

**PowerStream Inc.**

**EB-2015-0003**

**2016 – 2020 Custom IR Rate Application**

**Response to Comments and Revisions to Draft Rate Order for  
Rates Effective January 1, 2016  
(Implementation October 1, 2016)**

**and**

**Rates Effective January 1, 2017**

**Filed: September 12, 2016**

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## **I. Introduction**

PowerStream Inc. (“PowerStream”) submitted a Draft Rate Order (“DRO”) on August 15, 2016 for 2016 and 2017 proposed rates based on the Ontario Energy Board (the “Board” or “OEB”) Decision and Order dated August 4, 2016.

As provided in the Order, OEB Staff and intervenors were directed to file their comments regarding the DRO by August 26, 2016. Comments were received from OEB Staff, Energy Probe and School Energy Coalition.

These comments are discussed in Section II, Response to Comments, below.

As a result of these comments, PowerStream has made revisions to the Draft Rate Order as discussed in Section III, Draft Rate Order Revisions, below. The revised Draft Tariff of Rates and Charges for 2016 and 2017 are attached as Schedule A and Schedule B respectively.

In this document the draft rate order filed August 21, 2016 is referred to as “AUG DRO”. This revised draft rate order filed September 12, 2016 is referred to as “SEP DRO”.

PowerStream has included in the SEP DRO supporting documentation for all changes from the AUG DRO. This document deals with the comments and changes made. Any items that have not changed remain the same as the AUG DRO.

## **II. Response to Comments**

### **OEB Staff**

OEB Staff submitted that PowerStream did not follow the Board’s Order in that it did not apply a 1.8% increase to the 2015 revenue requirement. Rather, PowerStream applied the 1.8% increase to 2015 rates. PowerStream has considered the OEB Staff comments in this regard and has determined that it erred in failing to apply the 1.8% increase to the 2015 revenue requirement. PowerStream apologizes for this mistake and is providing this revised DRO with supporting models and calculations. This is addressed under the heading “2016 Revenue Requirement and Rate Calculation”, below.

OEB Staff stated it did not have any concerns with PowerStream’s recovery claims for RGCRP funding but asked PowerStream to clarify if any of the 2016 RGCRP recovery amount is one-time in nature. PowerStream advises that its entire RGCRP 2016 recovery amount is related to capital expenditures; the recovery amount does not include OM&A and none of the amount is one-time in nature.

## **Energy Probe (“EP”)**

EP made two submissions, one on August 25, 2016 and one on September 6, 2016. In its August 25<sup>th</sup> submission, EP made the following comments:

- EP stated that PowerStream’s calculation of 2016 rates by applying a price cap adjustment to 2015 rates does not comply with the Board’s Decision and Order. EP indicated that the 1.8% increase should be applied to the 2015 revenue requirement as clearly stated in the Order. As noted above in the context of the OEB Staff comments, this was an error on PowerStream’s part, and it has been addressed under the heading “2016 Revenue Requirement and Rate Calculation”, later in this section;
- EP noted that PowerStream had not removed the fully allocated depreciation expense from the amount of OM&A included in the working capital allowance and notes that PowerStream agreed to this as part of the proceedings. PowerStream has corrected this in the revisions discussed in Section III;
- EP accepted that PowerStream had properly reflected the Decision’s reduction of \$15.8 million in 2017 capital spending and the associated reduction in depreciation expense of \$0.3 million but takes issue with PowerStream’s updating of the work in progress amount associated with the new level of capital spending. This is addressed under the heading “Capital Additions”, below;
- EP asked for an explanation and reconciliation of the differences in deprecation amounts noted. This is addressed under the heading “2017 Depreciation Expense”, below;
- EP agreed with comments of SEC related to the level of 2016 capital spending and its impact on 2017 rate base. This is addressed under the heading “Capital Additions”, below;
- EP accepted PowerStream’s RGCRP claim as filed;
- EP agreed with SEC’s comments with respect to PILs. EP questioned the amount of additions on the 2017 CCA schedule. These issues are addressed under the heading “2017 PILs”, below;
- EP agreed with PowerStream’s methodology for the calculation of foregone revenue rate riders with the exception of the number of customers used to calculate the fixed charge rate rider. EP stated that the average number of customers for October to December 2016 should be used rather than the average number of customers for 2016. This is addressed in Section III, Draft Rate Order Revisions, under the section “2016 Foregone Revenue Recovery”; and

- EP submitted that the Board should direct PowerStream to remove the cost of new Time of Use (“TOU”) meters for general service greater than 50 kW demand customers required by the DSC from rate base. This is addressed in Section III, Draft Rate Order Revisions, under the heading, Removal of TOU Meters for GS>50 kW.

On September 6, 2016, EP filed additional comments regarding the cost of capital used in the determination of 2017 rates. This is addressed under the heading “2017 Cost of Capital”, later in this section.

### **School Energy Coalition (“SEC”)**

The SEC submission addressed the following matters:

- SEC questioned whether the reduction in 2017 capital additions due to the consideration of WIP is consistent with the Board’s intent. This is addressed under the heading “Capital Additions”, later in this section.
- SEC disagreed with the inclusion of the proposed 2016 capital additions in 2017 rate base. This is addressed under the heading “Capital Additions”, later in this section;
- SEC submission on Income Tax questioned the reduction in CCA. This is addressed under the heading “2017 PILs”, later in this section; and
- With respect to Cost Allocation, SEC proposed a different redistribution adjustment than that used by PowerStream. PowerStream submits that the adjustment methodology used by PowerStream was approved in the Board’s Decision and Order and no change is required.

### **2016 Revenue Requirement and Rate Calculation**

Both OEB Staff and EP submit that the AUG DRO does not comply with the Decision and Order with regard to the calculation of 2016 rates.

PowerStream agrees that it mistakenly failed to comply with the Order with respect to the calculation of the 2016 rates and that it is necessary to update the DRO for 2016 rates to properly reflect the direction in the Order:

- *For 2016, for which rates will be effective January 1, 2016, but will be implemented on October 1, 2016, PowerStream will calculate these rates on the basis of a 1.8% increase to the 2015 revenue requirement, with no new Incremental Capital Module. All supporting models and calculations must be provided in its draft rate order.<sup>1</sup>*

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<sup>1</sup> OEB Decision and Order (EB-2015-0003), August 4, 2016, page 34

The 2015 revenue requirement of \$174.6 million can be found in the Interrogatory Responses filed August 21, 2015 in Section A, Tab 1, Schedule 1, Table A-2 on page 2 of 15 at line 7. This table is reproduced in Section III, Draft Rate Order Revisions.

EP makes the following statement: "The Board was very specific with reference to the 2015 revenue requirement excluding the incremental capital module as the starting point to calculate the 2016 revenue."<sup>2</sup> PowerStream agrees with EP's assertion that the 2015 revenue requirement is the starting point, as noted by OEB Staff, but disagrees with EP that "excluding the incremental capital module" references the 2015 revenue requirement.

What the D&O states is: "PowerStream will calculate these rates on the basis of a 1.8% increase to the 2015 revenue requirement, with no new Incremental Capital Module."<sup>3</sup> PowerStream submits that this language is clear and directs PowerStream that it may not make an incremental capital module claim for 2016 in addition to the 1.8% increase to 2015 revenue requirement.

The calculation of the 2016 revenue requirement and rates is discussed in Section III.

### **Capital Additions**

Two issues were raised in the comments from EP and SEC:

- a) Change in 2017 capital additions from the 2017 capital spending cut; and
- b) Capital expenditures included in 2017 rate base.

These are discussed below.

#### **a) Change in 2017 Capital Additions**

EP submits that the capital spending reduction of \$15.8M and the reduction in closing accumulated depreciation are correctly reflected but questions the adjustment to closing work-in-progress (WIP). EP and SEC question whether this was the Board's intent in the Decision and Order. EP submits that this adjustment be rejected as it was not specifically addressed in the Decision.

PowerStream notes that OEB Staff did not express any issues with this adjustment.

PowerStream submits that it is unreasonable to assume that when the level of capital activity changes significantly, as it has in this case with the OEB's 12% reduction, the amount of closing WIP would be unchanged. This is a natural outcome of making changes to the level of capital

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<sup>2</sup> Energy Probe Submissions on Draft Rate Order, August 25, 2016, page 3

<sup>3</sup> OEB Decision and Order (EB-2015-0003), August 4, 2016, page 34

spending in the same way that depreciation expense has been adjusted. PowerStream notes that the Decision does not specifically address the updating of depreciation expense for the change in capital spending but this change has been accepted by Energy Probe.

PowerStream has recalculated 2017 closing WIP on the same basis as the original filing as demonstrated in Schedule O – 2017 Closing WIP Calculation. PowerStream submits that the adjustment to WIP is appropriate and no change is required.

In SEC's rate base comment #1, SEC references a 2017 capital budget reduction of \$16.235 million and submits that PowerStream should be required to show how each of the specific reductions has been reflected in the fixed asset continuity tables. Schedule P attached shows which fixed asset items have been adjusted by PowerStream.

PowerStream disagrees with this comment as the Decision and Order clearly states:

*“PowerStream has proposed a total capital budget of \$131.6 million for 2017. The OEB considers that the capital budget should be decreased, and approves a total capital budget of \$115.8 million in 2017 representing a 12% cut from the proposed level. ... The table below shows an approximate breakdown of how the OEB arrived at the reduction of the proposed capital budget amount for 2017. However, the OEB is approving the capital budget for 2017 using an “envelope”. It is for PowerStream to determine the appropriate way to allocate the capital budget within the limits of the total capital budget for the year.”<sup>4</sup>*

To summarize, in its Decision and Order, the OEB ordered a reduction from \$131.6 million to \$115.8 million, a decrease of 12%, i.e. \$15.8 million, and that the \$115.8 million is an envelope – PowerStream is to determine the appropriate allocation of this spending.

As discussed above, after taking into account the impact on the 2017 ending WIP, the reduction in 2017 in-service capital additions is \$11.1 million. In the detailed calculations the change is \$11,034,000 and the difference is due to rounding when preparing the high level summary in millions of dollars.

### **Capital Expenditures Included In 2017 Rate Base**

Both EP and SEC submit that the Decision and Order requires a reduction from the 2016 proposed capital expenditures in arriving at the amount of opening net fixed assets for inclusion in 2017 rate base.

SEC states that PowerStream should “assume” this lower level of capital expenditures.

EP states:

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<sup>4</sup> Ibid., page 14

*“Energy Probe agrees with the comments of SEC related to the level of capital spending in 2016. As the Board is aware, capital spending in the bridge year actually has a larger impact on rate base and the revenue requirement in the test year than does spending in the test year. Energy Probe submits that it is not plausible that the Board would have either simply overlooked the 2016 capital expenditures – which were higher than that which the Board reduced in the 2017 test year – or that the Board was unaware of the impact of the 2016 capital expenditures on the 2017 revenue requirement and therefore did not review them.”<sup>5</sup>*

PowerStream submits there is no need to “assume” as the Decision and Order clearly deals with capital spending and specifies the changes to be made.

PowerStream agrees that it is not plausible that the Board would have either simply overlooked the 2016 capital expenditures or that the Board was unaware of the impact of the 2016 capital expenditures on the 2017 revenue requirement and therefore did not review them.

From the extracts from the Decision and Order set out below, it is clear that:

- The OEB has conducted a review of PowerStream’s spending plans;
- the OEB has approved PowerStream’s proposals except for changes as directed in the Decision and Order; and
- The OEB has not approved capital spending beyond 2017.

The statements below indicate that the OEB has reviewed and approved capital spending up to and including 2017, with the changes as specified.

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<sup>5</sup> Energy Probe Submissions on Draft Rate Order, August 25, 2016, page 6

- **Related Excerpts from Decision and Order**

In its discussion on capital investment, the Decision and Order states:

*“In the absence of internal benchmarking to confirm and measure continuous improvement, the OEB has conducted a detailed review of PowerStream’s spending plans. The OEB does not consider that PowerStream has provided sufficient evidence of what its capital investment will accomplish in terms of outcomes for customers, and why they are appropriate, to justify approving its capital investment beyond 2017.”<sup>6</sup>*

In its Findings on the capital budget, the Decision and Order states:

*“PowerStream has proposed a total capital budget of \$131.6 million for 2017. The OEB considers that the capital budget should be decreased, and approves a total capital budget of \$115.8 million in 2017 representing a 12% cut from the proposed level. In arriving at this amount, the OEB took into account a number of elements of the proposed capital budget that it considers should reasonably be reduced. Where a specific expenditure is not discussed, this means that the OEB did not have concerns with it. The elements of the capital budget that the OEB considers should reasonably be reduced are discussed below. The table below shows an approximate breakdown of how the OEB arrived at the reduction of the proposed capital budget amount for 2017. However, the OEB is approving the capital budget for 2017 using an “envelope”. It is for PowerStream to determine the appropriate way to allocate the capital budget within the limits of the total capital budget for the year.”<sup>7</sup>*

In its summary section, the Decision and Order states:

*“The OEB addresses in its Decision only issues that it considers require discussion, and consequently has not addressed all issues on the issues list of this proceeding. For any issues not specifically addressed in this Decision, the OEB accepts PowerStream’s position.”<sup>8</sup>*

PowerStream submits that the OEB would have directed reductions to 2016 capital for the setting of 2017 rates if this were its intention, and as the OEB did not direct any such reductions, changes to the opening 2017 capital are not required, with the exception of the removal of GS>50 kW TOU meters to be recorded in account 1557.

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<sup>6</sup> Ibid., page 11

<sup>7</sup> Ibid., page 14

<sup>8</sup> Ibid., page 3

## 2017 Depreciation Expense

EP noted that there is a number of different 2017 depreciation expense amounts used in the DRO and submits that PowerStream should provide a reconciliation of these amounts.

PowerStream has prepared Table II-1 below reconciling the 2017 depreciation expense/ addition to accumulated depreciation per Schedule M, Fixed Asset Continuity Schedule ("FACS") of the DRO to the depreciation expense included in 2017 revenue requirement as shown in the RRWF in Schedule D of the AUG DRO.

**Table II-1: 2017 Depreciation Reconciliation – FACS vs. RRWF (\$ thousands)**

Line	Description	Amount
1	2017 Depreciation - Sch. M (PP&E Continuity)	\$52,503
2	less depreciation allocated to OM&A and capital	(\$2,598)
3	<b>Net depreciation expense</b>	<b>\$49,905</b>
4	Add derecognition depreciation expense	\$1,300
5	<b>Depreciation Expense</b>	<b>\$51,205</b>
6	<b>Depreciation expense Sch. D RRWF</b>	<b>\$51,204</b>
7	Rounding difference	\$1

The annual depreciation amount (line 1) is reduced by the amount of depreciation allocated to OM&A and capital projects (line 2) and increased by the amount of derecognition expense (line 4). PowerStream has included derecognition expense here and not in other revenue offsets. There is a small rounding difference of \$1 thousand.

PowerStream has prepared Table II-2 below reconciling the 2017 depreciation expense/ addition to accumulated depreciation per Schedule M, Fixed Asset Continuity Schedule ("FACS") of the AUG DRO to the depreciation expense added back to arrive at taxable income in the PILs model in Schedule E of the AUG DRO.

**Table II-2: 2017 Depreciation Reconciliation – FACS vs. PILs (\$ thousands)**

Line	Description	Amount
1	2017 Depreciation - Sch. M (PP&E Continuity)	\$52,503
2	Add derecognition depreciation expense	\$1,300
3	<b>Depreciation Addback for PILs Sch. E</b>	<b>\$53,803</b>

The entire amount of annual depreciation amount (line 1) and the amount of derecognition expense (line 2) are required to be added back for tax purposes and capital cost allowance (CCA) taken instead.

PowerStream submits that the differences are appropriate as explained above and that no change is required.

**2017 PILs**

SEC commented that it is not clear why there is such a large reduction in CCA relative to the reduced ROE and asks PowerStream to provide additional supporting information on changes in the depreciation and CCA amounts. EP agrees with SEC’s comments.

The August 15, 2016 DRO, in the narrative and Tables 4, 5 and 6 on pages 7 to 9, illustrates and explains how the reduction in Target net Income/ROE of \$0.2 million; the reduction in depreciation expense of \$0.3 million; and the increase in PILs of \$0.2M are calculated.

PowerStream has prepared the following tables from the pre-filed evidence and the AUG DRO to provide additional information regarding the changes in depreciation and CCA amounts.

Table II-3 compares the depreciation expense from the 2017 Fixed Asset Continuity Schedule (“FACS”) from the AUG DRO Schedule M with the depreciation expense from the 2017 FACS filed August 2015, Section A, Tab 2, Schedule 4.

**Table II-3: Comparison of 2017 Depreciation Expense (\$ thousands)**

Description	Aug. 2016 DRO	Aug. 2015 Update	Change
Fixed Assets at Cost - Jan 1, 2017 Opening	\$1,186,300	\$1,186,300	\$0
2017 Additions	\$133,324	\$144,358	(\$11,034)
2017 Disposals	(\$2,734)	(\$2,734)	\$0
2017 Net Additions sub-total	\$130,590	\$141,624	(\$11,034)
Fixed Assets at Cost - Dec 31, 2017 Closing	\$1,316,890	\$1,327,924	(\$11,034)
1/2 year rule adjustment	(\$65,295)	(\$70,812)	\$5,517
Base for annual depreciation	\$1,251,595	\$1,257,112	(\$5,517)
Depreciation	\$ 52,503	\$52,780	(\$277)
Average annual depreciation rate	4.2%	4.2%	

Table II-3 shows the same average rate of depreciation for the revised fixed asset amounts in the DRO as in the application as filed and the resulting decrease in depreciation expense of \$277,000. See Schedule Q, Comparison of 2017 Depreciation Expense, prepared from the evidence referenced above for supporting details.

Table II-4 compares the revised CCA deduction in the PILs model filed in AUG DRO Schedule E with the CCA deduction recorded in the PILs model filed August 2015, Section A, Tab 2, Schedule

**Table II-4: Comparison of 2017 CCA (\$ thousands)**

Description	Aug. 2016 DRO	Aug. 2015 Update	Change
UCC - Jan 1, 2017 Opening	\$951,481	\$951,481	\$0
2017 Additions	\$132,011	\$143,043	(\$11,032)
2017 Disposals	\$0	\$0	\$0
2017 Net Additions sub-total	\$132,011	\$143,043	(\$11,032)
UCC - Dec 31, 2017 Closing before CCA	\$1,083,492	\$1,094,524	(\$11,032)
1/2 year rule adjustment	(\$66,006)	(\$71,522)	\$5,516
Reduced UCC	\$1,017,487	\$1,023,003	(\$5,516)
CCA	\$77,438	\$78,576	(\$1,138)
Average CCA rate	7.6%	7.7%	

Table II-4 shows approximately the same average CCA rate for the AUG DRO as in the Application resulting in a decrease in CCA claim of \$1,138,000. The slight difference in average rates arises due to the deduction of capitalized interest from additions for CCA as discussed below. Only assets that are in work-in-progress for months attract capitalized interest. This results in the split among CCA classes for additions for CCA being different before and after the capital reduction. See Schedule R, Comparison of 2017 UCC additions and CCA Claim, for supporting details.

EP stated that it appears PowerStream has understated the additions to the CCA schedule for 2017. PowerStream disagrees and has prepared Table II-5 below reconciling the 2017 fixed asset additions in Schedule M with the additions on the CCA schedule in the PILS model in Schedule E of the August 2016 DRO.

**Table II-5: 2017 Additions to CCA Schedule (\$thousands)**

Fixed asset additions per Schedule M	\$133,324
Less capitalized interest deducted schedule 1	(\$1,283)
Less amounts going to CEC schedule 10	(\$30)
<b>Additions to CCA Schedule 8</b>	<b>\$132,011</b>

Interest capitalized has been deducted for tax purposes. This reduces taxable income by the full amount in 2017 rather than only the CCA on this amount, which reduces the PILs payable amount included in rates more. Certain fixed asset additions do not qualify for CCA but are included in cumulative eligible capital (CEC) and a CEC deduction is claimed instead.

PowerStream submits that the supporting evidence shows that no adjustments are required to the 2017 PILs amount as set out in the AUG DRO. Note that the 2017 PILs has been updated in this revised draft rate order but only to reflect the changes discussed in Section III.

### **Cost of Capital**

EP filed a submission on September 6, 2016 stating that 2017 rates need to wait for the 2017 cost of capital parameters to be issued so that PowerStream can update its 2017 revenue requirement on this basis.

EP supports this by reference to the annual update proposed for the custom IR plan and the use of these values as placeholders.

In the Decision and Order, the OEB makes it clear that there will be no Custom IR plan and no annual update for 2017. Instead it has rendered a Decision and Order calling for PowerStream to set 2016 and 2017 rates now based on the direction in the Decision and Order.

PowerStream submits that in the Decision and Order, the Board has accepted the cost of capital values in the Application as it has not directed PowerStream to make any changes, and that as a result, no change is required. PowerStream notes that OEB Staff made no submissions on the cost of capital parameters used in the AUG DRO.

### **Cost Allocation**

SEC submitted that PowerStream should use a different method for allocating the offsetting amounts arising from adjustments required to bring the revenue to cost ratios for customer classes within the OEB approved range.

PowerStream submits that this issue has been dealt with in the rate proceeding. Specifically, the OEB has dealt with Cost Allocation in the Decision and Order and has accepted PowerStream's position on this adjustment. No change is proposed in this revised DRO.

### **Foregone Revenue Rate Riders**

EP agreed with PowerStream's method of calculating the 2016 foregone revenue rate riders with one exception. EP submits that the use of the 2016 average customers in calculating the foregone revenue fixed charge rate riders is inconsistent and that PowerStream should use the average customers for the period October to December 2016.

PowerStream agrees that this change is appropriate and has updated the foregone revenue fixed charge rate riders using the average customers for the period October to December 2016.

### **Account 1557 Meter Cost Deferral Account**

EP submits that PowerStream has not reflected the impact of the Board's Decision and Order regarding the replacement of GS>50 kW demand meters with TOU meters and the recording of

these costs in account 1557 – that is, that both the cost of the new meters and the cost of the stranded meters need be tracked in account 1557 similar to the treatment of smart meters.

PowerStream notes that it has removed the costs of the stranded meters from rate base but included the cost of the new meters in its capital expenditures and rate base. Table II-6 below summarizes these amounts.

**Table II-6: GS>50 kW TOU Meters and Stranded Meter Costs**

Description	2015	2016	2017	Totals
Capital Expenditure included	\$1,592,952	\$1,196,859	\$1,303,795	\$4,093,606
NBV stranded meters removed	\$330,317	\$588,132	\$588,132	\$1,506,581

In this revised DRO, PowerStream has corrected this oversight and removed the capital expenditures on new TOU meters totaling \$4.1 million from the fixed asset continuity schedules underpinning the 2017 rate base.

See Schedule S, Removal of GS>50 kW TOU Meters, for details of the costs removed and resulting impacts on the net book value for calculating average Net Fixed Assets for rate base, depreciation expense and CCA.

### III. Draft Rate Order Revisions

Based on the comments received from Board Staff, EP and School Energy Coalition, discussed in Section II above, PowerStream has made revisions to its Draft Rate Order. The changes are summarized below.

#### a) 2016 Rates:

- 2016 rates calculated on the basis of 2015 revenue requirement of \$174.6 million plus 1.8% as per Order;
- Complete 2016 RRWF;
- Update 2016 Cost Allocation model;
- Revise 2016 Foregone Revenue Rate Riders;
- Update Deferral and Variance amounts and rate riders to reflect impact of revisions,
- Update proposed 2016 Tariff of Rates and Charges effective January 1, 2016 and implemented October 1, 2016; and
- Update Customer bill impacts for 2016.

#### b) 2017 Rates:

- Update Fixed Asset Continuity Schedules for 2015, 2016 and 2017 to remove the GS>50 kW TOU meters to be recorded in account 1557; and

- Revise the working capital allowance to remove depreciation included in OM&A;
- Update 2017 RRWF to reflect above changes;
- Update 2017 Cost Allocation using 2016 proposed rates and revised revenue requirement to allocate 2017 revenue to customer classes applying the same methodology used in the Application;
- Update Appendix 2-PA New Rate Design Policy for Residential Customers;
- Update proposed 2017 Tariff of Rates and Charges effective January 1, 2017; and
- Update Customer bill impacts for 2017.

Details of these changes are discussed below.

### Bill Impacts

Tables III-1 and III-2 summarize the bill impacts for 2016 and 2017. See Schedule C for the full bill impact calculations. Draft rate schedules for 2016 and 2017 are attached as Schedule A and Schedule B respectively.

**Table III-1: Bill Impact Summary – Total Bill**

Customer Class	Billing Determinant	Consumption per Customer (kWh)	Load per Customer (kW)	Total Bill	
				2016	2017
Residential	kWh	750		4.1%	1.0%
GS<50 kW	kWh	2,000		3.8%	0.6%
GS>50 kW	kW	80,000	250	4.9%	(0.7%)
Large Use	kW	2,800,000	7,350	3.2%	(1.0%)
Unmetered Scattered Load	kWh	150		9.0%	(1.1%)
Sentinel Lights	kW	180		5.8%	2.4%
Street Lighting	kW	280		1.2%	0.8%
<b>Average</b>				<b>4.6%</b>	<b>0.3%</b>

**Table III-2: Bill Impact Summary - Distribution**

Customer Class	Billing Determinant	Consumption per Customer (kWh)	Load per Customer (kW)	Distribution Component	
				2016	2017
Residential	kWh	750		18.8%	2.7%
GS<50 kW	kWh	2,000		20.1%	1.6%
GS>50 kW	kW	80,000	250	61.0%	(8.3%)
Large Use	kW	2,800,000	7,350	75.5%	(20.9%)
Unmetered Scattered Load	kWh	150		28.8%	(3.2%)
Sentinel Lights	kW	180		18.9%	5.9%
Street Lighting	kW	280		7.2%	(9.4%)
<b>Average</b>				<b>32.9%</b>	<b>(4.5%)</b>

As all total bill impacts are under 10%, no further rate mitigation is proposed. See “Rate Mitigation”, below, for the steps that have been taken.

**Rate Mitigation**

As discussed below under 2016 Rates, Deferral and Variance Accounts (“DVA”), PowerStream proposes to mitigate the bill impact of the foregone revenue rate riders, by refunding the credit DVA balances over the same period, October 1, 2016 to December 31, 2016, and recover the debit DVA balances over a two year from January 1, 2017 to December 31, 2018 with some exceptions to this general approach as discussed below.

Based on the general approach discussed above, the rate impacts were reasonable for most classes but for three classes there were issues.

The Street Lighting class, with the changes in the OEB cost allocation methodology, has a significant refund under the foregone revenue rate riders. This causes its rate impacts to differ significantly from the other classes. This resulted in a significant decrease in 2016 followed by a sharp increase in 2017, with a total bill impact over 10%, when the refunds end. To mitigate and smooth the rate impacts PowerStream proposes that all DVA rate riders for Street Lighting be recovered over the three month period October 1, 2016 to December 31, 2016 which results in the bill impacts above.

The Large Use class, due to the allocation of DVA amounts, also exhibited rate impacts that were significantly different from the other classes. This resulted in a significant decrease in 2016 followed by a larger increase in 2017 than most other classes, although total bill impact was under 10%. To mitigate and smooth the rate impacts PowerStream proposes that all DVA rate riders for

Large Use be recovered over the three month period October 1, 2016 to December 31, 2016 which results in the bill impacts above.

The GS >50 kW demand class, due to the allocation of DVA amounts, also exhibited rate impacts that were somewhat different from the other classes. This resulted in no increase in 2016 followed by a larger increase in 2017 than most other classes, although total bill impact was under 10%. To mitigate and smooth the rate impacts PowerStream proposes that all DVA rate riders for GS >50 kW be recovered over the 12 month period October 1, 2016 to September 30, 2017 which results in the bill impacts above.

**a) 2016 Rates**

**Basis for 2016 Rates**

In the Order, PowerStream is directed to use 2015 Revenue Requirement plus an increase of 1.8% as the basis for 2016 rates. The 2015 revenue requirement of \$174.6 million is found in the Interrogatory Responses filed August 21, 2015 in Section A, Tab 1, Schedule 1, Table A-2 on page 2 of 15 at line 7 and is reproduced below.

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**Table A-2: Updated Revenue Requirement (\$millions)**

	Board Approved	Historic Actual		Bridge Year <sup>1</sup>	Test Years <sup>1</sup>				
	2013	2013	2014	2015	2016	2017	2018	2019	2020
Return on Rate base	\$49.7	\$50.0	\$52.2	\$57.6	\$60.7	\$66.4	\$71.5	\$75.9	\$80.1
Operating costs <sup>2</sup>	\$80.0	\$80.8	\$85.5	\$92.6	\$96.2	\$101.8	\$103.7	\$106.1	\$108.2
Depreciation	\$33.8	\$32.8	\$35.7	\$40.3	\$46.1	\$50.2	\$52.8	\$55.7	\$58.9
Derecognition expense	\$1.4	\$1.5	\$2.1	\$1.5	\$1.3	\$1.3	\$1.3	\$1.3	\$1.3
IFRS PP&E Amortization	(\$2.4)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Income Taxes	\$1.5	\$1.6	\$0.4	(\$4.9)	(\$4.7)	\$3.3	\$4.9	\$5.9	\$6.2
<b>Sub-total</b>	<b>\$164.1</b>	<b>\$166.6</b>	<b>\$175.8</b>	<b>\$187.1</b>	<b>\$199.6</b>	<b>\$223.0</b>	<b>\$234.2</b>	<b>\$244.9</b>	<b>\$254.7</b>
Revenue Offsets <sup>2</sup>	(\$9.8)	(\$13.5)	(\$14.0)	(\$12.5)	(\$12.6)	(\$12.7)	(\$12.8)	(\$12.9)	(\$13.1)
<b>Revenue Requirement</b>	<b>\$154.2</b>	<b>\$153.1</b>	<b>\$161.8</b>	<b>\$174.6</b>	<b>\$187.0</b>	<b>\$210.3</b>	<b>\$221.4</b>	<b>\$232.0</b>	<b>\$241.6</b>

1. Bridge and Test Years are forecasted values

2. Operating Costs and Revenue offsets for 2013 Board Approved are lower by \$2.9M due to netting of costs with revenue

Table III-3 below calculates the amount upon which 2016 rates are to be based as directed in the Order.

**Table III-3: Basis for 2016 Rates (\$millions)**

	2015 Revenue Requirement	Add 1.8%	Basis for 2016 Rates
Revenue Requirement	\$174.6	\$3.1	\$177.8

The Order directs PowerStream to file an OEB Revenue Requirement Work Form (RRWF) for each year. The basis/revenue requirement to be used for 2016 rates as ordered is the 2015 revenue requirement plus an increase of 1.8% rather than the 2016 revenue requirement calculation as filed. PowerStream discusses completion of the 2016 RRWF below.

**2016 RRWF**

PowerStream has revised the 2016 RRWF filed to reflect the Decision and Order as follows:

- Total revenue requirement of \$177.8 million as determined above;
- OM&A based on 2015 OM&A of \$92.6 million plus 1.8%, i.e. \$94.2 million;
- Rate base adjusted to reflect lower OM&A, including the removal of depreciation included in OM&A of \$564,000, and the removal of the cost of 2015 and 2016 meter additions to be recorded in account 1557;
- Deemed interest expense updated to reflect the revised rate base, no change in interest rate from 2015;
- Depreciation updated to reflect removal of meters to be recorded in account 1557; and
- ROE adjusted to balance to 2016 revenue requirement basis of \$177.8 million along with corresponding changes in PILs.

Table III-4 below summarizes the resulting 2016 revenue requirement and compares it to the requested 2016 revenue requirement in the Application filed August 21, 2015.

**Table III-4: 2016 Revenue Requirement/RRWF - DRO vs. Application (\$thousands)**

2016 Revenue Requirement -RRWF	Sep 2016 DRO	Aug 2015 Update	Change	Note
ROE - Target Net Income	\$32,291	\$37,500	(\$5,209)	1
Short term interest	\$869	\$871	(\$2)	2
Long term interest	\$22,298	\$22,348	(\$50)	2
OM&A	\$94,224	\$96,216	(\$1,992)	3
Depreciation and amortization	\$45,928	\$46,074	(\$146)	4
Derecognition expense	\$1,300	\$1,300	\$0	
Income Taxes (PILs)	(\$6,564)	(\$4,694)	(\$1,869)	5
<b>Service Revenue Requirement</b>	<b>\$190,346</b>	<b>\$199,614</b>	<b>(\$9,268)</b>	
Revenue Offsets	\$12,591	\$12,591	\$0	
<b>Base Revenue Requirement</b>	<b>\$177,755</b>	<b>\$187,023</b>	<b>(\$9,268)</b>	
<b>Notes</b>				
1.	ROE has been adjusted so Base Revenue Requirement is in line with basis per D&O.			
2.	Adjusted to reflect adjustments to 2016 rate base pertaining to meters and Working Capital Allowance (WCA) related to change in OM&A. See Rate Base table in Schedule D			
3.	Adjust 2016 OM&A to be based on 1.8% increase to 2015 OM&A of \$92.6 million			
4.	See supporting table in Schedule D			
5.	See supporting table in Schedule D			

The above schedule along with supporting details is attached with the 2016 RRWF as Schedule D.

### 2016 Rate Calculation

PowerStream has allocated the 2016 revenue requirement of \$177,754,640 (rounded as \$177.8 million above) to the customer classes on the basis of the updated 2016 cost allocation model discussed below.

The 2016 rate model is attached as Schedule G and the Excel file is being uploaded to the OEB website site using RESS. The 2016 Revenue Validation Schedule is attached as Schedule F.

### 2016 Cost Allocation

The updated 2016 Cost Allocation Model is attached as Schedule I. The cost allocation results are summarized below in Table III-5.

**Table III-5: 2016 Cost Allocation Results**

Revenue /Expenses Ratio	CA model at "status quo" rates	OEB PROPOSED RANGE		Proposed per DRO
Residential	100.8%	85%	115%	100.8%
GS Less Than 50 kW	99.2%	80%	120%	99.5%
GS 50 to 4,999 kW	98.0%	80%	120%	98.3%
Large Use	72.9%	85%	115%	85.2%
Unmetered Scattered Load	88.5%	80%	120%	88.8%
Sentinel Lighting	82.1%	80%	120%	82.3%
Street Lighting	137.1%	70%	120%	120.0%

The cost allocation results showed that two classes were outside the OEB allowed range: Large Use and Street Lighting. PowerStream calculated the adjustments to bring these two classes within the OEB range, an increase of \$50,789 for Large Use and a reduction of \$324,330 for Street Lighting. This left a net under recovery of \$273,540 which was allocated pro rata, on the basis of the pre-adjustment revenue, to the classes with revenue to cost ratios below 100%. The results are shown in Table III-6 below:

**Table III-6: 2016 Cost Allocation Adjustment**

Customer Class	CA model at "status quo" rates	Re-allocation	Proposed per DRO
Residential	\$96,103,972		\$96,103,972
GS Less Than 50 kW	\$27,001,458	\$93,243	\$27,094,701
GS 50 to 4,999 kW	\$51,377,879	\$177,421	\$51,555,300
Large Use	\$292,500	\$51,799	\$344,300
Unmetered Scattered Load	\$522,589	\$1,805	\$524,394
Sentinel Lighting	\$17,964	\$62	\$18,026
Street Lighting	\$2,438,280	(\$324,330)	\$2,113,950
<b>Total</b>	<b>\$177,754,642</b>	<b>\$0</b>	<b>\$177,754,642</b>

Detailed cost allocation adjustment schedules are included in Schedule I.

**2016 Foregone Revenue Rate Riders (FRRR)**

PowerStream has updated the calculation of foregone revenue and FRRR based on the 2016 proposed rates in this revised DRO. This is attached as Schedule J and the Excel model is being filed via RESS.

PowerStream has included the ICM rate riders billed in 2016 as part of the revenue at interim rates thereby reducing the amount of foregone revenue. The reason for this is discussed under the heading “Deferral and Variance Accounts (DVA)”, below.

PowerStream proposes to recover the foregone 2016 revenue over the remaining three months of 2016, i.e. October 1 to December 31, 2016.

To mitigate the rate impacts of the FRRR, PowerStream is proposing to accelerate refunds of certain deferral and variance account balances and defer recovery of others to 2017. This is discussed under the heading, Rate Mitigation, and below under the heading Deferral and Variance Accounts (DVA).

### **Deferral and Variance Accounts (DVA)**

As 2016 rates effective January 1, 2016 are based on the 2015 revenue requirement, the 2014 ICM spending has, in effect, been incorporated into rates. This has several effects and resulted in the following changes:

- the ICM rate riders to be discontinued as of October 1, 2016;
- the ICM rate riders billable from January 1 to September 30, 2016 are included in revenue at interim rates reducing the amount of 2016 foregone revenue to be recovered; and
- the ICM True-up model has been revised to cover the period up to December 31, 2015 as revenue requirement on the approved 2014 ICM investments is included in 2016 rates and the ICM rate riders applied to reduce 2016 foregone revenue.

See Schedule N for the revised ICM True-up model. The Excel file is being submitted on RESS.

As 2016 rates are based on the 2015 revenue requirement, in effect the account 1575 IFRS-CGAAP Transition PP&E Amount is no longer being amortized through the reduction in 2013 base rates.

PowerStream proposes to dispose of the December 31, 2015 balance of account 1575, being a \$2,392,747 credit plus accrued interest, at the 2015 weighted average cost of capital of 5.85%, to September 30, 2016, for a total amount of \$2,497,825 credit to be refunded to customers. Table III-7 shows the calculation of this amount.

**Table III-7: Account 1575 IFRS-CGAAP Transition PP&E Amount**

2016	Principal			Interest	
	Open	Refund	Close	Days	Amount
Jan	(\$2,392,747)		(\$2,392,747)	31	(\$11,888)
Feb	(\$2,392,747)		(\$2,392,747)	29	(\$11,121)
Mar	(\$2,392,747)		(\$2,392,747)	31	(\$11,888)
Apr	(\$2,392,747)		(\$2,392,747)	30	(\$11,505)
May	(\$2,392,747)		(\$2,392,747)	31	(\$11,888)
Jun	(\$2,392,747)		(\$2,392,747)	30	(\$11,505)
Jul	(\$2,392,747)		(\$2,392,747)	31	(\$11,888)
Aug	(\$2,392,747)		(\$2,392,747)	31	(\$11,888)
Sep	(\$2,392,747)		(\$2,392,747)	30	(\$11,505)
add interest			(\$105,078)	274	(\$105,078)
<b>Total /Ending balance</b>			<b>(\$2,497,825)</b>	<b>Rate</b>	<b>5.85%</b>

Table III-8 summarizes the DVA balances for disposition in the revised DRO with a comparison to the Application and the August 15, 2016.

**Table III-8: Deferral and Variance Accounts for Disposition**

Description	May 2015 Filing	Interest Update	Other Adjustment	Aug 2016 DRO	Change	Sep 2016 DRO
Total of Group 1 Accounts (1550, 1551, 1584, 1586 and 1595)	\$5,359,719	\$24,547	\$0	\$5,384,266		\$5,384,266
Total of Account 1580 and 1588 (not allocated to WMPs)	(\$5,496,352)	(\$25,378)	\$0	(\$5,521,730)		(\$5,521,730)
Balance of Account 1589 Allocated to Non-WMPs	\$10,422,091	\$48,011	\$0	\$10,470,102		\$10,470,102
Balance of Account 1589 allocated to Class A Non-WMP Customers	\$0	\$0	\$0	\$0		\$0
Group 2 Accounts - Total balance allocated to each class	\$3,220,045	\$13,285	(\$431,207)	\$2,802,124	\$76,383	\$2,878,507
IFRS-CGAAP Transition PP&E Amounts Balance <sup>2</sup>	(\$2,392,747)	\$0	\$2,392,747	\$0	(\$2,497,825)	(\$2,497,825)
LRAM Variance Account	(\$504,257)	(\$17,143)	(\$73,343)	(\$594,743)		(\$594,743)
Smart Grid Funding Adder true-up	(\$525,761)	(\$4,341)	\$0	(\$530,102)		(\$530,102)
Smart Meters Residual Amounts	\$599,111	\$1,917	\$0	\$601,028		\$601,028
<b>Total</b>	<b>\$10,681,849</b>	<b>\$40,899</b>	<b>\$1,888,197</b>	<b>\$12,610,945</b>	<b>(\$2,421,442)</b>	<b>\$10,189,503</b>

Changes from the Application to the August 2016 DRO are explained in the August 2016 DRO. The two changes from the August 2016 DRO, ICM True-up and Account 1575, are explained above.

To mitigate rate impacts in 2016 and 2017, PowerStream proposes the general disposition periods shown in Table III-6 below.

**Table III-6: DVA Disposition Amounts and Recovery Periods**

Description	Sep 2016 DRO	Disposition Period		Total Dispositions
		Oct 1/16 to Dec 31/16	Two Years	
Total of Group 1 Accounts (1550, 1551, 1584, 1586 and 1595)	\$5,384,266	\$0	\$5,384,266	\$5,384,266
Total of Account 1580 and 1588 (not allocated to WMPs)	(\$5,521,730)	(\$5,521,730)	\$0	(\$5,521,730)
Balance of Account 1589 Allocated to Non-WMPs	\$10,470,102	\$0	\$10,470,102	\$10,470,102
Balance of Account 1589 allocated to Class A Non-WMP Customers	\$0	\$0	\$0	\$0
Group 2 Accounts - Total balance allocated to each class	\$2,878,507	\$0	\$2,878,507	\$2,878,507
IFRS-CGAAP Transition PP&E Amounts Balance <sup>2</sup>	(\$2,497,825)	(\$2,497,825)	\$0	(\$2,497,825)
LRAM Variance Account	(\$594,743)	(\$594,743)	\$0	(\$594,743)
Smart Grid Funding Adder true-up	(\$530,102)	(\$530,102)	\$0	(\$530,102)
Smart Meters Residual Amounts	\$601,028	\$0	\$601,028	\$601,028
<b>Total</b>	<b>\$10,189,503</b>	<b>(\$9,144,400)</b>	<b>\$19,333,903</b>	<b>\$10,189,503</b>

In looking at rate impacts, it was necessary to vary the disposition periods on a different basis for the Street Lighting, Large Use and GS>50 kW demand classes. This is discussed above under the heading, Rate Mitigation.

See Schedule K for the updated EDDVAR model and rate rider outside of model calculations.

**Other Rates**

Due to the timing of the implementation, October 1, PowerStream proposes to leave Low Voltage charges, Retail Transmission Service Rates and loss factors unchanged from 2015 approved rates for the remainder of 2016.

**b) 2017 Rates**

Table III-9 below summarizes the changes in rate base and revenue requirement in the revised Draft Rate Order.

**Table III-9: 2017 Rate Base and Revenue Requirement Summary (\$millions)**

2017	Sep 2016 DRO	Increase (Decrease)	Aug 2016 DRO	August 21, 2015 Update	Increase (Decrease)
Rate Base	\$1,082.8	(\$3.1)	\$1,085.9	\$1,091.8	(\$5.8)
Revenue Requirement	\$203.9	(\$0.5)	\$204.4	\$210.3	(\$6.0)

The changes in the SEP DRO reflect the removal of demand TOU meters to be recorded in Account 1557 and the removal of the depreciation included in OM&A for the working capital allowance calculation. These changes from the AUG DRO are discussed below.

See Section II, Account 1557 Meter Cost Deferral Account and Schedule S, Removal of GS>50 kW TOU meters for a further details and calculation of the amounts to adjust.

## 2017 Rate Base

Table III-10 below summarizes the changes in rate base and revenue requirement in the revised Draft Rate Order.

**Table III-10: 2017 Rate Base Summary (\$millions)**

2017	Sep 2016 DRO	Increase (Decrease)	Aug 2016 DRO	Aug. 21, 2015 Update	Change*	
Net Fixed Assets (NFA) - beginning	\$954.1	(\$2.6)	\$956.7	\$956.7	\$0.0	1
+ Capital spending	\$114.5	(\$1.3)	\$115.8	\$131.6	(\$15.8)	1
+ Opening WIP	\$57.4	\$0.0	\$57.4	\$57.4	\$0.0	
- Closing WIP	(\$40.0)	\$0.0	(\$40.0)	(\$44.6)	\$4.7	
- Amortization	(\$52.3)	\$0.2	(\$52.5)	(\$52.8)	\$0.3	1
- Dispositions at net book value	(\$2.0)	\$0.0	(\$2.0)	(\$2.0)	\$0.0	
= Net Fixed Assets (NFA) - year end	\$1,031.8	(\$3.6)	\$1,035.4	\$1,046.3	(\$10.8)	1
<b>Average NFA for Rate Base</b>	<b>\$993.0</b>	<b>(\$3.1)</b>	<b>\$996.1</b>	<b>\$1,001.5</b>	<b>(\$5.4)</b>	
Cost of Power	\$1,101.9	\$0.0	\$1,101.9	\$1,101.9	\$0.0	
Distribution Expenses	\$95.6	(\$0.6)	\$96.2	\$101.8	(\$5.6)	2
	\$1,197.5	(\$0.6)	\$1,198.1	\$1,203.7	(\$5.6)	
Working Capital Allowance 7.50%	\$89.8	(\$0.0)	\$89.9	\$90.3	(\$0.4)	
<b>Rate Base</b>	<b>\$1,082.8</b>	<b>(\$3.1)</b>	<b>\$1,085.9</b>	<b>\$1,091.8</b>	<b>(\$5.8)</b>	

\* minor differences are due to rounding

Notes

1. Removal of TOU meters to account 1557

2. Removal of depreciation in OM&A for calculation of working capital allowance portion of rate base

See Schedule T, Depreciation Included in OM&A for the calculation of the reduction to OM&A for purposes of calculating working capital allowance.

## 2017 Revenue Requirement

Table III-11 below summarizes the changes in 2017 revenue requirement in the revised Draft Rate Order.

**Table III-11: 2017 Revenue Requirement Summary (\$millions)**

2017	Sep 2016 DRO	Increase (Decrease)	Aug 2016 DRO	Aug. 21, 2015 Update	Change
OM&A Expenses	\$96.2	\$0.0	\$96.2	\$101.8	(\$5.6)
Depreciation	\$51.0	(\$0.2)	\$51.2	\$51.5	(\$0.3)
Target Net Income	\$40.3	(\$0.1)	\$40.4	\$40.6	(\$0.2)
Interest	\$25.6	(\$0.1)	\$25.7	\$25.8	(\$0.1)
Taxes	\$3.5	(\$0.0)	\$3.6	\$3.4	\$0.2
<b>Service Revenue Requirement</b>	<b>\$216.6</b>	<b>(\$0.4)</b>	<b>\$217.1</b>	<b>\$223.0</b>	<b>(\$6.0)</b>
Revenue offsets	(\$12.7)	\$0.0	(\$12.7)	(\$12.7)	\$0.0
<b>Base Revenue Requirement</b>	<b>\$203.9</b>	<b>(\$0.4)</b>	<b>\$204.4</b>	<b>\$210.3</b>	<b>(\$6.0)</b>

\* minor differences are due to rounding

The change in depreciation is from the removal of the TOU meters from net fixed assets as discussed below under the heading, Removal of TOU Meters for GS>50 kW.

Changes in target net income and interest result from the change in rate base.

## 2017 Cost Allocation

The updated 2017 Cost Allocation Model is attached as Schedule I. The cost allocation results are summarized below in Table III-12.

**Table III-12: 2017 Cost Allocation Results**

Revenue /Expenses Ratio	CA model at "status quo" rates	OEB PROPOSED RANGE		Proposed per DRO
Residential	98.5%	85%	115%	98.6%
GS Less Than 50 kW	106.7%	80%	120%	106.7%
GS 50 to 4,999 kW	98.8%	80%	120%	98.9%
Large Use	82.9%	85%	115%	85.4%
Unmetered Scattered Load	102.3%	80%	120%	102.3%
Sentinel Lighting	83.5%	80%	120%	83.6%
Street Lighting	133.8%	70%	120%	120.0%

The cost allocation results showed that two classes were outside the OEB allowed range: Large Use and Street Lighting. PowerStream calculated the adjustments to bring these two classes within the OEB range, an increase of \$11,412 for Large Use and a reduction of \$264,609 for Street Lighting. This left a net under recovery of \$253,196 which was allocated pro rata, on the basis of the pre-adjustment revenue, to the classes with revenue to cost ratios below 100%. The results are shown in Table III-13 below:

**Table III-13: 2017 Cost Allocation Adjustment**

Customer Class	CA model at "status quo" rates	Re-allocation	Proposed per DRO
Residential	\$110,513,990	\$164,695	\$110,678,685
GS Less Than 50 kW	\$30,938,919		\$30,938,919
GS 50 to 4,999 kW	\$58,974,677	\$87,888	\$59,062,565
GS 50 to 4,999 kW Legacy			\$0
Large Use	\$391,357	\$11,995	\$403,352
Unmetered Scattered Load	\$612,930		\$612,930
Sentinel Lighting	\$20,500	\$31	\$20,530
Street Lighting	\$2,398,285	(\$264,609)	\$2,133,676
<b>Total</b>	<b>\$203,850,657</b>	<b>\$0</b>	<b>\$203,850,657</b>

Detailed cost allocation adjustment schedules are included in Schedule I.

**Other Rates**

Low Voltage charges, Retail Transmission Service Rates and loss factors are unchanged from the Application as updated on August 21, 2015 and the August 15, 2016 Draft Rate Order.

## **IV. Conclusion**

PowerStream has studied the comments received on the DRO and carefully re-examined the OEB's Decision and Order. PowerStream submits that this updated DRO fully complies with the Decision and has implemented all of the changes directed by the Board in its Order and the changes discussed above.

PowerStream respectfully submits its draft Tariff of Rates and Changes, to be effective as of January 1, 2016 and implemented as of October 1, 2016, and for 2017 to be effective and implemented as of January 1, 2017 for the Board's approval.

Dated this 12<sup>th</sup> day of September, 2016

*Original signed by Tom Barrett*

Tom Barrett,  
Manger, Rate Applications  
PowerStream Inc.

**PowerStream Inc.**

**TARIFF OF RATES AND CHARGES**

**EB-2015-0103**

**Effective Date - January 1, 2016**  
**Implementation Date - October 1, 2016**

**PowerStream Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date Effective Date - January 1, 2016**  
**Implementation Date Implementation Date - October 1, 2016**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2015-0103

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall be classified as general 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 Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	13.92
Rate Rider for Recovery of CGAAP/CWIP Differential - effective until December 31, 2016	\$	0.20
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	6.32
Rate Rider for Disposition of Smart Grid True-up Variance Account (2014 balance) - effective until December 31, 2016	\$	(0.17)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2013) - effective until December 31, 2016	\$	(0.39)
Rate Rider for Recovery of Account 1575 - effective until December 31, 2016	\$	(0.82)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0154
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until December 31, 2016	\$/kWh	(0.0026)

## RESIDENTIAL SERVICE CLASSIFICATION

### MONTHLY RATES AND CHARGES - Delivery Component

Retail Transmission Rate - Network Service Rate	\$/kWh	0.0080
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0035

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified in the Residential Service Classification pages of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

### APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

Aboriginal person includes a person who is a First Nations person, a Métis person or an Inuit person;

account-holder means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

electricity-intensive medical device means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

household means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

household income means the combined annual after-tax income of all members of a household aged 16 or over;

### MONTHLY RATES AND CHARGES

#### Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more but does not include account-holders in Class E.

OESP Credit \$ (30.00)

#### Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
  - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
- but does not include account-holders in Class F.

OESP Credit \$ (34.00)

#### Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more but does not include account-holders in Class G.

OESP Credit \$ (38.00)

## ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

### Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons;
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
- but does not include account-holders in Class H.

OESP Credit \$ (42.00)

### Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

### Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

### Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

### Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

### Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non residential account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	28.75
Rate Rider for Recovery of CGAAP/CWIP Differential - in effect until December 31, 2016	\$	0.55
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	7.55
Rate Rider for Disposition of Smart Grid True-up Variance Account (2014 balance) - effective until December 31, 2016	\$	(0.67)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0153
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$/kWh	0.0040
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until December 31, 2016	\$/kWh	(0.0026)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until December 31, 2016	\$/kWh	0.0002
Rate Rider for Recovery of Account 1575 - effective until December 31, 2016	\$/kWh	(0.0012)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0030

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

This classification refers to a non residential account whose monthly average peak demand is equal to or greater than, or

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	138.48
Rate Rider for Recovery of CGAAP/CWIP Differential - in effect until December 31, 2016	\$	6.99
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	-2.13
Rate Rider for Disposition of Smart Grid True-up Variance Account (2014 balance) - effective until September 30, 2017	\$	-4.81
Distribution Volumetric Rate	\$/kW	3.7199
Low Voltage Service Rate	\$/kW	0.1189
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$/kW	1.1617
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until September 30, 2017	\$/kW	(0.0196)
Rate Rider for Disposition of Global Adjustment Sub-Account (2016) - effective until September 30, 2017 Applicable only for Non-RPP Customers	\$/kW	0.8637
Rate Rider for Disposition of Deferral/Variance Account (2016) - effective until September 30, 2017	\$/kW	0.2338
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until September 30, 2017	\$/kW	(0.2449)
Rate Rider for Disposition of Deferral/Variance Accounts - Group 2 (2016) - effective until September 30, 2017	\$/kW	0.1273
Rate Rider for Recovery of Account 1575 - effective until September 30, 2017	\$/kW	(0.1105)
Retail Transmission Rate - Network Service Rate	\$/kW	2.9192
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.1726
Retail Transmission Rate - Network Service Rate - Interval-Metered	\$/kW	3.0601
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval-Metered	\$/kW	1.2687

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5,758.58
Rate Rider for Recovery of CGAAP/CWIP Differential - in effect until December 31, 2016	\$	104.59
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	-715.92
Rate Rider for Disposition of Smart Grid True-up Variance Account (2014 balance) - effective until December 31, 2016	\$	-798.45
Distribution Volumetric Rate	\$/kW	1.9666
Low Voltage Service Rate	\$/kW	0.1437
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$/kW	1.6171
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until December 31, 2016	\$/kW	(0.1424)
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until December 31, 2016	\$/kW	(1.3273)
Rate Rider for Recovery of Account 1575 - effective until December 31, 2016	\$/kW	(0.5987)
Retail Transmission Rate - Network Service Rate	\$/kW	3.4638
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2027

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up service. Further servicing details are available in the utility's Conditions of Service.

### APPLICATION

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of the generation facility).

\$/kW

2.8081

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose average monthly peak 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 customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.73
Rate Rider for Recovery of CGAAP/CWIP Differential - in effect until December 31, 2016	\$	0.11
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	2.02
Rate Rider for Recovery of Smart Grid True-up Variance Account (2014 balance) - effective until December 31, 2016	\$	(0.10)
Distribution Volumetric Rate	\$/kWh	0.0175
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$/kWh	0.0044
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until December 31, 2016	\$/kWh	(0.0010)
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until December 31, 2016	\$/kWh	(0.0026)
Rate Rider for Recovery of Account 1575 - effective until December 31, 2016	\$/kWh	(0.0012)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0034

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	3.76
Rate Rider for Recovery of CGAAP/CWIP Differential - in effect until December 31, 2016	\$	0.09
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	1.00
Rate Rider for Disposition of Smart Grid True-up Variance Account (2014 balance) - effective until December 31, 2016	\$	(0.04)
Distribution Volumetric Rate	\$/kW	8.8369
Low Voltage Service Rate	\$/kW	0.1031
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$/kW	2.2822
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until December 31, 2016	\$/kW	(0.6712)
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until December 31, 2016	\$/kW	(1.0139)
Rate Rider for Recovery of Account 1575 - effective until December 31, 2016	\$/kW	(0.4574)
Retail Transmission Rate - Network Service Rate	\$/kW	2.2561
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.8629

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## 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 operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.20
Rate Rider for Recovery of CGAAP/CWIP Differential - in effect until December 31, 2016	\$	0.02
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$	(0.21)
Distribution Volumetric Rate	\$/kW	6.3400
Low Voltage Service Rate	\$/kW	0.0917
Rate Rider for Foregone Revenue (2016) - effective until December 31, 2016	\$/kW	(0.7930)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until December 31, 2016	\$/kW	(0.5821)
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until December 31, 2016	\$/kW	(0.9354)
Rate Rider for Recovery of Account 1575 - effective until December 31, 2016	\$/kW	(0.4220)
Retail Transmission Rate - Network Service Rate	\$/kW	2.2203
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9503

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## microFIT GENERATOR SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - 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 and energy	%	(1.00)

## SPECIFIC SERVICE CHARGES

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Order of the Board, and amendments thereto as approved by the Board, which may be administration of this schedule

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

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

Customer Administration		
Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Duplicate Invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income Tax Letter	\$	15.00
Account History	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
 Non-Payment of Account		
Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter - during regular hours (for non-payment)	\$	65.00
Disconnect/Reconnect at meter - after regular hours (for non-payment)	\$	185.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect at pole – after regular hours	\$	415.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35
Temporary Service – Install & remove – overhead – no transformer	\$	500.00

## RETAIL SERVICE CHARGES (if applicable)

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

No rates and charges for the distribution of electricity and charges to meet the costs of any furnished for the purpose of the distribution of electricity shall be made except as permitted required by the Distributor's Licence or a Code or Order of the Board, and amendments Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity 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 invoiced by a distributor and that are not subject to Board approval, such as the Debt Adjustment, the Ontario Clean Energy Benefit and the HST.

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

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

## LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0345
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0243
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045

**PowerStream Inc.**

**TARIFF OF RATES AND CHARGES**

**EB-2015-0103**

**Effective Date - January 1, 2017**

**PowerStream Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date Effective Date - January 1, 2017**  
**Implementation Date**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2015-0103

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall be classified as general 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 Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	18.89
Rate Rider for Recovery of Stranded Meter Assets (2016) - effective until December 31, 2018	\$	0.06
Rate Rider for Disposition of Deferral/Variance Accounts - Group 2 (2016)		
- effective until December 31, 2018	\$	0.12
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0132
Low Voltage Service Rate	\$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Sub-Account (2016) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0012
Rate Rider for Disposition of Deferral/Variance Account (2016) - effective until December 31, 2018	\$/kWh	0.0003

## RESIDENTIAL SERVICE CLASSIFICATION

### MONTHLY RATES AND CHARGES - Delivery Component

Retail Transmission Rate - Network Service Rate	\$/kWh	0.0082
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0038

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified in the Residential Service Classification pages of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

### APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

Aboriginal person includes a person who is a First Nations person, a Métis person or an Inuit person;

account-holder means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

electricity-intensive medical device means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

household means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

household income means the combined annual after-tax income of all members of a household aged 16 or over;

### MONTHLY RATES AND CHARGES

#### Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more but does not include account-holders in Class E.

OESP Credit	\$	(30.00)
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#### Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
  - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
- but does not include account-holders in Class F.

OESP Credit	\$	(34.00)
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#### Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more but does not include account-holders in Class G.

OESP Credit	\$	(38.00)
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## ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

### Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons;
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
- but does not include account-holders in Class H.

OESP Credit \$ (42.00)

### Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

### Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

### Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

### Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

### Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non residential account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	29.04
Rate Rider for Recovery of Stranded Meter Assets (2016) - effective until December 31, 2018	\$	0.21
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0189
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Global Adjustment Sub-Account (2016) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0012
Rate Rider for Disposition of Deferral/Variance Account (2016) - effective until December 31, 2018	\$/kWh	0.0003
- effective until December 31, 2018	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0073
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

This classification refers to a non residential account whose monthly average peak demand is equal to or greater than, or

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	138.48
Rate Rider for Disposition of Smart Grid True-up Variance Account (2014 balance) - effective until September 30, 2017	\$	(4.81)
Distribution Volumetric Rate	\$/kW	4.3278
Low Voltage Service Rate	\$/kW	0.1589
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2013 balance) - effective until September 30, 2017	\$/kW	(0.0196)
Rate Rider for Disposition of Global Adjustment Sub-Account (2016) - effective until September 30, 2017 Applicable only for Non-RPP Customers	\$/kW	0.8637
Rate Rider for Disposition of Deferral/Variance Account (2016) - effective until September 30, 2017	\$/kW	0.2338
Rate Rider for Disposition of Deferral/Variance Account - Power (2016) - effective until September 30, 2017	\$/kW	(0.2449)
Rate Rider for Disposition of Deferral/Variance Accounts - Group 2 (2016) - effective until September 30, 2017	\$/kW	0.1273
Rate Rider for Recovery of Account 1575 - effective until September 30, 2017	\$/kW	(0.1105)
Retail Transmission Rate - Network Service Rate	\$/kW	2.9268
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2618
Retail Transmission Rate - Network Service Rate - Interval-Metered	\$/kW	3.0681
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval-Metered	\$/kW	1.3652

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5,369.68
Distribution Volumetric Rate	\$/kW	2.4338
Low Voltage Service Rate	\$/kW	0.1630
Retail Transmission Rate - Network Service Rate	\$/kW	3.5361
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.3178

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up service. Further servicing details are available in the utility's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of the generation facility).

\$/kW

2.8081

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose average monthly peak 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 customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	8.83
Distribution Volumetric Rate	\$/kWh	0.0200
Low Voltage Service Rate	\$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Sub-Account (2016) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0012
Rate Rider for Disposition of Deferral/Variance Account (2016) - effective until December 31, 2018	\$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Accounts - Group 2 (2016)		
- effective until December 31, 2018	\$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0035

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.30
Distribution Volumetric Rate	\$/kW	10.1037
Low Voltage Service Rate	\$/kW	0.1170
Rate Rider for Disposition of Global Adjustment Sub-Account (2016) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kW	0.4470
Rate Rider for Disposition of Deferral/Variance Account (2016) - effective until December 31, 2018	\$/kW	0.1210
Rate Rider for Disposition of Deferral/Variance Accounts - Group 2 (2016)		
- effective until December 31, 2018	\$/kW	0.0659
Retail Transmission Rate - Network Service Rate	\$/kW	2.2743
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9336

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## 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 operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.22
Distribution Volumetric Rate	\$/kW	6.4316
Low Voltage Service Rate	\$/kW	0.1288
Retail Transmission Rate - Network Service Rate	\$/kW	2.9431
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.3520

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## microFIT GENERATOR SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - 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 and energy	%	(1.00)

## SPECIFIC SERVICE CHARGES

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Order of the Board, and amendments thereto as approved by the Board, which may be administration of this schedule

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

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

Customer Administration		
Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Duplicate Invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement Letter	\$	15.00
Income Tax Letter	\$	15.00
Account History	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
 Non-Payment of Account		
Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter - during regular hours (for non-payment)	\$	65.00
Disconnect/Reconnect at meter - after regular hours (for non-payment)	\$	185.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect at pole – after regular hours	\$	415.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35
Temporary Service – Install & remove – overhead – no transformer	\$	500.00

## RETAIL SERVICE CHARGES (if applicable)

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

No rates and charges for the distribution of electricity and charges to meet the costs of any furnished for the purpose of the distribution of electricity shall be made except as permitted required by the Distributor's Licence or a Code or Order of the Board, and amendments Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity 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 invoiced by a distributor and that are not subject to Board approval, such as the Debt Adjustment, the Ontario Clean Energy Benefit and the HST.

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

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

## LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0369
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0243
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045

Customer Class	Billing Determinant	Consumption per Customer (kWh)	Load per Customer (kW)	Distribution Component	
				2016	2017
				Residential	kWh
GS<50 kW	kWh	2,000		20.1%	1.6%
GS>50 kW	kW	80,000	250	61.0%	(8.3%)
Large Use	kW	2,800,000	7,350	75.5%	(20.9%)
Unmetered Scattered Load	kWh	150		28.8%	(3.2%)
Sentinel Lights	kW	180		18.9%	5.9%
Street Lighting	kW	280		7.2%	(9.4%)
<b>Average</b>				<b>32.9%</b>	<b>(4.5%)</b>

Customer Class	Billing Determinant	Consumption per Customer (kWh)	Load per Customer (kW)	Total Bill	
				2016	2017
				Residential	kWh
GS<50 kW	kWh	2,000		3.8%	0.6%
GS>50 kW	kW	80,000	250	4.9%	(0.7%)
Large Use	kW	2,800,000	7,350	3.2%	(1.0%)
Unmetered Scattered Load	kWh	150		9.0%	(1.1%)
Sentinel Lights	kW	180		5.8%	2.4%
Street Lighting	kW	280		1.2%	0.8%
<b>Average</b>				<b>4.6%</b>	<b>0.3%</b>



1380  
5520

**Appendix 2-W  
 Bill Impacts - Residential**

Customer Class: **RESIDENTIAL**

TOU / non-TOU: **TOU**

Consumption **750**

	Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016	
			Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	1	\$ 12.67	\$ 12.67	\$ 13.92	\$ 13.92	\$ 1.25	9.9%	\$ 18.89	\$ 18.89	\$ 4.97	35.7%
Smart Meter Rate Adder	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Recovery of CGAAP/CWIP Differential	Monthly	1	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ -	0.0%	\$ -	\$ -	\$ (0.20)	-100.0%
ICM Rate Rider (2014)	Monthly	1	\$ 0.07	\$ 0.07	\$ -	\$ -	\$ (0.07)	-100.0%	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider (2016)	Monthly	1	\$ -	\$ -	\$ 6.32	\$ 6.32	\$ 6.32	-	\$ -	\$ -	\$ (6.32)	-100.0%
	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Distribution Volumetric Rate	per kWh	750	\$ 0.0140	\$ 10.50	\$ 0.0154	\$ 11.55	\$ 1.05	10.0%	\$ 0.0132	\$ 9.90	\$ (1.65)	-14.3%
Smart Meter Disposition Rider	per kWh	750	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
LRAM & SSM Rate Rider	per kWh	750	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
ICM Rate Rider (2014)	per kWh	750	\$ 0.0001	\$ 0.08	\$ -	\$ -	\$ (0.08)	-100.0%	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.12	\$ 0.12	\$ 0.12	-
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	Monthly	1	\$ -	\$ -	\$ 0.39	\$ (0.39)	\$ (0.39)	-	\$ -	\$ -	\$ 0.39	-100.0%
Account 1575 (2016)	Monthly	1	\$ -	\$ -	\$ 0.82	\$ (0.82)	\$ (0.82)	-	\$ -	\$ -	\$ 0.82	-100.0%
Smart Grid True-up (2016)	Monthly	1	\$ -	\$ -	\$ 0.17	\$ (0.17)	\$ (0.17)	-	\$ -	\$ -	\$ 0.17	-100.0%
Recovery of Stranded Meter Assets (2016)	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.06	\$ 0.06	\$ 0.06	-
	per kWh	750	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>				\$ 23.52		\$ 30.61	\$ 7.10	30.2%		\$ 28.97	\$ (1.64)	-5.4%
Disposition of Deferral/Variance Accounts (2016)	per kWh	750	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.0003	\$ 0.23	\$ 0.23	-
Disposition of Deferral/Variance Accounts - Power (2016)	per kWh	750	\$ -	\$ -	\$ 0.0026	\$ (1.95)	\$ (1.95)	-	\$ -	\$ -	\$ 1.95	-100.0%
	per kWh	750	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Low Voltage Service Charge	per kWh	750	\$ 0.0003	\$ 0.23	\$ 0.0003	\$ 0.23	\$ -	0.0%	\$ 0.0005	\$ 0.38	\$ 0.15	66.7%
Line Losses on Cost of Power		25.88	\$ 0.1118	\$ 2.89	\$ 0.1118	\$ 2.89	\$ -	0.0%	\$ 0.1118	\$ 3.10	\$ 0.20	7.0%
Smart Meter Entitlement Charge	Monthly	1	\$ 0.79	\$ 0.79	\$ 0.79	\$ 0.79	\$ -	-	\$ 0.79	\$ 0.79	\$ -	0.0%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 27.42		\$ 32.57	\$ 5.15	18.8%		\$ 33.46	\$ 0.89	2.7%
RTSR - Network	per kWh	776	\$ 0.0080	\$ 6.21	\$ 0.0080	\$ 6.21	\$ -	0.0%	\$ 0.0082	\$ 6.38	\$ 0.17	2.7%
RTSR - Line and Transformation Connection	per kWh	776	\$ 0.0035	\$ 2.72	\$ 0.0035	\$ 2.72	\$ -	0.0%	\$ 0.0038	\$ 2.96	\$ 0.24	8.8%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 36.35		\$ 41.49	\$ 5.15	14.2%		\$ 42.79	\$ 1.30	3.1%
Wholesale Market Service Charge (WMSC)	per kWh	776	\$ 0.0036	\$ 2.79	\$ 0.0036	\$ 2.79	\$ -	0.0%	\$ 0.0036	\$ 2.80	\$ 0.01	0.2%
Rural and Remote Rate Protection (RRRP)	per kWh	776	\$ 0.0013	\$ 1.01	\$ 0.0013	\$ 1.01	\$ -	0.0%	\$ 0.0013	\$ 1.01	\$ 0.00	0.2%
Standard Supply Service Charge	Monthly	1	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ -	0.0%	\$ 0.25	\$ 0.25	\$ -	0.0%
Debt Retirement Charge (DRC)	per kWh	750	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
TOU - Off Peak	per kWh	480	\$ 0.0870	\$ 41.76	\$ 0.0870	\$ 41.76	\$ -	0.0%	\$ 0.0870	\$ 41.76	\$ -	0.0%
TOU - Mid Peak	per kWh	135	\$ 0.1320	\$ 17.82	\$ 0.1320	\$ 17.82	\$ -	0.0%	\$ 0.1320	\$ 17.82	\$ -	0.0%
TOU - On Peak	per kWh	135	\$ 0.1800	\$ 24.30	\$ 0.1800	\$ 24.30	\$ -	0.0%	\$ 0.1800	\$ 24.30	\$ -	0.0%
OESP Charge	per kWh	750	\$ 0.0011	\$ 0.83	\$ 0.0011	\$ 0.83	\$ -	0.0%	\$ 0.0011	\$ 0.83	\$ -	0.0%
				\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Total Bill on TOU (before Taxes)</b>				\$ 125.10		\$ 130.25	\$ 5.15	4.1%		\$ 131.55	\$ 1.30	1.0%
HST			13%	\$ 16.26	13%	\$ 16.93	\$ 0.67	4.1%	13%	\$ 17.10	\$ 0.17	1.0%
<b>Total Bill (including HST)</b>				\$ 141.37		\$ 147.18	\$ 5.81	4.1%		\$ 148.65	\$ 1.47	1.0%
Ontario Clean Energy Benefit <sup>1</sup>			0%	\$ -		\$ -	\$ -	-		\$ -	\$ -	-
<b>Total Bill on TOU (including OCEB)</b>				\$ 141.37		\$ 147.18	\$ 5.81	4.1%		\$ 148.65	\$ 1.47	1.0%

Loss Factor (%) **3.45%** **3.45%** **3.69%**



**Appendix 2-W  
 Bill Impacts - GS<50**

Customer Class: **GS<50**

TOU / non-TOU: **TOU**

Consumption **2,000**

	Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016	
			Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	1	\$ 26.08	\$ 26.08	\$ 28.75	\$ 28.75	\$ 2.67	10.2%	\$ 29.04	\$ 29.04	\$ 0.29	1.0%
Smart Meter Rate Adder	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Recovery of CGAAP/CWIP Differential	Monthly	1	\$ 0.55	\$ 0.55	\$ 0.55	\$ 0.55	\$ -	0.0%	\$ -	\$ -	\$ (0.55)	-100.0%
ICM Rate Rider (2014)	Monthly	1	\$ 0.14	\$ 0.14	\$ -	\$ -	\$ (0.14)	-100.0%	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Fixed Component (2016)	Monthly	1	\$ -	\$ -	\$ 7.55	\$ 7.55	\$ 7.55	-	\$ -	\$ -	\$ (7.55)	-100.0%
Distribution Volumetric Rate	per kWh	2,000	\$ 0.0139	\$ 27.80	\$ 0.0153	\$ 30.60	\$ 2.80	10.1%	\$ 0.0189	\$ 37.80	\$ 7.20	23.5%
Smart Meter Disposition Rider	per kWh	2,000	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Variable Component (2016)	per kWh	2,000	\$ -	\$ -	\$ 0.0040	\$ 8.00	\$ 8.00	-	\$ -	\$ -	\$ (8.00)	-100.0%
ICM Rate Rider (2014)	per kWh	2,000	\$ 0.0001	\$ 0.20	\$ -	\$ -	\$ (0.20)	-100.0%	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	per kWh	2,000	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.0002	\$ 0.40	\$ 0.40	-
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	per kWh	2,000	\$ -	\$ -	\$ 0.0002	\$ 0.40	\$ 0.40	-	\$ -	\$ -	\$ (0.40)	-100.0%
Account 1575 (2016)	per kWh	2,000	\$ -	\$ -	\$ 0.0012	\$ (2.40)	\$ (2.40)	-	\$ -	\$ -	\$ 2.40	-100.0%
Smart Grid True-up (2016)	Monthly	1	\$ -	\$ -	\$ 0.67	\$ (0.67)	\$ (0.67)	-	\$ -	\$ -	\$ 0.67	-100.0%
Recovery of Stranded Meter Assets (2016)	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.21	\$ 0.21	\$ -	-
	per kWh	2,000	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>				\$ 54.77		\$ 72.78	\$ 18.01	32.9%		\$ 67.45	\$ (5.33)	-7.3%
Disposition of Deferral/Variance Accounts (2016)	per kWh	2,000	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.0003	\$ 0.60	\$ 0.60	-
Disposition of Deferral/Variance Accounts - Power (2016)	per kWh	2,000	\$ -	\$ -	\$ 0.0026	\$ (5.20)	\$ (5.20)	-	\$ -	\$ -	\$ 5.20	-100.0%
Low Voltage Service Charge	per kWh	2,000	\$ 0.0003	\$ 0.60	\$ 0.0003	\$ 0.60	\$ -	0.0%	\$ 0.0004	\$ 0.80	\$ 0.20	33.3%
Line Losses on Cost of Power		69.00	\$ 0.1118	\$ 7.72	\$ 0.1118	\$ 7.72	\$ -	0.0%	\$ 0.1118	\$ 8.25	\$ 0.54	7.0%
Smart Meter Entitlement Charge	Monthly	1	\$ 0.7900	\$ 0.79	\$ 0.7900	\$ 0.79	\$ -	-	\$ 0.7900	\$ 0.79	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 63.88		\$ 76.69	\$ 12.81	20.1%		\$ 77.89	\$ 1.20	1.6%
RTSR - Network	per kWh	2,069	\$ 0.0072	\$ 14.90	\$ 0.0072	\$ 14.90	\$ -	0.0%	\$ 0.0073	\$ 15.14	\$ 0.24	1.6%
RTSR - Line and Transformation Connection	per kWh	2,069	\$ 0.0030	\$ 6.21	\$ 0.0030	\$ 6.21	\$ -	0.0%	\$ 0.0033	\$ 6.84	\$ 0.64	10.3%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 84.98		\$ 97.79	\$ 12.81	15.1%		\$ 99.87	\$ 2.08	2.1%
Wholesale Market Service Charge (WMSC)	per kWh	2,069	\$ 0.0036	\$ 7.45	\$ 0.0036	\$ 7.45	\$ -	0.0%	\$ 0.0036	\$ 7.47	\$ 0.02	0.2%
Rural and Remote Rate Protection (RRRP)	per kWh	2,069	\$ 0.0013	\$ 2.69	\$ 0.0013	\$ 2.69	\$ -	0.0%	\$ 0.0013	\$ 2.70	\$ 0.01	0.2%
Standard Supply Service Charge	Monthly	1	\$ 0.25	\$ 0.25	\$ 0.2500	\$ 0.25	\$ -	0.0%	\$ 0.2500	\$ 0.25	\$ -	-
Debt Retirement Charge (DRC)	per kWh	2,000	\$ 0.0070	\$ 14.00	\$ 0.0070	\$ 14.00	\$ -	0.0%	\$ 0.0070	\$ 14.00	\$ -	0.0%
TOU - Off Peak	per kWh	1,280	\$ 0.0870	\$ 111.36	\$ 0.0870	\$ 111.36	\$ -	0.0%	\$ 0.0870	\$ 111.36	\$ -	0.0%
TOU - Mid Peak	per kWh	360	\$ 0.1320	\$ 47.52	\$ 0.1320	\$ 47.52	\$ -	0.0%	\$ 0.1320	\$ 47.52	\$ -	0.0%
TOU - On Peak	per kWh	360	\$ 0.1800	\$ 64.80	\$ 0.1800	\$ 64.80	\$ -	0.0%	\$ 0.1800	\$ 64.80	\$ -	0.0%
OESP Charge	per kWh	2,000	\$ 0.0011	\$ 2.20	\$ 0.0011	\$ 2.20	\$ -	0.0%	\$ 0.0011	\$ 2.20	\$ -	0.0%
				\$ -		\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Total Bill on TOU (before Taxes)</b>				\$ 335.25		\$ 348.06	\$ 12.81	3.8%		\$ 350.17	\$ 2.11	0.6%
HST			13%	\$ 43.58	13%	\$ 45.25	\$ 1.67	3.8%	13%	\$ 45.52	\$ 0.27	0.6%
<b>Total Bill (including HST)</b>				\$ 378.83		\$ 393.31	\$ 14.48	3.8%		\$ 395.69	\$ 2.38	0.6%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			0%	\$ -		\$ -	\$ -	-		\$ -	\$ -	-
<b>Total Bill on TOU (including OCEB)</b>				\$ 378.83		\$ 393.31	\$ 14.48	3.8%		\$ 395.69	\$ 2.38	0.6%

Loss Factor (%)

3.45%

3.45%

3.69%



Appendix 2-W  
 Bill Impacts - GS > 50

Customer Class: **GS > 50**

TOU / non-TOU: **TOU**  
 Consumption: **80,000**  
 Load: **250**

	Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016	
			Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	1	\$ 138.48	\$ 138.48	\$ 138.48	\$ 138.48	\$ -	0.0%	\$ 138.48	\$ 138.48	\$ -	0.0%
Smart Meter Rate Adder	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Recovery of CGAAP/CWIP Differential</b>	<b>Monthly</b>	<b>1</b>	<b>\$ 6.99</b>	<b>\$ 6.99</b>	<b>\$ 6.99</b>	<b>\$ 6.99</b>	<b>\$ -</b>	<b>0.0%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (6.99)</b>	<b>-100.0%</b>
<b>ICM Rate Rider (2014)</b>	<b>Monthly</b>	<b>1</b>	<b>\$ 0.72</b>	<b>\$ 0.72</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (0.72)</b>	<b>-100.0%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>
Forgone Revenue Rate Rider - Fixed Component (2016)	Monthly	1	\$ -	\$ -	\$ 2.13	\$ (2.13)	\$ (2.13)	-100.0%	\$ -	\$ -	\$ 2.13	-100.0%
Distribution Volumetric Rate	per kW	250	\$ 3.3278	\$ 831.95	\$ 3.7199	\$ 929.98	\$ 98.03	11.8%	\$ 4.3278	\$ 1,081.95	\$ 151.98	16.3%
Smart Meter Disposition Rider	per kW	250	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Variable Component (2016)	per kW	250	\$ -	\$ -	\$ 1.1617	\$ 290.43	\$ 290.43	-	\$ -	\$ -	\$ (290.43)	-100.0%
<b>ICM Rate Rider (2014)</b>	<b>per kW</b>	<b>250</b>	<b>\$ 0.0173</b>	<b>\$ 4.33</b>	<b>\$ -</b>	<b>\$ (4.33)</b>	<b>\$ -</b>	<b>-100.0%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	per kW	250	\$ -	\$ -	\$ 0.1273	\$ 31.83	\$ 31.83	-	\$ 0.1273	\$ 31.83	\$ -	0.0%
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	per kW	250	\$ -	\$ -	\$ 0.0196	\$ (4.90)	\$ (4.90)	-	\$ 0.0196	\$ (4.90)	\$ -	0.0%
Account 1575 (2016)	per kW	250	\$ -	\$ -	\$ 0.1105	\$ (27.63)	\$ (27.63)	-	\$ 0.1105	\$ (27.63)	\$ -	0.0%
Smart Grid True-up (2016)	Monthly	1	\$ -	\$ -	\$ 4.81	\$ (4.81)	\$ (4.81)	-	\$ 4.8100	\$ (4.81)	\$ -	0.0%
	per kW	250	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>				\$ 982.47		\$ 1,358.23	\$ 375.77	38.2%		\$ 1,214.92	\$ (143.31)	-10.6%
Disposition of Deferral/Variance Accounts (2016)	per kW	250	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Power (2016)	per kW	250	\$ -	\$ -	\$ 0.2338	\$ 58.45	\$ 58.45	-	\$ 0.2338	\$ 58.45	\$ -	0.0%
Disposition of Deferral/Variance Accounts - Power - Global Adjustment (2016)	per kW	250	\$ -	\$ -	\$ 0.2449	\$ (61.23)	\$ (61.23)	-	\$ 0.2449	\$ (61.23)	\$ -	0.0%
Disposition of Global Adjustment Sub-Account (2014)	per kW	250	\$ -	\$ (18.00)	\$ -	\$ -	\$ 18.00	-	\$ -	\$ -	\$ -	-
Low Voltage Service Charge	per kW	250	\$ 0.1189	\$ 29.73	\$ 0.1189	\$ 29.73	\$ -	0.0%	\$ 0.1589	\$ 39.73	\$ 10.00	33.6%
Line Losses on Cost of Power		2,760.00	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 994.19		\$ 1,601.11	\$ 606.92	61.0%		\$ 1,467.80	\$ (133.31)	-8.3%
RTSR - Network	per kW	250	\$ 2.9192	\$ 729.80	\$ 2.9192	\$ 729.80	\$ -	0.0%	\$ 2.9268	\$ 731.70	\$ 1.90	0.3%
RTSR - Line and Transformation Connection	per kW	250	\$ 1.1726	\$ 293.15	\$ 1.1726	\$ 293.15	\$ -	0.0%	\$ 1.2618	\$ 315.45	\$ 22.30	7.6%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 2,017.14		\$ 2,624.06	\$ 606.92	30.1%		\$ 2,514.95	\$ (109.11)	-4.2%
Wholesale Market Service Charge (WMSC)	per kWh	82,760	\$ 0.0036	\$ 297.94	\$ 0.0036	\$ 297.94	\$ -	0.0%	\$ 0.0036	\$ 298.63	\$ 0.69	0.2%
Rural and Remote Rate Protection (RRRP)	per kWh	82,760	\$ 0.0013	\$ 107.59	\$ 0.0013	\$ 107.59	\$ -	0.0%	\$ 0.0013	\$ 107.84	\$ 0.25	0.2%
Standard Supply Service Charge	Monthly	1	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ -	0.0%	\$ 0.2500	\$ 0.25	\$ -	0.0%
Debt Retirement Charge (DRC)	per kWh	80,000	\$ 0.0070	\$ 560.00	\$ 0.0070	\$ 560.00	\$ -	0.0%	\$ 0.0070	\$ 560.00	\$ -	0.0%
TOU - Off Peak	per kWh	52,966	\$ 0.0870	\$ 4,608.08	\$ 0.0870	\$ 4,608.08	\$ -	0.0%	\$ 0.0870	\$ 4,618.77	\$ 10.69	0.2%
TOU - Mid Peak	per kWh	14,897	\$ 0.1320	\$ 1,966.38	\$ 0.1320	\$ 1,966.38	\$ -	0.0%	\$ 0.1320	\$ 1,970.94	\$ 4.56	0.2%
TOU - On Peak	per kWh	14,897	\$ 0.1800	\$ 2,681.42	\$ 0.1800	\$ 2,681.42	\$ -	0.0%	\$ 0.1800	\$ 2,687.64	\$ 6.22	0.2%
OESP Charge	per kWh	80,000	\$ 0.0011	\$ 88.00	\$ 0.0011	\$ 88.00	\$ -	0.0%	\$ 0.0011	\$ 88.00	\$ -	0.0%
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Total Bill on TOU (before Taxes)</b>				\$ 12,326.79		\$ 12,933.71	\$ 606.92	4.9%		\$ 12,847.01	\$ (86.70)	-0.7%
HST			13%	\$ 1,602.48	13%	\$ 1,681.38	\$ 78.90	4.9%	13%	\$ 1,670.11	\$ (11.27)	-0.7%
<b>Total Bill (including HST)</b>				\$ 13,929.28		\$ 14,615.09	\$ 685.81	4.9%		\$ 14,517.12	\$ (97.97)	-0.7%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>				\$ -		\$ -	\$ -	-		\$ -	\$ -	-
<b>Total Bill on TOU (including OCEB)</b>				\$ 13,929.28		\$ 14,615.09	\$ 685.81	4.9%		\$ 14,517.12	\$ (97.97)	-0.7%

Loss Factor (%) 3.45% 3.45% 3.69%



Appendix 2-W  
 Bill Impacts - Large User

Customer Class: **Large User**

TOU / non-TOU:	TOU
Consumption	2,800,000
Load	7,350

Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016		
		Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change	
Monthly Service Charge	1	\$ 5,966.29	\$ 5,966.29	\$ 5,758.58	\$ 5,758.58	\$ (207.71)	-3.5%	\$ 5,369.68	\$ 5,369.68	\$ (388.90)	-6.8%	
Smart Meter Rate Adder	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	
Recovery of CGAAP/CWIP Differential	1	\$ 104.59	\$ 104.59	\$ 104.59	\$ 104.59	\$ -	0.0%	\$ -	\$ -	\$ (104.59)	-100.0%	
ICM Rate Rider (2014)	1	\$ 30.93	\$ 30.93	\$ -	\$ -	\$ (30.93)	-100.0%	\$ -	\$ -	\$ -	-	
Forgone Revenue Rate Rider - Fixed Component (2016)	1	\$ -	\$ -	\$ 715.92	\$ (715.92)	\$ (715.92)	-	\$ -	\$ -	\$ 715.92	-100.0%	
Distribution Volumetric Rate	per kW	7,350	\$ 1,415.9	\$ 10,406.87	\$ 1,966.6	\$ 14,454.51	\$ 4,047.65	38.9%	\$ 2,433.8	\$ 17,888.43	\$ 3,433.92	23.8%
Smart Meter Disposition Rider	per kW	7,350	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	
Forgone Revenue Rate Rider - Variable Component (2016)	per kW	7,350	\$ -	\$ -	\$ 1,617.1	\$ 11,885.69	\$ 11,885.69	-	\$ -	\$ -	\$ (11,885.69)	-100.0%
ICM Rate Rider (2014)	per kW	7,350	\$ 0.0073	\$ 53.66	\$ -	\$ -	\$ (53.66)	-100.0%	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	per kW	7,350	\$ -	\$ -	\$ 0.6900	\$ 5,071.50	\$ 5,071.50	-	\$ -	\$ -	\$ (5,071.50)	-100.0%
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	per kW	7,350	\$ -	\$ -	\$ 0.1424	\$ (1,046.64)	\$ (1,046.64)	-	\$ -	\$ -	\$ 1,046.64	-100.0%
Account 1575 (2016)	per kW	7,350	\$ -	\$ -	\$ 0.5987	\$ (4,400.45)	\$ (4,400.45)	-	\$ -	\$ -	\$ 4,400.45	-100.0%
Smart Grid True-up (2016)	Monthly	1	\$ -	\$ -	\$ 798.45	\$ (798.45)	\$ (798.45)	-	\$ -	\$ -	\$ 798.45	-100.0%
<b>Sub-Total A (excluding pass through)</b>			\$ 16,562.33	\$ 30,313.41	\$ 13,751.08	83.0%	\$ 23,258.11	\$ (7,055.30)	-23.3%			
Disposition of Deferral/Variance Accounts (2016)	per kW	7,350	\$ -	\$ -	\$ 1.2673	\$ 9,314.66	\$ 9,314.66	-	\$ -	\$ -	\$ (9,314.66)	-100.0%
Disposition of Deferral/Variance Accounts - Power (2016)	per kW	7,350	\$ -	\$ -	\$ 1.3273	\$ (9,755.66)	\$ (9,755.66)	-	\$ -	\$ -	\$ 9,755.66	-100.0%
Disposition of Deferral/Variance Accounts - Power - Global Adjustment (2016)	per kW	7,350	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	
Low Voltage Service Charge	per kW	7,350	\$ 0.1437	\$ 1,056.20	\$ 0.1437	\$ 1,056.20	0.0%	\$ 0.1630	\$ 1,198.05	\$ 141.86	13.4%	
Line Losses on Cost of Power	96,600	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 17,618.53	\$ 30,928.61	\$ 13,310.08	75.5%	\$ 24,456.16	\$ (6,472.45)	-20.9%			
RTSR - Network	per kW	7350	\$ 3.4638	\$ 25,458.93	\$ 3.4638	\$ 25,458.93	0.0%	\$ 3.5361	\$ 25,990.34	\$ 531.40	2.1%	
RTSR - Line and Transformation Connection	per kW	7350	\$ 1.2027	\$ 8,839.85	\$ 1.2027	\$ 8,839.85	0.0%	\$ 1.3178	\$ 9,685.83	\$ 845.98	9.6%	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 51,917.30	\$ 65,227.38	\$ 13,310.08	25.6%	\$ 60,132.33	\$ (5,095.06)	-7.8%			
Wholesale Market Service Charge (WMSC)	per kWh	2,896,600	\$ 0.0036	\$ 10,427.76	\$ 0.0036	\$ 10,427.76	0.0%	\$ 0.0036	\$ 10,451.95	\$ 24.19	0.2%	
Rural and Remote Rate Protection (RRRP)	per kWh	2,896,600	\$ 0.0013	\$ 3,765.58	\$ 0.0013	\$ 3,765.58	0.0%	\$ 0.0013	\$ 3,774.32	\$ 8.74	0.2%	
Standard Supply Service Charge	Monthly	1	\$ 0.25	\$ 0.25	\$ 0.2500	\$ 0.25	0.0%	\$ 0.2500	\$ 0.25	\$ -	0.0%	
Debt Retirement Charge (DRC)	per kWh	2,800,000	\$ 0.0070	\$ 19,600.00	\$ 0.0070	\$ 19,600.00	0.0%	\$ 0.0070	\$ 19,600.00	\$ -	0.0%	
TOU - Off Peak	per kWh	1,853,824	\$ 0.0870	\$ 161,282.69	\$ 0.0870	\$ 161,282.69	0.0%	\$ 0.0870	\$ 161,656.86	\$ 374.17	0.2%	
TOU - Mid Peak	per kWh	521,388	\$ 0.1320	\$ 68,823.22	\$ 0.1320	\$ 68,823.22	0.0%	\$ 0.1320	\$ 68,982.88	\$ 159.67	0.2%	
TOU - On Peak	per kWh	521,388	\$ 0.1800	\$ 93,849.84	\$ 0.1800	\$ 93,849.84	0.0%	\$ 0.1800	\$ 94,067.57	\$ 217.73	0.2%	
OESP Charge	per kWh	2,800,000	\$ 0.0011	\$ 3,080.00	\$ 0.0011	\$ 3,080.00	0.0%	\$ 0.0011	\$ 3,080.00	\$ -	0.0%	
<b>Total Bill on TOU (before Taxes)</b>			\$ 412,746.63	\$ 426,056.71	\$ 13,310.08	3.2%	\$ 421,746.15	\$ (4,310.56)	-1.0%			
HST		13%	\$ 53,657.06	\$ 55,387.37	\$ 1,730.31	3.2%	\$ 54,827.00	\$ (560.37)	-1.0%			
<b>Total Bill (including HST)</b>			\$ 466,403.70	\$ 481,444.09	\$ 15,040.39	3.2%	\$ 476,573.15	\$ (4,870.94)	-1.0%			
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -	\$ -	-	\$ -	\$ -	-			
<b>Total Bill on TOU (including OCEB)</b>			\$ 466,403.70	\$ 481,444.09	\$ 15,040.39	3.2%	\$ 476,573.15	\$ (4,870.94)	-1.0%			

Loss Factor (%) 3.45% 3.45% 3.69%



Appendix 2-W  
 Bill Impacts - Unmetered Scattered Load

Customer Class: **USL**

TOU / non-TOU: **TOU**

Consumption **150**

Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016	
		Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly 1	\$ 7.01	\$ 7.01	\$ 7.73	\$ 7.73	\$ 0.72	10.3%	\$ 8.83	\$ 8.83	\$ 1.10	14.2%
Smart Meter Rate Adder	Monthly 1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Recovery of CGAAP/CWIP Differential	Monthly 1	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ -	0.0%	\$ -	\$ -	\$ (0.11)	-100.0%
ICM Rate Rider (2014)	Monthly 1	\$ 0.04	\$ 0.04	\$ -	\$ -	\$ (0.04)	-100.0%	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Fixed Component (2016)	Monthly 1	\$ -	\$ -	\$ 2.02	\$ 2.02	\$ 2.02	-	\$ -	\$ -	\$ (2.02)	-100.0%
Distribution Volumetric Rate	per kWh 150	\$ 0.0159	\$ 2.39	\$ 0.0175	\$ 2.63	\$ 0.24	10.1%	\$ 0.0200	\$ 3.00	\$ 0.38	14.3%
Smart Meter Disposition Rider	per kWh 150	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Variable Component (2016)	per kWh 150	\$ -	\$ -	\$ 0.0044	\$ 0.66	\$ 0.66	-	\$ -	\$ -	\$ (0.66)	-100.0%
ICM Rate Rider (2014)	per kWh 150	\$ 0.0001	\$ 0.02	\$ -	\$ -	\$ (0.02)	-100.0%	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	per kWh 150	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.0002	\$ 0.03	\$ 0.03	-
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	per kWh 150	\$ -	\$ -	\$ 0.0010	\$ (0.15)	\$ (0.15)	-	\$ -	\$ -	\$ 0.15	-100.0%
Account 1575 (2016)	per kWh 150	\$ -	\$ -	\$ 0.0012	\$ (0.18)	\$ (0.18)	-	\$ -	\$ -	\$ 0.18	-100.0%
Smart Grid True-up (2016)	Monthly 1	\$ -	\$ -	\$ 0.10	\$ (0.10)	\$ (0.10)	-	\$ -	\$ -	\$ 0.10	-100.0%
<b>Sub-Total A (excluding pass through)</b>			\$ 9.56		\$ 12.72	\$ 3.16	33.0%		\$ 11.86	\$ (0.86)	-6.7%
Disposition of Deferral/Variance Accounts (2016)	per kWh 150	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.0003	\$ 0.05	\$ 0.05	-
Disposition of Deferral/Variance Accounts - Power (2016)	per kWh 150	\$ -	\$ -	\$ 0.0026	\$ (0.39)	\$ (0.39)	-	\$ -	\$ -	\$ 0.39	-100.0%
Low Voltage Service Charge	per kWh 150	\$ 0.0003	\$ 0.05	\$ 0.0003	\$ 0.05	\$ -	0.0%	\$ 0.0005	\$ 0.08	\$ 0.03	66.7%
Line Losses on Cost of Power	5.17	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 9.61		\$ 12.37	\$ 2.77	28.8%		\$ 11.98	\$ (0.39)	-3.2%
RTSR - Network	per kWh 155	\$ 0.0072	\$ 1.12	\$ 0.0072	\$ 1.12	\$ -	0.0%	\$ 0.0069	\$ 1.07	\$ (0.04)	-3.9%
RTSR - Line and Transformation Connection	per kWh 155	\$ 0.0034	\$ 0.53	\$ 0.0034	\$ 0.53	\$ -	0.0%	\$ 0.0035	\$ 0.54	\$ 0.02	3.2%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 11.25		\$ 14.01	\$ 2.77	24.6%		\$ 13.60	\$ (0.42)	-3.0%
Wholesale Market Service Charge (WMSC)	per kWh 155	\$ 0.0036	\$ 0.56	\$ 0.0036	\$ 0.56	\$ -	0.0%	\$ 0.0036	\$ 0.56	\$ 0.00	0.2%
Rural and Remote Rate Protection (RRRP)	per kWh 155	\$ 0.0013	\$ 0.20	\$ 0.0013	\$ 0.20	\$ -	0.0%	\$ 0.0013	\$ 0.20	\$ 0.00	0.2%
Standard Supply Service Charge	Monthly 1	\$ 0.25	\$ 0.25	\$ 0.2500	\$ 0.25	\$ -	0.0%	\$ 0.2500	\$ 0.25	\$ -	0.0%
Debt Retirement Charge (DRC)	per kWh 150	\$ 0.0070	\$ 1.05	\$ 0.0070	\$ 1.05	\$ -	0.0%	\$ 0.0070	\$ 1.05	\$ -	0.0%
TOU - Off Peak	per kWh 99	\$ 0.0870	\$ 8.64	\$ 0.0870	\$ 8.64	\$ -	0.0%	\$ 0.0870	\$ 8.66	\$ 0.02	0.2%
TOU - Mid Peak	per kWh 28	\$ 0.1320	\$ 3.69	\$ 0.1320	\$ 3.69	\$ -	0.0%	\$ 0.1320	\$ 3.70	\$ 0.01	0.2%
TOU - On Peak	per kWh 28	\$ 0.1800	\$ 5.03	\$ 0.1800	\$ 5.03	\$ -	0.0%	\$ 0.1800	\$ 5.04	\$ 0.01	0.2%
OESP Charge	per kWh 150	\$ 0.0011	\$ 0.17	\$ 0.0011	\$ 0.17	\$ -	0.0%	\$ 0.0011	\$ 0.17	\$ -	0.0%
<b>Total Bill on TOU (before Taxes)</b>			\$ 30.83		\$ 33.59	\$ 2.77	9.0%		\$ 33.22	\$ (0.38)	-1.1%
HST		13%	\$ 4.01	13%	\$ 4.37	\$ 0.36	9.0%	13%	\$ 4.32	\$ (0.05)	-1.1%
<b>Total Bill (including HST)</b>			\$ 34.84		\$ 37.96	\$ 3.12	9.0%		\$ 37.54	\$ (0.42)	-1.1%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -		\$ -	\$ -	-		\$ -	\$ -	-
<b>Total Bill on TOU (including OCEB)</b>			\$ 34.84		\$ 37.96	\$ 3.12	9.0%		\$ 37.54	\$ (0.42)	-1.1%

Loss Factor (%) **3.45%**

**3.45%**

**3.69%**



Appendix 2-W  
 Bill Impacts - Sentinel Lighting

Customer Class: **Sentinel**

TOU / non-TOU: **TOU**  
 Consumption  
 Load

180
1

	Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016	
			Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	1	\$ 3.41	\$ 3.41	\$ 3.76	\$ 3.76	\$ 0.35	10.3%	\$ 4.30	\$ 4.30	\$ 0.54	14.4%
Smart Meter Rate Adder	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Recovery of CGAAP/CWIP Differential	Monthly	1	\$ 0.09	\$ 0.09	\$ 0.09	\$ 0.09	\$ -	0.0%	\$ -	\$ -	\$ (0.09)	-100.0%
ICM Rate Rider (2014)	Monthly	1	\$ 0.02	\$ 0.02	\$ -	\$ -	\$ (0.02)	-100.0%	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Fixed Component (2016)	Monthly	1	\$ -	\$ -	\$ 1.00	\$ 1.00	\$ 1.00	-	\$ -	\$ -	\$ (1.00)	-100.0%
Distribution Volumetric Rate	per kW	1	\$ 8.0172	\$ 8.02	\$ 8.8369	\$ 8.84	\$ 0.82	10.2%	\$ 10.1037	\$ 10.10	\$ 1.27	14.3%
Smart Meter Disposition Rider	per kW	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Forgone Revenue Rate Rider - Variable Component (2016)	per kW	1	\$ -	\$ -	\$ 2.2822	\$ 2.28	\$ 2.28	-	\$ -	\$ -	\$ (2.28)	-100.0%
ICM Rate Rider (2014)	per kW	1	\$ 0.0416	\$ 0.04	\$ -	\$ -	\$ (0.04)	-100.0%	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	per kW	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ 0.0659	\$ 0.07	\$ 0.07	-
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	per kW	1	\$ -	\$ -	\$ 0.6712	\$ (0.67)	\$ (0.67)	-	\$ -	\$ -	\$ 0.67	-100.0%
Account 1575 (2016)	per kW	1	\$ -	\$ -	\$ 0.4574	\$ (0.46)	\$ (0.46)	-	\$ -	\$ -	\$ 0.46	-100.0%
Smart Grid True-up (2016)	Monthly	1	\$ -	\$ -	\$ 0.04	\$ (0.04)	\$ (0.04)	-	\$ -	\$ -	\$ 0.04	-100.0%
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>				\$ 11.58	\$ 14.80	\$ 3.22	27.8%		\$ 14.47	\$ (0.33)	-2.2%	
Disposition of Deferral/Variance Accounts (2016)	per kW	1	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Disposition of Deferral/Variance Accounts - Power (2016)	per kW	1	\$ -	\$ -	\$ 1.0139	\$ (1.01)	\$ (1.01)	-	\$ 0.1210	\$ 0.12	\$ 0.12	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ 1.01	-100.0%
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Low Voltage Service Charge	per kW	1	\$ 0.1031	\$ 0.10	\$ 0.1031	\$ 0.10	\$ -	0.0%	\$ 0.1170	\$ 0.12	\$ 0.01	13.5%
Line Losses on Cost of Power		6.21	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 11.68	\$ 13.89	\$ 2.21	18.9%		\$ 14.71	\$ 0.82	5.9%	
RTSR - Network	per kW	1	\$ 2.2561	\$ 2.26	\$ 2.2561	\$ 2.26	\$ -	0.0%	\$ 2.2743	\$ 2.27	\$ 0.02	0.8%
RTSR - Line and Transformation Connection	per kW	1	\$ 0.8629	\$ 0.86	\$ 0.8629	\$ 0.86	\$ -	0.0%	\$ 0.9336	\$ 0.93	\$ 0.07	8.2%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 14.80	\$ 17.01	\$ 2.21	14.9%		\$ 17.92	\$ 0.91	5.3%	
Wholesale Market Service Charge (WMSC)	per kWh	186	\$ 0.0036	\$ 0.67	\$ 0.0036	\$ 0.67	\$ -	0.0%	\$ 0.0036	\$ 0.67	\$ 0.00	0.2%
Rural and Remote Rate Protection (RRRP)	per kWh	186	\$ 0.0013	\$ 0.24	\$ 0.0013	\$ 0.24	\$ -	0.0%	\$ 0.0013	\$ 0.24	\$ 0.00	0.2%
Standard Supply Service Charge	Monthly	1	\$ 0.25	\$ 0.25	\$ 0.2500	\$ 0.25	\$ -	0.0%	\$ 0.2500	\$ 0.25	\$ -	0.0%
Debt Retirement Charge (DRC)	per kWh	180	\$ 0.0070	\$ 1.26	\$ 0.0070	\$ 1.26	\$ -	0.0%	\$ 0.0070	\$ 1.26	\$ -	0.0%
TOU - Off Peak	per kWh	119.2	\$ 0.0870	\$ 10.37	\$ 0.0870	\$ 10.37	\$ -	0.0%	\$ 0.0870	\$ 10.39	\$ 0.02	0.2%
TOU - Mid Peak	per kWh	33.5	\$ 0.1320	\$ 4.42	\$ 0.1320	\$ 4.42	\$ -	0.0%	\$ 0.1320	\$ 4.43	\$ 0.01	0.2%
TOU - On Peak	per kWh	33.5	\$ 0.1800	\$ 6.03	\$ 0.1800	\$ 6.03	\$ -	0.0%	\$ 0.1800	\$ 6.05	\$ 0.01	0.2%
OESP Charge	per kWh	180	\$ 0.0011	\$ 0.20	\$ 0.0011	\$ 0.20	\$ -	0.0%	\$ 0.0011	\$ 0.20	\$ -	0.0%
			\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
<b>Total Bill on TOU (before Taxes)</b>				\$ 38.25	\$ 40.45	\$ 2.21	5.8%		\$ 41.41	\$ 0.96	2.4%	
HST			13%	\$ 4.97	\$ 5.26	\$ 0.29	5.8%	13%	\$ 5.38	\$ 0.12	2.4%	
<b>Total Bill (including HST)</b>				\$ 43.22	\$ 45.71	\$ 2.49	5.8%		\$ 46.80	\$ 1.08	2.4%	
Ontario Clean Energy Benefit †				\$ -	\$ -	\$ -	-		\$ -	\$ -	\$ -	-
<b>Total Bill on TOU (including OCEB)</b>				\$ 43.22	\$ 45.71	\$ 2.49	5.8%		\$ 46.80	\$ 1.08	2.4%	

Loss Factor (%)

3.45%
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3.45%
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3.69%
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\$ 1.00



Appendix 2-W  
 Bill Impacts - Street Lighting

Customer Class: S/L

TOU / non-TOU: TOU  
 Consumption: 280  
 Load: 1

	Charge Unit	Volume	2015 Current Board-Approved		2016		Impact 2016 vs. 2015		2017 TEST YEAR		Impact 2017 TEST vs. 2016	
			Rate (\$)	Charge (\$)	Rate (\$)	Charge (\$)	\$ Change	% Change	Rate (\$)	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	1	\$ 1.26	\$ 1.26	\$ 1.20	\$ 1.20	\$ (0.06)	-4.8%	\$ 1.22	\$ 1.22	\$ 0.02	1.7%
Smart Meter Rate Adder	Monthly	1	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	
<b>Recovery of CGAAP/CWIP Differential</b>	<b>Monthly</b>	<b>1</b>	<b>\$ 0.02</b>	<b>\$ 0.02</b>	<b>\$ 0.02</b>	<b>\$ 0.02</b>	<b>\$ -</b>	<b>0.0%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (0.02)</b>	<b>-100.0%</b>
<b>ICM Rate Rider (2014)</b>	<b>Monthly</b>	<b>1</b>	<b>\$ 0.01</b>	<b>\$ 0.01</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (0.01)</b>	<b>-100.0%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
Forgone Revenue Rate Rider - Fixed Component (2016)	Monthly	1	\$ -	\$ -	\$ 0.21	\$ (0.21)	\$ (0.21)		\$ -	\$ -	\$ 0.21	-100.0%
Distribution Volumetric Rate	per kW	1	\$ 6.6546	\$ 6.65	\$ 6.3400	\$ 6.34	\$ (0.31)	-4.7%	\$ 6.4316	\$ 6.43	\$ 0.09	1.4%
Smart Meter Disposition Rider	per kW	1	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	
Forgone Revenue Rate Rider - Variable Component (2016)	per kW	1	\$ -	\$ -	\$ 0.7930	\$ (0.79)	\$ (0.79)		\$ -	\$ -	\$ 0.79	-100.0%
<b>ICM Rate Rider (2014)</b>	<b>per kW</b>	<b>1</b>	<b>\$ 0.0345</b>	<b>\$ 0.03</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (0.03)</b>	<b>-100.0%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
Disposition of Deferral/Variance Accounts - Group 2 Accounts (2016)	per kW	1	\$ -	\$ -	\$ 0.4863	\$ 0.49	\$ 0.49		\$ -	\$ -	\$ (0.49)	-100.0%
Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2016)	per kW	1	\$ -	\$ -	\$ 0.5821	\$ (0.58)	\$ (0.58)		\$ -	\$ -	\$ 0.58	-100.0%
Account 1575 (2016)	per kW	1	\$ -	\$ -	\$ 0.4220	\$ (0.42)	\$ (0.42)		\$ -	\$ -	\$ 0.42	-100.0%
Foregone Revenue/Var	Monthly	1	\$ -	\$ -	\$ 0.7930	\$ (0.79)	\$ (0.79)		\$ -	\$ -	\$ 0.79	-100.0%
Smart Grid True-up (2016)	Monthly	1	\$ -	\$ -	\$ 0.0100	\$ (0.01)	\$ (0.01)		\$ -	\$ -	\$ 0.01	-100.0%
<b>Sub-Total A (excluding pass through)</b>				\$ 7.98	\$ 5.24	\$ (2.74)	-34.4%		\$ 7.65	\$ 2.42	\$ 46.1%	
Disposition of Deferral/Variance Accounts (2016)	per kW	1	\$ -	\$ -	\$ 0.8931	\$ 0.89	\$ 0.89		\$ -	\$ -	\$ (0.89)	-100.0%
Disposition of Deferral/Variance Accounts - Power (2016)	per kW	1	\$ -	\$ -	\$ 0.9354	\$ (0.94)	\$ (0.94)		\$ -	\$ -	\$ 0.94	-100.0%
Disposition of Deferral/Variance Accounts - Power - Global Adjustment (2016)	per kW	1	\$ -	\$ -	\$ 3.2993	\$ 3.30	\$ 3.30		\$ -	\$ -	\$ (3.30)	-100.0%
Disposition of Global Adjustment Sub-Account (2014)	per kW	1	\$ 0.0653	\$ (0.07)	\$ -	\$ -	\$ 0.07	-100.0%	\$ -	\$ -	\$ -	
Low Voltage Service Charge	per kW	1	\$ 0.0917	\$ 0.09	\$ 0.0917	\$ 0.09	\$ -	0.0%	\$ 0.1288	\$ 0.13	\$ 0.04	40.5%
Line Losses on Cost of Power	per kW	9.66	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 8.01	\$ 8.58	\$ 0.58	7.2%		\$ 7.78	\$ (0.80)	\$ -9.4%	
RTSR - Network	per kW	1	\$ 2.2203	\$ 2.22	\$ 2.2203	\$ 2.22	\$ -	0.0%	\$ 2.9431	\$ 2.94	\$ 0.72	32.6%
RTSR - Line and Transformation Connection	per kW	1	\$ 0.9503	\$ 0.95	\$ 0.9503	\$ 0.95	\$ -	0.0%	\$ 1.3520	\$ 1.35	\$ 0.40	42.3%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 11.18	\$ 11.76	\$ 0.58	5.2%		\$ 12.08	\$ 0.32	\$ 2.7%	
Wholesale Market Service Charge (WMSC)	per kWh	289.7	\$ 0.0036	\$ 1.04	\$ 0.0036	\$ 1.04	\$ -	0.0%	\$ 0.0036	\$ 1.05	\$ 0.00	0.2%
Rural and Remote Rate Protection (RRRP)	per kWh	289.7	\$ 0.0013	\$ 0.38	\$ 0.0013	\$ 0.38	\$ -	0.0%	\$ 0.0013	\$ 0.38	\$ 0.00	0.2%
Standard Supply Service Charge	Monthly	1	\$ 0.25	\$ 0.25	\$ 0.2500	\$ 0.25	\$ -	0.0%	\$ 0.2500	\$ 0.25	\$ -	0.0%
Debt Retirement Charge (DRC)	per kWh	280	\$ 0.0070	\$ 1.96	\$ 0.0070	\$ 1.96	\$ -	0.0%	\$ 0.0070	\$ 1.96	\$ -	0.0%
TOU - Off Peak	per kWh	185.4	\$ 0.0870	\$ 16.13	\$ 0.0870	\$ 16.13	\$ -	0.0%	\$ 0.0870	\$ 16.17	\$ 0.04	0.2%
TOU - Mid Peak	per kWh	52.1	\$ 0.1320	\$ 6.88	\$ 0.1320	\$ 6.88	\$ -	0.0%	\$ 0.1320	\$ 6.90	\$ 0.02	0.2%
TOU - On Peak	per kWh	52.1	\$ 0.1800	\$ 9.38	\$ 0.1800	\$ 9.38	\$ -	0.0%	\$ 0.1800	\$ 9.41	\$ 0.02	0.2%
OESP Charge	per kWh	280	\$ 0.0011	\$ 0.31	\$ 0.0011	\$ 0.31	\$ -	0.0%	\$ 0.0011	\$ 0.31	\$ -	0.0%
<b>Total Bill on TOU (before Taxes)</b>				\$ 47.51	\$ 48.09	\$ 0.58	1.2%		\$ 48.49	\$ 0.40	\$ 0.8%	
HST			13%	\$ 6.18	\$ 6.25	\$ 0.08	1.2%	13%	\$ 6.30	\$ 0.05	\$ 0.8%	
<b>Total Bill (including HST)</b>				\$ 53.69	\$ 54.34	\$ 0.65	1.2%		\$ 54.79	\$ 0.45	\$ 0.8%	
<b>Ontario Clean Energy Benefit<sup>1</sup></b>						\$ -				\$ -		
<b>Total Bill on TOU (including OCEB)</b>				\$ 53.69	\$ 54.34	\$ 0.65	1.2%		\$ 54.79	\$ 0.45	\$ 0.8%	

Loss Factor (%) 3.45% 3.45% 3.69%



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	PowerStream Inc.
Service Territory	York Region and Simcoe County
Assigned EB Number	EB-2015-0003
Name and Title	Tom Barrett, Manager, Rates Applications
Phone Number	(905) 532-4640
Email Address	tom.barrett@powerstream.ca

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*While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.*



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

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**Notes:**

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) ***Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.***
- (5) ***Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel***



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

Data Input <sup>(1)</sup>

	Initial Application	(2) Adjustments	Interrogatory Responses	(6) Adjustments	Per Board Decision
<b>1 Rate Base</b>					
Gross Fixed Assets (average)	\$1,126,003,576	\$1,425,000	#####	(\$2,116,382)	\$1,125,312,194
Accumulated Depreciation (average)	(\$205,566,810)	(\$73,667)	(\$205,640,476)	\$124,811	(\$205,515,665)
<b>Allowance for Working Capital:</b>					
Controllable Expenses	\$96,216,191	\$ -	\$ 96,216,191	(\$2,556,656)	\$93,659,535
Cost of Power	\$1,103,217,737	(\$50,156,490)	#####	\$ -	\$1,053,061,247
Working Capital Rate (%)	13.00%	(9)	7.50%	(9)	7.50% (9)
<b>2 Utility Income</b>					
<b>Operating Revenues:</b>					
Distribution Revenue at Current Rates	\$162,444,354	(\$651,831)	\$161,792,522	\$0	\$161,792,522
Distribution Revenue at Proposed Rates	\$191,921,906	(\$4,906,509)	\$187,015,397	(\$9,260,756)	\$177,754,641
<b>Other Revenue:</b>					
Specific Service Charges	\$3,471,316	\$0	\$3,471,316	\$0	\$3,471,316
Late Payment Charges	\$2,038,288	\$0	\$2,038,288	\$0	\$2,038,288
Other Distribution Revenue	\$2,001,095	\$0	\$2,001,095	\$0	\$2,001,095
Other Income and Deductions	\$5,079,905	\$0	\$5,079,905	\$0	\$5,079,905
Total Revenue Offsets	\$12,590,603	(7) \$0	\$12,590,603	\$0	\$12,590,603
<b>Operating Expenses:</b>					
OM+A Expenses	\$94,637,605	\$ -	\$ 94,637,605	(\$1,992,656)	\$92,644,949
Depreciation/Amortization	\$47,223,722	\$147,333	\$ 47,371,055	(\$143,425)	\$47,227,630
Property taxes	\$1,578,586	\$ -	\$ 1,578,586	\$ -	\$1,578,586
Other expenses					
<b>3 Taxes/PILs</b>					
<b>Taxable Income:</b>					
Adjustments required to arrive at taxable income	(\$46,237,243)	(3)	(\$46,287,243)		(\$46,287,243)
<b>Utility Income Taxes and Rates:</b>					
Income taxes (not grossed up)	(\$2,763,674)		(\$3,451,007)		(\$4,824,223)
Income taxes (grossed up)	(\$3,760,101)		(\$4,695,248)		(\$6,563,568)
Federal tax (%)	15.00%		15.00%		15.00%
Provincial tax (%)	11.50%		11.50%		11.50%
Income Tax Credits	(\$1,121,593)		(\$1,121,593)		(\$1,121,593)
<b>4 Capitalization/Cost of Capital</b>					
<b>Capital Structure:</b>					
Long-term debt Capitalization Ratio (%)	56.0%		56.0%		56.0%
Short-term debt Capitalization Ratio (%)	4.0%	(8)	4.0%	(8)	4.0% (8)
Common Equity Capitalization Ratio (%)	40.0%		40.0%		40.0%
Preferred Shares Capitalization Ratio (%)					
	100.0%		100.0%		100.0%
<b>Cost of Capital</b>					
Long-term debt Cost Rate (%)	3.96%		3.96%		3.96%
Short-term debt Cost Rate (%)	2.16%		2.16%		2.16%
Common Equity Cost Rate (%)	9.30%		9.30%		8.03%
Preferred Shares Cost Rate (%)					

## Notes:

**General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)  
Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (2) Net of addbacks and deductions to arrive at taxable income.
- (3) Average of Gross Fixed Assets at beginning and end of the Test Year
- (4) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (5) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (6) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (7) 4.0% unless an Applicant has proposed or been approved for another amount.
- (8) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (9)



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Line No.	Particulars		Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$1,126,003,576	\$1,425,000	\$1,127,428,576	(\$2,116,382)	\$1,125,312,194
2	Accumulated Depreciation (average)	(3)	(\$205,566,810)	(\$73,667)	(\$205,640,476)	\$124,811	(\$205,515,665)
3	Net Fixed Assets (average)	(3)	\$920,436,766	\$1,351,333	\$921,788,099	(\$1,991,570)	\$919,796,529
4	Allowance for Working Capital	(1)	\$155,926,411	(\$69,730,603)	\$86,195,808	(\$191,749)	\$86,004,059
5	<b>Total Rate Base</b>		<u>\$1,076,363,177</u>	<u>(\$68,379,269)</u>	<u>\$1,007,983,907</u>	<u>(\$2,183,320)</u>	<u>\$1,005,800,588</u>

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses		\$96,216,191	\$ -	\$96,216,191	(\$2,556,656)	\$93,659,535
7	Cost of Power		\$1,103,217,737	(\$50,156,490)	\$1,053,061,247	\$ -	\$1,053,061,247
8	Working Capital Base		\$1,199,433,928	(\$50,156,490)	\$1,149,277,438	(\$2,556,656)	\$1,146,720,782
9	Working Capital Rate %	(2)	13.00%	-5.50%	7.50%	0.00%	7.50%
10	Working Capital Allowance		<u>\$155,926,411</u>	<u>(\$69,730,603)</u>	<u>\$86,195,808</u>	<u>(\$191,749)</u>	<u>\$86,004,059</u>

### Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. **The default rate for 2014 cost of service applications is 13%.**  
 (3) Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
<b>Operating Revenues:</b>						
1	Distribution Revenue (at Proposed Rates)	\$191,921,906	(\$4,906,509)	\$187,015,397	(\$9,260,756)	\$177,754,641
2	Other Revenue (1)	\$12,590,603	\$ -	\$12,590,603	\$ -	\$12,590,603
3	<b>Total Operating Revenues</b>	<b>\$204,512,509</b>	<b>(\$4,906,509)</b>	<b>\$199,605,999</b>	<b>(\$9,260,756)</b>	<b>\$190,345,243</b>
<b>Operating Expenses:</b>						
4	OM+A Expenses	\$94,637,605	\$ -	\$94,637,605	(\$1,992,656)	\$92,644,949
5	Depreciation/Amortization	\$47,223,722	\$147,333	\$47,371,055	(\$143,425)	\$47,227,630
6	Property taxes	\$1,578,586	\$ -	\$1,578,586	\$ -	\$1,578,586
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	<b>Subtotal (lines 4 to 8)</b>	<b>\$143,439,913</b>	<b>\$147,333</b>	<b>\$143,587,247</b>	<b>(\$2,136,082)</b>	<b>\$141,451,165</b>
10	Deemed Interest Expense	\$24,791,986	(\$1,574,987)	\$23,216,999	(\$50,289)	\$23,166,711
11	<b>Total Expenses (lines 9 to 10)</b>	<b>\$168,231,899</b>	<b>(\$1,427,654)</b>	<b>\$166,804,246</b>	<b>(\$2,186,370)</b>	<b>\$164,617,876</b>
12	<b>Utility income before income taxes</b>	<b>\$36,280,609</b>	<b>(\$3,478,856)</b>	<b>\$32,801,754</b>	<b>(\$7,074,386)</b>	<b>\$25,727,368</b>
13	Income taxes (grossed-up)	(\$3,760,101)	(\$935,147)	(\$4,695,248)	(\$1,868,320)	(\$6,563,568)
14	<b>Utility net income</b>	<b>\$40,040,710</b>	<b>(\$2,543,709)</b>	<b>\$37,497,001</b>	<b>(\$5,206,065)</b>	<b>\$32,290,936</b>

### Notes

#### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$3,471,316	\$ -	\$3,471,316	\$ -	\$3,471,316
	Late Payment Charges	\$2,038,288	\$ -	\$2,038,288	\$ -	\$2,038,288
	Other Distribution Revenue	\$2,001,095	\$ -	\$2,001,095	\$ -	\$2,001,095
	Other Income and Deductions	\$5,079,905	\$ -	\$5,079,905	\$ -	\$5,079,905
	<b>Total Revenue Offsets</b>	<b>\$12,590,603</b>	<b>\$ -</b>	<b>\$12,590,603</b>	<b>\$ -</b>	<b>\$12,590,603</b>



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Taxes/PILs

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
<b><u>Determination of Taxable Income</u></b>				
1	Utility net income before taxes	\$40,040,710	\$37,497,001	\$32,290,936
2	Adjustments required to arrive at taxable utility income	(\$46,237,243)	(\$46,287,243)	(\$46,287,243)
3	Taxable income	(\$6,196,533)	(\$8,790,242)	(\$13,996,307)
<b><u>Calculation of Utility income Taxes</u></b>				
4	Income taxes	(\$2,763,674)	(\$3,451,007)	(\$4,824,223)
6	Total taxes	(\$2,763,674)	(\$3,451,007)	(\$4,824,223)
7	Gross-up of Income Taxes	(\$996,427)	(\$1,244,241)	(\$1,739,346)
8	Grossed-up Income Taxes	(\$3,760,101)	(\$4,695,248)	(\$6,563,568)
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	(\$3,760,101)	(\$4,695,248)	(\$6,563,568)
10	Other tax Credits	(\$1,121,593)	(\$1,121,593)	(\$1,121,593)
<b><u>Tax Rates</u></b>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.50%	11.50%	11.50%
13	Total tax rate (%)	26.50%	26.50%	26.50%

## Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
<b>Initial Application</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$602,763,379	3.96%	\$23,862,008
2	Short-term Debt	4.00%	\$43,054,527	2.16%	\$929,978
3	<b>Total Debt</b>	<b>60.00%</b>	<b>\$645,817,906</b>	<b>3.84%</b>	<b>\$24,791,986</b>
	<b>Equity</b>				
4	Common Equity	40.00%	\$430,545,271	9.30%	\$40,040,710
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	<b>40.00%</b>	<b>\$430,545,271</b>	<b>9.30%</b>	<b>\$40,040,710</b>
7	<b>Total</b>	<b>100.00%</b>	<b>\$1,076,363,177</b>	<b>6.02%</b>	<b>\$64,832,696</b>
<b>Interrogatory Responses</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$564,470,988	3.96%	\$22,346,101
2	Short-term Debt	4.00%	\$40,319,356	2.16%	\$870,898
3	<b>Total Debt</b>	<b>60.00%</b>	<b>\$604,790,344</b>	<b>3.84%</b>	<b>\$23,216,999</b>
	<b>Equity</b>				
4	Common Equity	40.00%	\$403,193,563	9.30%	\$37,497,001
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	<b>40.00%</b>	<b>\$403,193,563</b>	<b>9.30%</b>	<b>\$37,497,001</b>
7	<b>Total</b>	<b>100.00%</b>	<b>\$1,007,983,907</b>	<b>6.02%</b>	<b>\$60,714,000</b>
<b>Per Board Decision</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
8	Long-term Debt	56.00%	\$563,248,329	3.96%	\$22,297,699
9	Short-term Debt	4.00%	\$40,232,024	2.16%	\$869,012
10	<b>Total Debt</b>	<b>60.00%</b>	<b>\$603,480,353</b>	<b>3.84%</b>	<b>\$23,166,711</b>
	<b>Equity</b>				
11	Common Equity	40.00%	\$402,320,235	8.03%	\$32,290,936
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	<b>Total Equity</b>	<b>40.00%</b>	<b>\$402,320,235</b>	<b>8.03%</b>	<b>\$32,290,936</b>
14	<b>Total</b>	<b>100.00%</b>	<b>\$1,005,800,588</b>	<b>5.51%</b>	<b>\$55,457,646</b>

### Notes

(1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Interrogatory Responses		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$29,477,552		\$25,222,874		\$15,953,422
2	Distribution Revenue	\$162,444,354	\$162,444,354	\$161,792,522	\$161,792,522	\$161,792,522	\$161,801,219
3	Other Operating Revenue	\$12,590,603	\$12,590,603	\$12,590,603	\$12,590,603	\$12,590,603	\$12,590,603
	Offsets - net						
4	<b>Total Revenue</b>	<b>\$175,034,957</b>	<b>\$204,512,509</b>	<b>\$174,383,125</b>	<b>\$199,605,999</b>	<b>\$174,383,125</b>	<b>\$190,345,243</b>
5	Operating Expenses	\$143,439,913	\$143,439,913	\$143,587,247	\$143,587,247	\$141,451,165	\$141,451,165
6	Deemed Interest Expense	\$24,791,986	\$24,791,986	\$23,216,999	\$23,216,999	\$23,166,711	\$23,166,711
8	<b>Total Cost and Expenses</b>	<b>\$168,231,899</b>	<b>\$168,231,899</b>	<b>\$166,804,246</b>	<b>\$166,804,246</b>	<b>\$164,617,876</b>	<b>\$164,617,876</b>
9	<b>Utility Income Before Income Taxes</b>	<b>\$6,803,057</b>	<b>\$36,280,609</b>	<b>\$7,578,879</b>	<b>\$32,801,754</b>	<b>\$9,765,250</b>	<b>\$25,727,368</b>
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$46,237,243)	(\$46,237,243)	(\$46,287,243)	(\$46,287,243)	(\$46,287,243)	(\$46,287,243)
11	<b>Taxable Income</b>	<b>(\$39,434,186)</b>	<b>(\$9,956,634)</b>	<b>(\$38,708,364)</b>	<b>(\$13,485,490)</b>	<b>(\$36,521,994)</b>	<b>(\$20,559,875)</b>
12	Income Tax Rate	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<b>(\$10,450,059)</b>	<b>(\$2,638,508)</b>	<b>(\$10,257,716)</b>	<b>(\$3,573,655)</b>	<b>(\$9,678,328)</b>	<b>(\$5,448,367)</b>
14	<b>Income Tax Credits</b>	<b>(\$1,121,593)</b>	<b>(\$1,121,593)</b>	<b>(\$1,121,593)</b>	<b>(\$1,121,593)</b>	<b>(\$1,121,593)</b>	<b>(\$1,121,593)</b>
15	<b>Utility Net Income</b>	<b>\$18,374,709</b>	<b>\$40,040,710</b>	<b>\$18,958,189</b>	<b>\$37,497,001</b>	<b>\$20,565,171</b>	<b>\$32,290,936</b>
16	<b>Utility Rate Base</b>	<b>\$1,076,363,177</b>	<b>\$1,076,363,177</b>	<b>\$1,007,983,907</b>	<b>\$1,007,983,907</b>	<b>\$1,005,800,588</b>	<b>\$1,005,800,588</b>
17	Deemed Equity Portion of Rate Base	\$430,545,271	\$430,545,271	\$403,193,563	\$403,193,563	\$402,320,235	\$402,320,235
18	Income/(Equity Portion of Rate Base)	4.27%	9.30%	4.70%	9.30%	5.11%	8.03%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	8.03%	8.03%
20	Deficiency/Sufficiency in Return on Equity	-5.03%	0.00%	-4.60%	0.00%	-2.91%	0.00%
21	Indicated Rate of Return	4.01%	6.02%	4.18%	6.02%	4.35%	5.51%
22	Requested Rate of Return on Rate Base	6.02%	6.02%	6.02%	6.02%	5.51%	5.51%
23	Deficiency/Sufficiency in Rate of Return	-2.01%	0.00%	-1.84%	0.00%	-1.17%	0.00%
24	Target Return on Equity	\$40,040,710	\$40,040,710	\$37,497,001	\$37,497,001	\$32,290,936	\$32,290,936
25	Revenue Deficiency/(Sufficiency)	\$21,666,001	\$ -	\$18,538,813	\$ -	\$11,725,765	\$ -
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$29,477,552 (1)</b>		<b>\$25,222,874 (1)</b>		<b>\$15,953,422 (1)</b>	

## Notes:

(1) Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)

(2) Revenue Deficiency/Sufficiency as calculated in Rate Model (for cost allocation input) is \$127K less due to rounding.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
1	OM&A Expenses	\$94,637,605	\$94,637,605	\$92,644,949
2	Amortization/Depreciation	\$47,223,722	\$47,371,055	\$47,227,630
3	Property Taxes	\$1,578,586	\$1,578,586	\$1,578,586
5	Income Taxes (Grossed up)	(\$3,760,101)	(\$4,695,248)	(\$6,563,568)
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$24,791,986	\$23,216,999	\$23,166,711
	Return on Deemed Equity	\$40,040,710	\$37,497,001	\$32,290,936
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$204,512,509</u>	<u>\$199,605,999</u>	<u>\$190,345,243</u>
9	Revenue Offsets	\$12,590,603	\$12,590,603	\$12,590,603
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$191,921,906</u>	<u>\$187,015,397</u>	<u>\$177,754,641</u>
11	Distribution revenue	\$191,921,906	\$187,015,397	\$177,754,641
12	Other revenue	\$12,590,603	\$12,590,603	\$12,590,603
13	<b>Total revenue</b>	<u>\$204,512,509</u>	<u>\$199,605,999</u>	<u>\$190,345,243</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$ - (1)</u>	<u>\$ - (1)</u>	<u>\$ - (1)</u>

### Notes

(1) Line 11 - Line 8



# Revenue Requirement Workform (RRWF) for 2015 Filers

## Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.) Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

<sup>(1)</sup> Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 64,832,696	6.02%	\$1,076,363,177	\$1,199,433,928	\$ 155,926,411	\$ 47,223,722	-\$ 3,760,101	\$ 94,637,605	\$ 204,512,509	\$ 12,590,603	\$ 191,921,906	\$ 29,477,552
	Change in cost of Power												

1



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	PowerStream Inc.
Service Territory	York Region and Simcoe County
Assigned EB Number	EB-2015-0003
Name and Title	Tom Barrett, Manager, Rates Applications
Phone Number	(905) 532-4640
Email Address	tom.barrett@powerstream.ca

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*While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.*



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

[1. Info](#)

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[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

[10. Tracking Sheet](#)

**Notes:**

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) ***Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.***
- (5) ***Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel***



# Revenue Requirement Workform (RRWF) for 2015 Filers

Data Input <sup>(1)</sup>

	Initial Application	(2) Adjustments	Interrogatory Responses	(6) Adjustments	Per Board Decision
<b>1 Rate Base</b>					
Gross Fixed Assets (average)	\$1,254,110,434	\$2,850,000	#####	(\$8,808,471)	\$1,248,151,963
Accumulated Depreciation (average)	(\$255,309,557)	(\$294,667)	(\$255,604,224)	\$448,709	(\$255,155,514)
<b>Allowance for Working Capital:</b>					
Controllable Expenses	\$98,112,314	\$3,696,095	\$ 101,808,409	(\$6,226,166)	\$95,582,243
Cost of Power	\$1,111,266,145	(\$9,398,873)	#####	\$ -	\$1,101,867,272
Working Capital Rate (%)	13.00%	(9)	7.50%	(9)	7.50% (9)
<b>2 Utility Income</b>					
<b>Operating Revenues:</b>					
Distribution Revenue at Current Rates	\$163,344,950	(\$846,027)	\$162,498,923	\$16,037,228	\$178,536,151
Distribution Revenue at Proposed Rates	\$211,062,321	(\$753,681)	\$210,308,640	(\$6,457,984)	\$203,850,656
<b>Other Revenue:</b>					
Specific Service Charges	\$3,474,784	\$0	\$3,474,784	\$0	\$3,474,784
Late Payment Charges	\$2,076,532	\$0	\$2,076,532	\$0	\$2,076,532
Other Distribution Revenue	\$2,025,296	\$0	\$2,025,296	\$0	\$2,025,296
Other Income and Deductions	\$5,141,699	\$0	\$5,141,699	\$0	\$5,141,699
Total Revenue Offsets	\$12,718,312	(7) \$0	\$12,718,312	\$0	\$12,718,312
<b>Operating Expenses:</b>					
OM+A Expenses	\$96,510,540	\$3,696,095	\$ 100,206,635	(\$5,641,166)	\$94,565,469
Depreciation/Amortization	\$51,161,387	\$294,667	\$ 51,456,053	(\$481,949)	\$50,974,104
Property taxes	\$1,601,774	\$ -	\$ 1,601,774	(\$0)	\$1,601,774
Other expenses					
<b>3 Taxes/PILs</b>					
<b>Taxable Income:</b>					
Adjustments required to arrive at taxable income	(\$27,130,035)	(3)	(\$27,030,035)		(\$26,141,181)
<b>Utility Income Taxes and Rates:</b>					
Income taxes (not grossed up)	\$3,074,594		\$2,466,355		\$2,614,887
Income taxes (grossed up)	\$4,183,121		\$3,355,585		\$3,557,670
Federal tax (%)	15.00%		15.00%		15.00%
Provincial tax (%)	11.50%		11.50%		11.50%
Income Tax Credits	(\$1,131,993)		(\$1,131,993)		(\$1,131,993)
<b>4 Capitalization/Cost of Capital</b>					
<b>Capital Structure:</b>					
Long-term debt Capitalization Ratio (%)	56.0%		56.0%		56.0%
Short-term debt Capitalization Ratio (%)	4.0%	(8)	4.0%	(8)	4.0% (8)
Common Equity Capitalization Ratio (%)	40.0%		40.0%		40.0%
Preferred Shares Capitalization Ratio (%)					
	100.0%		100.0%		100.0%
<b>Cost of Capital</b>					
Long-term debt Cost Rate (%)	4.01%		4.01%		4.01%
Short-term debt Cost Rate (%)	3.00%		3.00%		3.00%
Common Equity Cost Rate (%)	9.30%		9.30%		9.30%
Preferred Shares Cost Rate (%)					

Notes:

**General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)  
Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (2) Net of addbacks and deductions to arrive at taxable income.
- (3) Average of Gross Fixed Assets at beginning and end of the Test Year
- (4) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (5) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (6) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (7) 4.0% unless an Applicant has proposed or been approved for another amount.
- (8) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (9)



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Line No.	Particulars		Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$1,254,110,434	\$2,850,000	\$1,256,960,434	(\$8,808,471)	\$1,248,151,963
2	Accumulated Depreciation (average)	(3)	(\$255,309,557)	(\$294,667)	(\$255,604,224)	\$448,709	(\$255,155,514)
3	Net Fixed Assets (average)	(3)	\$998,800,877	\$2,555,333	\$1,001,356,210	(\$8,359,762)	\$992,996,448
4	Allowance for Working Capital	(1)	\$157,219,200	(\$66,943,524)	\$90,275,676	(\$466,962)	\$89,808,714
5	<b>Total Rate Base</b>		<u>\$1,156,020,076</u>	<u>(\$64,388,190)</u>	<u>\$1,091,631,886</u>	<u>(\$8,826,725)</u>	<u>\$1,082,805,162</u>

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses		\$98,112,314	\$3,696,095	\$101,808,409	(\$6,226,166)	\$95,582,243
7	Cost of Power		\$1,111,266,145	(\$9,398,873)	\$1,101,867,272	\$ -	\$1,101,867,272
8	Working Capital Base		\$1,209,378,459	(\$5,702,778)	\$1,203,675,681	(\$6,226,166)	\$1,197,449,515
9	Working Capital Rate %	(2)	13.00%	-5.50%	7.50%	0.00%	7.50%
10	Working Capital Allowance		<u>\$157,219,200</u>	<u>(\$66,943,524)</u>	<u>\$90,275,676</u>	<u>(\$466,962)</u>	<u>\$89,808,714</u>

### Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. **The default rate for 2014 cost of service applications is 13%.**  
 (3) Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
<b>Operating Revenues:</b>						
1	Distribution Revenue (at Proposed Rates)	\$211,062,321	(\$753,681)	\$210,308,640	(\$6,457,984)	\$203,850,656
2	Other Revenue (1)	\$12,718,312	\$ -	\$12,718,312	\$ -	\$12,718,312
3	<b>Total Operating Revenues</b>	<b>\$223,780,633</b>	<b>(\$753,681)</b>	<b>\$223,026,951</b>	<b>(\$6,457,984)</b>	<b>\$216,568,968</b>
<b>Operating Expenses:</b>						
4	OM+A Expenses	\$96,510,540	\$3,696,095	\$100,206,635	(\$5,641,166)	\$94,565,469
5	Depreciation/Amortization	\$51,161,387	\$294,667	\$51,456,053	(\$481,949)	\$50,974,104
6	Property taxes	\$1,601,774	\$ -	\$1,601,774	(\$0)	\$1,601,774
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	<b>Subtotal (lines 4 to 8)</b>	<b>\$149,273,700</b>	<b>\$3,990,762</b>	<b>\$153,264,462</b>	<b>(\$6,123,115)</b>	<b>\$147,141,347</b>
10	Deemed Interest Expense	\$27,319,864	(\$1,521,666)	\$25,798,198	(\$208,599)	\$25,589,599
11	<b>Total Expenses (lines 9 to 10)</b>	<b>\$176,593,565</b>	<b>\$2,469,096</b>	<b>\$179,062,660</b>	<b>(\$6,331,714)</b>	<b>\$172,730,946</b>
12	<b>Utility income before income taxes</b>	<b>\$47,187,068</b>	<b>(\$3,222,777)</b>	<b>\$43,964,291</b>	<b>(\$126,269)</b>	<b>\$43,838,022</b>
13	Income taxes (grossed-up)	\$4,183,121	(\$827,536)	\$3,355,585	\$202,085	\$3,557,670
14	<b>Utility net income</b>	<b>\$43,003,947</b>	<b>(\$2,395,241)</b>	<b>\$40,608,706</b>	<b>(\$328,354)</b>	<b>\$40,280,352</b>

### Notes

#### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$3,474,784	\$ -	\$3,474,784	\$ -	\$3,474,784
	Late Payment Charges	\$2,076,532	\$ -	\$2,076,532	\$ -	\$2,076,532
	Other Distribution Revenue	\$2,025,296	\$ -	\$2,025,296	\$ -	\$2,025,296
	Other Income and Deductions	\$5,141,699	\$ -	\$5,141,699	\$ -	\$5,141,699
	<b>Total Revenue Offsets</b>	<b>\$12,718,312</b>	<b>\$ -</b>	<b>\$12,718,312</b>	<b>\$ -</b>	<b>\$12,718,312</b>



# Revenue Requirement Workform (RRWF) for 2015 Filers

**Taxes/PILs**

<u>Line No.</u>	<u>Particulars</u>	<u>Application</u>	<u>Interrogatory Responses</u>	<u>Per Board Decision</u>
<b><u>Determination of Taxable Income</u></b>				
1	Utility net income before taxes	\$43,003,947	\$40,608,706	\$40,280,352
2	Adjustments required to arrive at taxable utility income	(\$27,130,035)	(\$27,030,035)	(\$26,141,181)
3	Taxable income	<u>\$15,873,912</u>	<u>\$13,578,672</u>	<u>\$14,139,171</u>
<b><u>Calculation of Utility income Taxes</u></b>				
4	Income taxes	\$3,074,594	\$2,466,355	\$2,614,887
6	Total taxes	<u>\$3,074,594</u>	<u>\$2,466,355</u>	<u>\$2,614,887</u>
7	Gross-up of Income Taxes	\$1,108,527	\$889,230	\$942,782
8	Grossed-up Income Taxes	<u>\$4,183,121</u>	<u>\$3,355,585</u>	<u>\$3,557,670</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$4,183,121</u>	<u>\$3,355,585</u>	<u>\$3,557,670</u>
10	Other tax Credits	(\$1,131,993)	(\$1,131,993)	(\$1,131,993)
<b><u>Tax Rates</u></b>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.50%	11.50%	11.50%
13	Total tax rate (%)	<u>26.50%</u>	<u>26.50%</u>	<u>26.50%</u>

**Notes**



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
<b>Initial Application</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$647,371,243	4.01%	\$25,932,640
2	Short-term Debt	4.00%	\$46,240,803	3.00%	\$1,387,224
3	<b>Total Debt</b>	<b>60.00%</b>	<b>\$693,612,046</b>	<b>3.94%</b>	<b>\$27,319,864</b>
	<b>Equity</b>				
4	Common Equity	40.00%	\$462,408,031	9.30%	\$43,003,947
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	<b>40.00%</b>	<b>\$462,408,031</b>	<b>9.30%</b>	<b>\$43,003,947</b>
7	<b>Total</b>	<b>100.00%</b>	<b>\$1,156,020,076</b>	<b>6.08%</b>	<b>\$70,323,811</b>
<b>Interrogatory Responses</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$611,313,856	4.01%	\$24,488,240
2	Short-term Debt	4.00%	\$43,665,275	3.00%	\$1,309,958
3	<b>Total Debt</b>	<b>60.00%</b>	<b>\$654,979,132</b>	<b>3.94%</b>	<b>\$25,798,198</b>
	<b>Equity</b>				
4	Common Equity	40.00%	\$436,652,754	9.30%	\$40,608,706
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	<b>40.00%</b>	<b>\$436,652,754</b>	<b>9.30%</b>	<b>\$40,608,706</b>
7	<b>Total</b>	<b>100.00%</b>	<b>\$1,091,631,886</b>	<b>6.08%</b>	<b>\$66,406,904</b>
<b>Per Board Decision</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
8	Long-term Debt	56.00%	\$606,370,891	4.01%	\$24,290,233
9	Short-term Debt	4.00%	\$43,312,206	3.00%	\$1,299,366
10	<b>Total Debt</b>	<b>60.00%</b>	<b>\$649,683,097</b>	<b>3.94%</b>	<b>\$25,589,599</b>
	<b>Equity</b>				
11	Common Equity	40.00%	\$433,122,065	9.30%	\$40,280,352
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	<b>Total Equity</b>	<b>40.00%</b>	<b>\$433,122,065</b>	<b>9.30%</b>	<b>\$40,280,352</b>
14	<b>Total</b>	<b>100.00%</b>	<b>\$1,082,805,162</b>	<b>6.08%</b>	<b>\$65,869,951</b>

### Notes

(1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Interrogatory Responses		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$47,717,370		\$47,809,717		\$25,314,505
2	Distribution Revenue	\$163,344,950	\$163,344,950	\$162,498,923	\$162,498,923	\$178,536,151	\$178,536,151
3	Other Operating Revenue	\$12,718,312	\$12,718,312	\$12,718,312	\$12,718,312	\$12,718,312	\$12,718,312
	Offsets - net						
4	<b>Total Revenue</b>	<u>\$176,063,262</u>	<u>\$223,780,633</u>	<u>\$175,217,235</u>	<u>\$223,026,951</u>	<u>\$191,254,463</u>	<u>\$216,568,968</u>
5	Operating Expenses	\$149,273,700	\$149,273,700	\$153,264,462	\$153,264,462	\$147,141,347	\$147,141,347
6	Deemed Interest Expense	\$27,319,864	\$27,319,864	\$25,798,198	\$25,798,198	\$25,589,599	\$25,589,599
8	<b>Total Cost and Expenses</b>	<u>\$176,593,565</u>	<u>\$176,593,565</u>	<u>\$179,062,660</u>	<u>\$179,062,660</u>	<u>\$172,730,946</u>	<u>\$172,730,946</u>
9	<b>Utility Income Before Income Taxes</b>	<u>(\$530,303)</u>	\$47,187,068	<u>(\$3,845,426)</u>	\$43,964,291	\$18,523,517	\$43,838,022
10	Tax Adjustments to Accounting Income per 2013 PILs model	<u>(\$27,130,035)</u>	<u>(\$27,130,035)</u>	<u>(\$27,030,035)</u>	<u>(\$27,030,035)</u>	<u>(\$26,141,181)</u>	<u>(\$26,141,181)</u>
11	<b>Taxable Income</b>	<u>(\$27,660,337)</u>	\$20,057,033	<u>(\$30,875,460)</u>	\$16,934,257	<u>(\$7,617,664)</u>	\$17,696,840
12	Income Tax Rate	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<u>(\$7,329,989)</u>	\$5,315,114	<u>(\$8,181,997)</u>	\$4,487,578	<u>(\$2,018,681)</u>	\$4,689,663
14	<b>Income Tax Credits</b>	<u>(\$1,131,993)</u>	<u>(\$1,131,993)</u>	<u>(\$1,131,993)</u>	<u>(\$1,131,993)</u>	<u>(\$1,131,993)</u>	<u>(\$1,131,993)</u>
15	<b>Utility Net Income</b>	<u>\$7,931,680</u>	<u>\$43,003,947</u>	<u>\$5,468,564</u>	<u>\$40,608,706</u>	<u>\$21,674,191</u>	<u>\$40,280,352</u>
16	<b>Utility Rate Base</b>	\$1,156,020,076	\$1,156,020,076	\$1,091,631,886	\$1,091,631,886	\$1,082,805,162	\$1,082,805,162
17	Deemed Equity Portion of Rate Base	\$462,408,031	\$462,408,031	\$436,652,754	\$436,652,754	\$433,122,065	\$433,122,065
18	Income/(Equity Portion of Rate Base)	1.72%	9.30%	1.25%	9.30%	5.00%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-7.58%	0.00%	-8.05%	0.00%	-4.30%	0.00%
21	Indicated Rate of Return	3.05%	6.08%	2.86%	6.08%	4.36%	6.08%
22	Requested Rate of Return on Rate Base	6.08%	6.08%	6.08%	6.08%	6.08%	6.08%
23	Deficiency/Sufficiency in Rate of Return	-3.03%	0.00%	-3.22%	0.00%	-1.72%	0.00%
24	Target Return on Equity	\$43,003,947	\$43,003,947	\$40,608,706	\$40,608,706	\$40,280,352	\$40,280,352
25	Revenue Deficiency/(Sufficiency)	\$35,072,267	\$ -	\$35,140,142	\$ -	\$18,606,161	\$ -
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<u>\$47,717,370 (1)</u>		<u>\$47,809,717 (1)</u>		<u>\$25,314,505 (1)</u>	

## Notes:

(1) Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



Ontario Energy Board

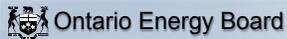
# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
1	OM&A Expenses	\$96,510,540	\$100,206,635	\$94,565,469
2	Amortization/Depreciation	\$51,161,387	\$51,456,053	\$50,974,104
3	Property Taxes	\$1,601,774	\$1,601,774	\$1,601,774
5	Income Taxes (Grossed up)	\$4,183,121	\$3,355,585	\$3,557,670
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$27,319,864	\$25,798,198	\$25,589,599
	Return on Deemed Equity	\$43,003,947	\$40,608,706	\$40,280,352
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$223,780,633</u>	<u>\$223,026,951</u>	<u>\$216,568,968</u>
9	Revenue Offsets	\$12,718,312	\$12,718,312	\$12,718,312
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$211,062,321</u>	<u>\$210,308,640</u>	<u>\$203,850,656</u>
11	Distribution revenue	\$211,062,321	\$210,308,640	\$203,850,656
12	Other revenue	\$12,718,312	\$12,718,312	\$12,718,312
13	<b>Total revenue</b>	<u>\$223,780,633</u>	<u>\$223,026,951</u>	<u>\$216,568,968</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$ - (1)</u>	<u>\$ - (1)</u>	<u>\$ - (1)</u>

**Notes**

(1) Line 11 - Line 8



# Revenue Requirement Workform (RRWF) for 2015 Filers

## Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

<sup>(1)</sup> Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 70,323,811	6.08%	\$1,156,020,076	\$1,209,378,459	\$ 157,219,200	\$ 51,161,387	\$ 4,183,121	\$ 96,510,540	\$ 223,780,633	\$ 12,718,312	\$ 211,062,321	\$ 47,717,370

1

Appendix 2-V  
 Revenue Reconciliation - 2016

Rate Class	Customers/ Connections	Number of Customers/Connections			Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
		Start of Test Year	End of Test Year	Average	kWh	kW	Monthly Service Charge	Volumetric						
								kWh	kW					
Residential	Customers	323,203	327,507	325,355	2,714,896,670		\$ 13.92	\$ 0.0154		\$ 96,156,708	\$ 96,103,972		\$ 96,103,972	-\$ 52,736
GS < 50 kW	Customers	32,233	32,572	32,403	1,038,581,794		\$ 28.75	\$ 0.0153		\$ 27,069,164	\$ 27,094,701		\$ 27,094,701	\$ 25,537
GS > 50 to 4,999 kW	Customers	4,910	5,020	4,965	4,576,806,248	12,220,067	\$ 138.48		\$ 3.7199	\$ 53,708,065	\$ 51,555,300	\$ 2,151,805	\$ 53,707,105	-\$ 959
Large Use	Customers	2	2	2	76,536,992	150,807	\$ 5,758.58		\$ 1.9666	\$ 434,782	\$ 344,300	\$ 90,484	\$ 434,784	\$ 1
Streetlighting	Connections	87,400	88,857	88,129	47,666,024	133,270	\$ 1.20		\$ 6.3400	\$ 2,113,983	\$ 2,113,950		\$ 2,113,950	-\$ 33
Sentinel Lighting	Connections	209	207	208	378,095	975	\$ 3.76		\$ 8.8369	\$ 18,003	\$ 18,026		\$ 18,026	\$ 23
Unmetered Scattered Load	Customers	2,948	3,006	2,977	14,169,748		\$ 7.73	\$ 0.0175		\$ 524,117	\$ 524,394		\$ 524,394	\$ 276
<b>Total</b>										\$ 180,024,822	\$ 177,754,642	\$ 2,242,289	\$ 179,996,931	-\$ 27,891

**Appendix 2-V**  
**Revenue Reconciliation - 2017 TEST YEAR**

Rate Class	Customers/ Connections	Number of Customers/Connections			Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
		Start of Test Year	End of Test Year	Average	kWh	kW	Monthly Service Charge	Volumetric						
								kWh	kW					
Residential	Customers	329,696	333,233	331,465	2,689,802,037		\$ 18.89	\$ 0.0132		\$ 110,641,760	\$ 110,678,685	\$ 110,678,685	\$ 36,925	
GS < 50 kW	Customers	32,603	32,948	32,776	1,031,991,524		\$ 29.04	\$ 0.0189		\$ 30,925,520	\$ 30,938,919	\$ 30,938,919	\$ 13,399	
GS > 50 to 4,999 kW	Customers	5,023	5,138	5,081	4,566,530,904	12,192,632	\$ 138.48		\$ 4.3278	\$ 61,209,843	\$ 59,062,565	\$ 2,146,974	\$ 61,209,539	-\$ 303
Large Use	Customers	2	2	2	75,964,677	149,679	\$ 5,369.68		\$ 2.4338	\$ 493,161	\$ 403,352	\$ 89,807	\$ 493,159	-\$ 2
Streetlighting	Connections	88,990	90,469	89,730	45,603,291	127,503	\$ 1.22		\$ 6.4316	\$ 2,133,687	\$ 2,133,676	\$ 2,133,676	\$ 2,133,676	-\$ 11
Sentinel Lighting	Connections	207	207	207	377,900	975	\$ 4.30		\$ 10.1037	\$ 20,530	\$ 20,530	\$ 20,530	\$ 20,530	\$ 0
Unmetered Scattered Load	Customers	3,011	3,077	3,044	14,542,413		\$ 8.83	\$ 0.0200		\$ 613,391	\$ 612,930	\$ 612,930	\$ 612,930	-\$ 461
<b>Total</b>										\$ 206,037,891	\$ 203,850,657	\$ 2,236,782	\$ 206,087,439	\$ 49,548



## 2016 Revenue Requirement Adjustment Workform

<b>Utility Name</b>	PowerStream Inc.
<b>Service Territory</b>	All
<b>Assigned EB Number</b>	EB-2015-0003
<b>Name of Contact and Title</b>	Tom Barrett, Manager, Rates Applications
<b>Phone Number</b>	905-532-4640
<b>Email Address</b>	tom.barrett@powerstream.ca
<b>Applying for rates effective</b>	January 1, 2016
<b>Rate-Setting Method</b>	2015 Revenue Requirement Adjustment



2016 Revenue Requirement Adjustment Workform

2015 Revenue Requirement \$ 174,611,630

Rate Adjustment to Revenue Requirement 1.80%

2016 Revenue Requirement \$ 177,754,639

Rate Class	Revenue Requirement Class Allocation		
	As per 2013 CA model	Proposed per Rate Application	2016 Revenue Requirement
	2013 BA	2016	
Residential	53.74%	54.07%	\$ 96,103,971
GS Less Than 50 kW	15.35%	15.24%	\$ 27,094,700
GS 50 to 4,999 kW	28.90%	29.00%	\$ 51,555,299
Large Use	0.19%	0.19%	\$ 344,300
Unmetered Scattered Load	0.28%	0.30%	\$ 524,394
Sentinel Lighting	0.01%	0.01%	\$ 18,026
Street Lighting	1.54%	1.19%	\$ 2,113,950
	100.00%	100.00%	\$ 177,754,639

Rate Class	Revenue Requirement Fixed/Variable Allocation			Revenue Requirement Fixed/Variable Allocation		
	Fixed	Variable	Total	Fixed	Variable	Total
Residential	56.5%	43.5%	100.0%	\$ 54,345,572	\$ 41,758,399	\$ 96,103,971
GS Less Than 50 kW	41.3%	58.7%	100.0%	\$ 11,179,389	\$ 15,915,312	\$ 27,094,700
GS 50 to 4,999 kW	16.9%	83.1%	100.0%	\$ 8,695,220	\$ 42,860,079	\$ 51,555,299
Large Use	40.1%	59.9%	100.0%	\$ 138,206	\$ 206,094	\$ 344,300
Unmetered Scattered Load	52.6%	47.4%	100.0%	\$ 276,012	\$ 248,381	\$ 524,394
Sentinel Lighting	52.2%	47.8%	100.0%	\$ 9,406	\$ 8,620	\$ 18,026
Street Lighting	60.0%	40.0%	100.0%	\$ 1,269,200	\$ 844,750	\$ 2,113,950
	42.4%	57.6%	100.0%	\$ 75,913,004	\$ 101,841,635	\$ 177,754,639



2016 Revenue Requirement Adjustment Workform

**RATE DESIGN**

Final Rates Calculation

	2016			Distribution Revenue		Transformer Allowance	FINAL RATES			
	Distribution revenues	customers	kw	kwh	Variable		Fixed	Variable	Fixed	
Residential	\$96,103,971	325,345	-	2,714,896,670	\$0.0154	\$13.92	\$	0.0154	\$13.92	
GS Less Than 50 kW	\$27,094,700	32,402	-	1,038,581,794	\$0.0153	\$28.75	\$	0.0153	\$28.75	
GS 50 to 4,999 kW	\$51,555,299	4,965	12,220,067	4,576,806,248	\$3.5438	\$138.48	\$0.1761	\$	3.7199	\$138.48
Large Use	\$344,300	2	150,807	76,536,992	\$1.3666	\$5,758.58	\$0.6000	\$	1.9666	\$5,758.58
Unmetered Scattered Load	\$524,394	2,976	-	14,169,748	\$0.0175	\$7.73		\$	0.0175	\$7.73
Sentinel Lighting	\$18,026	209	975	378,095	\$8.8369	\$3.76		\$	8.8369	\$3.76
Street Lighting	\$2,113,950	88,126	133,270	47,666,024	\$6.3400	\$1.20		\$	6.3400	\$1.20
<b>Total</b>	<b>\$177,754,639</b>	<b>454,024</b>	<b>12,505,119</b>	<b>8,469,035,571</b>						



2016 Revenue Requirement Adjustment Workform

**FIXED CHARGES CALCULATION**

	As per Cost Allocation Model (2016)			OEB proposed		Fixed Rates		Fixed Rates calculation	
	Avoided Cost	Direct	Min. System with PLCC Adjustment	floor	ceiling	Current Rate	Cost Allocation ceiling	As calculated	Final Proposed
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d=a</i>	<i>e=c</i>	<i>F</i>	<i>G= max (F, H)</i>	<i>H</i>	<i>I</i>
Residential	\$4.42	\$7.45	\$16.14	\$4.42	\$16.14	\$12.67	\$16.14	\$13.92	\$13.92
GS Less Than 50 kW	\$14.47	\$23.80	\$32.60	\$14.47	\$32.60	\$26.08	\$32.60	\$28.75	\$28.75
GS 50 to 4,999 kW	\$48.93	\$86.71	\$120.12	\$48.93	\$120.12	\$138.48	\$138.48	\$145.95	\$138.48
Large Use	\$329.37	\$487.67	\$657.95	\$329.37	\$657.95	\$5,966.29	\$5,966.29	\$5,758.58	\$5,758.58
Unmetered Scattered Load	\$4.21	\$7.67	\$14.55	\$4.21	\$14.55	\$7.01	\$14.55	\$7.73	\$7.73
Sentinel Lighting	\$0.79	\$1.46	\$6.96	\$0.79	\$6.96	\$3.41	\$6.96	\$3.76	\$3.76
Street Lighting	\$0.61	\$1.11	\$2.87	\$0.61	\$2.87	\$1.26	\$2.87	\$1.20	\$1.20



## Income Tax/PILs Workform for 2016 Custom IR

Version 2.0

Utility Name	PowerStream Inc. - South
Assigned EB Number	EB-2015-xxxx
Name and Title	Tom Barrett, Manager Rate Applications
Phone Number	905-532-4640
Email Address	<a href="mailto:tom.barrett@powerstream.ca">tom.barrett@powerstream.ca</a>
Date	30-Apr-15
Last COS Re-based Year	2013

**Note:** Drop-down lists are shaded blue; Input cells are shaded green.

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*While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.*



## Income Tax/PILs Workform for 2016 Custom IR

### [1. Info](#)

[A. Data Input Sheet](#)

[B. Tax Rates & Exemptions](#)

[C. Sch 8 Hist](#)

[D. Schedule 10 CEC Hist](#)

[E. Sch 13 Tax Reserves Hist](#)

[F. Sch 7-1 Loss Cfwd Hist](#)

[G. Adj. Taxable Income Historic](#)

[H. PILs,Tax Provision Historic](#)

[I. Schedule 8 CCA Bridge Year](#)

[J. Schedule 10 CEC Bridge Year](#)

[K. Sch 13 Tax Reserves Bridge](#)

[L. Sch 7-1 Loss Cfwd Bridge](#)

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[O. Schedule 8 CCA Test Year](#)

[P. Schedule 10 CEC Test Year](#)

[Q Sch 13 Tax Reserve Test Year](#)

[R. Sch 7-1 Loss Cfwd](#)

[S. Taxable Income Test Year](#)

[T. PILs,Tax Provision](#)



## Income Tax/PILs Workform for 2016 Custom IR

	Test Year 1 (2016)	Test Year 2 (2017)	Test Year 3 (2018)	Test Year 4 (2019)	Test Year 5 (2020)	
<b>Rate Base</b>	<b>\$ 1,005,800,588</b>	<b>\$ 1,082,805,162</b>	<b>\$ 1,156,726,934</b>	<b>\$ 1,226,995,638</b>	<b>\$ 1,297,908,419</b>	
<b>Return on Ratebase</b>						
Deemed ShortTerm Debt	\$ 40,232,024	\$ 43,312,206	\$ 46,269,077	\$ 49,079,826	\$ 51,916,337	$W = S * T$
Deemed Long Term Debt	\$ 563,248,329	\$ 606,370,891	\$ 647,767,083	\$ 687,117,557	\$ 726,828,715	$X = S * U$
Deemed Equity	\$ 402,320,235	\$ 433,122,065	\$ 462,690,774	\$ 490,798,255	\$ 519,163,368	$Y = S * V$
Short Term Interest Rate	\$ 869,012	\$ 1,299,366	\$ 1,388,072	\$ 1,472,395	\$ 1,557,490	$AC = W * Z$
Long Term Interest	\$ 22,297,699	\$ 24,290,233	\$ 26,093,464	\$ 27,678,587	\$ 29,278,238	$AD = X * AA$
<b>Return on Equity (Regulatory Income)</b>	<b>\$ 32,290,936</b>	<b>\$ 40,280,352</b>	<b>\$ 43,030,242</b>	<b>\$ 45,644,238</b>	<b>\$ 48,282,193</b>	$AE = Y * AB$
<b>Return on Rate Base</b>	<b>\$ 55,457,646</b>	<b>\$ 65,869,951</b>	<b>\$ 70,511,779</b>	<b>\$ 74,795,219</b>	<b>\$ 79,117,922</b>	$AF = AC + AD + AE$

### Return on Rate Base Parameters

Deemed ShortTerm Debt %	T	4.00%	4.00%	4.00%	4.00%	4.00%
Deemed Long Term Debt %	U	56.00%	56.00%	56.00%	56.00%	56.00%
Deemed Equity %	V	40.00%	40.00%	40.00%	40.00%	40.00%
Short Term Interest Rate	Z	2.16%	3.00%	3.00%	3.00%	3.00%
Long Term Interest	AA	3.96%	4.01%	4.03%	4.03%	4.03%
Return on Equity	AB	8.0261774%	9.30%	9.30%	9.30%	9.30%

### Questions that must be answered

	Historic 2014	Bridge 2015	Test Year 1 2016	Test Year 2 2017	Test Year 3 2018	Test Year 4 2019	Test Year 5 2010
1. Does the applicant have any Investment Tax Credits (ITC)?	Yes						
2. Does the applicant have any SRED Expenditures?							
3. Does the applicant have any Capital Gains or Losses for tax purposes?							
4. Does the applicant have any Capital Leases?	No						
5. Does the applicant have any Loss Carry-Forwards (non-capital or net capital)?							
6. Since 1999, has the applicant acquired another regulated applicant's assets?							
7. Did the applicant pay dividends? <i>If Yes, please describe what was the tax treatment in the manager's summary.</i>							
8. Did the applicant elect to capitalize interest incurred on CWIP for tax purposes?							







# Income Tax/PILs Workform for 2016 Custom IR

## Schedule 10 CEC - Historical Year

**Cumulative Eligible Capital** **5,784,065**

**Additions**

Cost of Eligible Capital Property Acquired during Test Year	46,195			
Other Adjustments	0			
Subtotal	46,195		<b>x 3/4 =</b>	34,646
Non-taxable portion of a non-arm's length transferor's gain realized on the transfer of an ECP to the Corporation after Friday, December 20, 2002	0		<b>x 1/2 =</b>	0
				34,646
				<b>34,646</b>
Amount transferred on amalgamation or wind-up of subsidiary	0			0
<b>Subtotal</b>				<b>5,818,711</b>

**Deductions**

Proceeds of sale (less outlays and expenses not otherwise deductible) from the disposition of all ECP during Test Year				
Other Adjustments	0			
<b>Subtotal</b>	0		<b>x 3/4 =</b>	0

**Cumulative Eligible Capital Balance** **5,818,711**

**Current Year Deduction** **5,818,711 x 7% = 407,310**

**Cumulative Eligible Capital - Closing Balance** **5,411,401**



## Income Tax/PILs Workform for 2016 Custom IR

### Schedule 13 Tax Reserves - Historical

#### Continuity of Reserves

Description	Historical Balance as per tax returns	Non-Distribution Eliminations	Utility Only
Capital Gains Reserves ss.40(1)			0
<b>Tax Reserves Not Deducted for accounting purposes</b>			
Reserve for doubtful accounts ss. 20(1)(l)			0
Reserve for goods and services not delivered ss. 20(1)(m)			0
Reserve for unpaid amounts ss. 20(1)(n)			0
Debt & Share Issue Expenses ss. 20(1)(e)			0
Other tax reserves			0
Employee future benefits			0
			0
			0
			0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>			
General Reserve for Inventory Obsolescence (non-specific)			0
General reserve for bad debts			0
Accrued Employee Future Benefits:			0
- Medical and Life Insurance	17,362,424		17,362,424
-Short & Long-term Disability			0
-Accumulated Sick Leave			0
- Termination Cost			0
- Other Post-Employment Benefits			0
Provision for Environmental Costs			0
Restructuring Costs			0
Accrued Contingent Litigation Costs			0
Accrued Self-Insurance Costs			0
Other Contingent Liabilities			0
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)			0
Other			0
Bad debt general provision	1,641,878		
inventory general provision	152,286		
			0
			0
<b>Total</b>	<b>19,225,745</b>	<b>0</b>	<b>17,431,581</b>



## Income Tax/PILs Workform for 2016 Custom IR

### Schedule 7-1 Loss Carry Forward - Historic

#### Corporation Loss Continuity and Application

	Total	Non-Distribution Portion	Utility Balance
<b>Non-Capital Loss Carry Forward Deduction</b>			
Actual Historic			0

	Total	Non-Distribution Portion	Utility Balance
<b>Net Capital Loss Carry Forward Deduction</b>			
Actual Historic			0

# Income Tax/PILs Workform for 2016 Custom IR

## Adjusted Taxable Income - Historic Year

	T2S1 line #	Total for Legal Entity	Non-Distribution Eliminations	Historic Wires Only
<b>Income before PILs/Taxes</b>	<b>A</b>	<b>13,947,478</b>		<b>13,947,478</b>
<b>Additions:</b>				
Interest and penalties on taxes	103			0
Amortization of tangible assets	104	37,252,358		37,252,358
Amortization of intangible assets	106	3,301,540		3,301,540
Recapture of capital cost allowance from Schedule 8	107			0
Gain on sale of eligible capital property from Schedule 10	108			0
Income or loss for tax purposes- joint ventures or partnerships	109			0
Loss in equity of subsidiaries and affiliates	110			0
Loss on disposal of assets	111			0
Charitable donations	112	419,695		419,695
Taxable Capital Gains	113			0
Political Donations	114			0
Deferred and prepaid expenses	116			0
Scientific research expenditures deducted on financial statements	118	1,132,172		1,132,172
Capitalized interest	119			0
Non-deductible club dues and fees	120	46,294		46,294
Non-deductible meals and entertainment expense	121	125,519		125,519
Non-deductible automobile expenses	122	10,637		10,637
Non-deductible life insurance premiums	123			0
Non-deductible company pension plans	124			0
Tax reserves deducted in prior year	125			0
Reserves from financial statements- balance at end of year	126	19,225,745		19,225,745
Soft costs on construction and renovation of buildings	127			0
Book loss on joint ventures or partnerships	205			0
Capital items expensed	206			0
Debt issue expense	208	41,093		41,093
Development expenses claimed in current year	212			0
Financing fees deducted in books	216			0
Gain on settlement of debt	220			0
Non-deductible advertising	226			0
Non-deductible interest	227			0
Non-deductible legal and accounting fees	228			0
Recapture of SR&ED expenditures	231			0
Share issue expense	235			0
Write down of capital property	236			0
Amounts received in respect of qualifying environment trust per paragraphs 12(1)(z.1) and 12(1)(z.2)	237			0
<b>Other Additions</b>				
Interest Expensed on Capital Leases	290			0
Realized Income from Deferred Credit Accounts	291			0
Pensions	292			0
Non-deductible penalties	293			0
Retail settlement variances charged to income	294	13,937,654		13,937,654
Income tax provision	295	804,143		804,143
ARO Accretion expense				0
Capital Contributions Received (ITA 12(1)(x))				0
Lease Inducements Received (ITA 12(1)(x))				0
Deferred Revenue (ITA 12(1)(a))				0
Prior Year Investment Tax Credits received		5,398		5,398
Derecognition of assets expense		2,078,248		2,078,248
Ontario Specific Tax Credits - Co-op		201,000		201,000
Ontario Specific Tax Credits - Apprenticeship		295,014		295,014
imputed interest on lease capitalized for accounting		1,134,547		1,134,547
				0
				0
				0
				0
				0
				0
<b>Total Additions</b>		<b>80,011,057</b>	<b>0</b>	<b>80,011,057</b>

**Deductions:**

Gain on disposal of assets per financial statements	401	46,182		
Dividends not taxable under section 83	402			
Capital cost allowance from Schedule 8	403	61,263,323		61,263,323
Terminal loss from Schedule 8	404			0
Cumulative eligible capital deduction from Schedule 10	405	407,310		407,310
Allowable business investment loss	406			0
Deferred and prepaid expenses	409			0
Scientific research expenses claimed in year	411	1,874,370		1,874,370
Tax reserves claimed in current year	413			0
Reserves from financial statements - balance at beginning of year	414	20,789,352		20,789,352
Contributions to deferred income plans	416			0
Book income of joint venture or partnership	305	-462,672		-462,672
Equity in income from subsidiary or affiliates	306			0
<i>Other deductions: (Please explain in detail the nature of the item)</i>				
Interest capitalized for accounting deducted for tax	390	1,450,713		1,450,713
Capital Lease Payments	391	1,429,911		1,429,911
Non-taxable imputed interest income on deferral and variance accounts	392			0
	393			0
	394			0
ARO Payments - Deductible for Tax when Paid				0
ITA 13(7.4) Election - Capital Contributions Received				0
ITA 13(7.4) Election - Apply Lease Inducement to cost of Leaseholds				0
Deferred Revenue - ITA 20(1)(m) reserve				0
Principal portion of lease payments				0
Lease Inducement Book Amortization credit to income				0
Financing fees for tax ITA 20(1)(e) and (e.1)		563,628		563,628
Deduction of amortization of deferred revenue		2,453,587		2,453,587
				0
				0
				0
				0
				0
				0
<b>Total Deductions</b>		<b>89,815,704</b>	<b>0</b>	<b>89,815,704</b>
<b>Net Income for Tax Purposes</b>		<b>4,142,831</b>	<b>0</b>	<b>4,142,831</b>
Charitable donations from Schedule 2	311	186,000		186,000
Taxable dividends deductible under section 112 or 113, from Schedule 3 (item 82)	320			0
Non-capital losses of preceding taxation years from Schedule 4	331			0
Net-capital losses of preceding taxation years from Schedule 4 (Please include explanation and calculation in Manager's summary)	332			0
Limited partnership losses of preceding taxation years from Schedule 4	335			0
<b>TAXABLE INCOME</b>		<b>3,956,831</b>	<b>0</b>	<b>3,956,831</b>

# Income Tax/PILs Workform for 2016 Custom IR

## PILs Tax Provision - Historic Year

**Note: Input the actual information from the tax returns for the historic year.**

### Wires Only

**Regulatory Taxable Income**

\$ 3,956,831 **A**

**Ontario Income Taxes**

*Income tax payable*

**Ontario Income Tax**

11.50% **B**

\$ 455,036 **C = A \* B**

*Small business credit*

Ontario Small Business Threshold  
 Rate reduction (negative)

\$ 166,667 **D**

-7.00% **E**

-\$ 3,889 **F = D \* E**

*Ontario Income tax*

\$ 451,147 **J = C + F**

**Combined Tax Rate and PILs**

Effective Ontario Tax Rate

11.40% **K = J / A**

Federal tax rate

15.00% **L**

Combined tax rate

26.402% **M = K + L**

**Total Income Taxes**

\$ 1,044,671 **N = A \* M**

Investment Tax Credits

\$ 605,593 **O**

Miscellaneous Tax Credits

\$ 496,014 **P**

**Total Tax Credits**

\$ 1,101,607 **Q = O + P**

**Corporate PILs/Income Tax Provision for Historic Year**

-\$ 56,936 **R = N - Q**





# Income Tax/PILs Workform for 2016 Custom IR

## Schedule 10 CEC - Bridge Year

**Cumulative Eligible Capital**

**5,411,401**

**Additions**

Cost of Eligible Capital Property Acquired during Test Year	33,000			
Other Adjustments	0			
Subtotal	33,000	$\times \frac{3}{4} =$	24,750	
Non-taxable portion of a non-arm's length transferor's gain realized on the transfer of an ECP to the Corporation after Friday, December 20, 2002	0	$\times \frac{1}{2} =$	0	
			24,750	24,750
Amount transferred on amalgamation or wind-up of subsidiary	0			0
<b>Subtotal</b>				<b>5,436,151</b>

**Deductions**

Proceeds of sale (less outlays and expenses not otherwise deductible) from the disposition of all ECP during Test Year				
Other Adjustments	0			
<b>Subtotal</b>	<b>0</b>	$\times \frac{3}{4} =$		<b>0</b>

<b>Cumulative Eligible Capital Balance</b>	<b>5,436,151</b>
<b>Current Year Deduction</b>	<b>5,436,151</b> $\times 7\% =$ <b>380,531</b>
<b>Cumulative Eligible Capital - Closing Balance</b>	<b>5,055,621</b>



## Income Tax/PILs Workform for 2016 Custom IR

### Schedule 13 Tax Reserves - Bridge Year Continuity of Reserves

Description	Historic Utility Only	Eliminate Amounts Not Relevant for Bridge Year	Adjusted Utility Balance	Bridge Year Adjustments		Balance for Bridge Year	Change During the Year	Disallowed Expenses
				Additions	Disposals			
Capital Gains Reserves ss.40(1)	0		0			0	0	
<b>Tax Reserves Not Deducted for accounting purposes</b>								
Reserve for doubtful accounts ss. 20(1)(l)	0		0			0	0	
Reserve for goods and services not delivered ss. 20(1)(m)	0		0			0	0	
Reserve for unpaid amounts ss. 20(1)(n)	0		0			0	0	
Debt & Share Issue Expenses ss. 20(1)(e)	0		0			0	0	
Other tax reserves	0		0			0	0	
	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>								
General Reserve for Inventory Obsolescence (non-specific)	0		0			0	0	
General reserve for bad debts	0		0			0	0	
Accrued Employee Future Benefits:	0		0			0	0	
- Medical and Life Insurance	17,362,424		17,362,424	2,423,419		19,785,843	2,423,419	
-Short & Long-term Disability	0		0			0	0	
-Accumulated Sick Leave	0		0			0	0	
- Termination Cost	0		0			0	0	
- Other Post-Employment Benefits	0		0			0	0	
Provision for Environmental Costs	0		0			0	0	
Restructuring Costs	0		0			0	0	
Accrued Contingent Litigation Costs	0		0			0	0	
Accrued Self-Insurance Costs	0		0			0	0	
Other Contingent Liabilities	0		0			0	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157			69,157	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	0		0			0	0	
Other	0		0			0	0	
	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>17,431,581</b>	<b>0</b>	<b>17,431,581</b>	<b>2,423,419</b>	<b>0</b>	<b>19,855,000</b>	<b>2,423,419</b>	<b>0</b>



# Income Tax/PILs Workform for 2016 Custom IR

## Corporation Loss Continuity and Application

### Schedule 7-1 Loss Carry Forward - Bridge Year

Non-Capital Loss Carry Forward Deduction	Total
Actual Historic	0
Application of Loss Carry Forward to reduce taxable income in Bridge Year	0
Other Adjustments Add (+) Deduct (-)	0
Balance available for use in Test Year	0
<b>Amount to be used in Bridge Year</b>	0
Balance available for use post Bridge Year	0

Net Capital Loss Carry Forward Deduction	Total
Actual Historic	0
Application of Loss Carry Forward to reduce taxable income in Bridge Year	0
Other Adjustments Add (+) Deduct (-)	0
Balance available for use in Test Year	0
<b>Amount to be used in Bridge Year</b>	0
Balance available for use post Bridge Year	0



# Income Tax/PILs Workform for 2016 Custom IR

## Adjusted Taxable Income - Bridge Year

	T2S1 line #	Total for Regulated Utility
<b>Income before PILs/Taxes</b>	<b>A</b>	34,976,530

<b>Additions:</b>		
Interest and penalties on taxes	103	
Amortization of tangible assets	104	42,664,000
Amortization of intangible assets	106	
Recapture of capital cost allowance from Schedule 8	107	
Gain on sale of eligible capital property from Schedule 10	108	
Income or loss for tax purposes- joint ventures or partnerships	109	
Loss in equity of subsidiaries and affiliates	110	
Loss on disposal of assets	111	
Charitable donations	112	300,000
Taxable Capital Gains	113	
Political Donations	114	
Deferred and prepaid expenses	116	
Scientific research expenditures deducted on financial statements	118	
Capitalized interest	119	
Non-deductible club dues and fees	120	50,700
Non-deductible meals and entertainment expense	121	119,600
Non-deductible automobile expenses	122	10,800
Non-deductible life insurance premiums	123	
Non-deductible company pension plans	124	
Tax reserves deducted in prior year	125	0
Reserves from financial statements- balance at end of year	126	19,855,000
Soft costs on construction and renovation of buildings	127	
Book loss on joint ventures or partnerships	205	
Capital items expensed	206	
Debt issue expense	208	41,100
Development expenses claimed in current year	212	
Financing fees deducted in books	216	
Gain on settlement of debt	220	
Non-deductible advertising	226	
Non-deductible interest	227	
Non-deductible legal and accounting fees	228	
Recapture of SR&ED expenditures	231	
Share issue expense	235	
Write down of capital property	236	
Amounts received in respect of qualifying environment trust per paragraphs 12(1)(z.1) and 12(1)(z.2)	237	
<b>Other Additions</b>		
Interest Expensed on Capital Leases	290	
Realized Income from Deferred Credit Accounts	291	
Pensions	292	
Non-deductible penalties	293	
	294	



# Income Tax/PILs Workform for 2016 Custom IR

## Adjusted Taxable Income - Bridge Year

	295	
ARO Accretion expense		
Capital Contributions Received (ITA 12(1)(x))		
Lease Inducements Received (ITA 12(1)(x))		
Deferred Revenue (ITA 12(1)(a))		
Prior Year Investment Tax Credits received		
Ontario Tax Credits - Co-op		205,000
Ontario Tax Credits - Apprentice		300,900
Interest expense - leased building		1,114,500
<b>Total Additions</b>		<b>64,661,600</b>
<b>Deductions:</b>		
Gain on disposal of assets per financial statements	401	61,000
Dividends not taxable under section 83	402	
Capital cost allowance from Schedule 8	403	85,013,906
Terminal loss from Schedule 8	404	
Cumulative eligible capital deduction from Schedule 10	405	380,531
Allowable business investment loss	406	
Deferred and prepaid expenses	409	
Scientific research expenses claimed in year	411	1,407,863
Tax reserves claimed in current year	413	0
Reserves from financial statements - balance at beginning of year	414	17,431,581
Contributions to deferred income plans	416	
Book income of joint venture or partnership	305	
Equity in income from subsidiary or affiliates	306	
<i>Other deductions: (Please explain in detail the nature of the item)</i>		
Interest capitalized for accounting deducted for tax	390	
Capital Lease Payments	391	1,429,900
Non-taxable imputed interest income on deferral and variance accounts	392	
reserves - correction (fix later)	393	2,387,519
	394	
ARO Payments - Deductible for Tax when Paid		
ITA 13(7.4) Election - Capital Contributions Received		



# Income Tax/PILs Workform for 2016 Custom IR

## Adjusted Taxable Income - Bridge Year

ITA 13(7.4) Election - Apply Lease Inducement to cost of Leaseholds		
Deferred Revenue - ITA 20(1)(m) reserve		
Principal portion of lease payments		
Lease Inducement Book Amortization credit to income		
Financing fees for tax ITA 20(1)(e) and (e.1)		465,500
<b>Total Deductions</b>		<b>108,577,800</b>
<b>Net Income for Tax Purposes</b>		<b>-8,939,670</b>
Charitable donations from Schedule 2	311	300,000
Taxable dividends deductible under section 112 or 113, from Schedule 3 (item 82)	320	
Non-capital losses of preceding taxation years from Schedule 4	331	
Net-capital losses of preceding taxation years from Schedule 4 (Please include explanation and calculation in Manager's summary)	332	
Limited partnership losses of preceding taxation years from Schedule 4	335	
<b>TAXABLE INCOME</b>		<b>-9,239,670</b>



## Income Tax/PILs Workform for 2016 Custom IR

### PILS Tax Provision - Bridge Year

#### Wires Only

<b>Regulatory Taxable Income</b>					-\$ 9,239,670 <b>A</b>
<b>Ontario Income Taxes</b>					
<i>Income tax payable</i>	<b>Ontario Income Tax</b>	11.50%	<b>B</b>	\$ -	<b>C = A * B</b>
<i>Small business credit</i>	Ontario Small Business Threshold	\$ -	<b>D</b>		
	Rate reduction	-7.00%	<b>E</b>	\$ -	<b>F = D * E</b>
<i>Ontario Income tax</i>					\$ - <b>J = C + F</b>
<b>Combined Tax Rate and PILs</b>	Effective Ontario Tax Rate	11.50%	<b>K = J / A</b>		
	Federal tax rate	15.00%	<b>L</b>		
	Combined tax rate				26.50% <b>M = K + L</b>
<b>Total Income Taxes</b>					-\$ 2,448,512 <b>N = A * M</b>
Investment Tax Credits					\$ 605,593 <b>O</b>
Miscellaneous Tax Credits					\$ 505,900 <b>P</b>
<b>Total Tax Credits</b>					\$ 1,111,493 <b>Q = O + P</b>
<b>Corporate PILs/Income Tax Provision for Bridge Year</b>					-\$ 3,560,005 <b>R = N - Q</b>
Grossed up income tax					-\$ 4,843,545

**Note:**

1. This is for the derivation of Bridge year PILs income tax expense and should not be used for Test year revenue requirement calculations.













## Income Tax/PILs Workform for 2016 Custom IR

**Schedule 10 CEC**

	Test Year 1 (2016)	Test Year 2 (2017)	Test Year 3 (2018)	Test Year 4 (2019)	Test Year 5 (2020)
<b>Cumulative Eligible Capital</b>	5,055,621	4,725,442	4,415,586	4,130,908	3,866,157
<b>Additions</b>					
Cost of Eligible Capital Property Acquired during Test Year	34,000	30,000	35,000	35,000	36,000
Other Adjustments	0	0	0	0	0
<b>Subtotal</b>	34,000 $\times 3/4 = 25,500$	30,000 $\times 3/4 = 22,500$	35,000 $\times 3/4 = 26,250$	35,000 $\times 3/4 = 26,250$	36,000 $\times 3/4 = 27,000$
Non-taxable portion of a non-arm's length transferor's gain realized on the transfer of an ECP to the Corporation after Friday, December 20, 2002	0 $\times 1/2 = 0$ <u>25,500</u> 25,500	0 $\times 1/2 = 0$ <u>22,500</u> 22,500	0 $\times 1/2 = 0$ <u>26,250</u> 26,250	0 $\times 1/2 = 0$ <u>26,250</u> 26,250	0 $\times 1/2 = 0$ <u>27,000</u> 27,000
Amount transferred on amalgamation or wind-up of subsidiary	0	0	0	0	0
<b>Subtotal</b>	5,081,121	4,747,942	4,441,836	4,157,158	3,893,157
<b>Deductions</b>					
Proceeds of sale (less outlays and expenses not otherwise deductible) from the disposition of all ECP during Test Year	0	0	0	0	0
Other Adjustments	0	0	0	0	0
<b>Subtotal</b>	0 $\times 3/4 = 0$				
<b>Cumulative Eligible Capital Balance</b>	5,081,121	4,747,942	4,441,836	4,157,158	3,893,157
<b>Current Year Deduction (Carry Forward to Tab "Test Year Taxable Income")</b>	5,081,121 $\times 7% = 355,678$	4,747,942 $\times 7% = 332,356$	4,441,836 $\times 7% = 310,929$	4,157,158 $\times 7% = 291,001$	3,893,157 $\times 7% = 272,521$
<b>Cumulative Eligible Capital - Closing Balance</b>	4,725,442	4,415,586	4,130,908	3,866,157	3,620,636



## Income Tax/PILs Workform for 2016 Custom IR

### Schedule 13 Tax Reserves - Test Year 1 (2016)

#### Continuity of Reserves

Description	Bridge Year	Eliminate Amounts Not Relevant for Bridge Year	Adjusted Utility Balance	Test Year 1 Adjustments		Balance for Test Year 1	Change During the Year	Disallowed Expenses
				Additions	Disposals			
Capital Gains Reserves ss.40(1)	0		0			0	0	
<b>Tax Reserves Not Deducted for accounting purposes</b>								
Reserve for doubtful accounts ss. 20(1)(l)	0		0			0	0	
Reserve for goods and services not delivered ss. 20(1)(m)	0		0			0	0	
Reserve for unpaid amounts ss. 20(1)(n)	0		0			0	0	
Debt & Share Issue Expenses ss. 20(1)(e)	0		0			0	0	
Other tax reserves	0		0			0	0	
	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>								
General Reserve for Inventory Obsolescence (non-specific)	0		0			0	0	
General reserve for bad debts	0		0			0	0	
Accrued Employee Future Benefits:	0		0			0	0	
- Medical and Life Insurance	19,785,843		19,785,843	637,100		20,422,943	637,100	
-Short & Long-term Disability	0		0			0	0	
-Accumulated Sick Leave	0		0			0	0	
- Termination Cost	0		0			0	0	
- Other Post-Employment Benefits	0		0			0	0	
Provision for Environmental Costs	0		0			0	0	
Restructuring Costs	0		0			0	0	
Accrued Contingent Litigation Costs	0		0			0	0	
Accrued Self-Insurance Costs	0		0			0	0	
Other Contingent Liabilities	0		0			0	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157			69,157	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	0		0			0	0	
Other	0		0			0	0	
	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>19,855,000</b>	<b>0</b>	<b>19,855,000</b>	<b>637,100</b>	<b>0</b>	<b>20,492,100</b>	<b>637,100</b>	<b>0</b>

**Schedule 13 Tax Reserves - Test Year 2 (2017)**

**Continuity of Reserves**

Description	Test Year 1 (2016)	Eliminate Amounts Not Relevant for Test Year 1	Adjusted Utility Balance	Test Year 2 Adjustments		Balance for Test Year 2	Change During the Year	Disallowed Expenses
				Additions	Disposals			
Capital Gains Reserves ss.40(1)	0		0			0	0	
<b>Tax Reserves Not Deducted for accounting purposes</b>								
Reserve for doubtful accounts ss. 20(1)(l)	0		0			0	0	
Reserve for goods and services not delivered ss. 20(1)(m)	0		0			0	0	
Reserve for unpaid amounts ss. 20(1)(n)	0		0			0	0	
Debt & Share Issue Expenses ss. 20(1)(e)	0		0			0	0	
Other tax reserves	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>								
General Reserve for Inventory Obsolescence (non-specific)	0		0			0	0	
General reserve for bad debts	0		0			0	0	
Accrued Employee Future Benefits:	0		0			0	0	
- Medical and Life Insurance	20,422,943		20,422,943	637,800		21,060,743	637,800	
-Short & Long-term Disability	0		0			0	0	
-Accumulated Sick Leave	0		0			0	0	
- Termination Cost	0		0			0	0	
- Other Post-Employment Benefits	0		0			0	0	
Provision for Environmental Costs	0		0			0	0	
Restructuring Costs	0		0			0	0	
Accrued Contingent Litigation Costs	0		0			0	0	
Accrued Self-Insurance Costs	0		0			0	0	
Other Contingent Liabilities	0		0			0	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157			69,157	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	0		0			0	0	
Other	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>20,492,100</b>	<b>0</b>	<b>20,492,100</b>	<b>637,800</b>	<b>0</b>	<b>21,129,900</b>	<b>637,800</b>	<b>0</b>

**Schedule 13 Tax Reserves - Test Year 3 (2018)**

**Continuity of Reserves**

Description	Test Year 2 (2017)	Eliminate Amounts Not Relevant for Test Year 2	Adjusted Utility Balance	Test Year 3 Adjustments		Balance for Test Year 3	Change During the Year	Disallowed Expenses
				Additions	Disposals			
Capital Gains Reserves ss.40(1)	0		0			0	0	
<b>Tax Reserves Not Deducted for accounting purposes</b>								
Reserve for doubtful accounts ss. 20(1)(l)	0		0			0	0	
Reserve for goods and services not delivered ss. 20(1)(m)	0		0			0	0	
Reserve for unpaid amounts ss. 20(1)(n)	0		0			0	0	
Debt & Share Issue Expenses ss. 20(1)(e)	0		0			0	0	
Other tax reserves	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>								
General Reserve for Inventory Obsolescence (non-specific)	0		0			0	0	
General reserve for bad debts	0		0			0	0	
Accrued Employee Future Benefits:	0		0			0	0	
- Medical and Life Insurance	21,060,743		21,060,743	638,600		21,699,343	638,600	
-Short & Long-term Disability	0		0			0	0	
-Accumulated Sick Leave	0		0			0	0	
- Termination Cost	0		0			0	0	
- Other Post-Employment Benefits	0		0			0	0	
Provision for Environmental Costs	0		0			0	0	
Restructuring Costs	0		0			0	0	
Accrued Contingent Litigation Costs	0		0			0	0	
Accrued Self-Insurance Costs	0		0			0	0	
Other Contingent Liabilities	0		0			0	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157			69,157	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	0		0			0	0	
Other	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>21,129,900</b>	<b>0</b>	<b>21,129,900</b>	<b>638,600</b>	<b>0</b>	<b>21,768,500</b>	<b>638,600</b>	<b>0</b>

**Schedule 13 Tax Reserves - Test Year 4 (2019)**

**Continuity of Reserves**

Description	Test Year 3 (2018)	Eliminate Amounts Not Relevant for Test Year 3	Adjusted Utility Balance	Test Year 4 Adjustments		Balance for Test Year 4	Change During the Year	Disallowed Expenses
				Additions	Disposals			
Capital Gains Reserves ss.40(1)	0		0			0	0	
<b>Tax Reserves Not Deducted for accounting purposes</b>								
Reserve for doubtful accounts ss. 20(1)(l)	0		0			0	0	
Reserve for goods and services not delivered ss. 20(1)(m)	0		0			0	0	
Reserve for unpaid amounts ss. 20(1)(n)	0		0			0	0	
Debt & Share Issue Expenses ss. 20(1)(e)	0		0			0	0	
Other tax reserves	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>								
General Reserve for Inventory Obsolescence (non-specific)	0		0			0	0	
General reserve for bad debts	0		0			0	0	
Accrued Employee Future Benefits:	0		0			0	0	
- Medical and Life Insurance	21,699,343		21,699,343	639,400		22,338,743	639,400	
-Short & Long-term Disability	0		0			0	0	
-Accumulated Sick Leave	0		0			0	0	
- Termination Cost	0		0			0	0	
- Other Post-Employment Benefits	0		0			0	0	
Provision for Environmental Costs	0		0			0	0	
Restructuring Costs	0		0			0	0	
Accrued Contingent Litigation Costs	0		0			0	0	
Accrued Self-Insurance Costs	0		0			0	0	
Other Contingent Liabilities	0		0			0	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157			69,157	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	0		0			0	0	
Other	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>21,768,500</b>	<b>0</b>	<b>21,768,500</b>	<b>639,400</b>	<b>0</b>	<b>22,407,900</b>	<b>639,400</b>	<b>0</b>

**Schedule 13 Tax Reserves - Test Year 5 (2020)**

**Continuity of Reserves**

Description	Test Year 4 (2019)	Eliminate Amounts Not Relevant for Test Year 4	Adjusted Utility Balance	Test Year 5 Adjustments		Balance for Test Year 5	Change During the Year	Disallowed Expenses
				Additions	Disposals			
Capital Gains Reserves ss.40(1)	0		0			0	0	
<b>Tax Reserves Not Deducted for accounting purposes</b>								
Reserve for doubtful accounts ss. 20(1)(l)	0		0			0	0	
Reserve for goods and services not delivered ss. 20(1)(m)	0		0			0	0	
Reserve for unpaid amounts ss. 20(1)(n)	0		0			0	0	
Debt & Share Issue Expenses ss. 20(1)(e)	0		0			0	0	
Other tax reserves	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Financial Statement Reserves (not deductible for Tax Purposes)</b>								
General Reserve for Inventory Obsolescence (non-specific)	0		0			0	0	
General reserve for bad debts	0		0			0	0	
Accrued Employee Future Benefits:	0		0			0	0	
- Medical and Life Insurance	22,338,743		22,338,743	640,200		22,978,943	640,200	
-Short & Long-term Disability	0		0			0	0	
-Accumulated Sick Leave	0		0			0	0	
- Termination Cost	0		0			0	0	
- Other Post-Employment Benefits	0		0			0	0	
Provision for Environmental Costs	0		0			0	0	
Restructuring Costs	0		0			0	0	
Accrued Contingent Litigation Costs	0		0			0	0	
Accrued Self-Insurance Costs	0		0			0	0	
Other Contingent Liabilities	0		0			0	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	69,157		69,157			69,157	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	0		0			0	0	
Other	0		0			0	0	
	0		0			0	0	
<b>Total</b>	<b>22,407,900</b>	<b>0</b>	<b>22,407,900</b>	<b>640,200</b>	<b>0</b>	<b>23,048,100</b>	<b>640,200</b>	<b>0</b>









# Income Tax/PILs Workform for 2016 Custom IR

## PILs Tax Provision - Test Year 1 (2016)

						<b>Wires Only</b>	
<b>Regulatory Taxable Income</b>						-\$ 13,972,187 <b>A</b>	
<b>Ontario Income Taxes</b>							
<i>Income tax payable</i>	<b>Ontario Income Tax</b>	4.50%	<b>B</b>	\$ -		<b>C = A * B</b>	
<i>Small business credit</i>	Ontario Small Business Threshold Rate reduction	\$ - -7.00%	<b>D</b> <b>E</b>	\$ -		<b>F = D * E</b>	
<i>Ontario Income tax</i>						\$ - <b>J = C + F</b>	
<b>Combined Tax Rate and PILs</b>							
		Effective Ontario Tax Rate		11.50%	<b>K = J / A</b>		
		Federal tax rate		15.00%	<b>L</b>		
		Combined tax rate				26.50%	<b>M = K + L</b>
<b>Total Income Taxes</b>						-\$ 3,702,630 <b>N = A * M</b>	
Investment Tax Credits						\$ 605,593	<b>O</b>
Miscellaneous Tax Credits						\$ 516,000	<b>P</b>
<b>Total Tax Credits</b>						\$ 1,121,593	<b>Q = O + P</b>
<b>Corporate PILs/Income Tax Provision for Test Year</b>						-\$ 4,824,223 <b>R = N - Q</b>	
Corporate PILs/Income Tax Provision Gross Up <sup>1</sup>				73.50%	<b>S = 1 - M</b>	-\$ 1,739,346	<b>T = R / S - R</b>
<b>Income Tax (grossed-up)</b>						-\$ 6,563,568 <b>U = R + T</b>	

## PILs Tax Provision - Test Year 2 (2017)

**Wires Only**

**Regulatory Taxable Income**

\$ 14,139,171 **A**

**Ontario Income Taxes**

*Income tax payable*

Ontario Income Tax

11.50% **B**

\$ 1,626,005 **C = A \* B**

*Small business credit*

Ontario Small Business Threshold  
 Rate reduction

\$ 500,000 **D**  
 -7.00% **E**

**F = D \* E**

*Ontario Income tax*

\$ 1,626,005 **J = C + F**

**Combined Tax Rate and PILs**

Effective Ontario Tax Rate  
 Federal tax rate  
 Combined tax rate

11.50%  
 15.00%

**K = J / A**  
**L**

26.50% **M = K + L**

**Total Income Taxes**

\$ 3,746,880 **N = A \* M**

Investment Tax Credits

\$ 605,593 **O**

Miscellaneous Tax Credits

\$ 526,400 **P**

**Total Tax Credits**

\$ 1,131,993 **Q = O + P**

**Corporate PILs/Income Tax Provision for Test Year**

\$ 2,614,887 **R = N - Q**

Corporate PILs/Income Tax Provision Gross Up <sup>1</sup>

73.50%

**S = 1 - M**

\$ 942,782 **T = R / S - R**

**Income Tax** (grossed-up)

\$ 3,557,670 **U = R + T**

# 2016 Cost Allocation Model

**EB-2015-0003**

**Sheet I6.1 Revenue Worksheet -**

Total kWhs from Load Forecast	8,469,035,571
-------------------------------	---------------

Total kW from Load Forecast	12,505,119
-----------------------------	------------

Deficiency/sufficiency ( RRWF 8. cell F51)	- 15,962,118
--	--------------

Miscellaneous Revenue (RRWF 5. cell F48)	12,590,603
--	------------

			1	2	3	6	7	8	9
	ID	Total	Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>Billing Data</b>									
Forecast kWh	CEN	8,469,035,571	2,714,896,670	1,038,581,794	4,576,806,248	76,536,992	47,666,024	378,095	14,169,748
Forecast kW	CDEM	12,505,119			12,220,067	150,807	133,270	975	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		3,737,149			3,586,342	150,807			
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-							
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	8,469,035,571	2,714,896,670	1,038,581,794	4,576,806,248	76,536,992	47,666,024	378,095	14,169,748
Existing Monthly Charge			\$12.67	\$26.08	\$138.48	\$5,966.29	\$1.26	\$3.41	\$7.01
Existing Distribution kWh Rate			\$0.0140	\$0.0139					\$0.0159
Existing Distribution kW Rate					\$3.3278	\$1.4159	\$6.6546	\$8.0172	

Existing TOA Rate					\$0.60	\$0.60			
Additional Charges									
Distribution Revenue from Rates		\$164,034,812	\$87,473,969	\$24,576,765	\$48,916,023	\$356,718	\$2,219,325	\$16,351	\$475,661
Transformer Ownership Allowance		\$2,242,289	\$0	\$0	\$2,151,805	\$90,484	\$0	\$0	\$0
Net Class Revenue	<b>CREV</b>	\$161,792,522	\$87,473,969	\$24,576,765	\$46,764,217	\$266,234	\$2,219,325	\$16,351	\$475,661

# 2016 Cost Allocation Model

**EB-2015-0003**

**Sheet I6.2 Customer Data Worksheet -**

		1	2	3	6	7	8	9	
	ID	Total	Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>Billing Data</b>									
Bad Debt 3 Year Historical Average	BDHA	\$989,281	\$614,527	\$75,442	\$299,313	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$1,015,519	\$657,712	\$75,309	\$282,498				
Number of Bills	CNB	2,531,806	2,046,093	388,822	59,576	24	441	1,343	35,507
Number of Devices	CDEV						88,126		
Number of Connections (Unmetered)	CCON	33,784					30,599	209	2,976
Total Number of Customers	CCA	365,834	325,345	32,402	4,965	2	43	101	2,976
Bulk Customer Base	CCB	365,834	325,345	32,402	4,965	2	43	101	2,976
Primary Customer Base	CCP	374,726	325,345	32,402	4,965	1	8,937	101	2,976
Line Transformer Customer Base	CCLT	374,361	325,345	32,402	4,600		8,937	101	2,976
Secondary Customer Base	CCS	330,445	314,190	14,760			24	101	1,370
Weighted - Services	CWCS	314,190	314,190	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	96,491,674	63,596,341	20,509,799	12,331,533	54,000	-	-	-
Weighted Meter Reading	CWMR	3,915,039	2,344,430	417,752	1,152,498	360	-	-	-
Weighted Bills	CWNB	3,277,652	2,046,093	777,644	417,032	360	882	134	35,507

**Bad Debt Data**

Historic Year:	2012	1,043,927	676,110	77,416	290,401				
Historic Year:	2013	938,021	569,210	72,602	296,210				
Historic Year:	2014	985,895	598,261	76,307	311,328				
Three-year average		989,281	614,527	75,442	299,313	-	-	-	-

# 2016 Cost Allocation Model

**EB-2015-0003**

**Sheet IS Demand Data Worksheet -**

This is an input sheet for demand allocators.

<b>CP TEST RESULTS</b>	<b>4 CP</b>
<b>NCP TEST RESULTS</b>	<b>4 NCP</b>
<b>Co-incident Peak</b>	<b>Indicator</b>
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12
<b>Non-co-incident Peak</b>	<b>Indicator</b>
1 NCP	NCP 1
4 NCP	NCP 4
12 NCP	NCP 12

Customer Classes	Total	1	2	3	6	7	8	9
		Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>CO-INCIDENT PEAK</b>								
<b>1 CP</b>								
Transformation CP	TCP1	1,641,487	561,374	282,250	787,285	9,269	-	1,308
Bulk Delivery CP	BCP1	1,641,487	561,374	282,250	787,285	9,269	-	1,308
Total Sytem CP	DCP1	1,641,487	561,374	282,250	787,285	9,269	-	1,308
<b>4 CP</b>								
Transformation CP	TCP4	6,122,186	2,021,721	1,005,095	3,056,294	33,975	-	5,102
Bulk Delivery CP	BCP4	6,122,186	2,021,721	1,005,095	3,056,294	33,975	-	5,102
Total Sytem CP	DCP4	6,122,186	2,021,721	1,005,095	3,056,294	33,975	-	5,102
<b>12 CP</b>								
Transformation CP	TCP12	16,317,012	5,698,174	2,317,452	8,120,642	99,442	61,773	427
Bulk Delivery CP	BCP12	16,317,012	5,698,174	2,317,452	8,120,642	99,442	61,773	427
Total Sytem CP	DCP12	16,317,012	5,698,174	2,317,452	8,120,642	99,442	61,773	427
<b>NON CO. INCIDENT PEAK</b>								
<b>1 NCP</b>								
Classification NCP from Load Data Provider	DNCP1	1,793,528	652,299	282,250	826,485	12,451	17,336	132
Primary NCP	PNCP1	1,788,893	652,299	282,250	826,485	7,816	17,336	132
Line Transformer NCP	LTNCP1	1,524,618	652,299	282,250	570,025		17,336	132
Secondary NCP	SNCP1	652,430	652,299					132
<b>4 NCP</b>								
Classification NCP from Load Data Provider	DNCP4	6,705,342	2,414,983	1,037,847	3,125,889	49,693	66,336	500
Primary NCP	PNCP4	6,681,804	2,414,983	1,037,847	3,125,889	26,155	66,336	500
Line Transformer NCP	LTNCP4	5,685,683	2,414,983	1,037,847	2,155,923		66,336	500
Secondary NCP	SNCP4	2,415,484	2,414,983					500
<b>12 NCP</b>								
Classification NCP from Load Data Provider	DNCP12	17,912,308	6,363,781	2,541,930	8,670,428	146,184	161,953	1,168
Primary NCP	PNCP12	17,847,714	6,363,781	2,541,930	8,670,428	81,590	161,953	1,168
Line Transformer NCP	LTNCP12	15,075,682	6,363,781	2,541,930	5,979,987		161,953	1,168
Secondary NCP	SNCP12	6,364,948	6,363,781					1,168

# 2016 Cost Allocation Model

**EB-2015-0003**  
**Sheet O1 Revenue to Cost Summary Worksheet -**

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

**Class Revenue, Cost Analysis, and Return on Rate Base**

Rate Base	Total	1	2	3	6	7	8	9
		Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>Assets</b>								
<b>crev</b> Distribution Revenue at Existing Rates	\$161,792,522	\$87,473,969	\$24,576,765	\$46,764,217	\$266,234	\$2,219,325	\$16,351	\$475,661
<b>mi</b> Miscellaneous Revenue (mi)	\$12,590,603	\$7,573,707	\$1,870,775	\$2,902,569	\$14,346	\$167,842	\$1,626	\$59,738
<b>Miscellaneous Revenue Input equals Output</b>								
<b>Total Revenue at Existing Rates</b>	<b>\$174,383,125</b>	<b>\$95,047,676</b>	<b>\$26,447,539</b>	<b>\$49,666,786</b>	<b>\$280,580</b>	<b>\$2,387,168</b>	<b>\$17,977</b>	<b>\$535,399</b>
Factor required to recover deficiency (1 + D)	1.0987							
Distribution Revenue at Status Quo Rates	\$177,754,642	\$96,103,972	\$27,001,458	\$51,377,879	\$292,500	\$2,438,280	\$17,964	\$522,589
Miscellaneous Revenue (mi)	\$12,590,603	\$7,573,707	\$1,870,775	\$2,902,569	\$14,346	\$167,842	\$1,626	\$59,738
<b>Total Revenue at Status Quo Rates</b>	<b>\$190,345,244</b>	<b>\$103,677,679</b>	<b>\$28,872,233</b>	<b>\$54,280,448</b>	<b>\$306,846</b>	<b>\$2,606,122</b>	<b>\$19,590</b>	<b>\$582,327</b>
<b>Expenses</b>								
<b>di</b> Distribution Costs (di)	\$27,521,343	\$13,547,625	\$3,721,623	\$9,787,211	\$78,498	\$314,441	\$4,055	\$67,888
<b>cu</b> Customer Related Costs (cu)	\$24,014,908	\$15,641,927	\$4,710,533	\$3,253,721	\$3,794	\$225,435	\$2,099	\$177,400
<b>ad</b> General and Administration (ad)	\$42,686,919	\$24,076,735	\$6,948,833	\$10,940,035	\$70,519	\$446,346	\$5,126	\$199,325
<b>dep</b> Depreciation and Amortization (dep)	\$47,222,462	\$24,993,261	\$6,823,828	\$14,755,543	\$115,716	\$428,663	\$5,881	\$99,569
<b>INPUT</b> PILs (INPUT)	(\$6,562,945)	(\$3,299,397)	(\$926,700)	(\$2,236,298)	(\$19,068)	(\$65,323)	(\$901)	(\$15,259)
<b>INT</b> Interest	\$23,164,512	\$11,645,522	\$3,270,871	\$7,893,217	\$67,303	\$230,562	\$3,181	\$53,857
<b>Total Expenses</b>	<b>\$158,047,198</b>	<b>\$86,605,673</b>	<b>\$24,548,988</b>	<b>\$44,393,428</b>	<b>\$316,762</b>	<b>\$1,580,125</b>	<b>\$19,441</b>	<b>\$582,780</b>
<b>Direct Allocation</b>	<b>\$10,175</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,175</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>NI</b> Allocated Net Income (NI)	\$32,287,872	\$16,232,119	\$4,559,105	\$11,001,965	\$93,811	\$321,369	\$4,433	\$75,069
<b>Revenue Requirement (includes NI)</b>	<b>\$190,345,244</b>	<b>\$102,837,793</b>	<b>\$29,108,093</b>	<b>\$55,395,394</b>	<b>\$420,747</b>	<b>\$1,901,494</b>	<b>\$23,874</b>	<b>\$657,849</b>
<b>Revenue Requirement Input equals Output</b>								
<b>Rate Base Calculation</b>								
<b>Net Assets</b>								
<b>dp</b> Distribution Plant - Gross	\$1,279,527,063	\$658,353,435	\$179,261,053	\$422,281,208	\$3,301,400	\$13,103,977	\$181,739	\$3,044,251
<b>gp</b> General Plant - Gross	\$198,013,491	\$100,710,404	\$27,695,902	\$66,449,585	\$553,274	\$2,090,242	\$29,042	\$485,043
<b>accum dep</b> Accumulated Depreciation	(\$205,427,799)	(\$109,394,910)	(\$29,379,984)	(\$63,962,040)	(\$510,807)	(\$1,746,684)	(\$23,812)	(\$409,563)
<b>co</b> Capital Contribution	(\$352,390,470)	(\$186,451,585)	(\$47,883,230)	(\$112,061,431)	(\$760,992)	(\$4,209,744)	(\$59,387)	(\$964,102)
<b>Total Net Plant</b>	<b>\$919,722,285</b>	<b>\$463,217,344</b>	<b>\$129,693,741</b>	<b>\$312,707,322</b>	<b>\$2,582,875</b>	<b>\$9,237,792</b>	<b>\$127,582</b>	<b>\$2,155,629</b>
<b>Directly Allocated Net Fixed Assets</b>	<b>\$74,245</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$74,245</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>COP</b> Cost of Power (COP)	\$1,053,061,247	\$339,586,810	\$129,033,060	\$567,244,736	\$9,485,917	\$5,907,679	\$46,861	\$1,756,184
OM&A Expenses	\$93,659,169	\$52,702,287	\$15,380,989	\$23,980,967	\$152,811	\$986,222	\$11,280	\$444,613
Directly Allocated Expenses	\$366	\$0	\$0	\$0	\$366	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$1,146,720,782</b>	<b>\$392,289,097</b>	<b>\$144,414,049</b>	<b>\$591,225,703</b>	<b>\$9,639,095</b>	<b>\$6,893,901</b>	<b>\$58,140</b>	<b>\$2,200,797</b>
<b>Working Capital</b>	<b>\$86,004,059</b>	<b>\$29,421,682</b>	<b>\$10,831,054</b>	<b>\$44,341,928</b>	<b>\$722,932</b>	<b>\$517,043</b>	<b>\$4,361</b>	<b>\$165,060</b>
<b>Total Rate Base</b>	<b>\$1,005,800,589</b>	<b>\$492,639,026</b>	<b>\$140,524,795</b>	<b>\$357,049,250</b>	<b>\$3,380,053</b>	<b>\$9,754,834</b>	<b>\$131,943</b>	<b>\$2,320,688</b>
<b>Rate Base Input equals Output</b>								
<b>Equity Component of Rate Base</b>	<b>\$402,320,235</b>	<b>\$197,055,610</b>	<b>\$56,209,918</b>	<b>\$142,819,700</b>	<b>\$1,352,021</b>	<b>\$3,901,934</b>	<b>\$52,777</b>	<b>\$928,275</b>
<b>Net Income on Allocated Assets</b>	<b>\$32,287,872</b>	<b>\$17,072,005</b>	<b>\$4,323,245</b>	<b>\$9,887,019</b>	<b>(\$20,091)</b>	<b>\$1,025,997</b>	<b>\$149</b>	<b>(\$454)</b>
<b>Net Income on Direct Allocation Assets</b>	<b>\$3,064</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,064</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Net Income</b>	<b>\$32,290,936</b>	<b>\$17,072,005</b>	<b>\$4,323,245</b>	<b>\$9,887,019</b>	<b>(\$17,027)</b>	<b>\$1,025,997</b>	<b>\$149</b>	<b>(\$454)</b>
<b>RATIOS ANALYSIS</b>								
<b>REVENUE TO EXPENSES STATUS QUO%</b>	<b>100.00%</b>	<b>100.82%</b>	<b>99.19%</b>	<b>97.99%</b>	<b>72.93%</b>	<b>137.06%</b>	<b>82.06%</b>	<b>88.52%</b>
<b>EXISTING REVENUE MINUS ALLOCATED COSTS</b>	<b>(\$15,962,119)</b>	<b>(\$7,790,116)</b>	<b>(\$2,660,554)</b>	<b>(\$5,728,608)</b>	<b>(\$140,168)</b>	<b>\$485,674</b>	<b>(\$5,897)</b>	<b>(\$122,450)</b>
<b>Deficiency Input equals Output</b>								
<b>STATUS QUO REVENUE MINUS ALLOCATED COSTS</b>	<b>\$0</b>	<b>\$839,886</b>	<b>(\$235,861)</b>	<b>(\$1,114,946)</b>	<b>(\$113,901)</b>	<b>\$704,628</b>	<b>(\$4,284)</b>	<b>(\$75,522)</b>
<b>RETURN ON EQUITY COMPONENT OF RATE BASE</b>	<b>8.03%</b>	<b>8.66%</b>	<b>7.69%</b>	<b>6.92%</b>	<b>-1.26%</b>	<b>26.29%</b>	<b>0.28%</b>	<b>-0.05%</b>

# 2016 Cost Allocation Model

**EB-2015-0003**

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

Output sheet showing minimum and maximum level for  
 Monthly Fixed Charge

**Summary**

Customer Unit Cost per month - Avoided Cost  
 Customer Unit Cost per month - Directly Related  
 Customer Unit Cost per month - Minimum System  
 with PLCC Adjustment  
 Existing Approved Fixed Charge

	1	2	3	6	7	8	9
	Residential	GS <50	GS >50	Large User	Street Light	Sentinel	Unmetered Scattered Load
Customer Unit Cost per month - Avoided Cost	\$4.42	\$14.47	\$48.93	\$329.37	\$0.61	\$0.79	\$4.21
Customer Unit Cost per month - Directly Related	\$7.45	\$23.80	\$86.71	\$487.67	\$1.11	\$1.46	\$7.67
Customer Unit Cost per month - Minimum System with PLCC Adjustment	\$16.14	\$32.60	\$120.12	\$657.95	\$2.87	\$6.96	\$14.55
Existing Approved Fixed Charge	\$12.67	\$26.08	\$138.48	\$5,966.29	\$1.26	\$3.41	\$7.01



Ontario Energy Board

# 2016 Cost Allocation Model

**EB-2015-0003**

**Sheet O3.6 MicroFIT Charge Worksheet -**

**Instructions:**

More Instructions provided on the first tab in this workbook.

**ALLOCATION BY RATE CLASSIFICATION**

<b>Description</b>	<b>Residential</b>	<b>Monthly Unit Cost</b>
Customer Premises - Operations Labour (5070)	\$ 549,641.76	\$ 0.14
Customer Premises - Materials and Expenses (5075)	\$ 1,806,139.23	\$ 0.46
Meter Expenses (5065)	\$ 2,434,065.31	\$ 0.62
Maintenance of Meters (5175)	\$ -	\$ -
Meter Reading Expenses (5310)	\$ 864,859.03	\$ 0.22
Customer Billing (5315)	\$ 4,935,751.12	\$ 1.26
Amortization Expense - General Plant Assigned to Meters	\$ 641,224.55	\$ 0.16
Admin and General Expenses allocated to O&M expenses for meters	\$ 1,987,498.74	\$ 0.51
Allocated PILS (general plant assigned to meters)	-\$ 42,910.97	-\$ 0.01
Interest Expense	\$ 151,458.17	\$ 0.04
Income Expenses	\$ 211,110.08	\$ 0.05
<b>Total Cost</b>	<b>\$ 13,538,837.02</b>	<b>\$ 3.47</b>
<b>Number of Residential Customers</b>	<b>325344.75</b>	

# 2017 Cost Allocation Model

**EB-2015-0003**

**Sheet 16.1 Revenue Worksheet -**

Total kWhs from Load Forecast	8,424,812,745
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Total kW from Load Forecast	12,470,788
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Deficiency/sufficiency ( RRWF 8. cell F51)	- 25,314,505
--	--------------

Miscellaneous Revenue (RRWF 5. cell F48)	12,718,312
--	------------

		1	2	3	6	7	8	9	
	ID	Total	Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>Billing Data</b>									
Forecast kWh	CEN	8,424,812,745	2,689,802,037	1,031,991,524	4,566,530,904	75,964,677	45,603,291	377,900	14,542,413
Forecast kW	CDEM	12,470,788			12,192,632	149,679	127,503	975	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		3,727,970			3,578,291	149,679			
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-							
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	8,424,812,745	2,689,802,037	1,031,991,524	4,566,530,904	75,964,677	45,603,291	377,900	14,542,413
Existing Monthly Charge			\$13.92	\$28.75	\$138.48	\$5,758.58	\$1.20	\$3.76	\$7.73
Existing Distribution kWh Rate			\$0.0154	\$0.0153					\$0.0175
Existing Distribution kW Rate					\$3.7199	\$1.9666	\$6.3400	\$8.8369	
Existing TOA Rate					\$0.60	\$0.60			
Additional Charges									
Distribution Revenue from Rates		\$180,772,933	\$96,790,183	\$27,096,874	\$53,798,080	\$432,565	\$2,100,462	\$17,954	\$536,815
Transformer Ownership Allowance		\$2,236,782	\$0	\$0	\$2,146,974	\$89,807	\$0	\$0	\$0
Net Class Revenue	CREV	\$178,536,151	\$96,790,183	\$27,096,874	\$51,651,106	\$342,757	\$2,100,462	\$17,954	\$536,815

# 2016 Cost Allocation Model

**EB-2015-0003**

**Sheet I6.2 Customer Data Worksheet -**

			1	2	3	6	7	8	9
	ID	Total	Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>Billing Data</b>									
Bad Debt 3 Year Historical Average	BDHA	\$989,281	\$614,527	\$75,442	\$299,313	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$1,015,519	\$657,712	\$75,309	\$282,498				
Number of Bills	CNB	4,469,917	3,977,531	393,301	60,967	24	441	1,343	36,310
Number of Devices	CDEV						89,729		
Number of Connections (Unmetered)	CCON	34,407					31,156	207	3,044
Total Number of Customers	CCA	372,506	331,461	32,775	5,081	2	43	101	3,044
Bulk Customer Base	CCB	372,506	331,461	32,775	5,081	2	43	101	3,044
Primary Customer Base	CCP	380,389	331,461	32,775	5,081	1	7,927	101	3,044
Line Transformer Customer Base	CCLT	380,016	331,461	32,775	4,709		7,927	101	3,044
Secondary Customer Base	CCS	336,562	320,307	14,760			24	101	1,370
Weighted - Services	CWCS	320,307	320,307	-	-	-	-	-	-
Weighted Meter -Capital	CWMC	98,223,040	64,732,217	20,790,825	12,645,999	54,000	-	-	-
Weighted Meter Reading	CWMR	5,863,198	4,275,868	422,231	1,162,791	2,309	-	-	-
Weighted Bills	CWNB	5,228,588	3,977,531	786,602	426,769	360	882	134	36,310

**Bad Debt Data**

Historic Year:	2012	1,043,927	676,110	77,416	290,401				
Historic Year:	2013	938,021	569,210	72,602	296,210				
Historic Year:	2014	985,895	598,261	76,307	311,328				
Three-year average		989,281	614,527	75,442	299,313	-	-	-	-

**Street Lighting Adjustment Factors**

NCP Test Results	4 NCP
------------------	-------

Class	Primary Asset Data		Line Transformer Asset Data	
	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
Residential	331,461	2,404,983	331,461	2,404,983
Street Light	89,729	57,518	89,729	57,518

Street Lighting Adjustment Factors	
Primary	11.3190
Line Transformer	11.3190

# 2017 Cost Allocation Model

EB-2015-0003

**Sheet 18 Demand Data Worksheet -**

This is an input sheet for demand allocators.

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

Customer Classes	Total	1	2	3	6	7	8	9
		Residential	GS <50	GS>50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>CO-INCIDENT PEAK</b>								
<b>1 CP</b>								
Transformation CP	TCP1	1,637,748	559,050	280,744	787,412	9,200	-	1,343
Bulk Delivery CP	BCP1	1,637,748	559,050	280,744	787,412	9,200	-	1,343
Total Sytem CP	DCP1	1,637,748	559,050	280,744	787,412	9,200	-	1,343
<b>4 CP</b>								
Transformation CP	TCP4	6,108,826	2,013,349	999,730	3,056,789	33,721	-	5,236
Bulk Delivery CP	BCP4	6,108,826	2,013,349	999,730	3,056,789	33,721	-	5,236
Total Sytem CP	DCP4	6,108,826	2,013,349	999,730	3,056,789	33,721	-	5,236
<b>12 CP</b>								
Transformation CP	TCP12	16,273,910	5,674,579	2,305,083	8,121,958	98,699	53,561	427
Bulk Delivery CP	BCP12	16,273,910	5,674,579	2,305,083	8,121,958	98,699	53,561	427
Total Sytem CP	DCP12	16,273,910	5,674,579	2,305,083	8,121,958	98,699	53,561	427
<b>NON CO. INCIDENT PEAK</b>								
<b>1 NCP</b>								
Classification NCP from Load Data Provider	DNCP1	1,787,124	649,597	280,744	826,619	12,358	15,032	132
Primary NCP	PNCP1	1,784,829	649,597	280,744	826,619	7,758	17,336	132
Line Transformer NCP	LTNCP1	1,520,570	649,597	280,744	570,118		17,336	132
Secondary NCP	SNCP1	649,729	649,597					132
<b>4 NCP</b>								
Classification NCP from Load Data Provider	DNCP4	6,681,384	2,404,983	1,032,307	3,126,396	49,321	57,518	500
Primary NCP	PNCP4	6,658,023	2,404,983	1,032,307	3,126,396	25,960	57,518	500
Line Transformer NCP	LTNCP4	5,661,940	2,404,983	1,032,307	2,156,273		57,518	500
Secondary NCP	SNCP4	2,405,483	2,404,983					500
<b>12 NCP</b>								
Classification NCP from Load Data Provider	DNCP12	17,851,878	6,337,429	2,528,363	8,671,833	145,091	140,424	1,167
Primary NCP	PNCP12	17,787,767	6,337,429	2,528,363	8,671,833	80,980	140,424	1,167
Line Transformer NCP	LTNCP12	15,015,910	6,337,429	2,528,363	5,980,956		140,424	1,167
Secondary NCP	SNCP12	6,338,596	6,337,429					1,167

# 2017 Cost Allocation Model

**EB-2015-0003**  
**Sheet O1 Revenue to Cost Summary Worksheet -**

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

**Class Revenue, Cost Analysis, and Return on Rate Base**

Rate Base	Total	1	2	3	6	7	8	9
		Residential	GS <50	GS-50	Large User	Street Light	Sentinel	Unmetered Scattered Load
<b>Assets</b>								
<b>crev</b> Distribution Revenue at Existing Rates	\$178,536,151	\$96,790,183	\$27,096,874	\$51,651,106	\$342,757	\$2,100,462	\$17,954	\$536,815
<b>mi</b> Miscellaneous Revenue (mi)	\$12,718,312	\$3,207,880	\$1,586,740	\$2,701,087	\$13,763	\$158,953	\$1,525	\$48,364
		Miscellaneous Revenue Input equals Output						
<b>Total Revenue at Existing Rates</b>	<b>\$191,254,463</b>	<b>\$104,998,063</b>	<b>\$28,683,614</b>	<b>\$54,352,193</b>	<b>\$356,520</b>	<b>\$2,259,415</b>	<b>\$19,479</b>	<b>\$585,179</b>
Factor required to recover deficiency (1 + D)	1.1418							
Distribution Revenue at Status Quo Rates	\$203,850,657	\$110,513,990	\$30,938,919	\$58,974,677	\$391,357	\$2,388,285	\$20,500	\$612,930
Miscellaneous Revenue (mi)	\$12,718,312	\$3,207,880	\$1,586,740	\$2,701,087	\$13,763	\$158,953	\$1,525	\$48,364
<b>Total Revenue at Status Quo Rates</b>	<b>\$216,568,969</b>	<b>\$118,721,870</b>	<b>\$32,525,659</b>	<b>\$61,675,765</b>	<b>\$405,119</b>	<b>\$2,557,238</b>	<b>\$22,025</b>	<b>\$661,293</b>
<b>Expenses</b>								
<b>di</b> Distribution Costs (di)	\$27,319,275	\$13,431,943	\$3,684,678	\$9,778,133	\$78,129	\$274,146	\$3,965	\$68,282
<b>cu</b> Customer Related Costs (cu)	\$26,937,341	\$20,002,257	\$3,860,094	\$2,704,126	\$3,861	\$223,997	\$1,911	\$141,095
<b>ad</b> General and Administration (ad)	\$41,910,261	\$25,638,891	\$5,830,305	\$9,826,938	\$65,875	\$384,278	\$4,585	\$159,388
<b>dep</b> Depreciation and Amortization (dep)	\$50,968,937	\$26,826,881	\$7,342,201	\$16,143,816	\$125,918	\$412,730	\$6,370	\$111,020
<b>INPUT</b> PILs (INPUT)	\$3,557,361	\$1,776,760	\$500,052	\$1,229,581	\$10,420	\$31,534	\$489	\$8,525
<b>INT</b> Interest	\$25,587,377	\$12,779,874	\$3,596,775	\$8,844,130	\$74,948	\$226,819	\$3,515	\$61,317
<b>Total Expenses</b>	<b>\$176,280,551</b>	<b>\$100,456,607</b>	<b>\$24,814,105</b>	<b>\$48,526,725</b>	<b>\$359,152</b>	<b>\$1,553,503</b>	<b>\$20,834</b>	<b>\$549,626</b>
<b>Direct Allocation</b>	<b>\$11,563</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,563</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>NI</b> Allocated Net Income (NI)	\$40,276,855	\$20,116,682	\$5,661,650	\$13,921,463	\$117,976	\$357,033	\$5,532	\$96,518
<b>Revenue Requirement (includes NI)</b>	<b>\$216,568,969</b>	<b>\$120,573,289</b>	<b>\$30,475,755</b>	<b>\$62,448,188</b>	<b>\$488,691</b>	<b>\$1,910,536</b>	<b>\$26,367</b>	<b>\$646,144</b>
		Revenue Requirement Input equals Output						
<b>Rate Base Calculation</b>								
<b>Net Assets</b>								
<b>dp</b> Distribution Plant - Gross	\$1,404,036,703	\$719,627,649	\$196,169,989	\$468,290,240	\$3,647,349	\$12,690,062	\$197,659	\$3,413,755
<b>gp</b> General Plant - Gross	\$216,450,958	\$109,471,323	\$30,180,000	\$73,593,588	\$609,004	\$2,022,142	\$31,555	\$543,347
<b>accum dep</b> Accumulated Depreciation	(\$255,067,649)	(\$135,170,363)	(\$36,372,603)	(\$80,390,420)	(\$637,410)	(\$1,940,845)	(\$29,754)	(\$526,255)
<b>co</b> Capital Contribution	(\$372,497,809)	(\$197,038,224)	(\$50,950,376)	(\$119,048,154)	(\$800,519)	(\$3,903,075)	(\$61,900)	(\$1,035,561)
<b>Total Net Plant</b>	<b>\$892,922,204</b>	<b>\$496,830,385</b>	<b>\$139,427,010</b>	<b>\$342,445,254</b>	<b>\$2,818,425</b>	<b>\$8,868,284</b>	<b>\$137,561</b>	<b>\$2,395,285</b>
<b>Directly Allocated Net Fixed Assets</b>	<b>\$74,245</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$74,245</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>COP</b> Cost of Power (COP)	\$1,101,867,272	\$353,843,216	\$134,864,298	\$595,364,993	\$9,903,953	\$5,945,564	\$49,269	\$1,895,978
OM&A Expenses	\$95,581,877	\$58,488,091	\$13,375,078	\$22,309,197	\$147,865	\$882,420	\$10,461	\$368,765
Directly Allocated Expenses	\$366	\$0	\$0	\$0	\$366	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$1,197,449,515</b>	<b>\$412,331,307</b>	<b>\$148,239,376</b>	<b>\$617,674,191</b>	<b>\$10,052,185</b>	<b>\$6,827,984</b>	<b>\$59,730</b>	<b>\$2,264,743</b>
<b>Working Capital</b>	<b>\$89,808,714</b>	<b>\$30,924,848</b>	<b>\$11,117,953</b>	<b>\$46,325,564</b>	<b>\$753,914</b>	<b>\$512,099</b>	<b>\$4,480</b>	<b>\$169,856</b>
<b>Total Rate Base</b>	<b>\$1,082,805,162</b>	<b>\$527,755,233</b>	<b>\$150,544,963</b>	<b>\$388,770,819</b>	<b>\$3,646,584</b>	<b>\$9,380,382</b>	<b>\$142,040</b>	<b>\$2,565,141</b>
		Rate Base Input equals Output						
<b>Equity Component of Rate Base</b>	<b>\$433,122,065</b>	<b>\$211,102,093.10</b>	<b>\$60,217,985</b>	<b>\$155,508,327</b>	<b>\$1,458,633</b>	<b>\$3,752,153</b>	<b>\$56,816</b>	<b>\$1,026,056</b>
<b>Net Income on Allocated Assets</b>	<b>\$40,276,855</b>	<b>\$18,265,263</b>	<b>\$7,711,554</b>	<b>\$13,149,040</b>	<b>\$34,404</b>	<b>\$1,003,735</b>	<b>\$1,190</b>	<b>\$111,668</b>
<b>Net Income on Direct Allocation Assets</b>	<b>\$3,497</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,497</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Net Income</b>	<b>\$40,280,352</b>	<b>\$18,265,263</b>	<b>\$7,711,554</b>	<b>\$13,149,040</b>	<b>\$37,902</b>	<b>\$1,003,735</b>	<b>\$1,190</b>	<b>\$111,668</b>
<b>RATIOS ANALYSIS</b>								
<b>REVENUE TO EXPENSES STATUS QUO%</b>	<b>100.00%</b>	<b>98.46%</b>	<b>106.73%</b>	<b>98.76%</b>	<b>82.90%</b>	<b>133.85%</b>	<b>83.53%</b>	<b>102.34%</b>
<b>EXISTING REVENUE MINUS ALLOCATED COSTS</b>	<b>(\$25,314,506)</b>	<b>(\$15,575,226)</b>	<b>(\$1,792,141)</b>	<b>(\$8,095,995)</b>	<b>(\$132,171)</b>	<b>\$348,879</b>	<b>(\$6,888)</b>	<b>(\$60,965)</b>
		Deficiency Input equals Output						
<b>STATUS QUO REVENUE MINUS ALLOCATED COSTS</b>	<b>\$0</b>	<b>(\$1,851,419)</b>	<b>\$2,049,904</b>	<b>(\$772,423)</b>	<b>(\$83,572)</b>	<b>\$646,702</b>	<b>(\$4,342)</b>	<b>\$15,150</b>
<b>RETURN ON EQUITY COMPONENT OF RATE BASE</b>	<b>9.30%</b>	<b>8.65%</b>	<b>12.81%</b>	<b>8.46%</b>	<b>2.60%</b>	<b>26.75%</b>	<b>2.09%</b>	<b>10.88%</b>

# 2017 Cost Allocation Model

**EB-2015-0003**

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

**Summary**

Customer Unit Cost per month - Avoided Cost  
 Customer Unit Cost per month - Directly Related  
 Customer Unit Cost per month - Minimum System with PLCC Adjustment  
 Existing Approved Fixed Charge

	1	2	3	6	7	8	9
	Residential	GS <50	GS >50	Large User	Street Light	Sentinel	Unmetered Scattered Load
Customer Unit Cost per month - Avoided Cost	\$5.49	\$13.12	\$42.39	\$352.56	\$0.59	\$0.74	\$3.39
Customer Unit Cost per month - Directly Related	\$9.06	\$20.57	\$71.58	\$508.39	\$1.06	\$1.32	\$6.00
Customer Unit Cost per month - Minimum System with PLCC Adjustment	\$18.70	\$29.04	\$101.01	\$662.26	\$2.82	\$7.55	\$13.13
Existing Approved Fixed Charge	\$13.92	\$28.75	\$138.48	\$5,758.58	\$1.20	\$3.76	\$7.73



Ontario Energy Board

# 2017 Cost Allocation Model

**EB-2015-0003**

**Sheet O3.6 MicroFIT Charge Worksheet -**

**Instructions:**

More Instructions provided on the first tab in this workbook.

**ALLOCATION BY RATE CLASSIFICATION**

<b>Description</b>	<b>Residential</b>	<b>Monthly Unit Cost</b>
Customer Premises - Operations Labour (5070)	\$ 578,921.04	\$ 0.15
Customer Premises - Materials and Expenses (5075)	\$ 1,773,242.84	\$ 0.45
Meter Expenses (5065)	\$ 2,536,451.46	\$ 0.64
Maintenance of Meters (5175)	\$ -	\$ -
Meter Reading Expenses (5310)	\$ 1,011,235.33	\$ 0.25
Customer Billing (5315)	\$ 8,528,272.39	\$ 2.14
Amortization Expense - General Plant Assigned to Meters	\$ 610,010.64	\$ 0.15
Admin and General Expenses allocated to O&M expenses for meters	\$ 1,840,386.56	\$ 0.46
Allocated PILS (general plant assigned to meters)	\$ 18,681.54	\$ 0.00
Interest Expense	\$ 134,372.54	\$ 0.03
Income Expenses	\$ 211,514.58	\$ 0.05
<b>Total Cost</b>	<b>\$ 17,243,088.91</b>	<b>\$ 4.34</b>
<b>Number of Residential Customers</b>	<b>331460.9167</b>	



POWERSTREAM  
 2016 EDR Model

2016

2017

Revenue to Cost Ratios by Customer Class

	2013 EDR Final Approved	2016 EDR CA model at "status quo" rates	OEB PROPOSED RANGE		Proposed per Settlement	2017 EDR CA model at "status quo" rates	OEB PROPOSED RANGE		Proposed per Settlement
	2013	2016	Low	High	2016	2017	Low	High	2017
<b>Revenue /Expenses Ratio</b>									
Residential	102.1%	100.8%	85%	115%	100.8%	98.5%	85%	115%	98.6%
GS Less Than 50 kW	98.0%	99.2%	80%	120%	99.5%	106.7%	80%	120%	106.7%
GS 50 to 4,999 kW	98.0%	98.0%	80%	120%	98.3%	98.8%	80%	120%	98.9%
GS 50 to 4,999 kW Legacy									
Large Use	85.0%	72.9%	85%	115%	85.2%	82.9%	85%	115%	85.4%
Unmetered Scattered Load	102.4%	88.5%	80%	120%	88.8%	102.3%	80%	120%	102.3%
Sentinel Lighting	95.0%	82.1%	80%	120%	82.3%	83.5%	80%	120%	83.6%
Street Lighting	89.7%	137.1%	70%	120%	120.0%	133.8%	70%	120%	120.0%
<b>Costs Allocated (Line 40, CA model)</b>									
	2013 EDR Final Approved	2016 EDR CA model at "status quo" rates			Proposed per Settlement	2017 EDR CA model at "status quo" rates			Proposed per Settlement
	2013	2016			2016	2017			2017
Residential	\$86,596,037	102,837,793			102,837,793	120,573,289			120,573,289
GS Less Than 50 kW	\$25,700,411	29,108,093			29,108,093	30,475,755			30,475,755
GS 50 to 4,999 kW	\$48,128,504	55,395,394			55,395,394	62,448,188			62,448,188
GS 50 to 4,999 kW Legacy	\$0								
Large Use	\$347,235	420,747			420,747	488,691			488,691
Unmetered Scattered Load	\$460,065	657,849			657,849	646,144			646,144
Sentinel Lighting	\$16,178	23,874			23,874	26,367			26,367
Street Lighting	\$2,820,943	1,901,494			1,901,494	1,910,536			1,910,536
	<b>\$164,069,372</b>	<b>\$190,345,244</b>			<b>\$190,345,244</b>	<b>\$216,568,969</b>			<b>\$216,568,969</b>
(1)									
	2013 EDR Final Approved	2016 EDR CA model at "status quo" rates			Proposed per Settlement	2017 EDR CA model at "status quo" rates			Proposed per Settlement
	2013	2016			2016	2017			2017
<b>Total Revenue requirement</b>									
<i>should match tab O1, Line 25</i>									
Residential	\$88,385,381	103,677,679			\$103,677,679	\$118,721,870			\$118,886,565
GS Less Than 50 kW	\$25,192,671	\$28,872,233			\$28,965,475	\$32,525,659			\$32,525,659
GS 50 to 4,999 kW	\$47,178,714	\$54,280,448			\$54,457,868	\$61,675,765			\$61,763,653
GS 50 to 4,999 kW Legacy	\$0	\$0			\$0	\$0			\$0
Large Use	\$295,195	\$306,846			\$358,645	\$405,119			\$417,115
Unmetered Scattered Load	\$471,048	\$582,327			\$584,131	\$661,293			\$661,293
Sentinel Lighting	\$15,374	\$19,590			\$19,652	\$22,025			\$22,055
Street Lighting	\$2,530,990	\$2,606,122			\$2,281,792	\$2,557,238			\$2,292,629
	<b>\$164,069,372</b>	<b>\$190,345,244</b>			<b>\$190,345,244</b>	<b>\$216,568,969</b>			<b>\$216,568,969</b>
(2)									
	2013 EDR Final Approved	2016 EDR CA model at "status quo" rates			Proposed per Settlement	2017 EDR CA model at "status quo" rates			Proposed per Settlement
	2013	2016			2016	2017			2017
<b>Miscellaneous revenue</b>									
<i>tab O1, Line 19</i>									
Residential	\$5,504,684	7,573,707			7,573,707	8,207,880			8,207,880
GS Less Than 50 kW	\$1,525,361	1,870,775			1,870,775	1,586,740			1,586,740
GS 50 to 4,999 kW	\$2,600,502	2,902,569			2,902,569	2,701,087			2,701,087
GS 50 to 4,999 kW Legacy	\$0	\$0							
Large Use	\$9,115	14,346			14,346	13,763			13,763
Unmetered Scattered Load	\$40,668	59,738			59,738	48,364			48,364
Sentinel Lighting	\$898	1,626			1,626	1,525			1,525
Street Lighting	\$163,372	167,842			167,842	158,953			158,953
	<b>\$9,844,600</b>	<b>\$12,590,603</b>			<b>\$12,590,603</b>	<b>\$12,718,312</b>			<b>\$12,718,312</b>
<b>Distribution Revenue Requirement</b>									
	2013 EDR Final Approved	2016 EDR CA model at "status quo" rates	Distribution revenue re-allocation		Proposed per Settlement	2017 EDR CA model at "status quo" rates	Distribution revenue re-allocation		Proposed per Settlement
	2013	2016	2016		2016	2017	2017		2017
<i>tab O1, Line 23</i>									
Residential	\$82,880,697	\$96,103,972			\$96,103,972	\$110,513,990	164,695		\$110,678,685
GS Less Than 50 kW	\$23,667,311	\$27,001,458	93,243		\$27,094,701	\$30,938,919			\$30,938,919
GS 50 to 4,999 kW	\$44,578,212	\$51,377,879	177,421		\$51,555,300	\$58,974,677	87,888		\$59,062,565
GS 50 to 4,999 kW Legacy	\$0				\$0				\$0
Large Use	\$286,079	\$292,500	51,799		\$344,300	\$391,357	11,995		\$403,352
Unmetered Scattered Load	\$430,380	\$522,589	1,805		\$524,394	\$612,930			\$612,930
Sentinel Lighting	\$14,476	\$17,964	62		\$18,026	\$20,500	31		\$20,530
Street Lighting	\$2,367,618	\$2,438,280	(324,330)		\$2,113,950	\$2,398,285	-264608.674		\$2,133,676
<b>Total</b>	<b>\$154,224,772</b>	<b>\$177,754,642</b>	<b>-</b>		<b>\$177,754,642</b>	<b>\$203,850,657</b>	<b>0</b>		<b>\$203,850,657</b>

<b>Year</b>	<b>2016</b>
<b>Rate Effective Date</b>	<b>January</b>
<b>Last Month under Old Rates</b>	<b>September</b>
<b>Recovery Period</b>	<b>3</b>
<b>Base for Forgone RR Calculation</b>	<b>January - September 2016</b>

	<b>Fixed RR</b>	<b>Variable RR</b>
Residential	<b>\$6.32</b>	<b>\$0.0000</b>
GS<50 kW	<b>\$7.55</b>	<b>\$0.0040</b>
GS>50 kW	<b>-\$2.13</b>	<b>\$1.1617</b>
Large Use	<b>-\$715.92</b>	<b>\$1.6171</b>
Unmetered (USL)	<b>\$2.02</b>	<b>\$0.0044</b>
Sentinel Lighting	<b>\$1.00</b>	<b>\$2.2822</b>
Street Lighting	<b>-\$0.21</b>	<b>-\$0.7930</b>



PowerStream 2016 CIR - Draft Rate Order

**Foregone Distribution Revenue (January - September 2016)**  
**Calculation of Foregone Revenue Rate Rider**

**FIXED & VARIABLE RATE RIDERS**  
 Res - Fixed Only

Foregone Distribution Revenue Recovery Period 3 months

FIXED COMPONENT						VALIDATION		
Rate Class	Revenue at Approved Rates	Revenue at Interim Rates	Revenue Under(over)	Customers / Connections	Oct-Dec 2016 Rate Rider	rounded	amount	variance
Residential	\$ 73,252,349	\$ 67,054,285	\$6,198,064	327,111	\$6.32	\$6.32	\$ 6,202,031	\$ 3,967
GS<50 kW	\$ 8,371,971	\$ 7,635,238	\$736,733	32,541	\$7.55	\$7.55	\$ 737,054	\$ 320
GS>50 kW	\$ 6,168,730	\$ 6,200,803	\$(32,073)	5,010	\$(2.13)	\$(2.13)	\$ 32,014	\$ 59
Large Use	\$ 103,654	\$ 107,950	\$(4,296)	2	\$(715.92)	\$(715.92)	\$ 4,296	\$ -
Unmetered (USL)	\$ 206,499	\$ 188,334	\$18,166	3,000	\$2.02	\$2.02	\$ 18,182	\$ 17
Sentinel Lighting	\$ 7,073	\$ 6,452	\$621	207	\$1.00	\$1.00	\$ 621	\$ 0
Street Lighting	\$ 949,612	\$ 1,005,006	\$(55,394)	88,723	\$(0.21)	\$(0.21)	\$ 55,896	\$ 502
<b>Total</b>	<b>\$ 89,059,888</b>	<b>\$ 82,198,067</b>	<b>\$6,861,821</b>	<b>456,595</b>			<b>\$ 6,865,682</b>	<b>\$ 3,861</b>

VARIABLE COMPONENT						VALIDATION		
Rate Class	Revenue at Approved Rates	Revenue at Interim Rates	Revenue Under(over)	kWhs/kWs	Oct-Dec 2016 Rate Rider			
Residential						\$0.0000	\$ -	\$ -
GS<50 kW	\$ 12,012,674	\$ 10,991,989	\$1,020,685	253,439,715	\$0.0040	\$0.0040	\$ 1,013,759	\$ 6,926
GS>50 kW	\$ 34,368,902	\$ 30,906,049	\$3,462,852	2,980,866	\$1.1617	\$1.1617	\$ 3,462,872	\$ 20
Large Use	\$ 221,982	\$ 160,645	\$61,337	37,930	\$1.6171	\$1.6171	\$ 61,337	\$ 0
Unmetered (USL)	\$ 184,758	\$ 168,922	\$15,836	3,612,126	\$0.0044	\$0.0044	\$ 15,893	\$ 57
Sentinel Lighting	\$ 6,427	\$ 5,861	\$566	248	\$2.2822	\$2.2822	\$ 566	\$ 0
Street Lighting	\$ 586,675	\$ 618,979	\$(32,304)	40,735	\$(0.7930)	\$(0.7930)	\$ 32,302	\$ 2
<b>Total</b>	<b>\$ 47,381,419</b>	<b>\$ 42,852,447</b>	<b>\$4,528,972</b>	<b>260,111,621</b>			<b>\$ 4,522,125</b>	<b>\$ 6,847</b>

Revenue at Approved Rates - PowerStream (A) \$ 11,390,793 Collection Period 9 months \$ 2,986 \$ 2,986

Rate Class	Unit	Billing Determinants		Approved Rates		Distribution Revenue at Approved Rates		
		Fixed	Variable	Fixed	Variable	Fixed	Variable	Total
Residential	kWh	324,756	2,114,735,776	\$ 13.92	\$ 0.0154	\$ 40,685,418	\$ 32,566,931	\$ 73,252,349
GS<50 kW	kWh	32,355	785,142,079	\$ 28.75	\$ 0.0153	\$ 8,371,971	\$ 12,012,674	\$ 20,384,645
GS>50 kW	kW	4,950	9,239,200	\$ 138.48	\$ 3.7199	\$ 6,168,730	\$ 34,368,902	\$ 40,537,632
Large Use	kW	2	112,876	\$ 5,758.58	\$ 1.9666	\$ 103,654	\$ 221,982	\$ 325,637
Unmetered (USL)	kWh	2,968	10,557,621	\$ 7.73	\$ 0.0175	\$ 206,499	\$ 184,758	\$ 391,258
Sentinel Lighting	kW	209	727	\$ 3.76	\$ 8.8369	\$ 7,073	\$ 6,427	\$ 13,500
Street Lighting	kW	87,927	92,536	\$ 1.20	\$ 6.3400	\$ 949,612	\$ 586,675	\$ 1,536,287
<b>Total</b>						<b>\$ 56,492,957</b>	<b>\$ 79,948,350</b>	<b>\$ 136,441,307</b>

**Revenue at Interim Rates - PowerStream (B)**

Rate Class	Unit	Billing Determinants		Interim Rates		Distribution Revenue at Interim Rates		
		Fixed	Variable	Fixed	Variable	Fixed	Variable	Total
Residential	kWh	324,756	2,114,735,776	\$ 12.74	\$ 0.0141	\$ 37,236,510	\$ 29,817,774	\$ 67,054,285
GS<50 kW	kWh	32,355	785,142,079	\$ 26.22	\$ 0.0140	\$ 7,635,238	\$ 10,991,989	\$ 18,627,227
GS>50 kW	kW	4,950	9,239,200	\$ 139.20	\$ 3.3451	\$ 6,200,803	\$ 30,906,049	\$ 37,106,853
Large Use	kW	2	112,876	\$ 5,997.22	\$ 1.4232	\$ 107,950	\$ 160,645	\$ 268,595
Unmetered (USL)	kWh	2,968	10,557,621	\$ 7.05	\$ 0.0160	\$ 188,334	\$ 168,922	\$ 357,256
Sentinel Lighting	kW	209	727	\$ 3.43	\$ 8.0588	\$ 6,452	\$ 5,861	\$ 12,313
Street Lighting	kW	87,927	92,536	\$ 1.27	\$ 6.6891	\$ 1,005,006	\$ 618,979	\$ 1,623,985
<b>Total</b>						<b>\$ 52,380,292</b>	<b>\$ 72,670,221</b>	<b>\$ 125,050,513</b>

Foregone Revenue (A - B) \$ 4,112,665 \$ 7,278,129 \$ 11,390,793



PowerStream 2016 CIR - Draft Rate Order

**Foregone Distribution Revenue (January - September 2016)  
 Interim and Approved Rates**

Interim Rates

Rate Class	Unit	Interim Rates		Fixed		Variable	
		Fixed	Variable	Base Rate	ICM	Base Rate	ICM
Residential	kWh	\$ 12.74	\$ 0.0141	\$ 12.67	\$ 0.07	\$ 0.0140	\$ 0.0001
GS<50 kW	kWh	\$ 26.22	\$ 0.0140	\$ 26.08	\$ 0.14	\$ 0.0139	\$ 0.0001
GS>50 kW	kW	\$ 139.20	\$ 3.3451	\$ 138.48	\$ 0.72	\$ 3.3278	\$ 0.0173
Large Use	kW	\$ 5,997.22	\$ 1.4232	\$ 5,966.29	\$ 30.93	\$ 1.4159	\$ 0.0073
Unmetered (USL)	kWh	\$ 7.05	\$ 0.0160	\$ 7.01	\$ 0.04	\$ 0.0159	\$ 0.0001
Sentinel Lighting	kW	\$ 3.43	\$ 8.0588	\$ 3.41	\$ 0.02	\$ 8.0172	\$ 0.0416
Street Lighting	kW	\$ 1.27	\$ 6.6891	\$ 1.26	\$ 0.01	\$ 6.6546	\$ 0.0345

2016 Approved Rates - PowerStream

**2016 Revenue Requirement Adjustment rates**

Rate Class	Unit	New Rates		Fixed		Variable	
		Fixed	Variable	Base Rate		Base Rate	
Residential	kWh	\$ 13.92	\$ 0.0154	\$ 13.92		\$ 0.0154	
GS<50 kW	kWh	\$ 28.75	\$ 0.0153	\$ 28.75		\$ 0.0153	
GS>50 kW	kW	\$ 138.48	\$ 3.7199	\$ 138.48		\$ 3.7199	
Large Use	kW	\$ 5,758.58	\$ 1.9666	\$ 5,758.58		\$ 1.9666	
Unmetered (USL)	kWh	\$ 7.73	\$ 0.0175	\$ 7.73		\$ 0.0175	
Sentinel Lighting	kW	\$ 3.76	\$ 8.8369	\$ 3.76		\$ 8.8369	
Street Lighting	kW	\$ 1.20	\$ 6.3400	\$ 1.20		\$ 6.3400	

NOTES:

1. Approved Tariff of Rates and Charges Effective January 1, 2015 (EB-2012-0161)
2. Tariff of Rates and Charges Effective January 1, 2016, Implementation September 1, 2016, per Draft Rate Order (EB-2015-0003)
3. The ICM rate riders are included in the Foregone Revenue Recovery Mechanism as it is not possible to adjust the rate riders for the shortened term, as the term of these riders is not known.



PowerStream 2016 CIR - Draft Rate Order

**Foregone Distribution Revenue (January - September 2016)**  
**Billing Determinants**

**2016 Billing Determinants - Volumetric**

Rate Class	Unit	Total per 2016 CIR Application	January	February	March	April	May	June	July	Aug	Sep	Jan-Sep	Oct-Dec 2016
Residential	kWh	2,714,896,670	237,195,293	231,841,534	214,369,364	182,764,155	191,658,666	251,270,687	315,397,528	284,751,249	205,487,300	2,114,735,776	600,160,894.31
GS<50 kW	kWh	1,038,581,794	94,678,835	89,520,395	88,235,666	77,405,523	79,156,506	86,208,483	97,600,896	93,013,519	79,322,255	785,142,079	253,439,715.25
GS>50 kW	kW	12,220,067	1,032,742	984,264	1,013,193	963,826	995,067	1,069,652	1,111,140	1,082,677	986,640	9,239,200	2,980,866.25
Large Use	kW	150,807	12,946	11,844	12,556	12,022	12,599	12,593	13,045	12,980	12,292	112,876	37,930.46
Unmetered (USL)	kWh	14,169,748	1,190,724	1,064,349	1,254,656	1,123,161	1,209,355	1,197,660	1,219,141	1,192,655	1,105,920	10,557,621	3,612,126.13
Sentinel Lighting	kW	975	86	76	88	76	85	76	83	81	76	727	247.97
Street Lighting	kW	133,270	14,758	12,655	10,129	12,491	9,483	6,683	6,498	9,836	10,003	92,536	40,735

**2016 Billing Determinants - Customer/Connection Count**

Rate Class	2016 AVG	January	February	March	April	May	June	July	August	September	Jan-Sep 2016 AVG	Oct-Dec 2016
Residential	325,345	323,203	323,588	323,974	324,362	324,752	325,142	325,534	325,927	326,321	324,756	327,111
GS<50 kW	32,402	32,233	32,263	32,294	32,324	32,355	32,386	32,417	32,448	32,479	32,355	32,541
GS>50 kW	4,965	4,910	4,919	4,930	4,939	4,949	4,960	4,969	4,980	4,990	4,950	5,010
Large Use	2	2	2	2	2	2	2	2	2	2	2	2
Unmetered (USL)	2,976	2,948	2,953	2,958	2,963	2,968	2,973	2,978	2,984	2,989	2,968	3,000
Sentinel Lighting	209	209	209	209	209	209	209	209	209	209	209	207
Street Lighting	88,126	87,400	87,531	87,662	87,794	87,926	88,058	88,191	88,324	88,457	87,927	88,723



PowerStream 2016 CIR - Draft Rate Order

**Foregone Distribution Revenue (January - September 2016)**  
**2016 Customer Count - as per 2016 CIR Application (EB-2015-0003)**

Rate Class	PowerStream All Service Areas												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	323,203	323,588	323,974	324,362	324,752	325,142	325,534	325,927	326,321	326,716	327,111	327,507	<b>325,345</b>
GS<50	32,233	32,263	32,294	32,324	32,355	32,386	32,417	32,448	32,479	32,510	32,541	32,572	<b>32,402</b>
GS>50	4,910	4,919	4,930	4,939	4,949	4,960	4,969	4,980	4,990	5,000	5,010	5,020	<b>4,965</b>
Large Use	2	2	2	2	2	2	2	2	2	2	2	2	<b>2</b>
USL	2,948	2,953	2,958	2,963	2,968	2,973	2,978	2,984	2,989	2,995	3,000	3,006	<b>2,976</b>
Sentinel Lighting	209	209	209	209	209	209	209	209	209	207	207	207	<b>209</b>
Street Lighting	87,400	87,531	87,662	87,794	87,926	88,058	88,191	88,324	88,457	88,590	88,723	88,857	<b>88,126</b>
<b>Total</b>	<b>450,905</b>	<b>451,465</b>	<b>452,029</b>	<b>452,593</b>	<b>453,161</b>	<b>453,730</b>	<b>454,300</b>	<b>454,874</b>	<b>455,447</b>	<b>456,020</b>	<b>456,594</b>	<b>457,171</b>	<b>454,024</b>



PowerStream 2016 CIR - Draft Rate Order

Foregone Distribution Revenue (January - September 2016)  
 2016 Consumption/Demand - as per 2016 CIR Application (EB-2015-0003)

PowerStream All Service Areas														
Rate Class	Unit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	kWh	237,195,293	231,841,534	214,369,364	182,764,155	191,658,666	251,270,687	315,397,528	284,751,249	205,487,300	176,691,961	179,904,351	243,564,582	2,714,896,670
GS<50	kWh	94,678,835	89,520,395	88,235,666	77,405,523	79,156,506	86,208,483	97,600,896	93,013,519	79,322,255	73,365,696	81,511,209	98,562,810	1,038,581,794
GS>50	kWh	1,032,742	984,264	1,013,193	963,826	995,067	1,069,652	1,111,140	1,082,677	986,640	981,622	977,483	1,021,762	12,220,067
Large Use	kW	12,946	11,844	12,556	12,022	12,599	12,593	13,045	12,980	12,292	12,494	12,525	12,911	150,807
USL	kWh	1,190,724	1,064,349	1,254,656	1,123,161	1,209,355	1,197,660	1,219,141	1,192,655	1,105,920	1,313,324	1,117,173	1,181,629	14,169,748
Sentinel Lighting	kW	86	76	88	76	85	76	83	81	76	85	82	81	975
Street Lighting	kW	14,758	12,655	10,129	12,491	9,483	6,683	6,498	9,836	10,003	11,290	13,209	16,236	133,270
<b>Total Billed kWh</b>		<b>333,064,852</b>	<b>322,426,278</b>	<b>303,859,686</b>	<b>261,292,839</b>	<b>272,024,527</b>	<b>338,676,830</b>	<b>414,217,566</b>	<b>378,957,423</b>	<b>285,915,475</b>	<b>251,370,981</b>	<b>262,532,733</b>	<b>343,309,022</b>	<b>3,767,648,211</b>
<b>Total Billed kW</b>		<b>1,060,532</b>	<b>1,008,838</b>	<b>1,035,966</b>	<b>988,414</b>	<b>1,017,233</b>	<b>1,089,005</b>	<b>1,130,765</b>	<b>1,105,574</b>	<b>1,009,012</b>	<b>1,005,491</b>	<b>1,003,298</b>	<b>1,050,990</b>	<b>12,505,119</b>



Ontario Energy Board

# 2016 Deferral/Variance Account Workform

Version 2.6

Utility Name	<input type="text"/>
Service Territory	<input type="text"/>
Assigned EB Number	<input type="text"/>
Name of Contact and Title	<input type="text"/>
Phone Number	<input type="text"/>
Email Address	<input type="text"/>

## General Notes

### Notes

Pale green cells represent input cells.

Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.

White cells contain fixed values, automatically generated values or formulae.

*This Workbook Model is protected by copyright and is being made available to you solely for the purpose of preparing your rate application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.*

# 2016 Deferral/Variance Account Workform

Account Descriptions	Account Number	2009										2010			
		Opening Principal Amounts as of Jan-1-09	Transactions <sup>1</sup> Debit/ (Credit) during 2009	Board-Approved Disposition during 2009	Principal Adjustments <sup>2</sup> during 2009	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Interest Adjustments <sup>2</sup> during 2009	Closing Interest Amounts as of Dec-31-09	Opening Principal Amounts as of Jan-1-10	Transactions <sup>2</sup> Debit/ (Credit) during 2010	Board-Approved Disposition during 2010	Principal Adjustments <sup>2</sup> during 2010
<b>Group 1 Accounts</b>															
1	LV Variance Account	1550					\$0					\$0			
2	Smart Metering Entity Charge Variance Account	1551					\$0					\$0			
3	RSVA - Wholesale Market Service Charge	1580					\$0					\$0			
4	RSVA - Retail Transmission Network Charge	1584					\$0					\$0			
5	RSVA - Retail Transmission Connection Charge	1586					\$0					\$0			
6	RSVA - Power (excluding Global Adjustment)	1588					\$0					\$0			
7	RSVA - Global Adjustment	1589					\$0					\$0			
8	Disposition and Recovery/Refund of Regulatory Balances (2008)	1595					\$0					\$0			
9	Disposition and Recovery/Refund of Regulatory Balances (2009)	1595					\$0					\$0			
10	Disposition and Recovery/Refund of Regulatory Balances (2010)	1595					\$0					\$0			
11	Disposition and Recovery/Refund of Regulatory Balances (2011)	1595					\$0					\$0			
12	Disposition and Recovery/Refund of Regulatory Balances (2012)	1595					\$0					\$0			
13	Disposition and Recovery/Refund of Regulatory Balances (2013)	1595					\$0					\$0			
14	Disposition and Recovery/Refund of Regulatory Balances (2014)	1595					\$0					\$0			
	<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>RSVA - Global Adjustment</b>	<b>1589</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Group 2 Accounts</b>															
15	Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508					\$0					\$0			
16	Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508					\$0					\$0			
	Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance -														
17	Ontario Clean Energy Benefit Act <sup>8</sup>	1508													
	Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying														
18	Charges	1508													
19	Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508					\$0					\$0			
20	Retail Cost Variance Account - Retail	1518					\$0					\$0			
21	Misc. Deferred Debits	1525					\$0					\$0			
22	Board-Approved CDM Variance Account	1567										\$0			
23	Extra-Ordinary Event Costs	1572					\$0					\$0			
24	Deferred Rate Impact Amounts	1574					\$0					\$0			
25	RSVA - One-time	1582					\$0					\$0			
26	Other Deferred Credits	2425					\$0					\$0			
	<b>Group 2 Sub-Total</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27	PLIs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592					\$0					\$0			
28	PLIs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592					\$0					\$0			
	<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
29	<b>LRAM Variance Account</b>	<b>1568</b>													
	<b>Total including Account 1568</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30	Renewable Generation Connection Capital Deferral Account	1531					\$0					\$0			
31	Renewable Generation Connection OM&A Deferral Account	1532					\$0					\$0			
32	Renewable Generation Connection Funding Adder Deferral Account	1533					\$0					\$0			
33	Smart Grid Capital Deferral Account	1534					\$0					\$0			
34	Smart Grid OM&A Deferral Account	1535					\$0					\$0			
35	Smart Grid Funding Adder Deferral Account	1536					\$0					\$0			
36	Retail Cost Variance Account - STR	1548					\$0					\$0			

		2009													
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions' Debit/ (Credit) during 2009	Board-Approved Disposition during 2009	Principal Adjustments <sup>2</sup> during 2009	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Interest Adjustments <sup>1</sup> during 2009	Closing Interest Amounts as of Dec-31-09	Opening Principal Amounts as of Jan-1-10	Transactions' Debit/ (Credit) during 2010	Board-Approved Disposition during 2010	Principal Adjustments <sup>2</sup> during 2010
37	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>5</sup>	1555				\$0					\$0	\$0			
38	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555				\$0					\$0	\$0			
39	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555				\$0					\$0	\$0			
40	Smart Meter OM&A Variance <sup>5</sup>	1556				\$0					\$0	\$0			
41	IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575													
42	Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576													

**For all Board-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 Board decision.**

<sup>1</sup> Do not include interest, adjustments, or OEB approved dispositions in this column

<sup>2</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.

As per the January 6, 2011 Letter from the Board, regarding the implementation of the Ontario Clean Energy Benefit:

<sup>3</sup> "By way of exception... The Board does anticipate that licensed distributors that cannot adapt their invoices as of January 1, 2011 will require a variance account for OCEB purposes... The Board expects that any principal balances in "Sub account Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act" will be addressed through the monthly settlement process with the IESO or the host distributor, as applicable.

<sup>4</sup> Please describe "other" components of 1508 and add more component lines if necessary.

<sup>5</sup> Deferral accounts related to Smart Meter deployment are not to be recovered/refunded through the Deferral and Variance Account rate rider. For details on how to dispose of balances in Smart Meter accounts see the Board's Guideline: Smart Meter Disposition and Cost Recovery (G-2011-0001)

<sup>6</sup> The Board requires that disposition of Account 1575 and Account 1576 shall require the use of separate rate riders. In the "Adjustments during 2015" column of the continuity schedule, please enter the amounts to be included in the Account 1575 and 1576 rate rider calculation from the applicable Chapter 2 appendices. For Account 1575, please provide the value in cell F39 from the relevant Chapter 2 Appendix (i.e. 2-EA, 2-EB or 2-EC). For Account 1576, please provide the value in cell F39 from the relevant Chapter 2 Appendix (i.e. 2-ED or 2-EE).

Ontario Energy Board

# 2016 Deferral/Variance Account Workform

Account Descriptions	Account Number	2010					2011										
		Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10	Board-Approved Disposition during 2010	Interest Adjustments <sup>1</sup> during 2010	Closing Interest Amounts as of Dec-31-10	Opening Principal Amounts as of Jan-1-11	Transactions <sup>2</sup> Debit / (Credit) during 2011	Board-Approved Disposition during 2011	Principal Adjustments <sup>2</sup> during 2011	Closing Principal Balance as of Dec-31-11	Opening Interest Amounts as of Jan-1-11	Interest Jan-1 to Dec-31-11	Board-Approved Disposition during 2011	Interest Adjustments <sup>1</sup> during 2011	Closing Interest Amounts as of Dec-31-11
<b>Group 1 Accounts</b>																	
LV Variance Account	1550	\$0	\$0				\$0	\$0	-\$680,807			-\$680,807	\$0	-\$25,273			-\$25,273
Smart Metering Entity Charge Variance Account	1551	\$0	\$0				\$0	\$0	\$0			\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	\$0	\$0				\$0	\$0	-\$22,160,709			-\$22,160,709	\$0	-\$453,592			-\$453,592
RSVA - Retail Transmission Network Charge	1584	\$0	\$0				\$0	\$0	\$2,673,296			\$2,673,296	\$0	-\$116,407			-\$116,407
RSVA - Retail Transmission Connection Charge	1586	\$0	\$0				\$0	\$0	-\$3,227,883			-\$3,227,883	\$0	-\$156,955			-\$156,955
RSVA - Power (excluding Global Adjustment)	1588	\$0	\$0				\$0	\$0	\$2,102,302	-\$13		\$2,102,289	\$0	\$400,055			\$400,055
RSVA - Global Adjustment	1589	\$0	\$0				\$0	\$0	\$17,526,364			\$17,526,364	\$0	\$668,802			\$668,802
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$0	\$0				\$0	\$0	-\$1,042			-\$1,042	\$0	\$3,222			\$3,222
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	\$0	\$0				\$0	\$0	\$2,233,467			\$2,233,467	\$0	-\$1,943,690			-\$1,943,690
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0	\$0				\$0	\$0				\$0	\$0				\$0
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,535,012	\$0	-\$13	-\$1,535,025	\$0	-\$1,623,838	\$0	\$0	-\$1,623,838
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$19,061,376	\$0	-\$13	-\$19,061,389	\$0	-\$2,292,640	\$0	\$0	-\$2,292,640
<b>RSVA - Global Adjustment</b>	<b>1589</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,526,364	\$0	\$0	\$17,526,364	\$0	\$668,802	\$0	\$0	\$668,802
<b>Group 2 Accounts</b>																	
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0	\$0				\$0	\$0	-\$69,263			-\$69,263	\$0	\$7,219			\$7,219
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508											\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508											\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	\$0	\$0				\$0	\$0	\$65,841			\$65,841	\$0	\$1,281			\$1,281
Retail Cost Variance Account - Retail	1518	\$0	\$0				\$0	\$0	-\$675			-\$675	\$0	\$11,326			\$11,326
Misc. Deferred Debits	1525	\$0	\$0				\$0	\$0	-\$24,855			-\$24,855	\$0	\$10,879			\$10,879
Board-Approved CDM Variance Account	1567	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0	\$0				\$0	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0	\$0				\$0	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0	\$0				\$0	\$0	\$34,959			\$34,959	\$0	\$16,154			\$16,154
Other Deferred Credits	2425	\$0	\$0				\$0	\$0	-\$49,851,515			-\$49,851,515	\$0	-\$3,835			-\$3,835
<b>Group 2 Sub-Total</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$49,845,508	\$0	\$0	-\$49,845,508	\$0	\$43,024	\$0	\$0	\$43,024
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0	\$0				\$0	\$0	-\$5,353,731	\$15		-\$5,353,716	\$0	-\$167,587			-\$167,587
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0	\$0				\$0	\$0				\$0	\$0				\$0
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$56,734,251	\$0	\$2	-\$56,734,249	\$0	-\$1,748,401	\$0	\$0	-\$1,748,401
<b>LRAM Variance Account</b>	<b>1568</b>	\$0	\$0				\$0	\$0	\$0			\$0	\$0				\$0
<b>Total including Account 1568</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$56,734,251	\$0	\$2	-\$56,734,249	\$0	-\$1,748,401	\$0	\$0	-\$1,748,401
Renewable Generation Connection Capital Deferral Account	1531	\$0	\$0				\$0	\$0	\$524,817			\$524,817	\$0	\$2,721			\$2,721
Renewable Generation Connection OM&A Deferral Account	1532	\$0	\$0				\$0	\$0	\$142,559			\$142,559	\$0	\$570			\$570
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0	\$0				\$0	\$0	\$0			\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0	\$0				\$0	\$0	\$488,920			\$488,920	\$0	\$4,399			\$4,399
Smart Grid OM&A Deferral Account	1535	\$0	\$0				\$0	\$0	\$450,104	-\$200		\$449,904	\$0	\$5,078	\$200		\$5,278
Smart Grid Funding Adder Deferral Account	1536	\$0	\$0				\$0	\$0	\$0			\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	\$0	\$0				\$0	\$0	-\$26,129			-\$26,129	\$0	-\$2,885			-\$2,885

Account Descriptions	Account Number	2010					2011									
		Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10	Board-Approved Disposition during 2010	Interest Adjustments <sup>1</sup> during 2010	Closing Interest Amounts as of Dec-31-10	Opening Principal Amounts as of Jan-1-11	Transactions <sup>2</sup> Debit / (Credit) during 2011	Board-Approved Disposition during 2011	Principal Adjustments <sup>2</sup> during 2011	Closing Principal Balance as of Dec-31-11	Opening Interest Amounts as of Jan-1-11	Interest Jan-1 to Dec-31-11	Board-Approved Disposition during 2011	Interest Adjustments <sup>1</sup> during 2011
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>6</sup>	1555	\$0	\$0			\$0	\$0	-\$7,519,984	-\$7,519,984		\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555	\$0	\$0			\$0	\$0	\$19,906,754	\$19,906,754		\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	\$0	\$0			\$0	\$0	\$12,788,784			\$12,788,784	\$0				\$0
Smart Meter OM&A Variance <sup>5</sup>	1556	\$0	\$0			\$0	\$0	\$4,022,668	\$3,781,861		\$240,807	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575															
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576															

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

Do not include interest, adjustments, or OEB approved dispositions in this column

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB Approved di

As per the January 6, 2011 Letter from the Board, regarding the implementation of the Ontario Clean Energy Benefit:

"By way of exception... The Board does anticipate that licensed distributors that cannot adapt their invoices as of Janua

balances in "Sub account Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act" wi

Please describe "other" components of 1508 and add more component lines if necessary.

Deferral accounts related to Smart Meter deployment are not to be recovered/refunded through the Deferral and Varian

Guideline: Smart Meter Disposition and Cost Recovery (G-2011-0001)

The Board requires that disposition of Account 1575 and Account 1576 shall require the use of separate rate riders. In t

Account 1575 and 1576 rate rider calculation from the applicable Chapter 2 appendices. For Account 1575, please prov please provide the value in cell F39 from the relevant Chapter 2 Appendix (i.e. 2-ED or 2-EE).

Ontario Energy Board

# 2016 Deferral/Variance Account Workform

Account Descriptions	Account Number	2012									2013					
		Opening Principal Amounts as of Jan-1-12	Transactions <sup>2</sup> Debit/ (Credit) during 2012	Board-Approved Disposition during 2012	Principal Adjustments <sup>2</sup> during 2012	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Interest Adjustments <sup>1</sup> during 2012	Closing Interest Amounts as of Dec-31-12	Opening Principal Amounts as of Jan-1-13	Transactions <sup>2</sup> Debit/ (Credit) during 2013	Board-Approved Disposition during 2013	Principal Adjustments <sup>2</sup> during 2013	Closing Principal Balance as of Dec-31-13
<b>Group 1 Accounts</b>																
LV Variance Account	1550	-\$680,807	\$477,919	-\$680,807		\$477,919	-\$25,273	-\$7,005	-\$35,310	\$3,032	\$477,919	-\$112,182			\$365,737	
Smart Metering Entity Charge Variance Account	1551	\$0				\$0	\$0			\$0	\$0	\$185,108			\$185,108	
RSVA - Wholesale Market Service Charge	1580	-\$22,160,709	-\$10,646,313	-\$22,160,709		-\$10,646,313	-\$453,592	-\$411,074	-\$780,247	-\$84,419	-\$10,646,313	-\$5,065,917			-\$15,712,230	
RSVA - Retail Transmission Network Charge	1584	\$2,673,296	\$1,005,953	\$2,673,296		\$1,005,953	-\$116,407	\$62,777	-\$77,003	\$23,373	\$1,005,953	\$2,616,584			\$3,622,537	
RSVA - Retail Transmission Connection Charge	1586	-\$3,227,883	-\$588,231	-\$3,227,884		-\$588,230	-\$156,955	-\$52,540	-\$204,532	-\$4,963	-\$588,230	\$601,094			\$12,864	
RSVA - Power (excluding Global Adjustment)	1588	\$2,102,289	\$877,101	\$2,102,302		\$877,088	\$400,055	\$8,778	\$431,043	-\$22,210	\$877,088	\$1,357,196			\$2,234,284	
RSVA - Global Adjustment	1589	\$17,526,364	-\$1,664,568	\$17,526,364		-\$1,664,568	\$668,802	\$259,570	\$927,145	\$1,227	-\$1,664,568	-\$3,374,332			-\$5,038,900	
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	-\$1,042	-\$15	-\$1,042		-\$15	\$3,222		\$3,208	\$14	-\$15				-\$15	
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0				\$0	\$0			\$0	\$0				\$0	
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	\$0				\$0	\$0			\$0	\$0				\$0	
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	\$2,233,467	-\$680,508	\$8,245,690		-\$6,692,731	-\$1,943,690	\$144,693	\$86,845	-\$1,885,842	-\$6,692,731	\$4,236,921			-\$2,455,810	
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$0				\$0	\$0			\$0	\$0				\$0	
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0				\$0	\$0			\$0	\$0				\$0	
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0				\$0	\$0			\$0	\$0				\$0	
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		-\$1,535,025	-\$11,218,662	\$4,477,210	\$0	-\$17,230,897	-\$1,623,838	\$5,199	\$351,149	\$0	-\$1,969,788	-\$17,230,897	\$444,472	\$0	\$0	-\$16,786,425
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		-\$19,061,389	-\$9,554,094	-\$13,049,154	\$0	-\$15,566,329	-\$2,292,640	-\$254,371	-\$575,996	\$0	-\$1,971,015	-\$15,566,329	\$3,818,804	\$0	\$0	-\$11,747,525
<b>RSVA - Global Adjustment</b>	<b>1589</b>	\$17,526,364	-\$1,664,568	\$17,526,364	\$0	-\$1,664,568	\$668,802	\$259,570	\$927,145	\$0	\$1,227	-\$1,664,568	-\$3,374,332	\$0	\$0	-\$5,038,900
<b>Group 2 Accounts</b>																
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	-\$69,263	-\$404,677	-\$219,916		-\$254,024	\$7,219	-\$3,693	\$6,642	-\$3,116	-\$254,024	\$117,323			-\$136,701	
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0				\$0	\$0			\$0	\$0				\$0	
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508	\$0				\$0	\$0			\$0	\$0				\$0	
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0				\$0	\$0			\$0	\$0				\$0	
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	\$65,841	\$6,717,978	\$65,840		\$6,717,979	\$1,281	\$968	\$2,252	-\$3	\$6,717,979	-\$1,150,010			\$5,567,969	
Retail Cost Variance Account - Retail	1518	-\$675	-\$3,168	-\$674		-\$3,169	\$11,326	\$161	\$11,316	\$171	-\$3,169	\$83,709			\$80,540	
Misc. Deferred Debits	1525	-\$24,855	\$24,855			\$0	\$10,879	-\$10,879		\$0	\$0				\$0	
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0			\$0	\$0	-\$775,217			-\$775,217	
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0			\$0	\$0				\$0	
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0			\$0	\$0				\$0	
RSVA - One-time	1582	\$34,959		\$34,960		-\$1	\$16,154	\$517	\$16,668	\$3	-\$1				-\$1	
Other Deferred Credits	2425	-\$49,851,515	\$6,717,897	-\$532,264		-\$42,601,354	-\$3,835	-\$5,533	-\$8,529	-\$839	-\$42,601,354	\$10,480,844			-\$32,120,510	
<b>Group 2 Sub-Total</b>		-\$49,845,508	\$13,052,885	-\$652,054	\$0	-\$36,140,569	\$43,024	-\$18,459	\$28,349	\$0	-\$3,784	-\$36,140,569	\$8,756,649	\$0	\$0	-\$27,383,920
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	-\$5,353,716	\$720,232	-\$4,632,496		-\$988	-\$167,587	-\$226,556	-\$394,163	\$20	-\$988				-\$988	
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0				\$0	\$0			\$0	\$0				\$0	
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		-\$56,734,249	\$2,554,455	-\$807,340	\$0	-\$53,372,454	-\$1,748,401	-\$239,816	-\$14,665	\$0	-\$1,973,552	-\$53,372,454	\$9,201,121	\$0	\$0	-\$44,171,333
<b>LRAM Variance Account</b>	<b>1568</b>	\$0	\$716,910			\$716,910	\$0			\$0	\$716,910	-\$513,961			\$202,949	
<b>Total including Account 1568</b>		-\$56,734,249	\$3,271,365	-\$807,340	\$0	-\$52,655,544	-\$1,748,401	-\$239,816	-\$14,665	\$0	-\$1,973,552	-\$52,655,544	\$8,687,160	\$0	\$0	-\$43,968,384
Renewable Generation Connection Capital Deferral Account	1531	\$524,817	\$630,287			\$1,155,104	\$2,721	\$10,209		\$12,930	\$1,155,104	\$883,418			\$2,038,522	
Renewable Generation Connection OM&A Deferral Account	1532	\$142,559	\$32,215	\$142,559		\$32,215	\$570	\$1,979	\$2,671	-\$122	\$32,215	\$160,573			\$192,788	
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0			\$0	\$0				\$0	
Smart Grid Capital Deferral Account	1534	\$488,920	\$397,414	\$476,808		\$409,526	\$4,399	\$8,550		\$12,949	\$409,526	\$800,880			\$1,210,406	
Smart Grid OM&A Deferral Account	1535	\$449,904	\$799,709	\$450,104		\$799,509	\$5,278	\$10,425	\$11,713	\$3,990	\$799,509	\$628,474			\$1,427,983	
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0			\$0	\$0				\$0	
Retail Cost Variance Account - STR	1548	-\$26,129		-\$26,129		\$0	-\$2,885	-\$384	-\$3,270	\$1	\$0				\$0	

Account Descriptions	Account Number	2012									2013				
		Opening Principal Amounts as of Jan-1-12	Transactions <sup>2</sup> Debit/ (Credit) during 2012	Board-Approved Disposition during 2012	Principal Adjustments <sup>2</sup> during 2012	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Interest Adjustments <sup>1</sup> during 2012	Closing Interest Amounts as of Dec-31-12	Opening Principal Amounts as of Jan-1-13	Transactions <sup>2</sup> Debit/ (Credit) during 2013	Board-Approved Disposition during 2013	Principal Adjustments <sup>2</sup> during 2013
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>6</sup>	1555	\$0				\$0	\$0			\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555	\$0				\$0	\$0			\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	\$12,788,784	-\$1,333,881			\$11,454,903	\$0			\$0	\$11,454,903	-\$5,232,747			\$6,222,156
Smart Meter OM&A Variance <sup>5</sup>	1556	\$240,807	\$14	\$240,807		\$14	\$0	\$3,540	\$3,549	-\$9	\$14	-\$14			\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575		-\$9,571,000			-\$9,571,000					-\$9,571,000	\$2,392,753			-\$7,178,247
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576					\$0					\$0				\$0

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

Do not include interest, adjustments, or OEB approved dispositions in this column

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB Approved di

As per the January 6, 2011 Letter from the Board, regarding the implementation of the Ontario Clean Energy Benefit:

"By way of exception... The Board does anticipate that licensed distributors that cannot adapt their invoices as of Janua

balances in "Sub account Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act" wi

Please describe "other" components of 1508 and add more component lines if necessary.

Deferral accounts related to Smart Meter deployment are not to be recovered/refunded through the Deferral and Varian

Guideline: Smart Meter Disposition and Cost Recovery (G-2011-0001)

The Board requires that disposition of Account 1575 and Account 1576 shall require the use of separate rate riders. In t

Account 1575 and 1576 rate rider calculation from the applicable Chapter 2 appendices. For Account 1575, please prov

please provide the value in cell F39 from the relevant Chapter 2 Appendix (i.e. 2-ED or 2-EE).

Ontario Energy Board

# 2016 Deferral/Variance Account Workform

Account Descriptions	Account Number	2014														Principal Disposition during 2015 - instructed by Board
		Opening Interest Amounts as of Jan-1-13	Interest Jan-1 to Dec-31-13	Board-Approved Disposition during 2013	Interest Adjustments <sup>1</sup> during 2013	Closing Interest Amounts as of Dec-31-13	Opening Principal Amounts as of Jan-1-14	Transactions <sup>2</sup> Debit/ (Credit) during 2014	Board-Approved Disposition during 2014	Principal Adjustments <sup>2</sup> during 2014	Closing Principal Balance as of Dec-31-14	Opening Interest Amounts as of Jan-1-14	Interest Jan-1 to Dec-31-14	Board-Approved Disposition during 2014	Interest Adjustments <sup>1</sup> during 2014	
<b>Group 1 Accounts</b>																
LV Variance Account	1550	\$3,032	\$6,431			\$9,463	\$365,737	-\$133,409	\$477,919		-\$245,591	\$9,463	-\$1,339	\$10,057		-\$1,933
Smart Metering Entity Charge Variance Account	1551	\$0	\$1,632			\$1,632	\$185,108	-\$93,458			\$91,650	\$1,632	\$2,228			\$3,860
RSVA - Wholesale Market Service Charge	1580	-\$84,419	-\$200,434			-\$284,853	-\$15,712,230	-\$877,534	-\$10,646,313		-\$5,943,451	-\$284,853	-\$58,992	-\$240,919		-\$102,926
RSVA - Retail Transmission Network Charge	1584	\$23,373	\$30,713			\$54,086	\$3,622,537	\$1,288,689	\$1,005,953		\$3,905,273	\$54,086	\$47,481	\$38,161		\$63,406
RSVA - Retail Transmission Connection Charge	1586	-\$4,963	-\$5,847			-\$10,810	\$12,864	\$852,228	-\$588,230		\$1,453,322	-\$10,810	\$10,423	-\$13,609		\$13,222
RSVA - Power (excluding Global Adjustment)	1588	-\$22,210	\$51,968			\$29,758	\$2,234,284	-\$794,425	\$877,088		\$562,771	\$29,758	\$27,275	-\$9,317		\$66,350
RSVA - Global Adjustment	1589	\$1,227	\$22,026			\$23,253	-\$5,038,900	\$13,553,905	-\$1,664,568		\$10,179,573	\$23,253	\$46,383	-\$23,242		\$92,878
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$14				\$14	-\$15	\$2	-\$15		\$2	\$14		\$14		\$0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	-\$1,885,842	-\$96,444			-\$1,982,286	-\$2,455,810	\$9,270,221	\$10,538,166		-\$3,723,755	-\$1,982,286	-\$56,377	\$277,339		-\$2,316,002
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0				\$0	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0				\$0	\$0				\$0	\$0				\$0
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		-\$1,969,788	-\$189,955	\$0	\$0	-\$2,159,743	-\$16,786,425	\$23,066,219	\$0	\$0	\$6,279,794	-\$2,159,743	\$17,082	\$38,484	\$0	-\$2,181,145
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		-\$1,971,015	-\$211,981	\$0	\$0	-\$2,182,996	-\$11,747,525	\$9,512,314	\$1,664,568	\$0	-\$3,899,779	-\$2,182,996	-\$29,301	\$61,726	\$0	-\$2,274,023
<b>RSVA - Global Adjustment</b>	<b>1589</b>	\$1,227	\$22,026	\$0	\$0	\$23,253	-\$5,038,900	\$13,553,905	-\$1,664,568	\$0	\$10,179,573	\$23,253	\$46,383	-\$23,242	\$0	\$92,878
<b>Group 2 Accounts</b>																
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	-\$3,116	-\$2,775			-\$5,891	-\$136,701	\$280			-\$136,421	-\$5,891	-\$2,006			-\$7,897
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0				\$0	\$0	\$9,832,485			\$9,832,485	\$0	\$7,764			\$7,764
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508	\$0				\$0	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0				\$0	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	-\$3	\$70,986			\$70,983	\$5,567,969	-\$4,723,784			\$844,185	\$70,983	\$52,649			\$123,632
Retail Cost Variance Account - Retail	1518	\$171	\$757			\$928	\$80,540	\$131,048			\$211,588	\$928	\$2,253			\$3,181
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0	\$0				\$0
Board-Approved CDM Variance Account	1567	\$0	-\$6,053			-\$6,053	-\$775,217	\$391,252			-\$383,965	-\$6,053	-\$6,198			-\$12,251
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$3				\$3	-\$1				-\$1	\$3				\$3
Other Deferred Credits	2425	-\$839	\$841			\$2	-\$32,120,510	\$7,589,025			-\$24,531,485	\$2				-\$24,531,485
<b>Group 2 Sub-Total</b>		-\$3,784	\$63,756	\$0	\$0	\$59,972	-\$27,383,920	\$13,220,306	\$0	\$0	-\$14,163,614	\$59,972	\$54,462	\$0	\$0	\$114,434
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$20	-\$14			\$6	-\$988				-\$988	\$6	-\$15			-\$9
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0				\$0	\$0				\$0	\$0				\$0
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		-\$1,973,552	-\$126,213	\$0	\$0	-\$2,099,765	-\$44,171,333	\$36,286,525	\$0	\$0	-\$7,884,808	-\$2,099,765	\$71,529	\$38,484	\$0	-\$2,066,720
<b>LRAM Variance Account</b>	<b>1568</b>	\$0	\$13,029			\$13,029	\$202,949	\$73,996	-\$72,234		\$204,711	\$13,029	\$3,378		-\$1,108	\$15,299
<b>Total including Account 1568</b>		-\$1,973,552	-\$113,184	\$0	\$0	-\$2,086,736	-\$43,968,384	\$36,360,521	\$0	-\$72,234	-\$7,680,097	-\$2,086,736	\$74,907	\$38,484	-\$1,108	-\$2,051,421
Renewable Generation Connection Capital Deferral Account	1531	\$12,930	\$16,350			\$29,280	\$2,038,522	\$304,154	\$1,343,622		\$999,054	\$29,280	\$28,059			\$57,339
Renewable Generation Connection OM&A Deferral Account	1532	-\$122	\$1,189			\$1,067	\$192,788	\$80,538			\$273,326	\$1,067	\$3,165			\$4,232
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0				\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$12,949	\$7,498			\$20,447	\$1,210,406	\$1,290,596			\$2,501,002	\$20,447	\$24,519			\$44,966
Smart Grid OM&A Deferral Account	1535	\$3,990	\$15,607			\$19,597	\$1,427,983	\$799,504			\$2,227,487	\$19,597	\$24,229			\$43,826
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0	-\$872,000			-\$872,000	\$0	-\$4,803			-\$4,803
Retail Cost Variance Account - STR	1548	\$1				\$1	\$0				\$0	\$1				\$1

2014

Account Descriptions	Account Number						2014									
		Opening Interest Amounts as of Jan-1-13	Interest Jan-1 to Dec-31-13	Board-Approved Disposition during 2013	Interest Adjustments <sup>1</sup> during 2013	Closing Interest Amounts as of Dec-31-13	Opening Principal Amounts as of Jan-1-14	Transactions <sup>2</sup> Debit / (Credit) during 2014	Board-Approved Disposition during 2014	Principal Adjustments <sup>2</sup> during 2014	Closing Principal Balance as of Dec-31-14	Opening Interest Amounts as of Jan-1-14	Interest Jan-1 to Dec-31-14	Board-Approved Disposition during 2014	Interest Adjustments <sup>1</sup> during 2014	Closing Interest Amounts as of Dec-31-14
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>6</sup>	1555	\$0				\$0	\$0			\$0	\$0				\$0	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555	\$0				\$0	\$0			\$0	\$0				\$0	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	\$0	\$135,982			\$135,982	\$6,222,156	-\$5,815,721		\$406,435	\$135,982	\$50,719		\$186,701		
Smart Meter OM&A Variance <sup>5</sup>	1556	-\$9	\$9			\$0	\$0			\$0	\$0			\$0		
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575						-\$7,178,247	\$2,392,750		-\$4,785,497					-\$2,287,672	
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576						\$0			\$0						

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

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Guideline: Smart Meter Disposition and Cost Recovery (G-2011-0001)

The Board requires that disposition of Account 1575 and Account 1576 shall require the use of separate rate riders. In t

Account 1575 and 1576 rate rider calculation from the applicable Chapter 2 appendices. For Account 1575, please prov

please provide the value in cell F39 from the relevant Chapter 2 Appendix (i.e. 2-ED or 2-EE).

Ontario Energy Board

# 2016 Deferral/Variance Account Workform

Account Descriptions	Account Number	2015			Projected Interest on Dec-31-14 Balances		Total Claim	2.1.7 RRR		Variance RRR vs. 2014 Balance (Principal + Interest)
		Interest Disposition during 2015 - instructed by Board	Closing Principal Balances as of Dec 31-14 Adjusted for Dispositions during 2015	Closing Interest Balances as of Dec 31-13 Adjusted for Dispositions during 2014	Projected Interest from Jan 1, 2015 to December 31, 2015 on Dec 31 -14 balance adjusted for disposition during 2014 <sup>5</sup>	Projected Interest from January 1, 2016 to April 30, 2016 on Dec 31 -14 balance adjusted for disposition during 2015 <sup>5</sup>		As of Dec 31-14		
<b>Group 1 Accounts</b>										
LV Variance Account	1550		-\$245,591	-\$1,933	-\$2,741	-\$2,028	-\$252,293	-\$247,523	\$1	
Smart Metering Entity Charge Variance Account	1551		\$91,650	\$3,860	\$1,023	\$757	\$97,290	\$95,510	-\$0	
RSVA - Wholesale Market Service Charge	1580		-\$5,943,451	-\$102,926	-\$66,322	-\$49,078	-\$6,161,778	-\$6,046,377	\$0	
RSVA - Retail Transmission Network Charge	1584		\$3,905,273	\$63,406	\$43,579	\$32,248	\$4,044,505	\$3,968,679	\$0	
RSVA - Retail Transmission Connection Charge	1586		\$1,453,322	\$13,222	\$16,217	\$12,001	\$1,494,762	\$1,466,544	\$0	
RSVA - Power (excluding Global Adjustment)	1588		\$562,771	\$66,350	\$6,280	\$4,647	\$640,048	\$629,121	\$0	
RSVA - Global Adjustment	1589		\$10,179,573	\$92,878	\$113,593	\$84,058	\$10,470,102	\$10,272,451	\$0	
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595		\$2	\$0		\$0	\$2		-\$2	
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595		\$0	\$0		\$0	\$0		\$0	
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595		\$0	\$0		\$0	\$0		\$0	
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595		-\$2,316,002	\$0		\$0		-\$6,039,756	\$2	
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595		\$0	\$0		\$0	\$0		\$0	
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595		\$0	\$0		\$0	\$0		\$0	
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595		\$0	\$0		\$0	\$0		\$0	
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>			-\$2,316,002	\$10,003,549	\$134,857	\$111,629	\$82,605	\$10,332,639	\$4,098,649	\$1
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>			-\$2,316,002	-\$176,024	\$41,979	-\$1,964	-\$1,454	-\$137,463	-\$6,173,802	\$1
<b>RSVA - Global Adjustment</b>	<b>1589</b>		\$0	\$10,179,573	\$92,878	\$113,593	\$84,058	\$10,470,102	\$10,272,451	\$0
<b>Group 2 Accounts</b>										
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508		-\$136,421	-\$7,897	-\$1,522	-\$1,127	-\$146,967	-\$144,318	\$0	
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$24,138	-\$49,465	-\$16,374			-\$65,839	-\$752,443	-\$10,592,692	
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508		\$0	\$0		\$0	\$0		\$0	
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508		\$0	\$0		\$0	\$0		\$0	
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	\$94,305	\$241,000	\$29,327	\$2,689	\$1,990	\$275,006	\$967,817	-\$0	
Retail Cost Variance Account - Retail	1518		\$211,588	\$3,181	\$2,361	\$1,747	\$218,877	\$214,769	-\$0	
Misc. Deferred Debits	1525		\$0	\$0		\$0	\$0		\$0	
Board-Approved CDM Variance Account	1567		-\$12,251	\$0		\$0	\$0	-\$396,216	\$0	
Extra-Ordinary Event Costs	1572		\$0	\$0		\$0	\$0		\$0	
Deferred Rate Impact Amounts	1574		\$0	\$0		\$0	\$0		\$0	
RSVA - One-time	1582		-\$1	\$3		-\$0	\$2		-\$2	
Other Deferred Credits	2425		\$0	\$0		\$0	\$2	-\$25,911,598	-\$1,380,115	
<b>Group 2 Sub-Total</b>			\$106,192	\$266,701	\$8,242	\$3,528	\$2,611	\$281,082	-\$26,021,989	-\$11,972,809
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592		-\$988	-\$9	-\$11	-\$8	-\$1,016	-\$997	\$0	
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592		\$0	\$0		\$0	\$0		\$0	
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>			-\$2,209,810	\$10,269,262	\$143,090	\$115,146	\$85,207	\$10,612,705	-\$21,924,336	-\$11,972,808
<b>LRAM Variance Account</b>	<b>1568</b>		\$30,714	-\$566,256	-\$15,415	-\$6,787	-\$6,285	-\$594,743	\$293,352	\$73,342
<b>Total including Account 1568</b>			-\$2,179,096	\$9,703,006	\$127,675	\$108,359	\$78,922	\$10,017,962	-\$21,630,984	-\$11,899,465
Renewable Generation Connection Capital Deferral Account	1531		\$57,339	\$0	\$0	\$0	\$0	\$1,056,393	\$0	
Renewable Generation Connection OM&A Deferral Account	1532		\$273,326	\$4,232	\$3,050	\$2,257	\$282,865	\$277,557	-\$1	
Renewable Generation Connection Funding Adder Deferral Account	1533		\$0	\$0		\$0	\$0		\$0	
Smart Grid Capital Deferral Account	1534		\$44,966	\$0	\$0	\$0	\$0	\$2,545,968	-\$0	
Smart Grid OM&A Deferral Account	1535		\$2,227,487	\$43,826	\$24,856	\$18,394	\$2,314,563	\$2,271,314	\$1	
Smart Grid Funding Adder Deferral Account	1536		-\$4,803	-\$525,761	\$0	-\$4,341	-\$530,102	-\$876,803	-\$0	
Retail Cost Variance Account - STR	1548		\$0	\$1		\$0	\$1		-\$1	

Account Descriptions	Account Number	2015		Projected Interest on Dec-31-14 Balances		Total Claim	2.1.7 RRR	
		Interest Disposition during 2015 - instructed by Board	Closing Principal Balances as of Dec 31-14 Adjusted for Dispositions during 2015	Closing Interest Balances as of Dec 31-13 Adjusted for Dispositions during 2014	Projected Interest from Jan 1, 2015 to December 31, 2015 on Dec 31 -14 balance adjusted for disposition during 2014 <sup>5</sup>		Projected Interest from January 1, 2016 to April 30, 2016 on Dec 31 -14 balance adjusted for disposition during 2015 <sup>5</sup>	As of Dec 31-14
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>6</sup>	1555		\$0	\$0		\$0		\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555		\$0	\$0		\$0		\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555		\$406,435	\$186,701	\$4,535	\$3,356	\$601,028	\$593,137
Smart Meter OM&A Variance <sup>5</sup>	1556		\$0	\$0		\$0		\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575		-\$2,497,825				-\$2,497,825	-\$4,785,497
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576		\$0			\$0		\$0

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

Do not include interest, adjustments, or OEB approved dispositions in this column

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB Approved di:

As per the January 6, 2011 Letter from the Board, regarding the implementation of the Ontario Clean Energy Benefit:

"By way of exception... The Board does anticipate that licensed distributors that cannot adapt their invoices as of Janua

balances in "Sub account Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act" wi

Please describe "other" components of 1508 and add more component lines if necessary.

Deferral accounts related to Smart Meter deployment are not to be recovered/refunded through the Deferral and Varian

Guideline: Smart Meter Disposition and Cost Recovery (G-2011-0001)

The Board requires that disposition of Account 1575 and Account 1576 shall require the use of separate rate riders. In t

Account 1575 and 1576 rate rider calculation from the applicable Chapter 2 appendices. For Account 1575, please prov please provide the value in cell F39 from the relevant Chapter 2 Appendix (i.e. 2-ED or 2-EE).

## 2016 Deferral/Variance Account Workform

Accounts that produced a variance on the 2014 continuity schedule are listed below.  
Please provide a detailed explanation for each variance below.

Account Descriptions	Account Number	Variance RRR vs. 2014 Balance (Principal + Interest)	Explanation
<b>Group 1 Accounts</b>			
LV Variance Account	1550	\$ 0.93	
Smart Metering Entity Charge Variance Account	1551	\$ (0.25)	
RSVA - Wholesale Market Service Charge	1580	\$ 0.23	
RSVA - Retail Transmission Network Charge	1584	\$ 0.19	
RSVA - Retail Transmission Connection Charge	1586	\$ 0.03	
RSVA - Power (excluding Global Adjustment)	1588	\$ 0.03	
RSVA - Global Adjustment	1589	\$ 0.05	
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$ (2.00)	
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	\$ 1.69	
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ (10,592,692.00)	PowerStream's RRR filing included an internal contra account that was used for tracking ICM capital activity. This internal account had a credit balance which should have been omitted in the RRR filing. The DVA continuity amount is correct.
Other Regulatory Assets - Sub-Account - Other 4	1508	\$ (0.07)	
Retail Cost Variance Account - Retail	1518	\$ (0.14)	
Board-Approved CDM Variance Account	1567	\$ 0.29	
RSVA - One-time	1582	\$ (2.19)	
Other Deferred Credits	2425	\$ (1,380,115.00)	RRR filed amount is understated by this amount as there was a late post audit transaction that was recorded after the RRR was submitted. The correct updated amount is filed in this DVA continuity schedule
PILs and Tax Variance for 2006 and Subsequent Years	1592	\$ 0.40	
LRAM Variance Account	1568	\$ 73,342.43	Removed principle and interest for 2014 as our claim is only up to 2013 actuals. Excluded peak demand savings from 2013 DR3 programs. True-up to actual for 2013 based on final verified CDM report requiring an adjustment.
Renewable Generation Connection Capital Deferral Account	1531	\$ 0.22	
Renewable Generation Connection OM&A Deferral Account	1532	\$ (0.65)	
Smart Grid Capital Deferral Account	1534	\$ (0.08)	
Smart Grid OM&A Deferral Account	1535	\$ 1.29	
Smart Grid Funding Adder Deferral Account	1536	\$ (0.32)	
Retail Cost Variance Account - STR	1548	\$ (1.46)	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	\$ 0.81	
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575	\$ (0.04)	

# 2016 Deferral/Variance Account Workform

In the green shaded cells, enter the data related to the **proposed** load forecast. Do not enter data for the MicroFit class.

Rate Class <small>(Enter Rate Classes in cells below as they appear on your current tariff of rates and charges)</small>	Units	# of Customers	Total Metered kWh	Total Metered kW	Billed kWh for Non-RPP Customers	Billed kW for Non-RPP Customers	Distribution Revenue <sup>1</sup>	Billed kWh for Wholesale Market Participants (WMP)	Billed kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP Demand (if applicable)	GA Allocator for Class A, Non-WMP Customers (if applicable) <sup>3</sup>	Billed kWh for Class A, Non-WMPs Customers (if applicable)	Billed kW for Class A Non-WMP Customers (if applicable)
RESIDENTIAL	kWh	325,345	2,714,896,670		155,835,069	-	87,473,969			2,714,896,670	-			
GENERAL SERVICE LESS THAN 50 KW	kWh	32,402	1,038,581,794		165,757,654	-	24,576,765			1,038,581,794	-			
GENERAL SERVICE 50 TO 4,999 KW	kW	4,965	4,576,806,248	12,220,067	4,194,642,926	11,199,691	48,916,023	23,552,245	62,884	4,553,254,003	12,157,182			
LARGE USER	kW	2	76,536,992	150,807	76,536,992	150,807	356,718			76,536,992	150,807		76,536,992	150,807
STANDBY POWER	kW													
UNMETERED SCATTERED LOAD	kWh	2,976	14,169,748		257,889	-	475,661			14,169,748	-			
SENTINEL LIGHTING	kW	209	378,095	975	46,506	120	16,351			378,095	975			
STREET LIGHTING	kW	88,126	47,666,024	133,270	47,136,932	131,791	2,219,325			47,666,024	133,270			
<b>Total</b>		<b>454,024</b>	<b>8,469,035,571</b>	<b>12,505,119</b>	<b>4,640,213,968</b>	<b>11,482,409</b>	<b>\$ 164,034,812</b>	<b>23,552,245</b>	<b>62,884</b>	<b>8,445,483,326</b>	<b>12,442,234</b>	<b>0%</b>	<b>76,536,992</b>	<b>150,807</b>

<sup>1</sup> For Account 1562, the allocation to customer classes should be performed on the basis of the test year distribution revenue allocation to customer classes found in the Applicant's Cost of Service application that was most recently approved at the time of disposition of the 1562 account balances

<sup>2</sup> Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

<sup>3</sup> Enter the percentage of the balance in account 1589 allocated to Class A customers. Distributors typically settle GA costs with Class A customers on the basis of actual (i.e. non-estimated) costs. If this is the case, no amount of the balance in 1589 should be allocated to a distributor's Class A customers.





**Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)**

1550, 1551, 1584, 1586, 1595	Jan 1/17 - Dec 31/18			2 years
Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
RESIDENTIAL	kWh	2,714,896,670	\$1,783,310	\$0.0003
GENERAL SERVICE LESS THAN 50 KW	kWh	1,038,581,794	\$657,168	\$0.0003
GENERAL SERVICE 50 TO 4,999 KW	kW	12,220,067	\$2,857,168	\$0.2338
LARGE USER	kW	150,807	\$47,780	\$1.2673
UNMETERED SCATTERED LOAD	kWh	14,169,748	\$8,846	\$0.0003
SENTINEL LIGHTING	kW	975	\$236	\$0.1210
STREET LIGHTING	kW	133,270	\$29,757	\$0.8931
Total			\$5,384,264	

**Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP**

1580 and 1588	Oct 1/16 - Dec 31/16			0.25 years
Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
RESIDENTIAL	kWh	2,714,896,670	(\$1,775,023)	(\$0.0026)
GENERAL SERVICE LESS THAN 50 KW	kWh	1,038,581,794	(\$679,034)	(\$0.0026)
GENERAL SERVICE 50 TO 4,999 KW	kW	12,157,182	(\$2,976,957)	(\$0.2449)
LARGE USER	kW	150,807	(\$50,041)	(\$1.3273)
UNMETERED SCATTERED LOAD	kWh	14,169,748	(\$9,264)	(\$0.0026)
SENTINEL LIGHTING	kW	975	(\$247)	(\$1.0139)
STREET LIGHTING	kW	133,270	(\$31,164)	(\$0.9354)
Total			(\$5,521,730)	

**Rate Rider Calculation for RSVA - Power - Global Adjustment**

Balance of Account 1589 Allocated to Non-WMPs	Jan 1/17 - Dec 31/18			2 years
Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
RESIDENTIAL	kWh	155,835,069	\$359,375	\$0.0012
GENERAL SERVICE LESS THAN 50 KW	kWh	165,757,654	\$382,258	\$0.0012
GENERAL SERVICE 50 TO 4,999 KW	kW	11,136,807	\$9,619,063	\$0.8637
UNMETERED SCATTERED LOAD	kWh	257,889	\$595	\$0.0012
SENTINEL LIGHTING	kW	120	\$107	\$0.4470
STREET LIGHTING	kW	131,791	\$108,704	\$3.2993
Total			\$10,470,102	

**Rate Rider Calculation for RSVA - Global Adjustment - Class A Non-WMP Customers**

Balance of Account 1589 allocated to Class A Non-WMP

Customers	Jan 1/17 - Dec 31/18			2 years
Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
LARGE USER	kW	150,807	\$0	\$0.0000
Total			\$0	

LU & Street Light - all RRs are over 3 months of 2016 ONLY

GS>50 - all RRs are over 1-year period, starting Oct 1 2016

**Rate Rider Calculation for Group 2 Accounts**

**Jan 1/17 - Dec 31/18**

**2 years**

Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
RESIDENTIAL	# of Customers	325,345	\$922,756	\$0.1182
GENERAL SERVICE LESS THAN 50 KW	kWh	1,038,581,794	\$352,999	\$0.0002
GENERAL SERVICE 50 TO 4,999 KW	kW	12,220,067	\$1,555,593	\$0.1273
LARGE USER	kW	150,807	\$26,014	\$0.6900
UNMETERED SCATTERED LOAD	kWh	14,169,748	\$4,816	\$0.0002
SENTINEL LIGHTING	kW	975	\$129	\$0.0659
STREET LIGHTING	kW	133,270	\$16,201	\$0.4863
Total			\$2,878,507	

**Rate Rider Calculation for Accounts 1575 and 1576**

**Oct 1/16 - Dec 31/16**

**0.25 years**

Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
RESIDENTIAL	# of Customers	325,345	(\$800,721)	(\$0.8204)
GENERAL SERVICE LESS THAN 50 KW	kWh	1,038,581,794	(\$306,315)	(\$0.0012)
GENERAL SERVICE 50 TO 4,999 KW	kW	12,220,067	(\$1,349,866)	(\$0.1105)
LARGE USER	kW	150,807	(\$22,574)	(\$0.5987)
UNMETERED SCATTERED LOAD	kWh	14,169,748	(\$4,179)	(\$0.0012)
SENTINEL LIGHTING	kW	975	(\$112)	(\$0.4574)
STREET LIGHTING	kW	133,270	(\$14,058)	(\$0.4220)
Total			(\$2,497,825)	

**Rate Rider Calculation for Accounts 1568**

**Oct 1/16 - Dec 31/16**

**0.25 years**

Rate Class	Units	kW / kWh / # of Customers	Allocated Balance	Rate Rider
RESIDENTIAL	# of Customers	325,345	(\$383,355)	(\$0.3928)
GENERAL SERVICE LESS THAN 50 KW	kWh	1,038,581,794	\$56,682	\$0.0002
GENERAL SERVICE 50 TO 4,999 KW	kW	12,220,067	(\$239,768)	(\$0.0196)
LARGE USER	kW	150,807	(\$5,369)	(\$0.1424)
UNMETERED SCATTERED LOAD	kWh	14,169,748	(\$3,375)	(\$0.0010)
SENTINEL LIGHTING	kW	975	(\$164)	(\$0.6712)
STREET LIGHTING	kW	133,270	(\$19,393)	(\$0.5821)
Total			(\$594,743)	

LU & Street Light - all RRs are over 3 months of 2016 ONLY

GS>50 - all RRs are over 1-year period, starting Oct 1 2016

## Rate Rider Calculation for Account 1536

Rate Rider Recovery Period in months | 3 Oct 1/16 - Dec 31/16

Rate Class	Units	# of Customers	Balance of Account 1536	Rate Rider for Account 1536 <sup>2</sup>	
RESIDENTIAL	# of Customers	325,345	(\$169,933)	<b>(\$0.17)</b>	per customer per month
GENERAL SERVICE LESS THAN 50 KW	# of Customers	32,402	(\$65,008)	<b>(\$0.67)</b>	per customer per month
GENERAL SERVICE 50 TO 4,999 KW	# of Customers	4,965	(\$286,476)	<b>(\$4.81)</b>	per customer per month
LARGE USER	# of Customers	2	(\$4,791)	<b>(\$798.45)</b>	per customer per month
UNMETERED SCATTERED LOAD	# of Customers	2,976	(\$887)	<b>(\$0.10)</b>	per customer per month
SENTINEL LIGHTING	# of Customers	209	(\$24)	<b>(\$0.04)</b>	per customer per month
STREET LIGHTING	# of connections	88,126	(\$2,984)	<b>(\$0.01)</b>	per connection per month
<b>Total</b>		<b>454,024</b>	<b>\$ (530,102)</b>		

GS>50 - all RRs are over 1-year period, starting Oct 1 2016

### Notes:

#### 1) Allocation to Classes

Rate Class	2016 Kwh forecast by Class	% by Class	Total Claim by Class
RESIDENTIAL	2,714,896,670	32.06%	\$ (169,933)
GENERAL SERVICE LESS THAN 50 KW	1,038,581,794	12.26%	\$ (65,008)
GENERAL SERVICE 50 TO 4,999 KW	4,576,806,248	54.04%	\$ (286,476)
LARGE USER	76,536,992	0.90%	\$ (4,791)
UNMETERED SCATTERED LOAD	14,169,748	0.17%	\$ (887)
SENTINEL LIGHTING	47,666,024	0.56%	\$ (2,984)
STREET LIGHTING	378,095	0.00%	\$ (24)
	8,469,035,571	100.00%	\$ (530,102)

Total to allocate: \$ (530,102)

2) Billing determinant for all classes is based on "# of customers" rather than a volumetric basis. This provides a consistent rate rider across all classes and mitigates classes that would have a zero rate based on volumetric determinants.

## Rate Rider Calculation for Account 1555

Please indicate the Rate Rider Recovery

2

Jan 1/17 - Dec 31/18

Rate Class	Units	kW / kWh / # of Customers	Balance of Account 1555	Rate Rider for Account 1555
RESIDENTIAL	# of Customers	325,345	\$ 434,724	\$ 0.06 per customer per month
GENERAL SERVICE LESS THAN 50 KW	# of Customers	32,402	\$ 166,304	\$ 0.21 per customer per month
<b>Total</b>			<b>\$ 601,028</b>	

Notes:

### 1) Total Claim Allocation Table by Class

Class	2016 forecast annual kwh	%	Claim
Residential	2,714,896,670	72.33%	\$ 434,724
General Service less than 50 kw	1,038,581,794	27.67%	\$ 166,304
Totals	3,753,478,464	100.00%	\$ 601,028

Total to be Allocated: \$ 601,028

2) General Service less than 50kw uses "# of customers" as the billing determinant rather than the standard KWH. The reason is because the volumetric kwh basis would create a rate that is zero when rounded to 4 digits. Using the "# of customers" produces a more appropriate non-zero rate.

## Appendix 2-PA New Rate Design Policy For Residential Customers - 2017

Please complete the following tables.

### A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	331,461
kWh	2,689,802,037

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 110,678,684.91
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	13.92
Distribution Volumetric Rate (\$/kWh)	0.0154

### B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	13.92	331,461	\$ 55,367,231.52	57.20%
Variable	0.0154	2,689,802,037	\$ 41,422,951.37	42.80%
<b>TOTAL</b>	-	-	\$ 96,790,182.89	-

### C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years <sup>2</sup>	4
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 63,311,920.58	15.92	\$ 63,322,293.52
Variable	\$ 47,366,764.33	0.0176	\$ 47,340,515.85
<b>TOTAL</b>	\$ 110,678,684.91	-	\$ 110,662,809.37

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Reconciliation @ Adjusted Rates
Fixed	67.90%	\$ 75,153,611.66	18.89	\$ 75,135,560.59
Variable	32.10%	\$ 35,525,073.25	0.0132	\$ 35,505,386.88
<b>TOTAL</b>	-	\$ 110,678,684.91	-	\$ 110,640,947.47

Checks <sup>3</sup>	
Change in Fixed Rate	2.97
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	-\$ 37,737.44
	-0.03%

### Notes:

- The final residential class specific revenue requirement, as shown in Appendix 2-P, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- Default number of transition years for rate design policy change is 4. Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

## Appendix 2-PA New Rate Design Policy For Residential Customers - 2018

Please complete the following tables.

### A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	331,461
kWh	2,689,802,037

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 110,640,947.47
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	18.89
Distribution Volumetric Rate (\$/kWh)	0.0132

### B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	18.89	331,461	\$ 75,135,560.59	67.91%
Variable	0.0132	2,689,802,037	\$ 35,505,386.88	32.09%
<b>TOTAL</b>	-	-	\$ 110,640,947.47	-

### C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years <sup>2</sup>	3
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 75,135,560.59	18.89	\$ 75,135,560.59
Variable	\$ 35,505,386.88	0.0132	\$ 35,505,386.88
<b>TOTAL</b>	\$ 110,640,947.47	-	\$ 110,640,947.47

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Reconciliation @ Adjusted Rates
Fixed	78.61%	\$ 86,970,689.55	21.87	\$ 86,988,602.97
Variable	21.39%	\$ 23,670,257.92	0.0088	\$ 23,670,257.92
<b>TOTAL</b>	-	\$ 110,640,947.47	-	\$ 110,658,860.89

Checks <sup>3</sup>	
Change in Fixed Rate	2.98
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$ 17,913.42
	0.02%

### Notes:

- The final residential class specific revenue requirement, as shown in Appendix 2-P, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- Default number of transition years for rate design policy change is 4. Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

## Appendix 2-PA New Rate Design Policy For Residential Customers - 2019

Please complete the following tables.

### A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	331,461
kWh	2,689,802,037

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 110,658,860.89
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	21.87
Distribution Volumetric Rate (\$/kWh)	0.0088

### B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	21.87	331,461	\$ 86,988,602.97	78.61%
Variable	0.0088	2,689,802,037	\$ 23,670,257.92	21.39%
<b>TOTAL</b>	-	-	\$ 110,658,860.89	-

### C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years <sup>2</sup>	2
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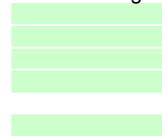
	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 86,988,602.97	21.87	\$ 86,988,602.97
Variable	\$ 23,670,257.92	0.0088	\$ 23,670,257.92
<b>TOTAL</b>	\$ 110,658,860.89	-	\$ 110,658,860.89

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Reconciliation @ Adjusted Rates
Fixed	89.30%	\$ 98,823,731.93	24.85	\$ 98,841,645.35
Variable	10.70%	\$ 11,835,128.96	0.0044	\$ 11,835,128.96
<b>TOTAL</b>	-	\$ 110,658,860.89	-	\$ 110,676,774.31

Checks <sup>3</sup>	
Change in Fixed Rate	2.98
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$ 17,913.42
	0.02%

### Notes:

- The final residential class specific revenue requirement, as shown in Appendix 2-P, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- Default number of transition years for rate design policy change is 4. Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)



## Appendix 2-PA New Rate Design Policy For Residential Customers - 2020

Please complete the following tables.

### A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	331,461
kWh	2,689,802,037

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 110,676,774.31
--	-------------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	24.85
Distribution Volumetric Rate (\$/kWh)	0.0044

### B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	24.85	331,461	\$ 98,841,645.35	89.31%
Variable	0.0044	2,689,802,037	\$ 11,835,128.96	10.69%
<b>TOTAL</b>	-	-	\$ 110,676,774.31	-

### C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years <sup>2</sup>	1
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 98,841,645.35	24.85	\$ 98,841,645.35
Variable	\$ 11,835,128.96	0.0044	\$ 11,835,128.96
<b>TOTAL</b>	\$ 110,676,774.31	-	\$ 110,676,774.31

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Reconciliation @ Adjusted Rates
Fixed	100.00%	\$ 110,676,774.31	27.83	\$ 110,694,687.73
Variable	0.00%	-	0	-
<b>TOTAL</b>	-	\$ 110,676,774.31	-	\$ 110,694,687.73

Checks <sup>3</sup>	
Change in Fixed Rate	2.98
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	\$ 17,913.42
	0.02%

### Notes:

- The final residential class specific revenue requirement, as shown in Appendix 2-P, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- Default number of transition years for rate design policy change is 4. Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

REVISED: Board Decision Appendix 2-BA  
 Fixed Asset Continuity Schedule  
 Year 2015

CCA Class	GL account	Detail Asset Class	Depreciation Rate	Notes	COST (000's)				ACCUMULATIVE DEPRECIATION (000's)				Net Book Value (000's)
					Opening Balance	Additions (3)	Disposals/ Adjustments	Closing Balance	Opening Balance	Additions (3)	Disposals/ Adjustments	Closing Balance	
<b>Distribution Assets</b>													
47	1610	Hydro One TS - Contributed Capital	2.50%		4,953	0	0	4,953	893	288	0	1,181	3,772
n/a	1805	Land	0		22,422	1,125	0	23,547	0	0	0	0	23,547
CEC	1612	Land Rights	0		873	33	0	906	0	0	0	0	906
1	1808	Building & Fixtures	2.50%		6,718	211	0	6,929	801	215	0	1,016	5,913
47	1810	Major spare parts	0		9,878	0	0	9,878	0	0	0	0	9,878
47	1815	Transformer Stations	2.50%	1	103,285	2,968	0	106,253	17,426	4,065	0	21,491	84,762
47	1820	Distribution Stations	3.33%	1	24,316	4,071	0	28,387	5,758	1,444	0	7,202	21,185
47	1830	Poles, Towers & Fixtures	2.22%		144,278	16,590	(87)	160,781	11,025	3,605	(4)	14,626	146,155
47	1835	O/H Cond & Devices	2.50%		124,250	12,857	(130)	136,977	12,224	3,799	(8)	16,015	120,962
47	1840	U/G Conduit	1.67%		97,446	7,573	0	105,019	5,302	1,799	0	7,101	97,918
47	1845	U/G Cond & Devices	2.22%		279,110	37,965	(433)	316,642	23,798	8,059	(23)	31,834	284,808
47	1850	Line Transformers	2.92%	2	163,244	7,463	(1,901)	168,806	24,620	6,936	(166)	31,390	137,416
47	1855	Services (OH and UG)	3.25%	2	68,151	3,653	0	71,804	14,400	3,467	0	17,867	53,937
47	1860	Meters	5.33%	2.6	29,887	2,419	(661)	31,645	5,438	1,891	(330)	6,999	24,646
47	1860	Smart Meters	6.67%		48,834	1,185	0	51,019	14,146	3,648	0	17,794	33,225
47	1875	Streetlighting	4.00%		2,124	2	0	2,126	305	91	0	396	1,730
		<b>Subtotal Distribution Assets</b>	n/a		1,130,769	98,115	(3,212)	1,225,672	136,136	39,307	(531)	174,912	1,050,760
<b>General Plant Assets</b>													
1	1908	Building & Fixtures - Head office	2.00%	1	43,552	3,761	0	47,313	3,744	1,024	0	4,768	42,545
13	1910	Leasehold Improvements	30.00%		191	0	0	191	25	3	0	28	163
8	1915	Office Equipment	10.00%		4,938	97	0	5,035	2,204	596	0	2,800	2,235
50	1920	Computer hardware	20.42%	2	11,327	2,036	0	13,363	5,920	1,949	0	7,869	5,494
12	1611	Computer Software	22.78%	2	16,799	50,844	0	67,643	10,420	5,514	0	15,934	51,709
10	1830	Transportation	9.05%	2	14,303	2,263	0	16,566	5,805	1,814	0	7,619	8,947
8	1935	Stores Equipment	10.00%		145	535	0	680	5	39	0	44	636
8	1940	Tools, Shop & Garage	10.00%		4,317	558	0	4,875	1,678	473	0	2,151	2,724
8	1955	Communication Equipment	21.67%	2	2,235	364	0	2,599	1,547	250	0	1,797	802
8	1960	Miscellaneous equipment	10.00%		0	0	0	0	0	0	0	0	0
47	1980	System Supervisory Equip	7.78%	2	11,304	1,301	0	12,605	4,479	1,032	0	5,511	7,094
47	1990	Other Tangible property	n/a		0	0	0	0	0	0	0	0	0
		<b>Subtotal General Plant Assets</b>	n/a		109,111	61,759	0	170,870	35,827	12,694	0	48,521	122,349
<b>Other Capital</b>													
47	2005	Prop. Under Capital Lease-Addiscott	4.00%		17,549	0	0	17,549	2,926	731	0	3,657	13,892
		<b>Subtotal Other Capital Assets</b>	n/a		17,549	0	0	17,549	2,926	731	0	3,657	13,892
		<b>Total Assets Before Contributed Capital</b>	n/a		1,257,429	159,874	(3,212)	1,414,091	174,889	52,732	(531)	227,090	1,187,001
47	1995/1996	Contributed Capital	varies		(326,846)	(18,323)	993	(344,176)	(35,064)	(9,958)	71	(44,952)	(299,224)
		<b>NET DISTRIBUTION ASSETS</b>	n/a		930,583	141,551	(2,219)	1,069,915	139,825	42,774	(460)	182,138	887,777
		Less Socialized Renewable Energy Generation Investments (input as negative) (5)			(2,891)	(76)	0	(2,967)	(250)	(119)	0	(369)	(2,598)
		Less Other Non Rate-Regulated Utility Assets (input as negative) (4)			172	(2)	0	170	(73)	(44)	0	(117)	287
		<b>Total PP&amp;E</b>			927,864	141,473	(2,219)	1,067,118	139,502	42,611	(460)	181,652	885,466

Less: Fully Allocated Depreciation	
Transportation	\$ 1,814
Stores Equipment	\$ 39
Tools, Shop & Garage	\$ 473
less - Non- distribution	\$ 44
<b>Net Depreciation</b>	<b>\$ 40,404</b>

NOTES:

- This is the depreciation rate on the largest component within the asset class. Actual depreciation is calculated on the specific rate for each component within the class
- This is the average depreciation rate of 2 subclass of assets within the asset group
- Work in progress expenditures have been removed
- Non-distribution assets have been removed. For PowerStream the net impact is adding cost because the removal of the contributed capital on streetlighting nominally exceeded the cost
- Renewable Generation ("RGEN") capital costs for 2014 and unrecovered costs from prior years are included in the closing 2015 fixed assets balances. The renewable generation connection rate protection("RGCRP") additions represents 94% of the above in the amount of \$1,054k. This amount was approved by the OEB and represents the eligible renewable generation connection rate protection total that PowerStream will receive from Ontario ratepayers through the IESO. The residual 6%, otherwise known as the RGEN direct benefit, has been included in the above 2015 fixed asset additions and will be added to rate base to be recovered from PowerStream ratepayers.
- Board decision: Meter additions reduced by \$1,593k due to removal of MIST meters.

REVISED: Board Decision Appendix 2-BA  
 Fixed Asset Continuity Schedule  
 Year 2016

version late Date: September 12, 2016

CCA Class	GL account	Detail Asset Class	Depreciation Rate	Notes	COST (000's)			ACCUMULATIVE DEPRECIATION (000's)				Net Book Value (000's)	
					Opening Balance	Additions (3)	Disposals/ Adjustments	Closing Balance	Opening Balance	Additions (3)	Disposals/ Adjustments		Closing Balance
<b>Distribution Assets</b>													
47	1610	Hydro One TS - Contributed Capital	2.50%		4,953	0	0	4,953	1,181	288	0	1,469	3,484
n/a	1805	Land	0		23,547	2,889	0	26,436	0	0	0	0	26,436
CEC	1612	Land Rights	0		906	34	0	940	0	0	0	0	940
1	1808	Building & Fixtures	2.50%		6,929	76	0	7,005	1,016	219	0	1,235	5,770
47	1810	Major spare parts	0		9,878	0	0	9,878	0	0	0	0	9,878
47	1815	Transformer Stations	2.50%	1	106,253	2,891	0	109,144	21,491	4,135	0	25,626	83,518
47	1820	Distribution Stations	3.33%	1	28,387	491	0	28,878	7,202	1,484	0	8,686	20,192
47	1830	Poles, Towers & Fixtures	2.22%		160,781	23,545	(87)	184,239	14,626	4,060	(4)	18,682	165,557
47	1835	O/H Cond & Devices	2.50%		136,977	24,397	(130)	161,244	16,015	4,229	(8)	20,236	141,008
47	1840	U/G Conduit	1.67%		105,019	6,333	0	111,352	7,101	1,893	0	8,994	102,358
47	1845	U/G Cond & Devices	2.22%		316,642	38,603	(433)	354,812	31,834	9,056	(23)	40,867	313,945
47	1850	Line Transformers	2.92%	2	168,806	13,235	(1,901)	180,140	31,390	7,274	(166)	38,498	141,642
47	1855	Services (OH and UG)	3.25%	2	71,804	4,118	0	75,922	17,867	3,522	0	21,389	54,533
47	1860	Meters	5.33%	2,6	31,645	1,727	(1,176)	32,196	6,999	2,019	(588)	8,430	23,766
47	1860	Smart Meters	6.67%		51,019	2,384	0	53,403	17,794	3,767	0	21,561	31,842
47	1875	Streetlighting	4.00%		2,126	2	0	2,128	396	91	0	487	1,641
		<b>Subtotal Distribution Assets</b>	n/a		1,225,672	120,725	(3,727)	1,342,670	174,912	42,037	(789)	216,160	1,126,510
<b>General Plant Assets</b>													
1	1908	Building & Fixtures - Head office	2.00%	1	47,313	398	0	47,711	4,768	1,068	0	5,836	41,875
13	1910	Leasehold Improvements	30.00%		191	0	0	191	28	(1)	0	27	164
8	1915	Office Equipment	10.00%		5,035	13	0	5,048	2,800	598	0	3,398	1,650
50	1920	Computer hardware	20.42%	2	13,363	2,194	0	15,557	7,869	2,161	0	10,030	5,527
12	1611	Computer Software	22.78%	2	67,643	12,413	0	80,056	15,934	8,853	0	24,787	55,269
10	1930	Transportation	9.05%	2	16,566	3,124	0	19,690	7,619	1,953	0	9,572	10,118
8	1935	Stores Equipment	10.00%		680	0	0	680	44	65	0	109	571
8	1940	Tools, Shop & Garage	10.00%		4,875	478	0	5,353	2,151	498	0	2,649	2,704
8	1955	Communication Equipment	21.67%	2	2,599	268	0	2,867	1,797	209	0	2,006	861
8	1960	Miscellaneous equipment	10.00%		0	0	0	0	0	0	0	0	0
47	1980	System Supervisory Equip	7.78%	2	12,605	1,596	0	14,201	5,511	1,044	0	6,555	7,646
47	1990	Other Tangible property	n/a		0	0	0	0	0	0	0	0	0
		<b>Subtotal General Plant Assets</b>	n/a		170,870	20,484	0	191,354	48,521	16,448	0	64,969	126,385
<b>Other Capital</b>													
47	2005	Prop. Under Capital Lease-Addiscott	4.00%		17,549	0	0	17,549	3,657	733	0	4,390	13,159
		<b>Subtotal Other Capital Assets</b>	n/a		17,549	0	0	17,549	3,657	733	0	4,390	13,159
		<b>Total Assets Before Contributed Capital</b>	n/a		1,414,091	141,209	(3,727)	1,551,573	227,090	59,218	(789)	285,519	1,266,054
47	1995/1996	Contributed Capital	varies		(344,176)	(22,014)	993	(365,197)	(44,952)	(10,620)	71	(55,501)	(309,696)
		<b>NET DISTRIBUTION ASSETS</b>	n/a		1,069,915	119,195	(2,734)	1,186,376	182,138	48,598	(718)	230,018	956,358
		Less Socialized Renewable Energy Generation Investments (input as negative) (5)			(2,967)	(67)	0	(3,034)	(369)	(110)	0	(479)	(2,555)
		Less Other Non Rate-Regulated Utility Assets (input as negative) (4)			170	(2)	0	168	(117)	(44)	0	(161)	329
		<b>Total PP&amp;E</b>			1,067,118	119,126	(2,734)	1,183,510	181,652	48,444	(718)	229,378	954,131

Less: Fully Allocated Depreciation	
Transportation	\$ 1,953
Stores Equipment	\$ 65
Tools, Shop & Garage	\$ 498
less - Non- distribution	\$ 44
<b>Net Depreciation</b>	<b>\$ 46,038</b>

NOTES:

- (1) This is the depreciation rate on the largest component within the asset class. Actual depreciation is calculated on the specific rate for each component within the class.
- (2) This is the average depreciation rate of the subclass of assets within the asset group
- (3) Work in progress expenditures have been removed
- (4) Non-distribution assets have been removed. For PowerStream the net impact is adding cost because the removal of the contributed capital on streetlighting nominally exceeded the cost
- (5) Renewable Generation ("RGEN") capital costs for 2015 are included in the closing 2016 fixed assets balances. The renewable generation connection rate protection("RCGRP") additions represents 94% of the RGEN costs and for 2017 the calculated amount is \$76k. Upon approval PowerStream will receive the recoveries from Ontario ratepayers through the IESO. The residual 6%, otherwise known as the RGEN direct benefit, has been included in the above 2016 fixed asset additions and therefore added to rate base to be recovered from PowerStream ratepayers.
- (6) Board decision: Meter additions reduced by \$1,197k due to removal of MIST meters.

REVISED: Board Decision Appendix 2-BA  
 Fixed Asset Continuity Schedule  
 Year 2017

CCA Class	GL account	Detail Asset Class	Depreciation Rate	Notes	COST (000's)				ACCUMULATIVE DEPRECIATION (000's)				Net Book Value (000's)
					Opening Balance	Additions (3),(6)	Disposals/ Adjustments	Closing Balance	Opening Balance	Additions (3)	Disposals/ Adjustments	Closing Balance	
<b>Distribution Assets</b>													
47	1610	Hydro One TS - Contributed Capital	2.50%		4,953	0	0	4,953	1,469	288	0	1,757	3,196
n/a	1805	Land	0		26,436	0	0	26,436	0	0	0	0	26,436
CEC	1612	Land Rights	0		940	30	0	970	0	0	0	0	970
1	1808	Building & Fixtures	2.50%		7,005	68	0	7,073	1,235	220	0	1,455	5,618
47	1810	Major spare parts	0		9,878	0	0	9,878	0	0	0	0	9,878
47	1815	Transformer Stations	2.50%	1	109,144	24,664	0	133,808	25,626	4,371	0	29,997	103,811
47	1820	Distribution Stations	3.33%	1	28,878	1,711	0	30,589	8,686	1,446	0	10,132	20,457
47	1830	Poles, Towers & Fixtures	2.22%		184,239	22,180	(87)	206,332	18,682	4,560	(4)	23,238	183,094
47	1835	O/H Cond & Devices	2.50%		161,244	20,981	(130)	182,095	20,236	4,748	(8)	24,976	157,119
47	1840	U/G Conduit	1.67%		111,352	6,702	0	118,054	8,994	1,998	0	10,992	107,062
47	1845	U/G Cond & Devices	2.22%		354,812	39,850	(433)	394,229	40,867	10,016	(23)	50,860	343,369
47	1850	Line Transformers	2.92%	2	180,140	13,057	(1,901)	191,296	38,498	7,671	(166)	46,003	145,293
47	1855	Services (OH and UG)	3.25%	2	75,922	3,701	0	79,623	21,389	3,571	0	24,960	54,663
47	1860	Meters	6.33%	2.6	32,196	1,520	(1,176)	32,540	8,430	2,101	(588)	9,943	22,597
47	1860	Smart Meters	6.67%		53,403	1,353	0	54,756	21,561	3,882	0	25,443	29,313
47	1875	Streetlighting	4.00%		2,128	2	0	2,130	487	91	0	578	1,552
		<b>Subtotal Distribution Assets</b>	n/a		1,342,670	135,819	(3,727)	1,474,762	216,160	44,963	(789)	260,334	1,214,428
<b>General Plant Assets</b>													
1	1908	Building & Fixtures - Head office	2.00%	1	47,711	354	0	48,065	5,836	1,073	0	6,909	41,156
13	1910	Leasehold Improvements	30.00%		191	0	0	191	27	(1)	0	26	165
8	1915	Office Equipment	10.00%		5,048	21	0	5,069	3,398	598	0	3,996	1,073
50	1920	Computer hardware	20.42%	2	15,557	2,801	0	18,158	10,030	2,464	0	12,494	5,664
12	1611	Computer Software	22.78%	2	80,056	9,217	0	89,273	24,787	10,009	0	34,796	54,477
10	1930	Transportation	9.05%	2	19,690	2,365	0	22,055	9,572	2,027	0	11,599	10,456
8	1935	Stores Equipment	10.00%		680	0	0	680	109	66	0	175	505
8	1940	Tools, Shop & Garage	10.00%		5,353	417	0	5,770	2,649	505	0	3,154	2,616
8	1955	Communication Equipment	21.67%	2	2,867	452	0	3,319	2,006	209	0	2,215	1,104
8	1960	Miscellaneous equipment	10.00%		0	0	0	0	0	0	0	0	0
47	1980	System Supervisory Equip	7.78%	2	14,201	962	0	15,163	6,555	1,058	0	7,613	7,550
47	1990	Other Tangible property	n/a		0	0	0	0	0	0	0	0	0
		<b>Subtotal General Plant Assets</b>	n/a		191,354	16,389	0	207,743	64,969	18,008	0	82,977	124,766
<b>Other Capital</b>													
47	2005	Prop. Under Capital Lease-Addiscott	4.00%		17,549	0	0	17,549	4,390	731	0	5,121	12,428
		<b>Subtotal Other Capital Assets</b>	n/a		17,549	0	0	17,549	4,390	731	0	5,121	12,428
		<b>Total Assets Before Contributed Capital</b>	n/a		1,551,573	152,208	(3,727)	1,700,054	285,519	63,702	(789)	348,432	1,351,622
47	1995/1996	Contributed Capital	varies		(385,197)	(20,186)	993	(384,390)	(55,501)	(11,277)	71	(66,707)	(317,683)
		<b>NET DISTRIBUTION ASSETS</b>	n/a		1,166,376	132,022	(2,734)	1,315,664	230,018	52,425	(718)	281,725	1,033,939
		Less Socialized Renewable Energy Generation Investments (input as negative) (5)			(3,034)	0	0	(3,034)	(479)	(108)	0	(587)	(2,447)
		Less Other Non Rate-Regulated Utility Assets (input as negative) (4)			168	(2)	0	166	(161)	(44)	0	(205)	371
		<b>Total PP&amp;E</b>			1,183,510	132,020	(2,734)	1,312,796	229,378	52,273	(718)	280,933	1,031,861

Less: Fully Allocated Depreciation	
Transportation	\$ 2,027
Stores Equipment	\$ 66
Tools, Shop & Garage	\$ 505
less - Non- distribution	-\$ 44
<b>Net Depreciation</b>	<b>\$ 49,783</b>

NOTES:

- This is the depreciation rate on the largest component within the asset class. Actual depreciation is calculated on the specific rate for each component within the class.
- This is the average depreciation rate of the subclass of assets within the asset group
- Work in progress expenditures have been removed
- Non-distribution assets have been removed. For PowerStream the net impact is adding cost because the removal of the contributed capital on streetlighting nominally exceeded the cost
- Renewable Generation ("RGEN") accumulative capital costs for 2016 are included in the closing 2017 fixed assets balances. The renewable generation connection rate protection("RGCRP") additions represents 94% of the RGEN costs and for 2017 the calculated amount is \$67k. Upon approval PowerStream will receive the recoveries from Ontario ratepayers through the IESO. The residual 6%, otherwise known as the RGEN direct benefit, has been included in the above 2017 fixed asset additions and is added to rate base to be recovered from PowerStream ratepayers.
- Board decision: Capital additions reduced by \$12,338K, consisting of \$11,034k prorated to all assets classes and \$1,304k applicable to MIST meters.



## ICM True-Up Model

Version 4.00

Utility Name	PowerStream Inc.
Assigned EB Number	EB-2015-0103
Name and Title	Tom Barrett, Manager, Rates Applications
Phone Number	905-532-4640
Email Address	<a href="mailto:tom.barrett@powerstream.ca">tom.barrett@powerstream.ca</a>
Date	24-Feb-15
Last COS Re-based Year	2013

**Note:** Drop-down lists are shaded blue; Input cells are shaded green.

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## ICM True-Up Model for Electricity Distributors

### Sheet 2: ICM Capital Cost Data

2014

Audited Actual

#### 1 Capital Costs

##### ICP 1 UNDERGROUND CABLE REHABILITATION

ICP 1.1  
 ICP 1.2  
 ICP 1.3  
 ICP 1.4  
 ICP 1.5  
 ICP 1.6  
 ICP 1.7  
 ICP 1.8  
 ICP 1.9  
 ICP 1.10

Asset Type  
 Asset type must be selected to enable calculations

Asset Type	Audited Actual
Poles	24,226
Overhead Conductor	19,823
Underground Conduit	2,305,442
Underground Conductor	723,816
Underground Injected Cable	3,890,145
Underground Transformers	49,234
Overhead Transformers	393
Overhead Services	3,551
<b>Total Underground Cable Rehabilitation</b>	<b>\$ 7,016,630</b>

**Total Underground Cable Rehabilitation**

##### ICP 2 SYSTEM RENEWAL - POLE REPLACEMENTS

ICP 2.1.  
 ICP 2.2  
 ICP 2.3  
 ICP 2.4  
 ICP 2.5  
 ICP 2.6  
 ICP 2.7  
 ICP 2.8  
 ICP 2.9  
 ICP 2.10

Asset Type

Asset Type	Audited Actual
Poles	961,466
Overhead Conductor	406,931
Underground Conductor	56,172
Overhead Transformers	117,810
Underground Transformers	12,990
Overhead Services	79,026
Underground Conduit	19,646
System Supervisory Equipment	175
Distribution Station Equipment - Normally Primary below 50 kV	146
Underground Injected Cable	51
<b>Total System Renewal - Pole Replacements</b>	<b>\$ 1,654,412</b>

**Total System Renewal - Pole Replacements**

##### ICP 3 SYSTEM RENEWAL - STATION REPLACEMENTS

ICP 3.1  
 ICP 3.2  
 ICP 3.3  
 ICP 3.4  
 ICP 3.5  
 ICP 3.6  
 ICP 3.7  
 ICP 3.8  
 ICP 3.9  
 ICP 3.10

Asset Type

Asset Type	Audited Actual
Poles	25,605
Overhead Conductor	79,225
RTU's	79,025
Underground Conductor	3,329
Underground Transformers	74
Overhead Services	509
System Supervisory Equipment	320
Distribution Station Equipment - Normally Primary below 50 kV	9,923
Transformer Station Equipment - Normally Primary above 50 kV	125,164
<b>Total System Renewal - Station Replacements</b>	<b>\$ 323,174</b>

**Total System Renewal - Station Replacements**

##### ICP 4 SYSTEM RENEWAL - SWITCHGEAR & TRANSFORMER REPLACEMENTS

ICP 4.1

Asset Type

Asset Type	Audited Actual
Poles	9,421

ICP 4.2	Overhead Conductor	2,502
ICP 4.3	Underground Conduit	186,340
ICP 4.4	Underground Conductor	925,519
ICP 4.5	Overhead Transformers	12
ICP 4.6	Underground Transformers	165,200
ICP 4.7	Overhead Services	23,764
ICP 4.8	RTU's	-7,819
ICP 4.9	Distribution Station Equipment - Normally Primary below 50 kV	2,217
ICP 4.10	Land Rights	19
<b>Total System Renewal - Switchgear &amp; Transformer Replacements</b>		<b>\$ 1,307,175</b>

**ICP 5 SYSTEM CAPACITY RELIEF**

	Asset Type	Audited Actual
ICP 5.1	Poles	285,853
ICP 5.2	Overhead Conductor	193,612
ICP 5.3	Underground Conduit	87,407
ICP 5.4	Underground Conductor	75,667
ICP 5.5	Overhead Transformers	10,496
ICP 5.6	Overhead Services	-470
ICP 5.7	RTU's	2,324
ICP 5.8		
ICP 5.9		
ICP 5.10		
<b>Total System Capacity Relief</b>		<b>\$ 654,890</b>
<b>Total Capital Costs Related to Incremental Capital Projects (ICP)</b>		<b>\$ 10,956,281</b>

**OTHER CAPITAL COST**

	Asset Type	Audited Actual
A		
B		
C		
<b>Total Other Capital Costs</b>		<b>\$ -</b>
<b>Total ICM Capital Costs</b>		<b>\$ 10,956,281</b>

**2 Aggregated ICM Costs by Category**

2.1	Capital	Account	
2.1.1	Poles	1830	\$ 1,306,572
2.1.2	Overhead Conductor	1835	\$ 702,093
2.1.3	Underground Conduit	1840	\$ 2,598,835
2.1.4	Underground Conductor	1845	\$ 1,784,503
2.1.5	Underground Injected Cable	1846	\$ 3,890,196
2.1.6	Overhead Transformers	1849	\$ 128,712
2.1.7	Underground Transformers	1850	\$ 227,498
2.1.8	Overhead Services	1855	\$ 106,380
2.1.9	RTU's	1981	\$ 73,531
2.1.10	System Supervisory Equipment	1980	\$ 494
2.1.11	Distribution Station Equipment - Normally Primary below 50 kV	1820	\$ 12,286
2.1.12	Transformer Station Equipment - Normally Primary above 50 kV	1815	\$ 125,164
2.1.13	Land Rights	1612	\$ 19
2.1.14			
<b>Total Capital Costs</b>			<b>\$ 10,956,281</b>



### Sheet 3: Parameters and Rates

	2014
<b>Cost of Capital</b>	
<b>Capital Structure</b>	
Deemed Short-term Debt Capitalization	4.0%
Deemed Long-term Debt Capitalization	56.0%
Deemed Equity Capitalization	40.0%
Preferred Shares	
<b>Total</b>	100.0%
<b>Cost of Capital Parameters</b>	
Deemed Short-term Debt Rate	2.08%
Long-term Debt Rate (actual/embedded/deemed) <sup>1</sup>	4.15%
Target Return on Equity (ROE)	8.93%
Return on Preferred Shares	
<b>WACC</b>	5.98%
<b>Working Capital Allowance</b>	
Working Capital Allowance Rate	13.0%
<i>(% of the sum of Cost of Power + controllable expenses)</i>	
<b>Taxes/PILs</b>	
Aggregate Corporate Income Tax Rate	26.00%
Capital Tax (until July 1st, 2010)	0.00%

**Depreciation Rates**

*(expressed as expected useful life in years)*

	<b>Account</b>		
Poles - years	<b>1830</b>	45	
- rate (%)			2.22%
Overhead Conductor - years	<b>1835</b>	40	
- rate (%)			2.50%
Underground Conduit - years	<b>1840</b>	60	
- rate (%)			1.67%
Underground Conductor - years	<b>1845</b>	45	
- rate (%)			2.22%
U/G Injected Cable - years	<b>1846</b>	20	
- rate (%)			5.00%
Overhead Transformers - years	<b>1849</b>	40	
- rate (%)			2.50%
Underground Transformers - years	<b>1850</b>	30	
- rate (%)			3.33%
OH Services - years	<b>1855</b>	40	
- rate (%)			2.50%
RTU's - years	<b>1981</b>	15	
- rate (%)			6.67%
System Supervisory Equipment - years	<b>1980</b>	15	
- rate (%)			6.67%
Distribution Station Equipment - years	<b>1820</b>	30	
- rate (%)			3.33%
Transformer Station Equipment - years	<b>1815</b>	40	
- rate (%)			2.50%
Land Rights - years	<b>1612</b>	-	<i>no depreciation (ECE)</i>
- rate (%)			0.00%

**CCA Rates**

Poles - CCA Class	47
Pole - CCA Rate	8%
Overhead Conductor - CCA Class	47
Overhead Conductor - CCA Rate	8%
Underground Conduit - CCA Class	47
Underground Conduit - CCA Rate	8%
Underground Conductor - CCA Class	47
Underground Conductor - CCA Rate	8%
U/G Injected Cable - CCA Class	47
U/G Injected Cable - CCA Rate	8%
Overhead Transformers - CCA Class	47
Overhead Transformers - CCA Rate	8%
Underground Transformers - CCA Class	47
Underground Transformers - CCA Rate	8%
OH Services - CCA Class	47
OH Services - CCA Rate	8%
RTU's - CCA Class	8
RUT's - CCA Rate	20%
System Supervisory Equipment - CCA Class	8
System Supervisory Equipment - CCA Rate	20%
Distribution Station Equipment - CCA Class	47
Distribution Station Equipment - CCA Rate	8%
Transformer Station Equipment - CCA Class	47
Transformer Station Equipment - CCA Rate	8%
Land Rights - CCA Class	
Land Rights - CCA Rate	

**Assumptions**

<sup>1</sup> Fiscal calendar year (January 1 to December 31) used.

<sup>3</sup> Amortization is done on a straight line basis and no "half-year" rule applied.



## Sheet 4: ICM Assets - Net Book Value

2014

### Net Fixed Assets - Poles

#### Gross Book Value

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 1,306,572
Retirements/Removals (if applicable)	
Closing Balance	\$ 1,306,572

#### Accumulated Depreciation

Opening Balance	
Amortization expense during year	-\$ 29,035
Retirements/Removals (if applicable)	
Closing Balance	-\$ 29,035

#### Net Book Value

Opening Balance	\$ -
Closing Balance	\$ 1,277,537
<b>Incremental CAPEX</b>	<b>\$ 1,277,537</b>

### Net Fixed Assets - Overhead Conductor

#### Gross Book Value

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 702,093
Retirements/Removals (if applicable)	
Closing Balance	\$ 702,093

#### Accumulated Depreciation

Opening Balance	
Amortization expense during year	-\$ 17,552
Retirements/Removals (if applicable)	
Closing Balance	-\$ 17,552

**Net Book Value**

Opening Balance	\$	-
Closing Balance	\$	684,541
<b>Incremental CAPEX</b>	<b>\$</b>	<b>684,541</b>

**Net Fixed Assets - Underground Conduit**

**Gross Book Value**

Opening Balance		
Capital Additions during year (from ICM Costs)	\$	2,598,835
Retirements/Removals (if applicable)		
Closing Balance	\$	2,598,835

**Accumulated Depreciation**

Opening Balance		
Amortization expense during year	-\$	43,314
Retirements/Removals (if applicable)		
Closing Balance	-\$	43,314

**Net Book Value**

Opening Balance	\$	-
Closing Balance	\$	2,555,521
<b>Incremental CAPEX</b>	<b>\$</b>	<b>2,555,521</b>

**Net Fixed Assets - Underground Conductor**

**Gross Book Value**

Opening Balance		
Capital Additions during year (from ICM Costs)	\$	1,784,503
Retirements/Removals (if applicable)		
Closing Balance	\$	1,784,503

**Accumulated Depreciation**

Opening Balance		
Amortization expense during year	-\$	39,656
Retirements/Removals (if applicable)		
Closing Balance	-\$	39,656

**Net Book Value**

Opening Balance	\$	-
Closing Balance	\$	1,744,847
<b>Incremental CAPEX</b>	<b>\$</b>	<b>1,744,847</b>

**Net Fixed Assets - U/G Injected Cable**

**Gross Book Value**

Opening Balance		
Capital Additions during year (from ICM Costs)	\$	3,890,196
Retirements/Removals (if applicable)		
Closing Balance	\$	3,890,196

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 194,510
Retirements/Removals (if applicable)	
Closing Balance	-\$ 194,510

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 3,695,686
<b>Incremental CAPEX</b>	<b>\$ 3,695,686</b>

**Net Fixed Assets - OH Transformers**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 128,712
Retirements/Removals (if applicable)	
Closing Balance	\$ 128,712

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 3,218
Retirements/Removals (if applicable)	
Closing Balance	-\$ 3,218

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 125,494
<b>Incremental CAPEX</b>	<b>\$ 125,494</b>

**Net Fixed Assets - UG Transformers**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 227,498
Retirements/Removals (if applicable)	
Closing Balance	\$ 227,498

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 7,583
Retirements/Removals (if applicable)	
Closing Balance	-\$ 7,583

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 219,914
<b>Incremental CAPEX</b>	<b>\$ 219,914</b>

**Net Fixed Assets - OH Services**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 106,380
Retirements/Removals (if applicable)	
Closing Balance	\$ 106,380

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 2,660
Retirements/Removals (if applicable)	
Closing Balance	-\$ 2,660

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 103,721
<b>Incremental CAPEX</b>	<b>\$ 103,721</b>

**Net Fixed Assets - RTUs**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 73,531
Retirements/Removals (if applicable)	
Closing Balance	\$ 73,531

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 4,902
Retirements/Removals (if applicable)	
Closing Balance	-\$ 4,902

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 68,629
<b>Incremental CAPEX</b>	<b>\$ 68,629</b>

**Net Fixed Assets - System Supervisory Equipment**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 494
Retirements/Removals (if applicable)	
Closing Balance	\$ 494

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 33
Retirements/Removals (if applicable)	
Closing Balance	-\$ 33

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 461
<b>Incremental CAPEX</b>	<b>\$ 461</b>

**Net Fixed Assets - Distribution Station Equipment**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 12,286
Retirements/Removals (if applicable)	
Closing Balance	\$ 12,286

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 410
Retirements/Removals (if applicable)	
Closing Balance	-\$ 410

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 11,876
<b>Incremental CAPEX</b>	<b>\$ 11,876</b>

**Net Fixed Assets - Transformer Station Equipment**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 125,164
Retirements/Removals (if applicable)	
Closing Balance	\$ 125,164

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	-\$ 3,129
Retirements/Removals (if applicable)	
Closing Balance	-\$ 3,129

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 122,034
<b>Incremental CAPEX</b>	<b>\$ 122,034</b>

**Net Fixed Assets - Land Rights**

**Gross Book Value**

Opening Balance	
Capital Additions during year (from ICM Costs)	\$ 19
Retirements/Removals (if applicable)	
Closing Balance	\$ 19

**Accumulated Depreciation**

Opening Balance	
Amortization expense during year	\$ -
Retirements/Removals (if applicable)	
Closing Balance	\$ -

**Net Book Value**

Opening Balance	\$ -
Closing Balance	\$ 19
<b>Incremental CAPEX</b>	<b>\$ 19</b>

<b>Additions</b>	<b>\$ 10,956,281</b>	<b>#</b>
<b>Incremental CAPEX</b>	<b>\$ 10,610,281</b>	<b>#</b>
<b>Total Amortization</b>	<b>-\$ 346,001</b>	<b>#</b>



## ICM True-Up Model for Electricity Distributors

### Sheet 6: CCA For PILs Calculation

#### UCC/Class 47

	2014 Audited Actual
Opening UCC	\$ -
Capital Additions	\$ 10,882,256
Retirements/Removals (if applicable)	<u>                    </u>
UCC Full Year	<u>\$ 10,882,256</u>

CCA Rate Class	47
CCA Rate	8%
CCA	\$ 870,580
Closing UCC	<u>\$ 10,011,676</u>

#### UCC/Class 8

	2014 Audited Actual
Opening UCC	\$ -
Capital Additions RTU's	\$ 74,025
Retirements/Removals (if applicable)	<u>                    </u>
UCC Full Year	<u>\$ 74,025</u>

CCA Rate Class	8
CCA Rate	20%
CCA	\$ 14,805
Closing UCC	<u>\$ 59,220</u>



**Sheet 6: Incremental Capital Adjustment**

2014 IRM

Return on Rate Base			
Incremental Capital CAPEX		\$	10,956,281
Depreciation Expense		\$	346,001
Incremental Capital CAPEX to be included in Rate Base		\$	10,610,281
Deemed ShortTerm Debt %	4.0%	E	\$ 424,411
Deemed Long Term Debt %	56.0%	F	\$ 5,941,757
Short Term Interest	2.08%	I	\$ 8,828
Long Term Interest	4.15%	J	\$ 246,583
Return on Rate Base - Interest		\$	255,411
Deemed Equity %	40.0%	N	\$ 4,244,112
Return on Rate Base -Equity	8.93%	O	\$ 378,999
Return on Rate Base - Total		\$	634,410

$B$   
 $C$   
 $D = B - C$   
 $G = D * E$   
 $H = D * F$   
 $K = G * I$   
 $L = H * J$   
 $M = K + L$   
 $P = D * N$   
 $Q = P * O$   
 $R = M + Q$

	\$	11,326,840
	\$	260,582
	\$	11,066,259
4.0%	\$	442,650
56.0%	\$	6,197,105
2.08%	\$	9,207
4.15%	\$	256,898
	\$	266,105
40.0%	\$	4,426,503
8.93%	\$	395,287
	\$	661,392

Amortization Expense			
Amortization Expense - Incremental		C	\$ 346,001

$S$

	\$	260,582
--	----	---------

Grossed up PIL's			
Regulatory Taxable Income		O	\$ 378,999
Add Back Amortization Expense		S	\$ 346,001
Deduct CCA			\$ 885,386
Incremental Taxable Income			\$ 160,386
Current Tax Rate (F1.1 Z-Factor Tax Changes)	26.0%	X	
PIL's Before Gross Up			-\$ 41,700
Incremental Grossed Up PIL's			-\$ 56,352

$T$   
 $U$   
 $V$   
 $W = T + U - V$   
 $Y = W * X$   
 $Z = Y / (1 - X)$

	\$	395,287
	\$	260,582
	\$	906,147
	-\$	250,279
26.0%		
	-\$	65,073
	-\$	87,936

Ontario Capital Tax			
Incremental Capital CAPEX		\$	10,956,281
Less : Available Capital Exemption (if any)		\$	-
Incremental Capital CAPEX subject to OCT		\$	10,956,281
Ontario Capital Tax Rate (F1.1 Z-Factor Tax Changes)	0.000%	AD	
Incremental Ontario Capital Tax		\$	-

$AA$   
 $AB$   
 $AC = AA - AB$   
 $AE = AC * AD$

	\$	11,326,840
	\$	-
	\$	11,326,840
	\$	-

Incremental Revenue Requirement			
Return on Rate Base - Total	Q	\$	634,410
Amortization Expense - Total	S	\$	346,001
Incremental Grossed Up PIL's	Z	-\$	56,352
Incremental Ontario Capital Tax	AE	\$	-
Incremental Revenue Requirement		\$	924,059

$AF$   
 $AG$   
 $AH$   
 $AI$   
 $AJ = AF + AG + AH + AI$

	\$	661,392
	\$	260,582
	-\$	87,936
	\$	-
	\$	834,037



## ICM True-Up Model for Electricity Distributors

This worksheet calculates the funding adder revenues.

### Sheet 7: ICM Funding Adder Revenues

#### Account 1511 - Sub-account ICM Funding Adder Revenues

Prescribed Interest Rates	Approved Deferral and Variance Accounts	CWIP	Date	Year	Quarter	Opening Balance (Principal)	Funding Adder Revenues	Interest Rate	Interest	Principal & Interest (Cumm.)	Board Approved ICM Funding Adder	Board Approved ICM Funding Adder (Cumm.)
2006 Q1			Jan-14	2014	Q1	\$ -	\$ -	1.47%	\$ -	\$ -	\$ -	\$ -
2006 Q2	4.14%	4.68%	Feb-14	2014	Q1	\$ -	\$ -	1.47%	\$ -	\$ -	\$ -	\$ -
2006 Q3	4.59%	5.05%	Mar-14	2014	Q1	\$ -	\$ 81,633.07	1.47%	\$ -	\$ 81,633.07	\$ 83,403.75	\$ 83,403.75
2006 Q4	4.59%	4.72%	Apr-14	2014	Q2	\$ 81,633.07	\$ 79,489.14	1.47%	\$ 100.00	\$ 161,222.21	\$ 83,403.75	\$ 166,807.50
2007 Q1	4.59%	4.72%	May-14	2014	Q2	\$ 161,122.21	\$ 101,852.75	1.47%	\$ 197.37	\$ 263,272.33	\$ 83,403.75	\$ 250,211.24
2007 Q2	4.59%	4.72%	Jun-14	2014	Q2	\$ 262,974.96	\$ 88,915.12	1.47%	\$ 322.14	\$ 352,509.59	\$ 83,403.75	\$ 333,614.99
2007 Q3	4.59%	5.18%	Jul-14	2014	Q3	\$ 351,890.08	\$ 96,907.28	1.47%	\$ 431.07	\$ 449,847.94	\$ 83,403.75	\$ 417,018.74
2007 Q4	5.14%	5.18%	Aug-14	2014	Q3	\$ 448,797.36	\$ 102,961.39	1.47%	\$ 549.78	\$ 553,359.11	\$ 83,403.75	\$ 500,422.49
2008 Q1	5.14%	5.18%	Sep-14	2014	Q3	\$ 551,758.75	\$ 98,095.57	1.47%	\$ 675.90	\$ 652,130.58	\$ 83,403.75	\$ 583,826.24
2008 Q2	4.08%	5.18%	Oct-14	2014	Q4	\$ 649,854.32	\$ 93,325.99	1.47%	\$ 796.07	\$ 746,252.64	\$ 83,403.75	\$ 667,229.98
2008 Q3	3.35%	5.43%	Nov-14	2014	Q4	\$ 743,180.31	\$ 87,338.40	1.47%	\$ 910.40	\$ 834,501.44	\$ 83,403.75	\$ 750,633.73
2008 Q4	3.35%	5.43%	Dec-14	2014	Q4	\$ 830,518.71	\$ 96,981.68	1.47%	\$ 1,017.39	\$ 932,500.51	\$ 83,403.75	\$ 834,037.48
2009 Q1	2.45%	6.61%	Jan-15	2015	Q1	\$ 927,500.39	\$ 83,727.57	1.47%	\$ 1,136.19	\$ 1,017,364.27	\$ 69,503.12	\$ 903,540.60
2009 Q2	1.00%	6.61%	Feb-15	2015	Q1	\$ 1,011,227.96	\$ 79,245.51	1.47%	\$ 1,238.75	\$ 1,097,848.53	\$ 69,503.12	\$ 973,043.73
2009 Q3	0.55%	5.67%	Mar-15	2015	Q1	\$ 1,090,473.47	\$ 84,672.98	1.47%	\$ 1,335.83	\$ 1,183,857.34	\$ 69,503.12	\$ 1,042,546.85
2009 Q4	0.55%	4.66%	Apr-15	2015	Q2	\$ 1,175,146.45	\$ 78,624.76	1.47%	\$ 1,439.55	\$ 1,263,921.65	\$ 69,503.12	\$ 1,112,049.97
2010 Q1	0.55%	4.34%	May-15	2015	Q2	\$ 1,253,771.21	\$ 25,693.22	1.47%	\$ 1,535.87	\$ 1,239,764.26	\$ 69,503.12	\$ 1,181,553.10
2010 Q2	0.55%	4.34%	Jun-15	2015	Q2	\$ 1,228,077.95	\$ 180,243.32	1.47%	\$ 1,504.40	\$ 1,421,511.98	\$ 69,503.12	\$ 1,251,056.22
2010 Q3	0.89%	4.66%	Jul-15	2015	Q3	\$ 1,408,321.27	\$ 88,985.05	1.47%	\$ 1,725.19	\$ 1,512,222.22	\$ 69,503.12	\$ 1,320,559.34
2010 Q4	1.20%	4.01%	Aug-15	2015	Q3	\$ 1,497,306.32	\$ 84,666.00	1.47%	\$ 1,834.20	\$ 1,598,722.42	\$ 69,503.12	\$ 1,390,062.47
2011 Q1	1.47%	4.29%	Sep-15	2015	Q3	\$ 1,581,972.32	\$ 84,780.95	1.47%	\$ 1,937.92	\$ 1,685,441.29	\$ 69,503.12	\$ 1,459,565.59
2011 Q2	1.47%	4.29%	Oct-15	2015	Q4	\$ 1,666,753.27	\$ 84,537.40	1.47%	\$ 2,041.77	\$ 1,772,020.46	\$ 69,503.12	\$ 1,529,068.71
2011 Q3	1.47%	4.29%	Nov-15	2015	Q4	\$ 1,751,290.67	\$ 70,041.17	1.47%	\$ 2,145.33	\$ 1,844,206.96	\$ 69,503.12	\$ 1,598,571.84
2011 Q4	1.47%	3.92%	Dec-15	2015	Q4	\$ 1,821,331.84	\$ 76,251.07	1.47%	\$ 2,231.13	\$ 1,922,689.16	\$ 69,503.12	\$ 1,668,074.96
2012 Q1	1.47%	3.92%	Jan-16	2016	Q1	\$ 1,897,582.91						
2012 Q2	1.47%	3.23%	Feb-16	2016	Q1	\$ 1,897,582.91						
2012 Q3	1.47%	3.23%	Mar-16	2016	Q1	\$ 1,897,582.91						
2012 Q4	1.47%	3.70%	Apr-16	2016	Q2	\$ 1,897,582.91						
2013 Q1	1.47%	3.70%	May-16	2016	Q2	\$ 1,897,582.91						
2013 Q2	1.47%	3.17%	Jun-16	2016	Q2	\$ 1,897,582.91						
2013 Q3	1.47%	3.17%	Jul-16	2016	Q3	\$ 1,897,582.91						
2013 Q4	1.47%	3.17%	Aug-16	2016	Q3	\$ 1,897,582.91						
2014 Q1	1.47%	3.70%	Sep-16	2016	Q3	\$ 1,897,582.91						
2014 Q2	1.47%	3.17%	Oct-16	2016	Q4	\$ 1,897,582.91						
2014 Q3	1.47%	3.17%	Nov-16	2016	Q4	\$ 1,897,582.91						
2014 Q4	1.47%	3.17%	Dec-16	2016	Q4	\$ 1,897,582.91						
2015 Q1	1.47%	2.89%										
2015 Q2	1.10%	2.28%										
2015 Q3	1.10%	2.55%										
2015 Q4	1.10%	2.55%										
2016 Q1	1.10%	2.92%										
2016 Q2	1.10%	2.92%										
2016 Q3	1.10%	2.92%										
2016 Q4	1.10%	2.92%										
Total Funding Adder Revenues Collected						\$ 1,897,582.91	\$ 25,106.25	\$ 1,922,689.16				

NOTE: Funding adder revenues are up to December 2015 actuals and Jan-Dec 2016 forecasted @approved rates x 2016 billing determinants)



This worksheet calculates the interest on amortization/depreciation expense, in the absence of monthly data.

**Sheet 8: Interest on Amortization (Annual Data)**

Year	OM&A	Amortization Expense (from Sheet 6)	Cumulative OM&A and Amortization Expense	Average Cumulative OM&A and Amortization Expense	Average Annual Prescribed Interest Rate for Deferral and Variance Accounts (from Sheet 7)	Simple Interest on OM&A and Amortization Expenses
2014	\$ -	\$ 346,000.76	\$ 346,000.76	\$ 173,000.38	1.47%	\$ 2,543.11
2015	\$ -	\$ 346,000.76	\$ 692,001.53	\$ 519,001.15	1.19%	\$ 6,189.09
<b>Cumulative Interest to 2014</b>						<b>\$ 2,543.11</b>
<b>Cumulative Interest to 2015</b>						<b>\$ 8,732.19</b>



## ICM True-Up Model for Electricity Distributors

This worksheet calculates the ICM Incremental Revenue Requirement.

### Sheet 9: ICM Incremental Revenue Requirement

	2014	2015	Total
Deferred and forecasted ICM Incremental Revenue Requirement (from Sheet 6)	<b>\$ 924,059</b>	<b>\$ 924,059</b>	<b>\$ 1,848,118</b>
Interest on Deferred and forecasted Amortization Expense (Sheet 8)	\$ 2,543	\$ 6,189	\$ 8,732
ICM Funding Adder Revenues (from Sheet 7)	\$ 927,500	\$ 970,083	\$ 1,897,583
ICM Funding Adder Interest (from Sheet 7)	\$ 5,000	\$ 20,106	\$ 25,106
<b>Net Deferred Revenue Requirement</b>	<b>-\$ 5,898</b>	<b>-\$ 59,941</b>	<b>-\$ 65,839</b>

**PowerStream Rate Application EB-2015-0003**  
**Schedule O**

**2017 Closing WIP Calculation**

**2017 PP&E Change based on OEB Decision August 4, 2016 (\$millions)**

Description	Sep. 12, 2016 DRO	Aug. 21, 2015 Update	Change
Opening Work in Progress ("WIP")	\$57.5)	\$57.5)	\$0.0)
Capital Expenditures (Note 1)	\$114.5)	\$131.5)	(\$17.0)
Closing WIP (See below)	(\$40.0)	(\$44.6)	\$4.6)
<b>2017 In-service Additions</b>	<b>\$132.0)</b>	<b>\$144.4)</b>	<b>(\$12.4)</b>

Notes:

1. 2017 revised reflects the approved amount of \$115.8 million less \$1.3 million for the removal of 2017 GS>50 TOU meters.

**2017 Closing WIP Worksheet (\$millions)**

Description	Sep. 12, 2016 DRO	Aug. 21, 2015 Update	Change	Notes
Specific 2017 Projects - Transformer stations ("TS") and Distribution stations ("DS")	\$9.4)	\$9.4)	\$0.0)	1
Base 2017 WIP - % of Capital	29.72%	29.72%	0.00%	2
Normalized 2017 Base Capital Expenditures	\$102.8)	\$118.4)	(\$15.6)	3
Calculated Base 2017 WIP	\$30.6)	\$35.2)	(\$4.6)	
Closing 2017 WIP	\$40.0)	\$44.6)	(\$4.6)	

Notes:

1. Specific TS and DS projects that are known WIP and therefore separated from Base WIP calculation
2. Calculated % applied to normalized base capital expenditures. 3 year average was used

Normalized capital expenditures are infrastructure distribution projects that commonly occur throughout a utilities annual capital program. New TS and DS are not typically found in PS's annual capital program and

3. therefore removed for the purposes of calculating base WIP.

Description	[million's]
Filed 2017 Capex	131.5
add back: Contributed Capital	22.9
Gross Capex	154.4
less: TS and MS	(9.4)
less: Non-wipe capex (1)	(26.6)
Normalized 2017 Filed Base Capital Expenditures	118.4
less: Board Decision - Reduction to Capex	(15.6)
Adjusted Normalized 2017 Base Capital Expenditures	102.8

Notes:

- 1) Non-WIP capital expenditures are capital costs that are general plant assets or short duration capital projects that are not usually associated with WIP and therefore removed for the purposes of determining a normalized capital base.

**2017 In-Service Capital Additions (\$ thousands)**

USoA Account	Asset Class	Revised per DRO	August 2015 Update	Change
1610	Hydro One TS - Contributed Capital	\$0	\$0	\$0
1805	Land	\$0	\$0	\$0
1612	Land Rights	\$30	\$34	(\$4)
1808	Building & Fixtures	\$68	\$77	(\$9)
1810	Major spare parts	\$0	\$0	\$0
1815	Transformer Stations	\$24,664	\$24,962	(\$298)
1820	Distribution Stations	\$1,711	\$2,886	(\$1,175)
1830	Poles, Towers & Fixtures	\$22,180	\$24,299	(\$2,119)
1835	O/H Cond & Devices	\$20,981	\$23,360	(\$2,379)
1840	U/G Conduit	\$6,702	\$7,083	(\$381)
1845	U/G Cond & Devices	\$39,850	\$43,436	(\$3,586)
1850	Line Transformers	\$13,057	\$13,586	(\$529)
1855	Services (OH and UG)	\$3,701	\$4,203	(\$502)
1860	Meters	\$2,824	\$3,207	(\$383)
1860	Smart Meters	\$1,353	\$1,536	(\$183)
1875	Streetlighting	\$2	\$2	\$0
	<b>Subtotal System Assets</b>	\$137,123	\$148,671	(\$11,548)
1908	Building & Fixtures - Head office	\$354	\$403	(\$49)
1910	Leasehold Improvements	\$0	\$0	\$0
1915	Office Equipment	\$21	\$24	(\$3)
1920	Computer hardware	\$2,601	\$2,954	(\$353)
1611	Computer Software	\$9,217	\$10,466	(\$1,249)
1930	Transportation	\$2,365	\$2,686	(\$321)
1935	Stores Equipment	\$0	\$0	\$0
1940	Tools, Shop & Garage	\$417	\$473	(\$56)
1955	Communication Equipment	\$452	\$513	(\$61)
1960	Miscellaneous equipment	\$0	\$0	\$0
1980	System Supervisory Equip	\$962	\$1,093	(\$131)
1990	Other Tangible property	\$0	\$0	\$0
	<b>Subtotal General Plant Assets</b>	\$16,389	\$18,612	(\$2,223)
2005	Prop. Under Capital Lease-Addiscott	\$0	\$0	\$0
	<b>Subtotal Other Capital Assets</b>	\$0	\$0	\$0
	<b>Total Assets Before Contributed Capital</b>	\$153,512	\$167,283	(\$13,771)
1995/1996	Contributed Capital	(\$20,186)	(\$22,923)	\$2,737
	<b>NET DISTRIBUTION ASSETS</b>	\$133,326	\$144,360	(\$11,034)
	<b>Less Socialized Renew. Energy Generation</b>	\$0	\$0	\$0
	<b>Less Other Non Rate-Regulated Utility Assets</b>	(\$2)	(\$2)	\$0
	<b>Total PP&amp;E</b>	\$133,324	\$144,358	(\$11,034)

PowerStream DRO EB-2015-0003  
Schedule Q - Comparison of 2017 Depreciation Expense (\$thousands)

USoA Account	Asset Class	2017 In-Service Capital Additions			2017 Depreciation Expense					Note
		Revised per DRO	August 2015 Update	Change	Amortization Rate	Expected Change	Revised per DRO	August 2015 Update	Change	
1610	Hydro One TS - Contributed Capital	\$0	\$0	\$0	2.500%	\$0	\$288	\$288	\$0	
1805	Land	\$0	\$0	\$0	0.000%	\$0	\$0	\$0	\$0	
1612	Land Rights	\$30	\$34	(\$4)	0.000%	\$0	\$0	\$0	\$0	
1808	Building & Fixtures	\$68	\$77	(\$9)	2.500%	(\$0)	\$220	\$220	\$0	
1810	Major spare parts	\$0	\$0	\$0	0.000%	\$0	\$0	\$0	\$0	
1815	Transformer Stations	\$24,664	\$24,962	(\$298)	2.500%	(\$4)	\$4,371	\$4,377	(\$6)	
1820	Distribution Stations	\$1,711	\$2,886	(\$1,175)	3.333%	(\$20)	\$1,446	\$1,461	(\$15)	1
1830	Poles, Towers & Fixtures	\$22,180	\$24,299	(\$2,119)	2.222%	(\$24)	\$4,560	\$4,583	(\$23)	
1835	O/H Cond & Devices	\$20,981	\$23,360	(\$2,379)	2.500%	(\$30)	\$4,748	\$4,778	(\$30)	
1840	U/G Conduit	\$6,702	\$7,083	(\$381)	1.667%	(\$3)	\$1,998	\$2,001	(\$3)	
1845	U/G Cond & Devices	\$39,850	\$43,436	(\$3,586)	2.222%	(\$40)	\$10,016	\$10,062	(\$46)	1
1850	Line Transformers	\$13,057	\$13,586	(\$529)	2.917%	(\$8)	\$7,671	\$7,682	(\$11)	
1855	Services (OH and UG)	\$3,701	\$4,203	(\$502)	3.250%	(\$8)	\$3,571	\$3,580	(\$9)	
1860	Meters	\$2,824	\$3,207	(\$383)	5.333%	(\$10)	\$2,331	\$2,342	(\$11)	
1860	Smart Meters	\$1,353	\$1,536	(\$183)	6.667%	(\$6)	\$3,882	\$3,888	(\$6)	
1875	Streetlighting	\$2	\$2	\$0	4.000%	\$0	\$91	\$91	\$0	
	<b>Subtotal System Assets</b>	<b>\$137,123</b>	<b>\$148,671</b>	<b>(\$11,548)</b>		<b>(\$152)</b>	<b>\$45,193</b>	<b>\$45,353</b>	<b>(\$160)</b>	
1908	Building & Fixtures - Head office	\$354	\$403	(\$49)	2.000%	(\$0)	\$1,073	\$1,073	\$0	
1910	Leasehold Improvements	\$0	\$0	\$0	30.000%	\$0	(\$1)	(\$1)	\$0	
1915	Office Equipment	\$21	\$24	(\$3)	10.000%	(\$0)	\$598	\$598	\$0	
1920	Computer hardware	\$2,601	\$2,954	(\$353)	20.417%	(\$36)	\$2,464	\$2,502	(\$38)	
1611	Computer Software	\$9,217	\$10,466	(\$1,249)	22.778%	(\$142)	\$10,009	\$10,103	(\$94)	1
1930	Transportation	\$2,365	\$2,686	(\$321)	9.055%	(\$15)	\$2,027	\$2,046	(\$19)	
1935	Stores Equipment	\$0	\$0	\$0	10.000%	\$0	\$66	\$66	\$0	
1940	Tools, Shop & Garage	\$417	\$473	(\$56)	10.000%	(\$3)	\$505	\$507	(\$2)	
1955	Communication Equipment	\$452	\$513	(\$61)	21.667%	(\$7)	\$209	\$212	(\$3)	
1960	Miscellaneous equipment	\$0	\$0	\$0	10.000%	\$0	\$0	\$0	\$0	
1980	System Supervisory Equip	\$962	\$1,093	(\$131)	7.778%	(\$5)	\$1,058	\$1,064	(\$6)	
1990	Other Tangible property	\$0	\$0	\$0		\$0	\$0	\$0	\$0	
	<b>Subtotal General Plant Assets</b>	<b>\$16,389</b>	<b>\$18,612</b>	<b>(\$2,223)</b>		<b>(\$208)</b>	<b>\$18,008</b>	<b>\$18,170</b>	<b>(\$162)</b>	
2005	Prop. Under Capital Lease-Addiscott	\$0	\$0	\$0	4.000%	\$0	\$731	\$731	\$0	
	<b>Subtotal Other Capital Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$731</b>	<b>\$731</b>	<b>\$0</b>	
	<b>Total Assets Before Contributed Capital</b>	<b>\$153,512</b>	<b>\$167,283</b>	<b>(\$13,771)</b>		<b>(\$360)</b>	<b>\$63,932</b>	<b>\$64,254</b>	<b>(\$322)</b>	
1995/1996	Contributed Capital	(\$20,186)	(\$22,923)	\$2,737	3.009%	\$41	(\$11,277)	(\$11,322)	\$45	
	<b>NET DISTRIBUTION ASSETS</b>	<b>\$133,326</b>	<b>\$144,360</b>	<b>(\$11,034)</b>		<b>(\$319)</b>	<b>\$52,655</b>	<b>\$52,932</b>	<b>(\$277)</b>	
	Less Socialized Renewable Energy Generation	\$0	\$0	\$0			(\$108)	(\$108)	\$0	
	<b>Less Other Non Rate-Regulated Utility Assets</b>	<b>(\$2)</b>	<b>(\$2)</b>	<b>\$0</b>		<b>\$0</b>	<b>(\$44)</b>	<b>(\$44)</b>	<b>\$0</b>	
	<b>Total PP&amp;E</b>	<b>\$133,324</b>	<b>\$144,358</b>	<b>(\$11,034)</b>		<b>(\$319)</b>	<b>\$52,503</b>	<b>\$52,780</b>	<b>(\$277)</b>	

Note 1. These items consists of various components with different useful lives and rates of amortization. See attached for details of these amounts.

**PowerStream EB-2015-0003**

**Schedule Q : 2017 Depreciation Change - Component Detail**

<b>Account 1820 Components</b>	<b>Additions Change</b>	<b>Useful Life</b>	<b>Depreciation change</b>
Power Transformer MS (1)	(\$1,101,988)	40	(\$13,775)
Protection & Control System - MS (1)	(\$44,059)	20	(\$1,101)
Switchgear and relays - MS (1)	(\$29,406)	30	(\$490)
<b>Total</b>	<b>(\$1,175,453)</b>		<b>(\$15,366)</b>

<b>Account 1845 Components</b>	<b>Additions Change</b>	<b>Useful Life</b>	<b>Depreciation change</b>
UG conductor and devices	(\$3,077,309)	45	(\$34,192)
UG cable injection	(\$508,060)	20	(\$12,701)
<b>Total</b>	<b>(\$3,585,369)</b>		<b>(\$46,894)</b>

<b>Account 1611 Components</b>	<b>Additions Change</b>	<b>Useful Life</b>	<b>Depreciation change</b>
Computer Software	(\$427,668)	4	(\$53,458)
CIS Software	(\$821,891)	10	(\$41,095)
<b>Total</b>	<b>(\$1,249,559)</b>		<b>(\$94,553)</b>

EB-2015-0003

Schedule R - Comparison of 2017 UCC Additions and CCA Claim (\$000)

	Aug 2016 DRO	Aug 2015 Update	Change
<b>Fixed asset additions per Schedule M</b>	<b>\$133,324</b>	\$144,358	(\$11,034)
Less capitalized interest deducted schedule 1	(\$1,283)	(\$1,281)	(\$2)
Less amounts going to CEC schedule 10	(\$30)	(\$34)	\$4
<b>Additions to CCA Schedule 8</b>	<b>\$132,011</b>	<b>\$143,043</b>	<b>(\$11,032)</b>

Class	Class Description	2017 UCC Additions			2017 CCA			
		Aug 2016 DRO	Aug 2015 Update	Change	Rate %	Aug 2016 DRO	Aug 2015 Update	Change
1	Distribution System - post 1987	\$422,000.0	\$480,000.0	(\$58,000.0)	4.00%	\$14,216,760	\$14,217,920	(\$1,160)
1 Enh.	Non-residential Buildings Reg. 1100(1)(a.1) election			\$0.0	6.00%	\$0	\$0	\$0
2	Distribution System - pre 1988			\$0.0	6.00%	\$2,538,656	\$2,538,656	\$0
8	General Office/Stores Equip	\$890,000.0	\$1,010,000.0	(\$120,000.0)	20.00%	\$5,232,246	\$5,244,246	(\$12,000)
10	Computer Hardware/ Vehicles	\$2,365,000.0	\$2,686,000.0	(\$321,000.0)	30.00%	\$2,290,240	\$2,338,390	(\$48,150)
10.1	Certain Automobiles			\$0.0	30.00%	\$0	\$0	\$0
12	Computer Software	\$9,123,900.0	\$10,368,100.0	(\$1,244,200.0)	100.00%	\$10,711,900	\$11,334,000	(\$622,100)
13 1	Lease # 1			\$0.0		\$9,727	\$9,727	\$0
13 2	Lease #2			\$0.0		\$256,622	\$256,622	\$0
13 3	Lease # 3			\$0.0		\$31,395	\$31,395	\$0
13 4	Lease # 4			\$0.0		\$36,882	\$36,882	\$0
14	Franchise			\$0.0		\$0	\$0	\$0
17	New Electrical Generating Equipment Acq'd after Feb 27/00 Other Than Bldgs.			\$0.0	8.00%	\$24,749	\$24,749	\$0
42	Fibre Optic Cable			\$0.0	12.00%	\$0	\$0	\$0
43.1	Certain Energy-Efficient Electrical Generating Equipment			\$0.0	30.00%	\$0	\$0	\$0
43.2	Certain Clean Energy Generation Equipment			\$0.0	50.00%	\$0	\$0	\$0
45	Computers & Systems Software acq'd post Mar 22/04			\$0.0	45.00%	\$4,942	\$4,942	\$0
46	Data Network Infrastructure Equipment (acq'd post Mar 22/04)			\$0.0	30.00%	\$0	\$0	\$0
47	Distribution System - post February 2005	\$116,609,100.0	\$125,544,900.0	(\$8,935,800.0)	8.00%	\$39,841,681	\$40,199,113	(\$357,432)
50	Data Network Infrastructure Equipment - post Mar 2007	\$2,601,000.0	\$2,954,000.0	(\$353,000.0)	55.00%	\$2,242,310	\$2,339,385	(\$97,075)
52	Computer Hardware and system software			\$0.0	100.00%	\$0	\$0	\$0
	<b>TOTAL</b>	<b>\$132,011,000</b>	<b>\$143,043,000</b>	<b>(\$11,032,000)</b>		<b>\$77,438,110</b>	<b>\$78,576,027</b>	<b>(\$1,137,917)</b>

**PowerStream Inc. Eb-2015-0003**

**Schedule S: Removal of GS>50 kW TOU Meters (\$000s)**

<b>Meter additions to remove</b>	<b>Cost</b>	<b>Accum. Depr.</b>	<b>NBV</b>	<b>Average NFA</b>
Opening - Jan. 1, 2015	\$0	\$0	\$0	
Additions - 2015	\$1,592,952		\$1,592,952	
Depreciation		(\$53,099)	(\$53,099)	
Closing Dec. 31, 2015	\$1,592,952	(\$53,099)	\$1,539,853	\$769,927
Additions - 2016	\$1,196,859		\$1,196,859	
Depreciation		(\$146,093)	(\$146,093)	
Closing Dec. 31, 2016	\$2,789,811	(\$199,191)	\$2,590,620	\$2,065,236
Additions - 2017	\$1,303,795		\$1,303,795	
Depreciation		(\$229,448)	(\$229,448)	
Closing Dec. 31, 2017	\$4,093,606	(\$428,640)	\$3,664,966	\$3,127,793
Depreciation rate	6.67%			

Accum. Depr. = Accumulated Depreciation, NFA = Net Fixed Assets, half year depreciation in year added

<b>Meter additions to remove - CCA</b>	<b>Additions</b>	<b>CCA</b>	<b>UCC</b>	Check
Opening - Jan. 1, 2015			\$0	
Additions - 2015	\$1,592,952		\$1,592,952	
CCA		(\$63,718)	(\$63,718)	
Closing Dec. 31, 2015			\$1,529,234	
Additions - 2016	\$1,196,859		\$1,196,859	
CCA		(\$170,213)	(\$170,213)	
Closing Dec. 31, 2016			\$2,555,880	
Additions - 2017	\$1,303,795		\$1,303,795	
CCA		(\$256,622)	(\$256,622)	
Closing Dec. 31, 2017			\$3,603,053	\$3,603,053
CCA rate	8.00%			

EB-2015-0003

Schedule T: Depreciation in OM&A (\$000s)

2017 Depreciation in OM&A		Capital		OM&A		Total	
Description	Total	%	Amount	%	Amount	%	Amount
Vehicle Depreciation	\$2,027	74%	\$1,500	26%	\$527	100%	\$2,027
Tool Depreciation	\$68	37%	\$25	63%	\$43	100%	\$68
Stores Depreciation	\$505	97%	\$490	3%	\$15	100%	\$505
<b>Total</b>	<b>\$2,600</b>		<b>\$2,015</b>		<b>\$585</b>		<b>\$2,600</b>

Allocations as per Application Section III, Tab 1, Schedule 1, page 180 of 363, response to G-Energy Probe-14.

2016 Depreciation in OM&A		Capital		OM&A		Total	
Description	Total	%	Amount	%	Amount	%	Amount
Vehicle Depreciation	\$1,953	74%	\$1,445	26%	\$508	100%	\$1,953
Tool Depreciation	\$65	37%	\$24	63%	\$41	100%	\$65
Stores Depreciation	\$498	97%	\$483	3%	\$15	100%	\$498
<b>Total</b>	<b>\$2,516</b>		<b>\$1,952</b>		<b>\$564</b>		<b>\$2,516</b>

Allocations as per Application Section III, Tab 1, Schedule 1, page 180 of 363, response to G-Energy Probe-14.