565
2015 Persisting to 2020				1.565

#### 2016

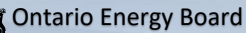
Actual lost revenue based on kW billing				
Month	Gross kW reduction	Cumulative kW Reduction	NTG	Net kW reduction
Jan-16	0	0	1.00	-
Feb-16	0	0	1.00	-
Mar-16	0	0	1.00	-
Apr-16	0	0	1.00	-
May-16	0	0	1.00	-
Jun-16	50	50	1.00	49.94
Jul-16	110	160	1.00	109.81
Aug-16	369	520	1.00	325.61
Sep-16	137	657	1.00	482.43
Oct-16	344	1001	1.00	926.26
Nov-16	83	1084	1.00	739.14
Dec-16	0	1084	1.00	739.14
2016 Total		0.00		3,082.33
2016 Persisting to 2017				6,619.49
2016 Persisting to 2018				6,619.49
2016 Persisting to 2019				6,619.49
2016 Persisting to 2020				6,619.49

Note: Billed amounts in 2014 and 2015, and gross kW reductions in 2016 are from actual bills to customers, NTG from IESO for demand reductions in Retrofit program



# **ATTACHMENT H**

## Entegrus-Main 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:**

2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1".

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	1.0432		
Proposed/Approved Loss Factor	1.0432		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.90	1	\$ 22.90	\$ 24.83	1	\$ 24.83	\$ 1.93	8.43%
Distribution Volumetric Rate	\$ 0.0026	750	\$ 1.95	\$ -	750	\$ -	\$ (1.95)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ 0.08	\$ 0.08	
<b>Sub-Total A (excluding pass through)</b>			\$ 24.85			\$ 24.91	\$ 0.05	0.22%
Line Losses on Cost of Power	\$ 0.0820	32	\$ 2.66	\$ 0.0820	32	\$ 2.66	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	750	\$ 0.30	\$ 0.0007	750	\$ 0.53	\$ 0.23	75.00%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0017	750	\$ 1.28	\$ 0.0017	750	\$ 1.28	\$ -	0.00%
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	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 29.65			\$ 29.93	\$ 0.28	0.94%
RTSR - Network	\$ 0.0068	782	\$ 5.32	\$ 0.0067	782	\$ 5.24	\$ (0.08)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	782	\$ 4.54	\$ 0.0057	782	\$ 4.46	\$ (0.08)	-1.72%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 39.51			\$ 39.63	\$ 0.12	0.31%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	782	\$ 2.82	\$ 0.0036	782	\$ 2.82	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	782	\$ 0.23	\$ 0.0003	782	\$ 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%
<b>Total Bill on TOU (before Taxes)</b>			\$ 104.30			\$ 104.43	\$ 0.12	0.12%
HST	13%		\$ 13.56	13%		\$ 13.58	\$ 0.02	0.12%
8% Rebate	8%		\$ (8.34)	8%		\$ (8.35)	\$ (0.01)	
<b>Total Bill on TOU</b>			\$ 109.52			\$ 109.65	\$ 0.13	0.12%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0432		
Proposed/Approved Loss Factor	1.0432		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 30.84	1	\$ 30.84	\$ 31.16	1	\$ 31.16	\$ 0.32	1.04%
Distribution Volumetric Rate	\$ 0.0102	2000	\$ 20.40	\$ 0.0103	2000	\$ 20.60	\$ 0.20	0.98%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0001	2000	\$ 0.20	\$ 0.20	
<b>Sub-Total A (excluding pass through)</b>			\$ 51.24			\$ 51.96	\$ 0.72	1.41%
Line Losses on Cost of Power	\$ 0.0820	86	\$ 7.08	\$ 0.0820	86	\$ 7.08	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	2,000	\$ 0.80	\$ 0.0008	2,000	\$ 1.60	\$ 0.80	100.00%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0015	2,000	\$ 3.00	\$ 0.0015	2,000	\$ 3.00	\$ -	0.00%
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	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 62.69			\$ 64.21	\$ 1.52	2.42%
RTSR - Network	\$ 0.0059	2,086	\$ 12.31	\$ 0.0059	2,086	\$ 12.31	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0051	2,086	\$ 10.64	\$ 0.0050	2,086	\$ 10.43	\$ (0.21)	-1.96%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 85.64			\$ 86.96	\$ 1.31	1.53%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,086	\$ 7.51	\$ 0.0036	2,086	\$ 7.51	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,086	\$ 0.63	\$ 0.0003	2,086	\$ 0.63	\$ -	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%
<b>Total Bill on TOU (before Taxes)</b>			\$ 258.01			\$ 259.32	\$ 1.31	0.51%
HST	13%		\$ 33.54	13%		\$ 33.71	\$ 0.17	0.51%
8% Rebate	8%		\$ (20.64)	8%		\$ (20.75)	\$ (0.10)	
<b>Total Bill on TOU</b>			\$ 270.91			\$ 272.29	\$ 1.38	0.51%

Customer Class:	GENERAL SERVICE 50 to 4.999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	162,500	kWh
Demand	500	kW
Current Loss Factor	1.0432	
Proposed/Approved Loss Factor	1.0432	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 100.01	1	\$ 100.01	\$ 101.06	1	\$ 101.06	\$ 1.05	1.05%
Distribution Volumetric Rate	\$ 3.3126	500	\$ 1,656.30	\$ 3.3474	500	\$ 1,673.70	\$ 17.40	1.05%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	500	\$ -	\$ 0.0852	500	\$ 42.60	\$ 42.60	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 1,756.31</b>			<b>\$ 1,817.36</b>	<b>\$ 61.05</b>	<b>3.48%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.1666	500	\$ 83.30	\$ 0.2917	500	\$ 145.85	\$ 62.55	75.09%
CBR Class B Rate Riders	\$ -	500	\$ -	\$ -	500	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	162,500	\$ 341.25	\$ 0.0007	162,500	\$ 113.75	\$ (227.50)	-66.67%
Low Voltage Service Charge	\$ 0.6201	500	\$ 310.05	\$ 0.6201	500	\$ 310.05	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	500	\$ -	\$ -	500	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 2,490.91</b>			<b>\$ 2,387.01</b>	<b>\$ (103.90)</b>	<b>-4.17%</b>
RTSR - Network	\$ 2.6031	500	\$ 1,301.55	\$ 2.5821	500	\$ 1,291.05	\$ (10.50)	-0.81%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.1767	500	\$ 1,088.35	\$ 2.1487	500	\$ 1,074.35	\$ (14.00)	-1.29%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 4,880.81</b>			<b>\$ 4,752.41</b>	<b>\$ (128.40)</b>	<b>-2.63%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	169,520	\$ 610.27	\$ 0.0036	169,520	\$ 610.27	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	169,520	\$ 50.86	\$ 0.0003	169,520	\$ 50.86	\$ -	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	169,520	\$ 18,664.15	\$ 0.1101	169,520	\$ 18,664.15	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 24,206.34</b>			<b>\$ 24,077.94</b>	<b>\$ (128.40)</b>	<b>-0.53%</b>
HST	13%		\$ 3,146.82	13%		\$ 3,130.13	\$ (16.69)	-0.53%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 27,353.16</b>			<b>\$ 27,208.07</b>	<b>\$ (145.09)</b>	<b>-0.53%</b>

Customer Class:	LARGE USE SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	2,700,000	kWh
Demand	5,500	kW
Current Loss Factor	1.0049	
Proposed/Approved Loss Factor	1.0049	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1,526.20	1	\$ 1,526.20	\$ 1,542.23	1	\$ 1,542.23	\$ 16.03	1.05%
Distribution Volumetric Rate	\$ 2.3307	5500	\$ 12,818.85	\$ 2.3552	5500	\$ 12,953.60	\$ 134.75	1.05%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	5500	\$ -	\$ 0.0164	5500	\$ 90.20	\$ 90.20	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 14,345.05</b>			<b>\$ 14,586.03</b>	<b>\$ 240.98</b>	<b>1.68%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.0924	5,500	\$ 508.20	\$ 0.1228	5,500	\$ 675.40	\$ 167.20	32.90%
CBR Class B Rate Riders	\$ -	5,500	\$ -	\$ -	5,500	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	2,700,000	\$ 5,670.00	\$ 0.0007	2,700,000	\$ 1,890.00	\$ (3,780.00)	-66.67%
Low Voltage Service Charge	\$ 0.6818	5,500	\$ 3,749.90	\$ 0.6818	5,500	\$ 3,749.90	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	5,500	\$ -	\$ -	5,500	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 24,273.15</b>			<b>\$ 20,901.33</b>	<b>\$ (3,371.82)</b>	<b>-13.89%</b>
RTSR - Network	\$ 2.7620	5,500	\$ 15,191.00	\$ 2.7398	5,500	\$ 15,068.90	\$ (122.10)	-0.80%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.3930	5,500	\$ 13,161.50	\$ 2.3623	5,500	\$ 12,992.65	\$ (168.85)	-1.28%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 52,625.65</b>			<b>\$ 48,962.88</b>	<b>\$ (3,662.77)</b>	<b>-6.96%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,713,230	\$ 9,767.63	\$ 0.0036	2,713,230	\$ 9,767.63	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,713,230	\$ 813.97	\$ 0.0003	2,713,230	\$ 813.97	\$ -	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	2,713,230	\$ 298,726.62	\$ 0.1101	2,713,230	\$ 298,726.62	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 361,934.12</b>			<b>\$ 358,271.35</b>	<b>\$ (3,662.77)</b>	<b>-1.01%</b>
HST	13%		\$ 47,051.44	13%		\$ 46,575.28	\$ (476.16)	-1.01%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 408,985.56</b>			<b>\$ 404,846.63</b>	<b>\$ (4,138.93)</b>	<b>-1.01%</b>

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	150	kWh	
Demand	-	kW	
Current Loss Factor	1.0432		
Proposed/Approved Loss Factor	1.0432		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 8.26	1	\$ 8.26	\$ 8.35	1	\$ 8.35	\$ 0.09	1.09%
Distribution Volumetric Rate	\$ 0.0015	150	\$ 0.23	\$ 0.0015	150	\$ 0.23	\$ -	0.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 8.49			\$ 8.58	\$ 0.09	1.06%
Line Losses on Cost of Power	\$ 0.0820	6	\$ 0.53	\$ 0.0820	6	\$ 0.53	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	150	\$ 0.06	\$ 0.0005	150	\$ 0.08	\$ 0.02	25.00%
CBR Class B Rate Riders	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	
GA Rate Riders	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0015	150	\$ 0.23	\$ 0.0015	150	\$ 0.23	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		150	\$ -	\$ -	150	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 9.30			\$ 9.41	\$ 0.10	1.13%
RTSR - Network	\$ 0.0059	156	\$ 0.92	\$ 0.0059	156	\$ 0.92	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0051	156	\$ 0.80	\$ 0.0050	156	\$ 0.78	\$ (0.02)	-1.96%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 11.02			\$ 11.11	\$ 0.09	0.81%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	156	\$ 0.56	\$ 0.0036	156	\$ 0.56	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	156	\$ 0.05	\$ 0.0003	156	\$ 0.05	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	98	\$ 6.34	\$ 0.0650	98	\$ 6.34	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	26	\$ 2.40	\$ 0.0940	26	\$ 2.40	\$ -	0.00%
TOU - On Peak	\$ 0.1320	27	\$ 3.56	\$ 0.1320	27	\$ 3.56	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 24.18			\$ 24.27	\$ 0.09	0.37%
HST		13%	\$ 3.14	13%		\$ 3.16	\$ 0.01	0.37%
<b>Total Bill on TOU</b>			\$ 27.32			\$ 27.43	\$ 0.10	0.37%



Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	150	kWh
Demand	1	kW
Current Loss Factor	1.0432	
Proposed/Approved Loss Factor	1.0432	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 7.51	1	\$ 7.51	\$ 7.59	1	\$ 7.59	\$ 0.08	1.07%
Distribution Volumetric Rate	\$ 0.6728	1	\$ 0.67	\$ 0.6799	1	\$ 0.68	\$ 0.01	1.06%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 8.18			\$ 8.27	\$ 0.09	1.06%
Line Losses on Cost of Power	\$ 0.1101	6	\$ 0.71	\$ 0.1101	6	\$ 0.71	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.1554	1	\$ 0.16	\$ 0.1769	1	\$ 0.18	\$ 0.02	13.84%
CBR Class B Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	150	\$ 0.32	\$ 0.0007	150	\$ 0.11	\$ (0.21)	-66.67%
Low Voltage Service Charge	\$ 0.4661	1	\$ 0.47	\$ 0.4661	1	\$ 0.47	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 9.83			\$ 9.73	\$ (0.10)	-1.03%
RTSR - Network	\$ 1.9122	1	\$ 1.91	\$ 1.8968	1	\$ 1.90	\$ (0.02)	-0.81%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.6359	1	\$ 1.64	\$ 1.6149	1	\$ 1.61	\$ (0.02)	-1.28%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 13.38			\$ 13.24	\$ (0.14)	-1.03%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	156	\$ 0.56	\$ 0.0036	156	\$ 0.56	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	156	\$ 0.05	\$ 0.0003	156	\$ 0.05	\$ -	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	150	\$ 16.52	\$ 0.1101	150	\$ 16.52	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 30.76			\$ 30.62	\$ (0.14)	-0.45%
HST	13%		\$ 4.00	13%		\$ 3.98	\$ (0.02)	-0.45%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 34.75			\$ 34.60	\$ (0.16)	-0.45%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	150	kWh
Demand	1	kW
Current Loss Factor	1.0432	
Proposed/Approved Loss Factor	1.0432	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.14	1	\$ 1.14	\$ 1.15	1	\$ 1.15	\$ 0.01	0.88%
Distribution Volumetric Rate	\$ 0.9594	1	\$ 0.96	\$ 0.9695	1	\$ 0.97	\$ 0.01	1.05%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ 0.2225	1	\$ 0.22	\$ 0.22	
<b>Sub-Total A (excluding pass through)</b>			\$ 2.10			\$ 2.34	\$ 0.24	11.56%
Line Losses on Cost of Power	\$ 0.1101	6	\$ 0.71	\$ 0.1101	6	\$ 0.71	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.1454	1	\$ 0.15	\$ 0.4660	1	\$ 0.47	\$ 0.32	220.50%
CBR Class B Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	150	\$ 0.32	\$ 0.0007	150	\$ 0.11	\$ (0.21)	-66.67%
Low Voltage Service Charge	\$ 0.4552	1	\$ 0.46	\$ 0.4552	1	\$ 0.46	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 3.73			\$ 4.08	\$ 0.35	9.47%
RTSR - Network	\$ 1.8926	1	\$ 1.89	\$ 1.8774	1	\$ 1.88	\$ (0.02)	-0.80%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.5978	1	\$ 1.60	\$ 1.5773	1	\$ 1.58	\$ (0.02)	-1.28%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 7.22			\$ 7.54	\$ 0.32	4.40%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	156	\$ 0.56	\$ 0.0036	156	\$ 0.56	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	156	\$ 0.05	\$ 0.0003	156	\$ 0.05	\$ -	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	150	\$ 16.52	\$ 0.1101	150	\$ 16.52	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 24.59			\$ 24.91	\$ 0.32	1.29%
HST	13%		\$ 3.20	13%		\$ 3.24	\$ 0.04	1.29%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 27.79			\$ 28.15	\$ 0.36	1.29%

Customer Class:	EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	368,500	kWh
Demand	794	kW
Current Loss Factor	1.0432	
Proposed/Approved Loss Factor	1.0432	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 132.50	1	\$ 132.50	\$ 133.89	1	\$ 133.89	\$ 1.39	1.05%
Distribution Volumetric Rate	\$ -	794	\$ -	\$ -	794	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	794	\$ -	\$ -	794	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 132.50</b>			<b>\$ 133.89</b>	<b>\$ 1.39</b>	<b>1.05%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.1976	794	\$ 156.89	\$ 0.1647	794	\$ 130.77	\$ (26.12)	-16.65%
CBR Class B Rate Riders	\$ -	794	\$ -	\$ -	794	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	368,500	\$ 773.85	\$ 0.0007	368,500	\$ 257.95	\$ (515.90)	-66.67%
Low Voltage Service Charge	\$ 0.6201	794	\$ 492.36	\$ 0.6201	794	\$ 492.36	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	794	\$ -	\$ -	794	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 1,555.60</b>			<b>\$ 1,014.97</b>	<b>\$ (540.63)</b>	<b>-34.75%</b>
RTSR - Network	\$ 2.6031	794	\$ 2,066.86	\$ 2.5821	794	\$ 2,050.19	\$ (16.67)	-0.81%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.1767	794	\$ 1,728.30	\$ 2.1487	794	\$ 1,706.07	\$ (22.23)	-1.29%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 5,350.77</b>			<b>\$ 4,771.23</b>	<b>\$ (579.54)</b>	<b>-10.83%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	384,419	\$ 1,383.91	\$ 0.0036	384,419	\$ 1,383.91	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	384,419	\$ 115.33	\$ 0.0003	384,419	\$ 115.33	\$ -	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	384,419	\$ 42,324.55	\$ 0.1101	384,419	\$ 42,324.55	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 49,174.80</b>			<b>\$ 48,595.27</b>	<b>\$ (579.54)</b>	<b>-1.18%</b>
HST	13%		\$ 6,392.72	13%		\$ 6,317.38	\$ (75.34)	-1.18%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 55,567.53</b>			<b>\$ 54,912.65</b>	<b>\$ (654.88)</b>	<b>-1.18%</b>

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	132	kWh	
Demand	-	kW	
Current Loss Factor	1.0432		
Proposed/Approved Loss Factor	1.0432		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.90	1	\$ 22.90	\$ 24.83	1	\$ 24.83	\$ 1.93	8.43%
Distribution Volumetric Rate	\$ 0.0026	132	\$ 0.34	\$ -	132	\$ -	\$ (0.34)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	132	\$ -	\$ 0.0001	132	\$ 0.01	\$ 0.01	
<b>Sub-Total A (excluding pass through)</b>			\$ 23.24			\$ 24.84	\$ 1.60	6.88%
Line Losses on Cost of Power	\$ 0.0820	6	\$ 0.47	\$ 0.0820	6	\$ 0.47	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	132	\$ 0.05	\$ 0.0007	132	\$ 0.09	\$ 0.04	75.00%
CBR Class B Rate Riders	\$ -	132	\$ -	\$ -	132	\$ -	\$ -	
GA Rate Riders	\$ -	132	\$ -	\$ -	132	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0017	132	\$ 0.22	\$ 0.0017	132	\$ 0.22	\$ -	0.00%
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		132	\$ -	\$ -	132	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 24.56			\$ 26.20	\$ 1.64	6.68%
RTSR - Network	\$ 0.0068	138	\$ 0.94	\$ 0.0067	138	\$ 0.92	\$ (0.01)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	138	\$ 0.80	\$ 0.0057	138	\$ 0.78	\$ (0.01)	-1.72%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 26.29			\$ 27.91	\$ 1.61	6.13%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	138	\$ 0.50	\$ 0.0036	138	\$ 0.50	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	138	\$ 0.04	\$ 0.0003	138	\$ 0.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	86	\$ 5.58	\$ 0.0650	86	\$ 5.58	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	22	\$ 2.11	\$ 0.0940	22	\$ 2.11	\$ -	0.00%
TOU - On Peak	\$ 0.1320	24	\$ 3.14	\$ 0.1320	24	\$ 3.14	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 37.90			\$ 39.51	\$ 1.61	4.25%
HST	13%		\$ 4.93	13%		\$ 5.14	\$ 0.21	4.25%
8% Rebate	8%		\$ (3.03)	8%		\$ (3.16)	\$ (0.13)	
<b>Total Bill on TOU</b>			\$ 39.80			\$ 41.49	\$ 1.69	4.25%

Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	<b>Non-RPP (Retailer)</b>	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0432	
Proposed/Approved Loss Factor	1.0432	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.90	1	\$ 22.90	\$ 24.83	1	\$ 24.83	\$ 1.93	8.43%
Distribution Volumetric Rate	\$ 0.0026	750	\$ 1.95	\$ -	750	\$ -	\$ (1.95)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ 0.08	\$ 0.08	
<b>Sub-Total A (excluding pass through)</b>			\$ 24.85			\$ 24.91	\$ 0.05	0.22%
Line Losses on Cost of Power	\$ 0.1101	32	\$ 3.57	\$ 0.1101	32	\$ 3.57	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	750	\$ 0.30	\$ 0.0007	750	\$ 0.53	\$ 0.23	75.00%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	750	\$ 1.58	\$ 0.0007	750	\$ 0.53	\$ (1.05)	-66.67%
Low Voltage Service Charge	\$ 0.0017	750	\$ 1.28	\$ 0.0017	750	\$ 1.28	\$ -	0.00%
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	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 32.14			\$ 31.37	\$ (0.77)	-2.40%
RTSR - Network	\$ 0.0068	782	\$ 5.32	\$ 0.0067	782	\$ 5.24	\$ (0.08)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	782	\$ 4.54	\$ 0.0057	782	\$ 4.46	\$ (0.08)	-1.72%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 42.00			\$ 41.07	\$ (0.93)	-2.21%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	782	\$ 2.82	\$ 0.0036	782	\$ 2.82	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	782	\$ 0.23	\$ 0.0003	782	\$ 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%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 127.62			\$ 126.70	\$ (0.93)	-0.73%
HST	13%		\$ 16.59	13%		\$ 16.47	\$ (0.12)	-0.73%
8% Rebate	8%			8%				
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 144.21			\$ 143.17	\$ (1.05)	-0.73%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0432	
Proposed/Approved Loss Factor	1.0432	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.90	1	\$ 22.90	\$ 24.83	1	\$ 24.83	\$ 1.93	8.43%
Distribution Volumetric Rate	\$ 0.0026	2000	\$ 5.20	\$ -	2000	\$ -	\$ (5.20)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0001	2000	\$ 0.20	\$ 0.20	
<b>Sub-Total A (excluding pass through)</b>			\$ 28.10			\$ 25.03	\$ (3.07)	-10.93%
Line Losses on Cost of Power	\$ 0.1101	86	\$ 9.51	\$ 0.1101	86	\$ 9.51	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	2,000	\$ 0.80	\$ 0.0007	2,000	\$ 1.40	\$ 0.60	75.00%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ 0.0021	2,000	\$ 4.20	\$ 0.0007	2,000	\$ 1.40	\$ (2.80)	-66.67%
Low Voltage Service Charge	\$ 0.0017	2,000	\$ 3.40	\$ 0.0017	2,000	\$ 3.40	\$ -	0.00%
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	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 46.58			\$ 41.31	\$ (5.27)	-11.31%
RTSR - Network	\$ 0.0068	2,086	\$ 14.19	\$ 0.0067	2,086	\$ 13.98	\$ (0.21)	-1.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	2,086	\$ 12.10	\$ 0.0057	2,086	\$ 11.89	\$ (0.21)	-1.72%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 72.87			\$ 67.18	\$ (5.69)	-7.80%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,086	\$ 7.51	\$ 0.0036	2,086	\$ 7.51	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,086	\$ 0.63	\$ 0.0003	2,086	\$ 0.63	\$ -	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%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 301.21			\$ 295.52	\$ (5.69)	-1.89%
HST	13%		\$ 39.16	13%		\$ 38.42	\$ (0.74)	-1.89%
8% Rebate	8%			8%				
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 340.37			\$ 333.94	\$ (6.43)	-1.89%

# **ATTACHMENT I**

May 1, 2019 Entegrus-Main  
Proposed Tariff Sheet

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 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 applies to an account taking electricity at 750 volts or less and includes:

- 1) All services supplied to single-family dwelling units for domestic or household purposes,
- 2) All multi-unit residential establishments such as apartments of 6 or less units.
- 3) If a service supplies a combination of residential and commercial load and wiring does not permit separate metering, the classification of this customer will be determined individually by the distributor.

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	\$	24.83
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0017
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020		
Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2020	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	0.0007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
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



**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2019**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2018-0024

**GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

This classification applies to a non-residential account taking electricity at 750 volts or less whose average monthly maximum gross demand over a period of 12 consecutive months is less than, or is forecast to be less than, 50 kW and includes multi-unit residential establishments such as apartment buildings supplied through one service (bulk-metered) with greater than 6 units. 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	\$	31.16
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0103
Low Voltage Service Rate	\$/kWh	0.0015
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2020	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	0.0008
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050

**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

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2019**  
**This schedule supersedes and replaces all previously**  
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EB-2018-0024

**GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION**

This classification applies to a non-residential account whose average monthly maximum gross demand over a period of 12 consecutive months 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 customers 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.

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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	\$	101.06
Distribution Volumetric Rate	\$/kW	3.3474
Low Voltage Service Rate (see Note 1)	\$/kW	0.6201
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2020	\$/kW	0.0852
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020 Applicable only for Non-Wholesale Market Participants	\$/kW	(0.2388)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	0.5305
Retail Transmission Rate - Network Service Rate	\$/kW	2.5821
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.1487

**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

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
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Standard Supply Service - Administrative Charge (if applicable)

\$

**EB-2018-0024**  
0.25

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2018-0024

## **LARGE USE SERVICE CLASSIFICATION**

This classification applies to an account whose average monthly maximum gross demand over a period of 12 consecutive months is equal to or greater than, or is forecast to be equal to or greater 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.

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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	\$	1,542.23
Distribution Volumetric Rate	\$/kW	2.3552
Low Voltage Service Rate (see Note 1)	\$/kW	0.6818
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2020	\$/kW	0.0164
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	0.1228
Retail Transmission Rate - Network Service Rate	\$/kW	2.7398
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	2.3623

## **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

**Entegrus Powerlines Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2018-0024

**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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	\$	8.35
Distribution Volumetric Rate	\$/kWh	0.0015
Low Voltage Service Rate	\$/kWh	0.0015
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050

**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

**Entegrus Powerlines Inc.**  
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## **SENTINEL LIGHTING SERVICE CLASSIFICATION**

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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	\$	7.59
Distribution Volumetric Rate	\$/kW	0.6799
Low Voltage Service Rate	\$/kW	0.4661
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020		
Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	0.1769
Retail Transmission Rate - Network Service Rate	\$/kW	1.8968
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6149

### **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

**Entegrus Powerlines Inc.**  
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## **STREET LIGHTING SERVICE CLASSIFICATION**

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, 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	\$	1.15
Distribution Volumetric Rate	\$/kW	0.9695
Low Voltage Service Rate	\$/kW	0.4552
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2020	\$/kW	0.2225
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	0.4660
Retail Transmission Rate - Network Service Rate	\$/kW	1.8774
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5773

### **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

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EB-2018-0024

**EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION**

This classification applies to an electricity distributor licensed by the Ontario Energy Board that is provided electricity by means of this distributor's facilities. 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	\$	133.89
Low Voltage Service Rate	\$/kW	0.6201
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020		
Applicable only for Non-RPP Customers	\$/kWh	0.0007
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	1.5188
Retail Transmission Rate - Network Service Rate	\$/kW	2.5821
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1487

**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



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EB-2018-0024

**STANDBY POWER SERVICE CLASSIFICATION**

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide backup service. 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**

General Service > 50 kW Standby Charge - for a customer whose facility is in the General Service > 50 kW rate class and for a month where actual demand is less than contracted demand. The charge is applied to the amount by which the amount of load transfer capacity contracted by a facility exceeds the actual demand.	\$/kW	3.3474
Large Use Standby Charge - for a customer whose facility is in the Large Use rate class and for a month where actual demand is less than contracted demand. The charge is applied to the amount by which the amount of load transfer capacity contracted by a facility exceeds the actual demand.	\$/kW	2.3552

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**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. 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	\$	5.40
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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**

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
Easement letter	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Account setup charge/change of occupancy charge	\$	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
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00

**Other**

Temporary service install and remove - overhead - no transformer	\$	500.00
Temporary service install and remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
Switching for company maintenance - charge based on time and materials	\$	T&M

# Entegrus Powerlines Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date May 1, 2019

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EB-2018-0024

### 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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0432
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0149
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0328
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0049

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**NOTES**

1) The Billing Demand for Line and Transformation Connection Services and Low Voltage Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss adjusted demand supplied from the distribution system plus (b) the demand that is supplied by embedded generation installed after October 1998, which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for nonrenewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for losses.

# **ATTACHMENT J**

## Certificate of Evidence

### **Certification of Evidence**

As Chief Executive 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

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**Jim Hogan**

Chief Executive Officer

Entegrus Powerlines Inc.