



Ontario Energy Board

# 2019 Cost Allocation Model

Cost Allocation Model (CA Model) Version 3.6

## Instructions Sheet

### General:

These instructions are included with the OEB CA Model as a reference for distributor staff

**Version 3.6 is designed for use with 2019 COS rate applications.**

The instructions are organized by Input sheet (I1 to I9). The instructions are followed by suggestions of how to use Output sheets O1, O2, O3.1 and O3.6, and the Exhibit sheets E2 - There are numerous references in these instructions to specific Excel cells in the Revenue Requirement Work Form ("RRWF"). The cross-references to RRWF are intended to ensure consistency within the application. It is probably most convenient to complete the RRWF first, then the CA model. If completing the CA model first, leave the required cross references blank temporarily, e.g. at the top of worksheet I-3 and I-6.1, ignoring the corresponding error messages in the rose-coloured diagnostic cells. Once the RRWF is completed, the

### Worksheet I1 Introduction

This input worksheet is for basic information about the utility and the application. This worksheet does not require any changes after filing the initial application.

- Input to Cell C11 is carried forward to the heading on all worksheets.
- The colour-coding used throughout the model is explained just below the applicant

### Worksheet I2 LDC Classes

The main purpose of this worksheet is to define the rate classes.

- Input to Cell C-17 is copied to the header of all worksheets. When the CA Model is modified for a specific reason, such as a run using final proposed rates for the purposes of a draft rate order, a new description should be entered in Cell C-17.
- Cell C20 and below shows common rate class names. Substitute the proper name if applicable. Any input to Column D will appear as the column headings if different from
- In Column E, choose Yes or No as applicable for the proposed customer classes, and
- Do not include microFIT as a rate classification in CA Model until further notice in the

- If the applicant is a Host Distributor with a separate class for the Embedded Distributor(s), use Row 29. Otherwise, a Host Distributor should refer to Filing Requirements for instructions on how to reflect the Embedded Distributor in the applicable
- Be aware that the “Update” button hides and unhides columns, nothing more. If you have entered data for a class in an input sheet, the data will remain until you delete the data. (If you enter data for a class and subsequently change to ‘No’ for that class in I-2 and click Update, the data for the class will be hidden but will continue to affect range
- For the user’s convenience, a space is available at B46 to describe a scenario (customer classes, load data, choice of allocators, etc.) to keep track of alternative cost allocation outcomes as they are being studied. This information is in addition to the
- The Residential, GS < 50 kW and Street Light customer classes are now locked from being edited and removed. This is to ensure that the Residential and Street Light class data are always in the same positions for the calculation of the street light adjustment

### **Worksheet I3 Trial Balance Data**

The main purpose of this worksheet is to enter the forecast account balances. For convenience, the accounts that affect the test year revenue requirement have a yellow background in column A. (All accounts that are reported for the RRR Trial Balance are

There are diagnostic cells at the top of I-3 for cross-references to the user's RRWF, to avoid filing information that is inconsistent. The CA model works regardless of whether the diagnostic messages in cells H14 and H16 are flagging a discrepancy.

- At Cell F10, input the return on equity RRWF tab 9 'Revenue Requirement' cell F23;
  - At Cell F11, input the forecast of PILs from RRWF tab 9 'Revenue Requirement' cell
  - At Cell F12, input Interest Cost from RRWF tab 9 'Revenue Requirement' cell F22;
  - Cell F13 should be entered equal to RRWF tab 9 'Service Revenue Requirement' cell
  - Cell F15 should be entered equal to RRWF tab 4 'Rate Base' cell G19
- Starting at Row 20, enter forecast amounts for USoA accounts in column D. The CA Model has a few rows that are inserted for finer granularity within existing accounts.
  - Cells D78 and D79 are the balances in Account 1575 and 1576. The recovery of these balances is not done through the service revenue requirement and distribution rates, but rather through a rate rider per memo June 25, 2013. Current versions differ from Version
  - Column D contains the forecast amounts for the test year, and is to match the amounts in the rate application. For asset accounts, enter the mid-year average amounts matching
  - Remember to include revenue accounts as negative numbers, as in the Trial Balance.
  - Note that SSS Administration revenue is now Account 4086, whereas it was previously a
  - Column F is available to re-assign amounts among the accounts in Column D. If costs are removed from one USoA account and added to another account, the rationale for the re-assignment is to be provided by the distributor in its prefiled evidence.
  - No rationale is required if the entries in column F have been directed by Board policy. For example see note below re Account 4235.
  - Row 274 has been added, to allow for new account 4086 SSS Administration Charge.

- Rows 284 and 285 have been added, to allow for separate allocation of the Account Set-Up Charges sub-account distinct from other revenue streams in Account 4235. Enter the sub-account amounts at Cell F284 and F285 and enter negative sum at F283 (should be
- Row 469 has been added to allow for inclusion of LEAP, distinct from other donations which are not recoverable. Enter full amount of Account 6205 in cell D468, negative amount of LEAP in F468, and positive amount of LEAP in F469. (Only the latter is
- Column G is used for costs that are directly allocated. Put the appropriate total amount in Column G, and the model places it into I-9 to be included in the class revenue
- Note that the model has Rows in I9 for most capital and OM&A accounts, but not revenue accounts. If an account has no corresponding Row in I9, the model does not
- Column I has input cells in the new Rows. If necessary, enter the allocator for the account that the distributor considers most appropriate. (The model on the website has an allocator already selected at the suggestion of the CA Working Group, but the distributor is ultimately responsible for selecting the most appropriate allocator considering how it uses

### **Worksheet I4 Break Out Assets**

This input worksheet is for breaking the asset accounts into a more granular level.

- Cell C12 requires data entry from the RRWF tab 4. Rate Base, Cell G15. The message at D93 is intended to ensure consistency between the cost allocation model and the rest of
- Columns L - O require the break-out of the aggregate depreciation accounts into the sub-accounts for each asset account.
- Worksheet I4 is designed for assets that are not allocated directly to any customer class. The gross and net values of assets directly allocated to one or more classes are

### **Worksheet I5.1 Miscellaneous Data**

- In cell D15, enter the km of distribution line, regardless of voltage (structures, not circuits) used in determining customer density of the service area.
- In Cell D19, enter the percentage of OM&A plus Cost of Power that is included as working capital, eg.13%, or a percentage based on the distributor's lead-lag study;
- Cell D21 yields a weighting factor to attribute pole access revenue in the same proportions as the corresponding allocation of costs. Considering the NBV of all poles that yield pole rental revenue, enter the estimated percentage of poles that are at Secondary

### **Worksheet I5.2 Weighting Factors**

This worksheet is used to input a weighting factor for services and a weighting factor for Billing and Collection. Generally the Residential weighting factor should be 1.0, with each

- Row 12: calculate weighting factors reflecting only installed capital costs recorded in Account 1855 – Services. Where there is variety of situations within a class, provide a single factor that is suitable for the whole class. See examples in the boxes below.
- Row 15: calculate weighting factors reflecting costs in Account 5315 – Customer Billing, Account 5320 – Collecting, and Account 5340 – Miscellaneous Customer Account

- Default weights are no longer provided in the model. The weights previously provided in version 1.2 can be found in the Board staff's implementation documentation [EB-2010-

**Example: Weighting Factor for Services:**

Assume that the amount recorded in 1855 for a typical residential customer is \$1,000.

Assume that there are 500 customers in the GS>50 class.

Assume that 100 of them are industrial customers served by a single span of overhead conductor. The amount remaining on the books in Account 1855 is \$500, though the current cost of replacing the service including labour would be much larger.

Assume that 100 customers have underground service that required extensive permits, street repairs, and labour costs, as well as materials. The services are recent, and the amount

Assume 300 customers have no costs recorded in Account 1855, and would have no cost recorded even if replaced (per distributor's accounting practice and conditions of service)

Calculation of a single factor for GS>50 class -- weighted average of embedded book values

➤  $[(100 * \$5,000) + (100 * \$25,000) + (300 * \$0)] / 500 = \$6,000$  per customer

Weighting factor for residential @ \$1,000 is 1.00

Weighting factor for GS>50 kW =  $\$6,000 / \$1,000 = 6.00$

**Example: Weighting Factor for Billing and Collecting:**

Assume that the Residential cost averaged over all residential customers is \$1.50 for bill preparation and mailing, \$0.50 to record revenue from a normal payment, and \$1.00 per bill on average for other costs associated with collecting, etc. that are recorded in accounts 5315, Assume that there are 15 customers in the USL class:

Assume that 5 of the 15 customers have a large number of devices and the number of devices changes from time to time, so additional clerical attention is required each month amounting to \$50 over the group (\$10 per bill). Assuming that other costs are the same as Assume the other 10 USL customers have a small number of devices and require the same amount of effort as a typical residential customer. There are less issues with collecting, so the incidental costs are \$0.50 per month. Total cost is \$2.50 per bill

Calculation of index for USL class (weighted average of 5 and 10 customers)

➤  $[(5 * \$11.50) + (10 * \$2.50)] / 15 = \$5.50$  per bill.

Weighting factor for Residential =  $\$3.00 / \$3.00 = 1.00$

Weighting factor for USL =  $\$5.50 / \$3.00 = 1.83$

**Worksheet I6.1 Revenue**

This input sheet is used to calculate hypothetical revenues, based on the test year volumetric forecast at the current rates. (This calculation is also used in RRWF for the calculation of

- Cells B10, B13, B16 and B19 are used to flag internal inconsistencies that may exist amongst the application exhibits.
- Cell B10 – from Exhibit 3 of the application, input total energy from the test year load forecast, adjusted downward for distribution line losses.
- Cell B13 – from Exhibit 3 of the application, input the total billing demands of all demand.

- Cell B16 –from RRWF tab 8 Revenue Deficiency/Sufficiency H16.
- Cell B19 – enter data from RRWF tab 8. Revenue Deficiency/Sufficiency F18.
- Rows 25 and 26: enter weather-normalized load after line losses. These quantities will be the results found in the distributor's load forecast Exhibit 3.
- Row 29 is the forecast of billing demand of customers that are not Wholesale Market Participants. Host distributors -- remember that this may apply to embedded distributors.
- Rows 33-36 - enter the currently approved rates for each class. Include the Transformer Ownership Allowance for the applicable classes.
- Row 37 – a placeholder Row for any other rate (e.g. separate rates per street lighting fixture, if charged in addition to kW demand).
- Row 39 is class revenue gross of TOA, and row 41 is net. The model uses the latter in Note that the revenue formula calculates monthly fixed revenue from the largest of # of customers / connections / devices from Rows 18, 19 and 21 in worksheet I-6.2. This is appropriate if a class, e.g. streetlights, is billed per device, or if the number of devices equals the number of connections. If this is not appropriate for the distributor's rate structure, the distributor should correct the formula in row 39 for the applicable class(es), or over-write it with a specific cell references. For example, if USL is billed per customer
- As an alternative run of the CA Model, but not for submission with the application, it may be useful to enter the rates that are being proposed in the application in Rows 33-36. See
- If the Conditions of Service for a class of large customers require that all customers supply their own transformation, then the published rate is presumably for the class

### **Worksheet I6.2 Customer Data**

This input sheet is for inputting the various customer data by rate class, such as number of bill, number of customers, etc.

- Row 18 'Number of devices' was added as of version 2 of the model. Generally this will require input for the Street Lighting and Unmetered Scattered Load classes.
- The number of devices (Row 18) should be equal to or greater than the number of
- The number of connections should be equal to or greater than the number of customers
- The allocation of customer-related costs is based on customer count and connections. "Daisy-chaining" is the situation where the number of devices exceeds the number of connections. The allocation formula is appropriate if the distributors costs are proportional to the number of connections (and the corresponding weighting factor). If this is not appropriate to the applicant's proposed approach, change the cell reference in the formula calculated here (Rows 52 and 53). All relevant data inputs are automatically populated to allow for double checking each of the calculations.
- Cells J23 and J24 calculate the "adjusted connections" for the CCP and CCLT allocators by dividing the number of devices by the relevant street lighting adjustment factors. This calculation reflects the implementation of the OEB's cost allocation policy for

### **Worksheet I7.1 Meter Capital**

The purpose of this input worksheet is to derive the weighting factor of each class for the allocator CWMC, which is used to allocate accounts 1860 Meters, 5065 Meter Expense, and 5175 Maintenance. It does not affect the deferral account 1555 Smart Meter Capital and

- As a general rule, include one meter per customer in this worksheet, i.e. include smart meter or standard meter, not both.
- Replace meter descriptions in Column C with new descriptions that match the meters actually in use, and input the applicable average installed replacement cost of each type of
- If the cost of equipment used to download billing data is included in Account 1860 – Meters, the cost of such equipment should be considered in this worksheet.
- Note that Account 1920 – Computer Hardware, Account 1925 – Computer Software and Account 1955 – Communications Equipment are allocated to the customer classes by the composite allocator Net Fixed Assets (excluding credit for capital contributions). If equipment for automated meter-reading and data storage are recorded in these accounts, the distributor may consider moving capital costs to Account 1860 – Meters in worksheet I-3 and reflecting this in the meter capital weighting factors, with the objective of reaching a
- Entries for USL, Street lighting and Sentinel Lighting in worksheet I7.1 and I7.2 are 0. For any cost of estimating or verifying unmetered loads, see note re direct allocation under

### **Worksheet I7.2 Meter Reading**

The purpose of this input worksheet is to derive the weighting factors for the allocator CWMR, which is used only to allocate costs that are recorded in account 5310 Meter Reading Expense. The data in Column C are relative amounts, with the typical Residential reading

- This worksheet has not been modified to reflect automated meter reading. The Rows in worksheet I7.2 continue to reflect differences in customer density, relative difficulty in reaching the meter, and frequency of reading the meter in the respective classes. To the extent that these factors are now more nearly uniform due to automated meter reading, Note that the cost of the Smart Meter Entity is treated as a pass-through cost with its own rate rider. It is not included in the service revenue requirement and is not allocated in this model, except as a component of Working Capital (account 4751).

### **Worksheet I8 Demand Data**

This input sheet is used to record the various coincident and non-coincident peaks by rate class, which are used as cost allocators in the CA Model.

- There have been no changes to this worksheet. If the distributor's most up-to-date load profile data comes from the Hydro One analysis used in the Informational Filing in 2006-7, then the data in worksheet I-8 may be the same for each class as was used for the Informational Filing -- except for being scaled up or down to reflect the current energy

### **Worksheet I9 Direct Allocation**

This input worksheet allows for directly allocating costs to specific rate classes.

- The total amount of direct allocation is found in column C. This amount must be attributed to one class, or to a subset of classes, in columns E - X.
- Remember that costs associated with verifying and updating estimates of unmetered loads may be allocated directly to the applicable class. [EB-2005-0317, Cost allocation
- Additional information on direct allocations can be found above in the notes for Column G in input sheet I3 Trial Balance.

- The numerous columns to the right of I-9 are used for the purpose of burdening directly-allocated costs for a share of overhead costs. No inputs are required.
- The formula at cell C148 has been corrected in version 3.2 so that cells E149:X151 are calculated from NBV in all instances.

## Worksheet O1

This is an output worksheet that shows the allocated revenue requirements and the revenue-to-cost ratios by rate class. The diagnostic cells in this sheet check that the allocated costs

- In these instructions for Worksheet O1, “RRWF” means RRWF tab 8. Revenue
- “Cost Allocation and Rate Design” means Tab 11: Cost Allocation and Rate Design of the RRWF. This replaced Appendix 2-P in the Chapter 2 Appendices prior to 2017.
- Row 18 – Distribution Revenue at Existing Rates:
  - Cell C18 should equal the total in RRWF Cell F17 – Distribution Revenue at Currently
  - Cells D18 and beyond are the inputs to Cost Allocation and Rate Design, Table B,
- Row 19 – Miscellaneous Revenue:
  - Cell C19 should equal RRWF Cell F18,
  - Cells D19 and beyond are the inputs to Cost Allocation and Rate Design, Table B,
  - Note the diagnostic test in Row 20 for Miscellaneous Revenue. The model calculates the status quo rates from the test year Service Revenue Requirement less Miscellaneous Revenue. If Miscellaneous Revenue is entered inaccurately, the status
- Cell C21 – Total Revenue at Existing Rates should be equal to RRWF Cell F19;
- Row 23 – Distribution Revenue at Status Quo Rates”:
  - Cell C23 should equal RRWF, sum of Cells H16 & H17
  - Cells D23 and beyond are the hypothetical distribution revenue, by class, if there were no rate re-balancing. These cells are the inputs to Cost Allocation and Rate
- Cell C25 should equal RRWF Cell H19 – Total Revenue.
- Row 40 – Revenue Requirement (includes NI):
  - Cell C40 is the total revenue requirement, and should be equal to RRWF worksheet tab 9 Revenue Requirement, Cell F22; and
  - Cells D40 and beyond are inputs to Cost Allocation and Rate Design, Table A,
- Row 75 – Revenue to Expenses Status Quo:
  - Cell C75 should equal 100%, and
  - Cells D75 and beyond are the inputs to Cost Allocation and Rate Design, Table C, second column “Status Quo Ratios”.
- Cells C71 and C81 should equal the corresponding target returns on equity (RRWF

The 2018 Filing Requirements do not require a second version of the model showing revenue with proposed rates. However, it may be helpful to the user to verify the proposed distribution rates and ratios by substituting proposed rates in place of currently approved ones in I-6.1. Having made that change, there should be no deficiency comparing row 21 versus 25, and

It may also be useful to run an updated version when preparing a Draft Rate Order:

- At worksheet I3, modify Miscellaneous Income accounts if necessary, along with forecast capital and OM&A accounts, if any of these have changed as a result of a

- At worksheet I6.1, modify the class load forecast inputs if it has changed since the original application, at Rows 25 -27.
- At worksheet I6.1, substitute the proposed rates at Rows 33 – 36.
- At worksheet I8, data may need to be changed if the load forecast has been changed.
- On worksheet O1:
  - Cell C22 should now equal 1.00 and Rows 18 and 23 should be identical.
  - Cells D75 and beyond should show the newly-approved revenue to cost ratios.

## **Worksheet O2**

Rows 14 - 17 provide information relevant to the Monthly Service Charge of each class, usually referred to as the floor (alternate versions in rows 14 and 16) and the ceiling in row 17. Users of the model have observed that for some classes, the ceiling comes out lower than the floor, or even negative. This occurs in situations where customer-related costs are relatively low compared to Demand-related costs, and appears to be a result of prorated depreciation on General Plant. With this discrepancy remaining in the model, the precise calculation of the

## **Worksheet O3.1**

The purpose of this output worksheet is to provide information on the cost per unit of providing customers with transformation service.

- Row 27 expresses the transformer costs in per kW terms. The amount found in Row 27 is not necessarily identical to the cost that would be saved if the customer provides its own transformer. While it is useful information, the value in Row 27 should not be presented

## **Worksheet O3.6**

The purpose of this output worksheet is to provide information to be used to update the provincial standard monthly charge for microFIT installations.

- Check that Cell 23 is equal to O-2 Cell D132 less Cell D81, which is an update of the information that underpins the current rate; and
- Cells C24 and C25 have been added in version 2 of the model per Board Report (p. 8).

If the distributor intends to propose a microFIT charge based on its own costs, this will require sub-account information as per the Board's FAQ # 18, December 23, 2010. The information from Worksheet O-3.6 will not likely be considered relevant for approval of a non-uniform

## **Worksheet O6**

- Formulas in row 176 have been updated to ensure that costs for account 4751 are allocated using the 4751 C allocator.

## **Worksheets E2 and E4**

Worksheet E2 shows the proportions allocated to each rate class by the various allocators. These allocators are linked to the applicable USoA accounts in worksheet E4.

- Worksheet E4 is not locked, and the user may propose to allocate any account using a different allocator than the default found in the model. If the applicant is proposing to use a different allocator, please note that this would be a departure from standard policy and



- The 4751 C customer allocator has been added in row 122 of Sheet E2. It has been applied as the default for account 4751 on sheet E4. This allocator is used to allocated the Smart Metering Entity (SME) charges to the GS < 50 kW and Residential classes, only, on

### **Worksheet E3**

The Peak Load Carrying Capability adjustment is entered at cell A14. The default is 400 Watts. The adjustment is related to the definition of Minimum System, i.e. categorization between customer-related and demand-related cost. For further explanation see the Board

- If proposing a PLCC of other than 400 Watts, this should be identified and explained in
- Worksheet E3 has been updated to use the "adjusted connections", calculated on Sheet I6.2 for the calculation of the CCP and CCLT allocators.

### **Worksheet E5**

The purpose of this worksheet is to aid in detecting and correcting instances in which an account is not fully allocated to the rate classes.

Each cell in columns J and L should be zero. If the calculation is not zero, and the account involved is one that affects the revenue requirement (highlighted in column A of I-3) the





Ontario Energy Board

# 2019 Cost Allocation

## **Sheet E5 Reconciliation Worksheet -**

If you have completed the Cost Allocation filing model and prepare Energy Board, please note that you have two saving options. The a copy of Option 1 be filed in live Excel format.

### **OPTION #1 - Detailed**

- Step 1: Save this file as "LDCname\_Detailed\_CA\_model\_RUN#.xls"  
Step 2: Print and submit sheets I6, I8, O1, and O2 within Exhibit 7 of the application

### **OPTION #2 - Rolled Up**

(Note that the rolled-up version is no longer required in a

- Step 1: Save this file as "LDCname\_Detailed\_CA\_model\_RUN#.xls"  
Step 2: **Click on the Option 2 Button**  
Step 3: **Save this file as "LDCname\_RolledUp\_CA\_model\_RUN#.xls"**

# Model

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ed to submit your findings to the Ontario  
2019 Filing Requirements request that

COS filing.)



# 2019 Cost Allocation Model

## Sheet I1 Utility Information Sheet

Version 3.5

Name of LDC: EnWin Utilities Ltd.

Application EB Number: EB-2019-0032

Date of Application: April-26-19

### Contact Information:

Name: Paul Gleason

Title: Director Regulatory Affairs & Corporate Secretary

Phone Number: 519-255-2888 ext. 325

E-Mail Address: [regulatory@enwin.com](mailto:regulatory@enwin.com)

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### \*\*Please Note: Colour Coding Legend \*\*

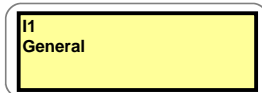
Input Cells	
Output Cells	
Exhibition	
Brought Forward	Brought Forward
Calculation	Calculation
Diagnostic	

### Brief Description of Each Worksheet's Function

INPUTS			
	I1	Intro	Brief explanation of what the pages do.
	I2	LDC data and Classes	Enter LDC specific information and number of classes etc
	I3	TB Data	Forecast Trial Balance
	I4	BO ASSETS	Break out assets into detail functions - bulk deliver, primary and secondary
	I5.1	Misc Data	Input for miscellaneous data where necessary - TBD
	I5.2	Weighting Factors	Input for weighting factors to be applied to billing and services
	I6.1	Revenue	Input rates and volumes for working up revenue
	I6.2	Customer Data	Input customer related data for generating customer allocators
	I7.1	Meter Capital	Input meter related data for calculating capital costs weighing factors
	I7.2	Meter Reading	Input meter related data for calculating meter reading weighing factors
	I8	Demand Data	Input demand allocators using load data and making LDC specific adjustments
	I9	Direct Allocation	
OUTPUTS			
	O1	Revenue to cost	Output showing revenue to cost ratios, inter class subsidy etc.
	O2	Fixed Charge	Output showing the range for the Basic Customer charge - TBD
	O2.1	Line Transformer PLCC Adjustment	
	O2.2	Primary Cost PLCC Adjustment	
	O2.3	Secondary Cost PLCC Adjustment	
	O3.1	Line Tran Unit Cost	

	O3.2	Substat Tran Unit Cost	
	O3.3	Primary Cost Pool	
	O3.4	Secondary Cost Pool	
	O3.5	USL Metering Credit	
	O3.6	MicroFIT Charges	
	O4	Summary by Class	Output showing summary of all allocation by class and by US of A
	O5	Detail by Class	Output showing details of individual allocation by class and by USofA
	O6	Source Data for E2	
	O7	Amortization	
<b>EXHIBITS</b>	E1	Categorization	Exhibit showing how costs are categorized
	E2	Allocation Factors	Exhibit summarizing all allocation factors created in I5 to I8 and present the findings in percentages
	E3	PLCC	Backup documentation for calculating Peak Load Carrying Capability.
	E4	Trial Balance Index	Exhibit showing 1. how accounts are grouped for reporting, how accounts are categorized and how accounts are allocated
	E5	Reconciliation	Exhibit showing reconciliation of accounts included and excluded from the allocation study to TB balance

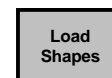
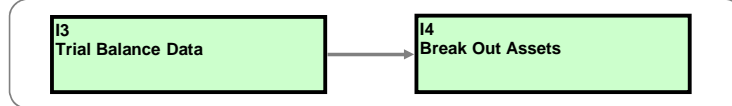
## 1. GENERAL



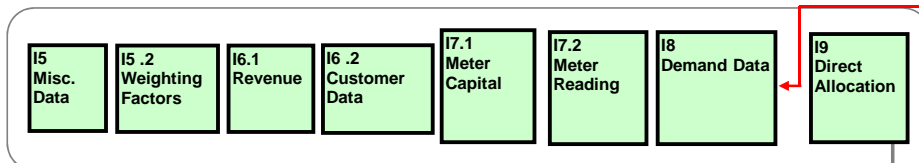
## 2. LDC INPUT - Rate Classes



## 3. LDC INPUT - Financial Data



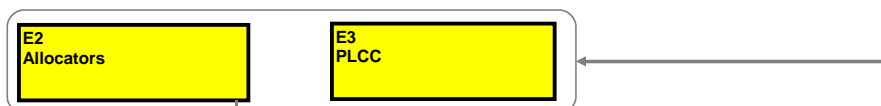
## 4. LDC INPUT - Customer Data and Operating Stats



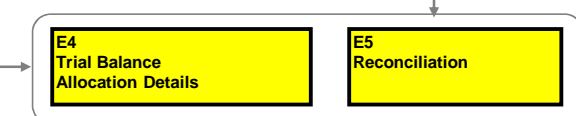
## 5. MODEL PROCESS - Categorization - OEB Defaults



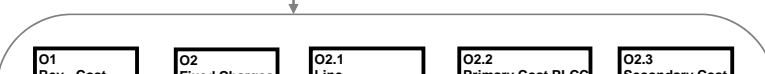
## 6. MODEL PROCESS - Allocators calculated from 4.



## 7. MODEL PROCESS - Detail Cost Elements by Rate Class



## 8. MODEL OUTPUT- Summaries by Rate Class



Rev - Cost Ratios	Fixed Charges Floor & Ceiling	Line Transformer PLCC Adjustment	Primary Cost PLCC Adjustment	Secondary Cost PLCC Adjustment
O3.1 Line Tran Unit Cost	O3.2 Substat Tran Unit Cost	O3.3 Primary Cost Pool	O3.4 Secondary Cost Pool	O3.5 USL Metering Credit
O3.6 MicroFIT Charges	O4 Summary by Class & Accounts	O5 Details by Class & Accounts	O6 Source Data for E2	O7 Amortization





Ontario Energy Board

# 2019 Cost Allocation Model

**EB-2019-0032**

**Sheet 12 Class Selection -**

**Instructions:**

**Step 1:** Please input identification of this Run in C15 and C17

**Step 2:** Please input your proposed rate classes.

**Step 3:** After all classes have been entered, Click the "Update" button in cell E41

Please input the date on which this Run of the model was prepared or submitted

Please provide summary identification of this Run

		Utility's Class Definition	Current
1	Residential		YES
2	GS <50		YES
3	GS>50-Regular	GS>50 - 50-4,999 KW Regular	YES
4	GS> 50-TOU	GS>50 - 3,000-4,999 KW Intermediate	NO
5	GS >50-Intermediate	Large Use - 3TS	YES
6	Large Use >5MW	Large Use - Regular	YES
7	Street Light		YES
8	Sentinel		YES
9	Unmetered Scattered Load		YES
10	Embedded Distributor		NO
11	Back-up/Standby Power		NO
12	Rate Class 1	Large Use - Ford Annex	NO
13	Rate class 2		NO
14	Rate class 3		NO
15	Rate class 4		NO
16	Rate class 5		NO
17	Rate class 6		NO
18	Rate class 7		NO
19	Rate class 8		NO
20	Rate class 9		NO

**\*\* Space available for additional information about this run**



Ontario Energy Board

# 2019 Cost Allocation Model

EB-2019-0032

## Sheet I3 Trial Balance Data

### Comparisons with RRWF

RRWF Reference:

9. cell F23	Return on Deemed Equity	\$8,907,172			
9. cell F19	Income Taxes (Grossed up)	\$2,074,427			
9. cell F22	Deemed Interest Expense	\$6,014,821			
9. cell F25	Service Revenue Requirement	\$58,246,170			
	Revenue Requirement to be Used in this model (\$)	\$58,246,170	\$58,246,169	Rev Req Matches	\$1
4. cell G19	Rate Base (\$)	\$247,972,502			
	Rate Base to be Used in this model (\$)	\$247,972,502	\$247,972,503	Rate Base Matches	(\$1) (\$7)

### Uniform System of Accounts - Detail Accounts

USoA Account #	Accounts	Forecast Financial Statement	Model Adjustments	Reclassify accounts	Direct Allocation	Reclassified Balance	
1005	Cash					\$0	Unclassified Asset
1010	Cash Advances and Working Funds					\$0	Unclassified Asset
1020	Interest Special Deposits					\$0	Unclassified Asset
1030	Dividend Special Deposits					\$0	Unclassified Asset
1040	Other Special Deposits					\$0	Unclassified Asset
1060	Term Deposits					\$0	Unclassified Asset
1070	Current Investments					\$0	Unclassified Asset
1100	Customer Accounts Receivable					\$0	Unclassified Asset
1102	Accounts Receivable - Services					\$0	Unclassified Asset
1104	Accounts Receivable - Recoverable Work					\$0	Unclassified Asset
1105	Accounts Receivable - Merchandise, Jobbing, etc.					\$0	Unclassified Asset
1110	Other Accounts Receivable					\$0	Unclassified Asset
1120	Accrued Utility Revenues					\$0	Unclassified Asset

1130	Accumulated Provision for Uncollectible Accounts--Credit					\$0	Unclassified Asset
1140	Interest and Dividends Receivable					\$0	Unclassified Asset
1150	Rents Receivable					\$0	Unclassified Asset
1170	Notes Receivable					\$0	Unclassified Asset
1180	Prepayments					\$0	Unclassified Asset
1190	Miscellaneous Current and Accrued Assets					\$0	Unclassified Asset
1200	Accounts Receivable from Associated Companies					\$0	Unclassified Asset
1210	Notes Receivable from Associated Companies					\$0	Unclassified Asset
1305	Fuel Stock					\$0	Unclassified Asset
1330	Plant Materials and Operating Supplies					\$0	Unclassified Asset
1340	Merchandise					\$0	Unclassified Asset
1350	Other Materials and Supplies					\$0	Unclassified Asset
1405	Long Term Investments in Non-Associated Companies					\$0	Unclassified Asset
1408	Long Term Receivable - Street Lighting Transfer					\$0	Unclassified Asset
1410	Other Special or Collateral Funds					\$0	Unclassified Asset
1415	Sinking Funds					\$0	Unclassified Asset
1425	Unamortized Debt Expense					\$0	Unclassified Asset
1445	Unamortized Discount on Long-Term Debt--Debit					\$0	Unclassified Asset
1455	Unamortized Deferred Foreign Currency Translation Gains and Losses					\$0	Unclassified Asset
1460	Other Non-Current Assets					\$0	Unclassified Asset
1465	O.M.E.R.S. Past Service Costs					\$0	Unclassified Asset
1470	Past Service Costs - Employee Future Benefits					\$0	Unclassified Asset
1475	Past Service Costs - Other Pension Plans					\$0	Unclassified Asset
1480	Portfolio Investments - Associated Companies					\$0	Unclassified Asset
1485	Investment in Associated Companies - Significant Influence					\$0	Unclassified Asset
1490	Investment in Subsidiary Companies					\$0	Unclassified Asset
1505	Unrecovered Plant and Regulatory Study Costs					\$0	Unclassified Asset
1508	Other Regulatory Assets					\$0	Unclassified Asset
1510	Preliminary Survey and Investigation Charges					\$0	Unclassified Asset
1515	Emission Allowance Inventory					\$0	Unclassified Asset
1516	Emission Allowances Withheld					\$0	Unclassified Asset
1518	RCVARetail					\$0	Unclassified Asset
1520	Power Purchase Variance Account					\$0	Unclassified Asset
1521	Special Purpose Charge Assessment Variance Account					\$0	Unclassified Asset
1525	Miscellaneous Deferred Debits					\$0	Unclassified Asset
1530	Deferred Losses from Disposition of Utility Plant					\$0	Unclassified Asset
1531	Renewable Connection Capital Deferral Account					\$0	Unclassified Asset
1532	Renewable Connection OM&A Deferral Account					\$0	Unclassified Asset
1533	Renewable Connection Funding Adder Deferral Account					\$0	Unclassified Asset
1534	Smart Grid Capital Deferral Account					\$0	Unclassified Asset
1535	Smart Grid OM&A Deferral Account					\$0	Unclassified Asset
1536	Smart Grid Funding Adder Deferral Account					\$0	Unclassified Asset
1540	Unamortized Loss on Reacquired Debt					\$0	Unclassified Asset
1545	Development Charge Deposits/ Receivables					\$0	Unclassified Asset
1548	RCVASTR					\$0	Unclassified Asset
1550	LV Variance Account					\$0	Unclassified Asset
1555	Smart Meter Capital and Recovery Variance Account					\$0	Unclassified Asset
1556	Smart Meter OM&A Variance Account					\$0	Unclassified Asset
1560	Deferred Development Costs					\$0	Unclassified Asset
1562	Deferred Payments in Lieu of Taxes					\$0	Unclassified Asset
1563	Account 1563 - Deferred PILs Contra Account					\$0	Unclassified Asset
1565	Conservation and Demand Management Expenditures and Recoveries					\$0	CDM Expenditures and Recoveries
1566	CDM Contra Account					\$0	Unclassified Asset
1567	Bd-approved CDM Variance Account					\$0	Unclassified Asset
1568	LRAM Variance Account					\$0	Unclassified Asset
1570	Qualifying Transition Costs					\$0	Unclassified Asset
1571	Pre-market Opening Energy Variance					\$0	Unclassified Asset
1572	Extraordinary Event Costs					\$0	Unclassified Asset
1574	Deferred Rate Impact Amounts					\$0	Unclassified Asset
1575	IFRS -CGAAP Transition PP&E Amounts					\$0	Unclassified Asset
1576	Accounting Changes under CGAAP					\$0	Unclassified Asset
1580	RSVAWMS					\$0	Unclassified Asset
1582	RSVAONE-TIME					\$0	Unclassified Asset

1584	RSVANW					\$0	Unclassified Asset
1586	RSVACN					\$0	Unclassified Asset
1588	RSVAPOWER					\$0	Unclassified Asset
1589	RSVA-GA					\$0	Unclassified Asset
1590	Recovery of Regulatory Asset Balances					\$0	Unclassified Asset
1592	2006 PILs Variance					\$0	Unclassified Asset
1595	Reg Balance Control Account					\$0	Unclassified Asset
1605	Electric Plant in Service - Control Account					\$0	Unclassified Asset
1606	Organization					\$0	Non-Distribution Asset
1608	Franchises and Consents					\$0	Other Distribution Assets
1610	Miscellaneous Intangible Plant					\$0	Non-Distribution Asset
1615	Land					\$0	Non-Distribution Asset
1616	Land Rights					\$0	Non-Distribution Asset
1620	Buildings and Fixtures					\$0	Non-Distribution Asset
1630	Leasehold Improvements					\$0	Non-Distribution Asset
1635	Boiler Plant Equipment					\$0	Non-Distribution Asset
1640	Engines and Engine-Driven Generators					\$0	Non-Distribution Asset
1645	Turbogenerator Units					\$0	Non-Distribution Asset
1650	Reservoirs, Dams and Waterways					\$0	Non-Distribution Asset
1655	Water Wheels, Turbines and Generators					\$0	Non-Distribution Asset
1660	Roads, Railroads and Bridges					\$0	Non-Distribution Asset
1665	Fuel Holders, Producers and Accessories					\$0	Non-Distribution Asset
1670	Prime Movers					\$0	Non-Distribution Asset
1675	Generators					\$0	Non-Distribution Asset
1680	Accessory Electric Equipment					\$0	Non-Distribution Asset
1685	Miscellaneous Power Plant Equipment					\$0	Non-Distribution Asset
1705	Land					\$0	Non-Distribution Asset
1706	Land Rights					\$0	Non-Distribution Asset
1708	Buildings and Fixtures					\$0	Non-Distribution Asset
1710	Leasehold Improvements					\$0	Non-Distribution Asset
1715	Station Equipment					\$0	Non-Distribution Asset
1720	Towers and Fixtures					\$0	Non-Distribution Asset
1725	Poles and Fixtures					\$0	Non-Distribution Asset
1730	Overhead Conductors and Devices					\$0	Non-Distribution Asset
1735	Underground Conduit					\$0	Non-Distribution Asset
1740	Underground Conductors and Devices					\$0	Non-Distribution Asset
1745	Roads and Trails					\$0	Non-Distribution Asset
1805	Land	\$43,534				\$43,534	Land and Buildings
1806	Land Rights					\$0	Land and Buildings
1808	Buildings and Fixtures	\$190,388				\$190,388	Land and Buildings
1810	Leasehold Improvements					\$0	Land and Buildings
1815	Transformer Station Equipment - Normally Primary above 50 kV	\$25,119,929		\$18,868,778		\$6,251,151	TS Primary Above 50
1820	Distribution Station Equipment - Normally Primary below 50 kV	\$1,163,659				\$1,163,659	DS
1825	Storage Battery Equipment					\$0	Other Distribution Assets
1830	Poles, Towers and Fixtures	\$108,666,310				\$108,666,310	Poles, Wires
1835	Overhead Conductors and Devices		\$3,218,985			\$3,218,985	Poles, Wires
1840	Underground Conduit	\$65,360,618				\$65,360,618	Poles, Wires
1845	Underground Conductors and Devices		\$53,060			\$53,060	Poles, Wires
1850	Line Transformers	\$54,127,141				\$54,127,141	Line Transformers
1855	Services	\$17,686,731		(\$3,272,045)		\$14,414,685	Services and Meters
1860	Meters	\$17,956,217				\$17,956,217	Services and Meters
blank row							
1865	Other Installations on Customer's Premises					\$0	Non-Distribution Asset
1870	Leased Property on Customer Premises					\$0	Non-Distribution Asset
1875	Street Lighting and Signal Systems					\$0	Non-Distribution Asset
1905	Land	\$1,156,900				\$1,156,900	Land and Buildings
1906	Land Rights	\$30,889				\$30,889	Land and Buildings
1908	Buildings and Fixtures	\$21,774,468				\$21,774,468	General Plant
1910	Leasehold Improvements	\$365,330				\$365,330	General Plant
1915	Office Furniture and Equipment	\$1,220,660				\$1,220,660	Equipment
1920	Computer Equipment - Hardware	\$6,257,866				\$6,257,866	IT Assets
1925	Computer Software	\$32,665,902				\$32,665,902	IT Assets
1930	Transportation Equipment	\$5,518,184				\$5,518,184	Equipment
1935	Stores Equipment	\$402,963				\$402,963	Equipment
1940	Tools, Shop and Garage Equipment	\$936,682				\$936,682	Equipment
1945	Measurement and Testing Equipment	\$4,104,015				\$4,104,015	Equipment
1950	Power Operated Equipment	\$175				\$175	Equipment
1955	Communication Equipment	\$566,375				\$566,375	Equipment



2505	Debentures Outstanding - Long Term Portion					\$0	Liability
2510	Debenture Advances					\$0	Liability
2515	Reacquired Bonds					\$0	Liability
2520	Other Long Term Debt					\$0	Liability
2525	Term Bank Loans - Long Term Portion					\$0	Liability
2530	Ontario Hydro Debt Outstanding - Long Term Portion					\$0	Liability
2550	Advances from Associated Companies					\$0	Liability
3005	Common Shares Issued					\$0	Equity
3008	Preference Shares Issued					\$0	Equity
3010	Contributed Surplus					\$0	Equity
3020	Donations Received					\$0	Equity
3022	Development Charges Transferred to Equity					\$0	Equity
3026	Capital Stock Held in Treasury					\$0	Equity
3030	Miscellaneous Paid-In Capital					\$0	Equity
3035	Installments Received on Capital Stock					\$0	Equity
3040	Appropriated Retained Earnings					\$0	Equity
3045	Unappropriated Retained Earnings					\$0	Equity
3046	Balance Transferred From Income		\$0		\$468,142	(\$8,439,030)	Equity
3047	Appropriations of Retained Earnings - Current Period					\$0	Equity
3048	Dividends Payable-Preference Shares					\$0	Equity
3049	Dividends Payable-Common Shares					\$0	Equity
3055	Adjustment to Retained Earnings					\$0	Equity
3065	Unappropriated Undistributed Subsidiary Earnings					\$0	Equity
3075	Non-Utility Shareholders' Equity					\$0	Equity
4006	Residential Energy Sales					\$0	Sales of Electricity
4010	Commercial Energy Sales					\$0	Sales of Electricity
4015	Industrial Energy Sales					\$0	Sales of Electricity
4020	Energy Sales to Large Users					\$0	Sales of Electricity
4025	Street Lighting Energy Sales					\$0	Sales of Electricity
4030	Sentinel Lighting Energy Sales					\$0	Sales of Electricity
4035	General Energy Sales					\$0	Sales of Electricity
4040	Other Energy Sales to Public Authorities					\$0	Sales of Electricity
4045	Energy Sales to Railroads and Railways					\$0	Sales of Electricity
4050	Revenue Adjustment					\$0	Sales of Electricity
4055	Energy Sales for Resale					\$0	Sales of Electricity
4060	Interdepartmental Energy Sales					\$0	Sales of Electricity
4062	Billed WMS					\$0	Sales of Electricity
4064	Billed-One-Time					\$0	Sales of Electricity
4066	Billed NW					\$0	Sales of Electricity
4068	Billed CN					\$0	Sales of Electricity
4069	Billed LV					\$0	Sales of Electricity
4080	Distribution Services Revenue					\$0	Distribution Services Revenue
4082	Retail Services Revenues					\$0	OM&A Other Distribution Revenue
4084	Service Transaction Requests (STR) Revenues					\$0	OM&A Other Distribution Revenue
4086	SSS Admin Charge	(\$270,691)				(\$270,691)	CCA Other Distribution Revenue
4090	Electric Services Incidental to Energy Sales					\$0	OM&A Other Distribution Revenue
4105	Transmission Charges Revenue					\$0	Other Revenue - Unclassified
4110	Transmission Services Revenue					\$0	Other Revenue - Unclassified
4205	Interdepartmental Rents					\$0	OM&A Other Distribution Revenue
4210	Rent from Electric Property	(\$1,485,454)				(\$1,485,454)	POLE Other Distribution Revenue
4215	Other Utility Operating Income					\$0	OM&A Other Distribution Revenue
4220	Other Electric Revenues					\$0	OM&A Other Distribution Revenue
4225	Late Payment Charges	(\$384,000)				(\$384,000)	LPHA Late Payment Charges
4230	Sales of Water and Water Power					\$0	Other Revenue - Unclassified
4235	Miscellaneous Service Revenues					\$0	Specific Service Charges
4235-1	Account Set Up Charges	(\$675,108)				(\$675,108)	CWNB Specific Service Charges
4235-90	Miscellaneous Service Revenues - Residual					\$0	OM&A Specific Service Charges
4240	Provision for Rate Refunds					\$0	OM&A Other Distribution Revenue
4245	Government Assistance Directly Credited to Income					\$0	OM&A Other Distribution Revenue
4305	Regulatory Debits					\$0	OM&A Other Income & Deductions
4310	Regulatory Credits					\$0	OM&A Other Income & Deductions
4315	Revenues from Electric Plant Leased to Others					\$0	OM&A Other Income & Deductions
4320	Expenses of Electric Plant Leased to Others					\$0	OM&A Other Income & Deductions
4324	Special Purpose Charge Recovery					\$0	Other Revenue - Unclassified
4325	Revenues from Merchandise, Jobbing, Etc.					\$0	OM&A Other Income & Deductions
4330	Costs and Expenses of Merchandising, Jobbing, Etc.					\$0	OM&A Other Income & Deductions
4335	Profits and Losses from Financial Instrument Hedges					\$0	OM&A Other Income & Deductions
4340	Profits and Losses from Financial Instrument Investments					\$0	OM&A Other Income & Deductions
4345	Gains from Disposition of Future Use Utility Plant					\$0	OM&A Other Income & Deductions

4350	Losses from Disposition of Future Use Utility Plant					\$0	OM&A	Other Income & Deductions
4355	Gain on Disposition of Utility and Other Property					\$0	O&M	Other Income & Deductions
4360	Loss on Disposition of Utility and Other Property					\$0	OM&A	Other Income & Deductions
4365	Gains from Disposition of Allowances for Emission					\$0	OM&A	Other Income & Deductions
4370	Losses from Disposition of Allowances for Emission					\$0	OM&A	Other Income & Deductions
4375	Revenues from Non-Utility Operations	(\$22,875,054)				(\$22,875,054)	O&M	Other Revenue - Unclassified
4380	Expenses of Non-Utility Operations	\$22,224,672				\$22,224,672	OM&A	Other Revenue - Unclassified
4385	Non-Utility Rental Income					\$0		Other Revenue - Unclassified
4390	Miscellaneous Non-Operating Income	(\$102,280)				(\$102,280)	OM&A	Other Income & Deductions
4395	Rate-Payer Benefit Including Interest					\$0	OM&A	Other Income & Deductions
4398	Foreign Exchange Gains and Losses, Including Amortization					\$0		
4405	Interest and Dividend Income	(\$440,000)				(\$440,000)	OM&A	Other Income & Deductions
4415	Equity in Earnings of Subsidiary Companies					\$0	OM&A	Other Income & Deductions
4505	Operation Supervision and Engineering					\$0		Non-Distribution Expenses
4510	Fuel					\$0		Non-Distribution Expenses
4515	Steam Expense					\$0		Non-Distribution Expenses
4520	Steam From Other Sources					\$0		Non-Distribution Expenses
4525	Steam Transferred--Credit					\$0		Non-Distribution Expenses
4530	Electric Expense					\$0		Non-Distribution Expenses
4535	Water For Power					\$0		Non-Distribution Expenses
4540	Water Power Taxes					\$0		Non-Distribution Expenses
4545	Hydraulic Expenses					\$0		Non-Distribution Expenses
4550	Generation Expense					\$0		Non-Distribution Expenses
4555	Miscellaneous Power Generation Expenses					\$0		Non-Distribution Expenses
4560	Rents					\$0		Non-Distribution Expenses
4565	Allowances for Emissions					\$0		Non-Distribution Expenses
4605	Maintenance Supervision and Engineering					\$0		Non-Distribution Expenses
4610	Maintenance of Structures					\$0		Non-Distribution Expenses
4615	Maintenance of Boiler Plant					\$0		Non-Distribution Expenses
4620	Maintenance of Electric Plant					\$0		Non-Distribution Expenses
4625	Maintenance of Reservoirs, Dams and Waterways					\$0		Non-Distribution Expenses
4630	Maintenance of Water Wheels, Turbines and Generators					\$0		Non-Distribution Expenses
4635	Maintenance of Generating and Electric Plant					\$0		Non-Distribution Expenses
4640	Maintenance of Miscellaneous Power Generation Plant					\$0		Non-Distribution Expenses
4705	Power Purchased	\$220,606,847				\$220,606,847		Power Supply Expenses (Working Capital)
4708	Charges-WMS	\$6,692,627				\$6,692,627		Power Supply Expenses (Working Capital)
4710	Cost of Power Adjustments	(\$237,189)				(\$237,189)		Power Supply Expenses (Working Capital)
4712	Charges-One-Time					\$0		Power Supply Expenses (Working Capital)
4714	Charges-NW	\$17,791,870				\$17,791,870		Power Supply Expenses (Working Capital)
4715	System Control and Load Dispatching					\$0		Other Power Supply Expenses
4716	Charges-CN	\$11,456,680				\$11,456,680		Power Supply Expenses (Working Capital)
4720	Other Expenses					\$0		Other Power Supply Expenses
4725	Competition Transition Expense					\$0		Other Power Supply Expenses
4730	Rural Rate Assistance Expense					\$0		Power Supply Expenses (Working Capital)
4750	Charges-LV					\$0		Power Supply Expenses (Working Capital)
4751	Charges - Smart Metering Entity Charge	\$597,980				\$597,980		Power Supply Expenses (Working Capital)
4805	Operation Supervision and Engineering					\$0		Non-Distribution Expenses
4810	Load Dispatching					\$0		Non-Distribution Expenses
4815	Station Buildings and Fixtures Expenses					\$0		Non-Distribution Expenses
4820	Transformer Station Equipment - Operating Labour					\$0		Non-Distribution Expenses
4825	Transformer Station Equipment - Operating Supplies and Expense					\$0		Non-Distribution Expenses
4830	Overhead Line Expenses					\$0		Non-Distribution Expenses
4835	Underground Line Expenses					\$0		Non-Distribution Expenses
4840	Transmission of Electricity by Others					\$0		Non-Distribution Expenses
4845	Miscellaneous Transmission Expense					\$0		Non-Distribution Expenses
4850	Rents					\$0		Non-Distribution Expenses
4905	Maintenance Supervision and Engineering					\$0		Non-Distribution Expenses
4910	Maintenance of Transformer Station Buildings and Fixtures					\$0		Non-Distribution Expenses
4916	Maintenance of Transformer Station Equipment					\$0		Non-Distribution Expenses
4930	Maintenance of Towers, Poles and Fixtures					\$0		Non-Distribution Expenses
4935	Maintenance of Overhead Conductors and Devices					\$0		Non-Distribution Expenses
4940	Maintenance of Overhead Lines - Right of Way					\$0		Non-Distribution Expenses
4945	Maintenance of Overhead Lines - Roads and Trails Repairs					\$0		Non-Distribution Expenses







Reclassification Equals to Zero. O.K. to Proceed.

Asset Accounts Directly Allocated	\$10,350,760
Income Statement Accounts Directly Allocated	\$1,752,375

Grouped Accounts	Financial Statement Reclassified Balance	
Land and Buildings	\$1,421,712	\$1,421,712
TS Primary Above 50	\$25,119,929	\$6,251,151
DS	\$1,163,659	\$1,163,659
Poles, Wires	\$174,026,928	\$177,298,973
Line Transformers	\$54,127,141	\$54,127,141
Services and Meters	\$35,642,947	\$32,370,902
General Plant	\$22,139,798	\$22,139,798
Equipment	\$15,690,200	\$15,690,200
IT Assets	\$38,923,768	\$38,923,768
CDM Expenditures and Recoveries	\$0	\$0
Other Distribution Assets	\$0	\$0
Contributions and Grants	(\$31,502,832)	(\$31,502,832)
Accumulated Amortization	(\$110,280,093)	(\$101,762,075)
Non-Distribution Asset	\$0	\$0
Unclassified Asset	\$0	\$0
Liability	\$0	\$0
Equity	\$0	(\$8,439,030)
Sales of Electricity	\$0	\$0
Distribution Services Revenue	\$0	\$0
Late Payment Charges	(\$384,000)	(\$384,000)
Specific Service Charges	(\$675,108)	(\$675,108)
Other Distribution Revenue	(\$1,756,144)	(\$1,756,144)
Other Revenue - Unclassified	(\$650,382)	(\$650,382)
Other Income & Deductions	(\$542,280)	(\$542,280)
Power Supply Expenses (Working Capital)	\$256,908,815	\$256,908,815
Other Power Supply Expenses	\$0	\$0
Operation (Working Capital)	\$7,729,065	\$7,456,877
Maintenance (Working Capital)	\$3,174,613	\$2,787,106
Billing and Collection (Working Capital)	\$2,463,353	\$2,463,353
Community Relations (Working Capital)	\$147,723	\$147,723
Community Relations - CDM (Working Capital)	\$0	\$0
Administrative and General Expenses (Working Capital)	\$14,613,420	\$14,613,420
Insurance Expense (Working Capital)	\$488,773	\$488,773
Bad Debt Expense (Working Capital)	\$659,334	\$659,334
Advertising Expenses	\$71,534	\$71,534
Charitable Contributions	\$0	\$0
Amortization of Assets	\$11,500,628	\$10,833,102
Other Amortization - Unclassified	\$0	\$0
Interest Expense - Unclassified	\$0	\$5,698,695
Income Tax Expense - Unclassified	\$0	\$1,965,399
Other Distribution Expenses	\$401,305	\$401,305
Non-Distribution Expenses	\$0	\$0
Unclassified Expenses	\$299	\$299
<b>Total</b>	<b>\$520,624,106</b>	<b>\$508,171,190</b>

# 2019 Cost Allocation Model

**EB-2019-0032**
**Sheet L4 Break Out Worksheet -**
**Instructions:**

This is an input sheet for the Break Out of Distribution Assets, Contributed Capital, Amortization, and Amortization Expenses.

*\*\*\*Please see Instructions tab for detailed instructions\*\*\**

Enter Net Fixed Assets from the Revenue Requirement Work Form, Rate Base sheet, cell G15	\$226,473,157
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RATE BASE AND DISTRIBUTION ASSETS		BALANCE SHEET ITEMS									EXPENSE ITEMS			
Account	Description	Break out Functions	BREAK OUT (%)	BREAK OUT (\$)	After BO	Contributed Capital - 1995	Accumulated Depreciation - 2105 Capital Contribution	Accumulated Depreciation - 2105 Fixed Assets Only	Accumulated Depreciation - 2120	Asset net of Accumulated Depreciation and Contributed Capital	5705 Amortization Expense - Property, Plant, and Equipment	5710 Amortization of Limited Term Electric Plant	5715 Amortization of Intangibles and Other Electric Plant	5720 Amortization of Electric Plant Acquisition Adjustments
1565	Conservation and Demand Management	\$0		-	-					-				
1805	Land	\$43,534		(\$43,534)	-									
1805-1	Land Station >50 kV			\$0	-					-				
1805-2	Land Station <50 kV		100.00%	\$43,534	43,534					43,534				
1806	Land Rights	\$0		\$0	-									
1806-1	Land Rights Station >50 kV			\$0	-					-				
1806-2	Land Rights Station <50 kV		100.00%	\$0	-					-				
1808	Buildings and Fixtures	\$190,388		(\$190,388)	-									
1808-1	Buildings and Fixtures > 50 kV			\$0	-					-				
1808-2	Buildings and Fixtures < 50 KV		100.00%	\$190,388	190,388			\$ (46,122)		144,267	\$6,097			
1810	Leasehold Improvements	\$0		\$0	-									
1810-1	Leasehold Improvements >50 kV			\$0	-					-				
1810-2	Leasehold Improvements <50 kV		100.00%	\$0	-					-				
1815	Transformer Station Equipment - Normally Primary above 50 kV	\$6,251,151		\$0	6,251,151			\$ (2,576,615)		3,674,536	\$212,928			
1820	Distribution Station Equipment - Normally Primary below 50 kV	\$1,163,659		(\$1,163,659)	-					-				
1820-1	Distribution Station Equipment - Normally Primary below 50 kV (Bulk)			\$0	-					-				
1820-2	Distribution Station Equipment - Normally Primary below 50 kV Primary)		100.00%	\$1,163,659	1,163,659			\$ (310,406)		853,253	\$32,644			
1820-3	Distribution Station Equipment - Normally Primary below 50 kV (Wholesale Meters)		0.00%	\$0	-					-				
1825	Storage Battery Equipment	\$0		\$0	-									
1825-1	Storage Battery Equipment > 50 kV			\$0	-					-				
1825-2	Storage Battery Equipment <50 kV		100.00%	\$0	-					-				
1830	Poles, Towers and Fixtures	\$108,666,310		(\$108,666,310)	-									
1830-3	Poles, Towers and Fixtures - Subtransmission Bulk Delivery			\$0	-					-				
1830-4	Poles, Towers and Fixtures - Primary		68.10%	\$74,001,757	74,001,757	(\$6,328,692)	\$678,770	\$ (11,678,226)		56,673,609	\$1,654,800			
1830-5	Poles, Towers and Fixtures - Secondary		31.90%	\$34,664,553	34,664,553	(\$2,964,541)	\$317,955	\$ (5,470,417)		26,547,550	\$775,156			
1835	Overhead Conductors and Devices	\$3,218,985		(\$3,218,985)	-									
1835-3	Overhead Conductors and Devices - Subtransmission Bulk Delivery			\$0	-					-				
1835-4	Overhead Conductors and Devices - Primary			\$0	-					-				
1835-5	Overhead Conductors and Devices - Secondary		100.00%	\$3,218,985	3,218,985	(\$859,719)	\$73,583	\$ (329,024)		2,103,825	\$45,033			
1840	Underground Conduit	\$65,360,618		(\$65,360,618)	-									
1840-3	Underground Conduit - Bulk Delivery			\$0	-					-				
1840-4	Underground Conduit - Primary		100.00%	\$65,360,618	65,360,618	(\$10,345,964)	\$1,921,573	\$ (15,056,538)		41,879,689	\$1,662,388			
1840-5	Underground Conduit - Secondary		0.00%	\$0	-					-				
1845	Underground Conductors and Devices	\$53,060		(\$53,060)	-									
1845-3	Underground Conductors and Devices - Bulk Delivery			\$0	-					-				
1845-4	Underground Conductors and Devices - Primary			\$0	-					-				
1845-5	Underground Conductors and Devices - Secondary		100.00%	\$53,060	53,060	(\$14,171)	\$1,213	\$ (5,423)		34,678	\$742			
1850	Line Transformers	\$54,127,141		\$0	54,127,141	(\$6,648,005)	\$891,590	\$ (12,230,739)		36,139,988	\$1,406,713			
1855	Services	\$14,414,685		\$0	14,414,685	(\$3,849,841)	\$329,507	\$ (1,473,378)		9,420,973	\$201,657			
1860	Meters	\$17,956,217		\$0	17,956,217	(\$419,590)	\$132,786	\$ (8,595,967)		9,073,445	\$1,144,478			

# 2019 Cost Allocation Model

EB-2019-0032

## Sheet L4 Break Out Worksheet -

**Instructions:**

This is an input sheet for the Break Out of Distribution Assets, Contributed Capital, Amortization, and Amortization Expenses.

**\*\*Please see Instructions tab for detailed instructions\*\***

Enter Net Fixed Assets from the Revenue Requirement Work Form, Rate Base sheet, cell G15	\$226,473,157
--	---------------

RATE BASE AND DISTRIBUTION ASSETS		BALANCE SHEET ITEMS									EXPENSE ITEMS			
											5705	5710	5715	5720
Account	Description	Break out Functions	BREAK OUT (%)	BREAK OUT (\$)	After BO	Contributed Capital - 1995	Accumulated Depreciation - 2105 Capital Contribution	Accumulated Depreciation - 2105 Fixed Assets Only	Accumulated Depreciation - 2120	Asset net of Accumulated Depreciation and Contributed Capital	Amortization Expense - Property, Plant, and Equipment	Amortization of Limited Term Electric Plant	Amortization of Intangibles and Other Electric Plant	Amortization of Electric Plant Acquisition Adjustments
	Total	\$271,445,748		(\$0)	\$271,445,748	(\$31,430,524)	\$4,346,977	(\$57,772,855)	\$0	186,589,346	\$7,142,635	\$0	\$0	\$0
	SUB TOTAL from I3	\$271,445,748												
											5705	5710	5715	5720

# 2019 Cost Allocation Model

**EB-2019-0032**
**Sheet I4 Break Out Worksheet -**
**Instructions:**

This is an input sheet for the Break Out of Distribution Assets, Contributed Capital, Amortization, and Amortization Expenses.

*\*\*Please see Instructions tab for detailed instructions\*\**

Enter Net Fixed Assets from the Revenue Requirement Work Form, Rate Base sheet, cell G15	\$226,473,157
--	---------------

RATE BASE AND DISTRIBUTION ASSETS		BALANCE SHEET ITEMS									EXPENSE ITEMS				
Account	Description	Break out Functions	BREAK OUT (%)	BREAK OUT (\$)	After BO	Contributed Capital - 1995	Accumulated Depreciation - 2105 Capital Contribution	Accumulated Depreciation - 2105 Fixed Assets Only	Accumulated Depreciation - 2120	Asset net of Accumulated Depreciation and Contributed Capital	5705	5710	5715	5720	
											Amortization Expense - Property, Plant, and Equipment	Amortization of Limited Term Electric Plant	Amortization of Intangibles and Other Electric Plant	Amortization of Electric Plant Acquisition Adjustments	
General Plant		Break out Functions				Contributed Capital - 1995	Accumulated Depreciation - 2105 Capital Contribution	Accumulated Depreciation - 2105 Fixed Assets Only	Accumulated Depreciation - 2120	Net Asset	Amortization Expense - Property, Plant, and Equipment	Amortization of Limited Term Electric Plant	Amortization of Intangibles and Other Electric Plant	Amortization of Electric Plant Acquisition Adjustments	
1905	Land	\$1,156,900			1,156,900					\$ 1,156,900					
1906	Land Rights	\$30,889			30,889					\$ 30,889					
1908	Buildings and Fixtures	\$21,774,468			21,774,468			\$ (8,125,457)		\$ 13,649,011	\$721,327				
1910	Leasehold Improvements	\$365,330			365,330			\$ (29,033)		\$ 336,297					
1915	Office Furniture and Equipment	\$1,220,660			1,220,660			\$ (627,036)		\$ 593,624	\$77,864				
1920	Computer Equipment - Hardware	\$6,257,866			6,257,866			\$ (4,797,765)		\$ 1,460,100	\$538,887				
1925	Computer Software	\$32,665,902			32,665,902				\$ (28,812,550)	\$ 3,853,352	\$1,808,063				
1930	Transportation Equipment	\$5,518,184			5,518,184			\$ (1,413,147)		\$ 4,105,036	\$0				
1935	Stores Equipment	\$402,963			402,963			\$ (177,211)		\$ 225,752	\$0				
1940	Tools, Shop and Garage Equipment	\$936,682			936,682				\$ (398,082)	\$ 538,601	\$82,998				
1945	Measurement and Testing Equipment	\$4,104,015			4,104,015	(\$72,308)	\$25,285	\$ (1,702,724)		\$ 2,354,269	\$245,987				
1950	Power Operated Equipment	\$175			175			\$ (175)		\$ -					
1955	Communication Equipment	\$566,375			566,375			\$ (534,593)		\$ 31,782	\$20,089				
1960	Miscellaneous Equipment	\$2,941,145			2,941,145			\$ (1,743,709)		\$ 1,197,436	\$168,217				
1970	Load Management Controls - Customer Premises	\$0			-					\$ -					
1975	Load Management Controls - Utility Premises	\$0			-					\$ -					
1980	System Supervisory Equipment	\$0			-					\$ -					
1990	Other Tangible Property	\$0			-					\$ -					
2005	Property Under Capital Leases	\$0			-					\$ -					
2010	Electric Plant Purchased or Sold	\$0			-					\$ -					
	Total	\$77,941,556		\$0	\$77,941,556	(\$72,308)	\$25,285	(\$19,548,932)	(\$28,812,550)	\$29,533,051	\$3,690,466	\$0	\$0	\$0	
	SUB TOTAL from I3	\$77,941,556													
	I3 Directly Allocated	\$10,350,760													
	Grand Total	\$359,738,064		(\$0)	\$349,387,304	(\$31,502,832)	\$4,372,262	(\$77,321,787)	(\$28,812,550)	\$216,122,397	\$10,833,101	\$0	\$0	\$0	

 Ontario Energy Board

# 2019 Cost Allocation Model

EB-2019-0032  
Sheet I4 Break Out Worksheet -

EB-2019-0032  
Sheet I4 Break Out Worksheet -

**Instructions:**  
This is an input sheet for the Break Out of Distribution Assets, Contributed Capital, Amortization, and Amortization Expenses.  
**\*\*Please see Instructions tab for detailed instructions\*\***

**Instructions:**  
This is an input sheet for the Break Out of Distribution Assets, Contributed Capital, Amortization, and Amortization Expenses.  
**\*\*Please see Instructions tab for detailed instructions\*\***

**Instructions:**  
This is an input sheet for the Break Out of Distribution Assets, Contributed Capital, Amortization, and Amortization Expenses.  
**\*\*Please see Instructions tab for detailed instructions\*\***

Enter Net Fixed Assets from the Revenue Requirement Work Form, Rate Base sheet, cell G15	\$226,473,157
--	---------------

[illegible]



Ontario Energy Board

## 2019 Cost Allocation Model

**EB-2019-0032**

**Sheet 15.1 Miscellaneous Data Worksheet -**

---

Structure KM (kMs of Roads in Service  
Area that have distribution line)

1010

Deemed Equity Component of Rate  
Base (ref: RRWF 7. cell F24)

40%

Working Capital Allowance to be  
included in Rate Base (%)

7.5%

Portion of pole leasing revenue from  
Secondary - Remainder assumed to be  
Primary (%)

32%



Ontario Energy Board

# 2019 Cost Allocation Model

**EB-2019-0032**

**Sheet 15.2 Weighting Factors Worksheet -**

1	2	3	5	6	7	8	9
Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
1.0	2.9	5.5	0.0	0.0	1.0	1.0	1.0
1.0	1.1	5.4	60.3	60.3	27.9	0.4	2.6

Insert Weighting Factor for Services Account 1855

Insert Weighting Factor for Billing and Collecting



**Sheet I6.1 Revenue Worksheet -**[illegible]



# 2019 Cost Allocation Model

EB-2019-0032

## Sheet 16.2 Customer Data Worksheet -

			1	2	3	5	6	7	8	9
	ID	Total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
<b>Billing Data</b>										
Bad Debt 3 Year Historical Average	BDHA	\$513,549	\$460,605	\$23,106	\$29,644	\$0	\$0	\$0	\$193	\$0
Late Payment 3 Year Historical Average	LPHA	\$289,971	\$200,787	\$40,934	\$46,194	\$0	\$1,716	\$0	\$224	\$118
Number of Bills	CNB	1,067,940	963,516	85,572.00	15,288.00	36.00	72.00	24.00	3,060.00	372.00
Number of Devices	CDEV							24,188	512	721
Number of Connections (Unmetered)	CCON	23,068						21,835	512	721
Total Number of Customers	CCA	88,995	80,293	7,131	1,274	3	6	2	255	31
Bulk Customer Base	CCB	88,995	80,293	7,131	1,274	3	6	2	255	31
Primary Customer Base	CCP	89,869	80,293	7,131	1,274	3	6	876	255	31
Line Transformer Customer Base	CCLT	89,761	80,293	7,131	1,175	-	-	876	255	31
Secondary Customer Base	CCS	85,576	78,450	6,190	661	-	-	-	255	20
Weighted - Services	CWCS	123,105	78,450	17,951	3,636	-	-	21,835	512	721
Weighted Meter -Capital	CWMC	27,755,274	15,828,151	4,662,907	6,882,311	333,099	48,806	-	-	-
Weighted Meter Reading	CWMR	94,947	80,329	8,065	6,419	71	63	-	-	-
Weighted Bills	CWNB	1,149,574	963,516	94,129	82,555	2,171	4,342	670	1,224	967

### Bad Debt Data

Historic Year:	2015	493,509	521,709	5,567	-	34,259	-	-	-	493	-
Historic Year:	2016	708,234	648,810	14,949		44,495	-	-	-	21	-
Historic Year:	2017	338,903	211,297	48,803		78,696	-	-	-	106	-
Three-year average		513,549	460,605	23,106		29,644	-	-	-	193	-

2019 Cost Allocation Model

EB-2019-0032

Sheet I7.1 Meter Capital Worksheet -

	Residential			GS <50			GS>50 - 50-4,999 KW Regular			Large Use - STS			Large Use - Regular			Street Light			Sentinel			Unmetered Scattered Load			TOTAL		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs
Allocation Percentage																											
Weighted Factor			57.03%			17%			25%			1%			0%			0%			0%			0%			100%
Cost Relative to Residential Average Cost			1.00			2.94			26.30			211.31			35.38			-			-			-			1.57
Total	80329	15828150.66	197.0415499	8057	4662907.27	578.7398871	1326	6882310.81	5162.462969	8	333099.01	41637.37625	7	48805.88	6972.27	0	0	-	0	0	-	0	0	-	89729	27755273.64	309.3233363
Cost per Meter (Installed)																											
		0			0			0			0			0			0			0			0		0	0	
1,819	82	112771.8		839	1526057.1		574	1044048.6			0			0			0			0			0		1,475	2682877.5	
462	2,069	955029.71		79	36465.61			0			0			0			0			0			0		2,148	991495.32	
		0			0			0			0			0			0			0			0		0	0	
187	77,899	14529721.48		4,125	769395			0			0			0			0			0			0		82,024	15299116.48	
		0			0			0			0			0			0			0			0		0	0	
		0			0			0			0			0			0			0			0		0	0	
		0			0			0			0			0			0			0			0		0	0	
		0			0			0			0			0			0			0			0		0	0	
		0			0			0			0			0			0			0			0		0	0	
		0			0			0			0			0			0			0			0		0	0	
771	299	230627.67		3,013	2324017.29		112	86388.96			0			0			0			0			0		3,424	2641033.92	
6972		0		1	6972.27		619	4315835.13		3	20916.81		7	48805.88			0			0			0		630	4362530.1	
\$62,436		0			0		23	1436038.12		5	312182.2			0			0			0			0		28	1748220.32	

2019 Cost Allocation Model

EB-2019-0032

Sheet 17.2 Meter Reading Worksheet -

Weighting Factors based on:  
Contractor Pricing

Description		1			2			3			5			6			7			8			9			TOTAL		
		Residential			GS <50			GS>50 - 50-4,999 KW Regular			Large Use - 3TS			Large Use - Regular			Street Light			Sentinel			Unmetered Scattered Load					
		Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs
	Allocation Percentage	84.60%			8.49%			6.76%			0.08%			0.07%			0.00%			0.00%			0.00%			100.00%		
	Weighted Factor																											
	Cost Relative to Residential Average Cost	1.00			1.00			4.83			8.93			8.93			0.00			0.00			0.00			24.69		
	Total	80,329	80,329	1.00	8,057	8,065	1.00	1,328	6,419	4.83	8	71	8.93	7	63	8.93	-	-	0	-	-	0	-	-	0	89,729	94,347	25
	Factor																											
Residential - Urban - Outside		0			0			0			0			0			0			0			0			-		-
Residential - Urban - Outside with other services		0			0			0			0			0			0			0			0			-		-
Residential - Urban - Inside		0			0			0			0			0			0			0			0			-		-
Residential - Urban - Inside - with other services		0			0			0			0			0			0			0			0			-		-
Residential - Rural - Outside		0			0			0			0			0			0			0			0			-		-
Residential - Rural - Outside with other services		0			0			0			0			0			0			0			0			-		-
Smart Meter	1.00	77,899	77,899		4,125	4,125								0						0						82,024	82,024	
Smart Meter with Demand	1.00	299	299		3,013	3,013		112	112					0						0						3,424	3,424	
GS - Walking		0			0						0			0			0			0			0			-		-
GS - Walking - with other services		0			0						0			0			0			0			0			-		-
GS - Vehicle with other services --- TOU Road		0			0			0			0			0			0			0			0			-		-
GS - Vehicle with other services		0			0			0			0			0			0			0			0			-		-
Central Meter	1.00	62	62		839	839		574	574					0						0						1,475	1,475	
Network Meter	1.00	2,069	2,069		79	79		0	0					0						0						2,148	2,148	
Interval	8.93	0			1	9		619	5,628		3	27		7	63		0			0			0			630	5,626	
LDC Specific S		0			0						0			0			0			0			0			-		-
Wholesale Metering Point	8.93	0			0			23	205		5	45					0			0			0			28	250	

# 2019 Cost Allocation Model

**EB-2019-0032**
**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	5	6	7	8	9	
		Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	
		CP Sanity Check	Pass	Pass	Pass	Pass	Check 12CP	Check 4CP and 12CP	Check 4CP and 12CP	Check 4CP and 12CP
CO-INCIDENT PEAK										
1 CP										
Transformation CP	TCP1	384,049	157,254	35,947	156,696	33,902	-	-	251	
Bulk Delivery CP	BCP1	384,049	157,254	35,947	156,696	33,902	-	-	251	
Total Sytem CP	DCP1	384,049	157,254	35,947	156,696	33,902	-	-	251	
4 CP										
Transformation CP	TCP4	1,400,306	557,429	126,740	578,338	135,100	1,520	173	1,005	
Bulk Delivery CP	BCP4	1,400,306	557,429	126,740	578,338	135,100	1,520	173	1,005	
Total Sytem CP	DCP4	1,400,306	557,429	126,740	578,338	135,100	1,520	173	1,005	
12 CP										
Transformation CP	TCP12	3,559,747	1,228,720	327,482	1,582,488	407,703	9,262	1,053	3,038	
Bulk Delivery CP	BCP12	3,559,747	1,228,720	327,482	1,582,488	407,703	9,262	1,053	3,038	
Total Sytem CP	DCP12	3,559,747	1,228,720	327,482	1,582,488	407,703	9,262	1,053	3,038	
NON CO_INCIDENT PEAK										
NCP										
Sanity Check										
Pass										
Pass										
Pass										
Pass										
Pass										
Pass										
Pass										
1 NCP										
Classification NCP from Load Data Provider	DNCP1	423,620	169,244	46,041	161,484	44,777	1,616	187	270	
Primary NCP	PNCP1	423,620	169,244	46,041	161,484	44,777	1,616	187	270	
Line Transformer NCP	LTNCP1	366,294	169,244	46,041	148,935	-	1,616	187	270	
Secondary NCP	SNCP1	291,182	165,359	39,965	83,784	-	1,616	187	270	
4 NCP										
Classification NCP from Load Data Provider	DNCP4	1,535,332	581,466	153,996	618,268	173,465	6,346	729	1,062	
Primary NCP	PNCP4	1,535,332	581,466	153,996	618,268	173,465	6,346	729	1,062	
Line Transformer NCP	LTNCP4	1,313,822	581,466	153,996	570,224	-	6,346	729	1,062	
Secondary NCP	SNCP4	1,030,712	568,119	133,675	320,781	-	6,346	729	1,062	
12 NCP										
Classification NCP from Load Data Provider	DNCP12	3,982,169	1,351,366	386,894	1,728,475	491,680	18,529	2,122	3,103	
Primary NCP	PNCP12	3,982,169	1,351,366	386,894	1,728,475	491,680	18,529	2,122	3,103	
Line Transformer NCP	LTNCP12	3,356,172	1,351,366	386,894	1,594,159	-	18,529	2,122	3,103	
Secondary NCP	SNCP12	2,576,740	1,320,347	335,840	896,799	-	18,529	2,122	3,103	

# 2019 Cost Allocation Model

2019-01-01-00-00-00

## Sheet I9 Direct Allocation Worksheet -

**Instructions:**

More Instructions provided on the first tab in this workbook.

USoA Account #	Accounts	Direct Allocation	Total Allocated to Rate Classifications?	1 Residential	2 GS <50	3 0 - 50-4,999 KW R	5 Large Use - 3TS	6 Large Use - Regular	7 Street Light	8 Sentinel	9 Metered Scattered Load
----------------------	----------	-------------------	--	------------------	-------------	------------------------	----------------------	--------------------------	-------------------	---------------	-----------------------------

**Instructions:**

To Allocate Capital Contributions by Rate Classification, Input Allocation on Next Line

1995	Contributions and Grants - Credit	\$0	Yes								
------	-----------------------------------	-----	-----	--	--	--	--	--	--	--	--

**Instructions:**

The Following is Used to Allocate Directly Allocated Costs from I3 to Rate Classifications

1805	Land	\$0	Yes								
1806	Land Rights	\$0	Yes								
1808	Buildings and Fixtures	\$0	Yes								
1810	Leasehold Improvements	\$0	Yes								
1815	Transformer Station Equipment - Normally Primary above 50 kV	\$18,868,778	Yes				\$18,868,778				
1820	Distribution Station Equipment - Normally Primary below 50 kV	\$0	Yes								
1825	Storage Battery Equipment	\$0	Yes								
1830	Poles, Towers and Fixtures	\$0	Yes								
1835	Overhead Conductors and Devices	\$0	Yes								
1840	Underground Conduit	\$0	Yes								
1845	Underground Conductors and Devices	\$0	Yes								
1850	Line Transformers	\$0	Yes								
1855	Services	\$0	Yes								

1860	Meters	\$0	Yes								
	blank row	\$0	Yes								
1905	Land	\$0	Yes								
1906	Land Rights	\$0	Yes								
1908	Buildings and Fixtures	\$0	Yes								
1910	Leasehold Improvements	\$0	Yes								
1915	Office Furniture and Equipment	\$0	Yes								
1920	Computer Equipment - Hardware	\$0	Yes								
1925	Computer Software	\$0	Yes								
1930	Transportation Equipment	\$0	Yes								
1935	Stores Equipment	\$0	Yes								
1940	Tools, Shop and Garage Equipment	\$0	Yes								
1945	Measurement and Testing Equipment	\$0	Yes								
1950	Power Operated Equipment	\$0	Yes								
1955	Communication Equipment	\$0	Yes								
1960	Miscellaneous Equipment	\$0	Yes								
1970	Load Management Controls - Customer Premises	\$0	Yes								
1975	Load Management Controls - Utility Premises	\$0	Yes								
1980	System Supervisory Equipment	\$0	Yes								
1990	Other Tangible Property	\$0	Yes								
2005	Property Under Capital Leases	\$0	Yes								
2010	Electric Plant Purchased or Sold	\$0	Yes								
2050	Completed Construction Not Classified - Electric	\$0	Yes								
2105	Accum. Amortization of Electric Utility Plant - Property, Plant, & Equipment	(\$8,518,018)	Yes				(\$8,518,018)				
2120	Accumulated Amortization of Electric Utility Plant - Intangibles	\$0	Yes								
	<b>Directly Allocated Net Fixed Assets</b>	<b>\$10,350,760</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,350,760</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
5005	Operation Supervision and Engineering	\$0	Yes								
5010	Load Dispatching	\$0	Yes								
5012	Station Buildings and Fixtures Expense	\$0	Yes								
5014	Transformer Station Equipment - Operation Labour	\$262,926	Yes				\$262,925.52				
5015	Transformer Station Equipment - Operation Supplies and Expenses	\$9,263	Yes				\$9,262.58				
5016	Distribution Station Equipment - Operation Labour	\$0	Yes								
5017	Distribution Station Equipment - Operation Supplies and Expenses	\$0	Yes								
5020	Overhead Distribution Lines and Feeders - Operation Labour	\$0	Yes								
5025	Overhead Distribution Lines & Feeders - Operation Supplies and Expenses	\$0	Yes								
5030	Overhead Subtransmission Feeders - Operation	\$0	Yes								

5035	Overhead Distribution Transformers- Operation	\$0	Yes								
5040	Underground Distribution Lines and Feeders - Operation Labour	\$0	Yes								
5045	Underground Distribution Lines & Feeders - Operation Supplies & Expenses	\$0	Yes								
5050	Underground Subtransmission Feeders - Operation	\$0	Yes								
5055	Underground Distribution Transformers - Operation	\$0	Yes								
5065	Meter Expense	\$0	Yes								
5070	Customer Premises - Operation Labour	\$0	Yes								
5075	Customer Premises - Materials and Expenses	\$0	Yes								
5085	Miscellaneous Distribution Expense	\$0	Yes								
5090	Underground Distribution Lines and Feeders - Rental Paid	\$0	Yes								
5095	Overhead Distribution Lines and Feeders - Rental Paid	\$0	Yes								
5096	Other Rent	\$0	Yes								
5105	Maintenance Supervision and Engineering	\$0	Yes								
5110	Maintenance of Buildings and Fixtures - Distribution Stations	\$0	Yes								
5112	Maintenance of Transformer Station Equipment	\$387,507	Yes				\$387,506.85				
5114	Maintenance of Distribution Station Equipment	\$0	Yes								
5120	Maintenance of Poles, Towers and Fixtures	\$0	Yes								
5125	Maintenance of Overhead Conductors and Devices	\$0	Yes								
5130	Maintenance of Overhead Services	\$0	Yes								
5135	Overhead Distribution Lines and Feeders - Right of Way	\$0	Yes								
5145	Maintenance of Underground Conduit	\$0	Yes								
5150	Maintenance of Underground Conductors and Devices	\$0	Yes								
5155	Maintenance of Underground Services	\$0	Yes								
5160	Maintenance of Line Transformers	\$0	Yes								
5175	Maintenance of Meters	\$0	Yes								
5305	Supervision	\$0	Yes								
5310	Meter Reading Expense	\$0	Yes								



5315	Customer Billing	\$0	Yes								
5320	Collecting	\$0	Yes								
5325	Collecting- Cash Over and Short	\$0	Yes								
5330	Collection Charges	\$0	Yes								
5335	Bad Debt Expense	\$0	Yes								
5340	Miscellaneous Customer Accounts Expenses	\$0	Yes								
5405	Supervision	\$0	Yes								
5410	Community Relations - Sundry	\$0	Yes								
5415	Energy Conservation	\$0	Yes								
5420	Community Safety Program	\$0	Yes								
5425	Miscellaneous Customer Service and Informational Expenses	\$0	Yes								
5505	Supervision	\$0	Yes								
5510	Demonstrating and Selling Expense	\$0	Yes								
5515	Advertising Expense	\$0	Yes								
5520	Miscellaneous Sales Expense	\$0	Yes								
5605	Executive Salaries and Expenses	\$0	Yes								
5610	Management Salaries and Expenses	\$0	Yes								
5615	General Administrative Salaries and Expenses	\$0	Yes								
5620	Office Supplies and Expenses	\$0	Yes								
5625	Administrative Expense Transferred Credit	\$0	Yes								
5630	Outside Services Employed	\$0	Yes								
5635	Property Insurance	\$0	Yes								
5640	Injuries and Damages	\$0	Yes								
5645	Employee Pensions and Benefits	\$0	Yes								
5650	Franchise Requirements	\$0	Yes								
5655	Regulatory Expenses	\$0	Yes								
5660	General Advertising Expenses	\$0	Yes								



## Demand Related

[illegible]

[illegible]

[illegible]

USOA Account #	Accounts	Residential	GS <50	GS>50 - 50-4,999 KW Regular	GS>50 - 3,000- 4,999 KW Intermediate	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Embedded Distributor	Back-up/Standby Power	Large Use - Ford Annex	Rate class 2	Rate class 3	Rate class 4	Rate class 5	Rate class 6	Rate class 7	Rate class 8	Rate class 9
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# 2019 Cost Allocation Model

**EB-2019-0032**
**Sheet 01 Revenue to Cost Summary Worksheet -**

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

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base		1	2	3	5	6	7	8	9
Assets	Total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
<b>crev</b>	Distribution Revenue at Existing Rates	\$50,936,794	\$25,523,539	\$5,739,507	\$13,894,407	\$2,312,546	\$1,536,084	\$1,758,951	\$94,653
<b>mi</b>	Miscellaneous Revenue (mi)	\$4,007,915	\$2,255,570	\$346,870	\$653,850	\$512,882	\$109,970	\$115,905	\$7,174
	<b>Miscellaneous Revenue Input equals Output</b>								
	<b>Total Revenue at Existing Rates</b>	<b>\$54,944,708</b>	<b>\$27,779,109</b>	<b>\$6,086,378</b>	<b>\$14,548,257</b>	<b>\$2,825,428</b>	<b>\$1,646,054</b>	<b>\$1,874,856</b>	<b>\$101,827</b>
	Factor required to recover deficiency (1 + D)	1.0648							
	Distribution Revenue at Status Quo Rates	\$54,238,254	\$27,177,843	\$6,111,512	\$14,794,970	\$2,462,433	\$1,635,645	\$1,872,958	\$100,788
	Miscellaneous Revenue (mi)	\$4,007,915	\$2,255,570	\$346,870	\$653,850	\$512,882	\$109,970	\$115,905	\$7,174
	<b>Total Revenue at Status Quo Rates</b>	<b>\$58,246,168</b>	<b>\$29,433,413</b>	<b>\$6,458,383</b>	<b>\$15,448,820</b>	<b>\$2,975,315</b>	<b>\$1,745,615</b>	<b>\$1,988,862</b>	<b>\$107,962</b>
<b>di</b>	<b>Expenses</b>								
<b>cu</b>	Distribution Costs (di)	\$9,625,790	\$5,119,002	\$1,054,165	\$2,500,190	\$48	\$466,386	\$438,747	\$27,649
<b>ad</b>	Customer Related Costs (cu)	\$3,740,880	\$3,019,789	\$334,025	\$356,850	\$10,776	\$7,906	\$7,695	\$2,200
<b>dep</b>	General and Administration (ad)	\$15,722,756	\$9,049,310	\$1,556,306	\$3,256,724	\$769,907	\$540,964	\$492,074	\$24,485
<b>INT</b>	Depreciation and Amortization (dep)	\$10,833,101	\$5,559,696	\$1,167,618	\$3,076,960	\$315,018	\$481,011	\$193,296	\$16,340
	PILs (INPUT)	\$1,965,399	\$979,738	\$198,484	\$542,691	\$104,394	\$90,860	\$41,559	\$3,178
	Interest	\$5,696,695	\$2,840,761	\$575,505	\$1,573,539	\$302,691	\$263,449	\$120,502	\$9,213
	<b>Total Expenses</b>	<b>\$47,586,622</b>	<b>\$26,568,296</b>	<b>\$4,886,103</b>	<b>\$11,306,953</b>	<b>\$1,502,834</b>	<b>\$1,850,576</b>	<b>\$1,293,873</b>	<b>\$102,967</b>
<b>NI</b>	<b>Direct Allocation</b>	<b>\$2,220,517</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,220,517</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	Allocated Net Income (NI)	\$8,439,030	\$4,206,800	\$852,249	\$2,330,207	\$448,246	\$390,134	\$178,447	\$13,303
	<b>Revenue Requirement (includes NI)</b>	<b>\$58,246,168</b>	<b>\$30,775,096</b>	<b>\$5,738,352</b>	<b>\$13,637,160</b>	<b>\$4,171,597</b>	<b>\$2,240,710</b>	<b>\$1,472,321</b>	<b>\$122,270</b>
	<b>Revenue Requirement Input equals Output</b>								
<b>dp</b>	<b>Rate Base Calculation</b>								
<b>gdp</b>	<b>Net Assets</b>								
<b>accum dep</b>	Distribution Plant - Gross	\$271,445,748	\$143,045,968	\$29,253,837	\$78,904,462	\$216,879	\$12,976,893	\$5,943,241	\$647,305
<b>co</b>	General Plant - Gross	\$77,941,556	\$37,777,325	\$7,642,961	\$20,681,140	\$6,362,320	\$3,463,842	\$1,712,109	\$176,805
	Accumulated Depreciation	(\$101,762,075)	(\$51,471,832)	(\$10,731,958)	(\$28,780,886)	(\$4,047,461)	(\$4,563,125)	(\$1,795,226)	(\$218,060)
	Capital Contribution	(\$31,502,832)	(\$16,863,832)	(\$3,380,050)	(\$8,588,748)	(\$11,103)	(\$1,460,621)	(\$1,046,991)	(\$62,904)
	<b>Total Net Plant</b>	<b>\$216,122,397</b>	<b>\$112,487,629</b>	<b>\$22,784,789</b>	<b>\$62,215,969</b>	<b>\$2,520,634</b>	<b>\$10,416,989</b>	<b>\$4,813,133</b>	<b>\$517,469</b>
<b>COP</b>	<b>Directly Allocated Net Fixed Assets</b>	<b>\$10,350,760</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,350,760</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	Cost of Power (COP)	\$256,908,815	\$70,867,064	\$24,772,169	\$113,966,213	\$22,173,673	\$23,943,682	\$811,954	\$281,051
	OM&A Expenses	\$29,089,426	\$17,188,101	\$2,944,496	\$6,113,764	\$780,731	\$1,015,256	\$938,517	\$62,274
	Directly Allocated Expenses	\$659,695	\$0	\$0	\$0	\$659,695	\$0	\$0	\$0
	<b>Subtotal</b>	<b>\$286,657,936</b>	<b>\$88,055,165</b>	<b>\$27,716,665</b>	<b>\$120,079,977</b>	<b>\$23,614,099</b>	<b>\$24,958,938</b>	<b>\$1,750,471</b>	<b>\$343,325</b>
	<b>Working Capital</b>	<b>\$21,499,345</b>	<b>\$6,604,137</b>	<b>\$2,078,750</b>	<b>\$9,005,998</b>	<b>\$1,771,057</b>	<b>\$1,871,920</b>	<b>\$131,285</b>	<b>\$25,749</b>
	<b>Total Rate Base</b>	<b>\$247,972,503</b>	<b>\$119,091,766</b>	<b>\$24,863,539</b>	<b>\$71,221,967</b>	<b>\$14,642,451</b>	<b>\$12,288,909</b>	<b>\$4,944,418</b>	<b>\$543,218</b>
	<b>Rate Base Input equals Output</b>								
	Equity Component of Rate Base	\$99,189,001	\$47,636,706	\$9,945,416	\$28,488,787	\$5,856,981	\$4,915,564	\$1,977,767	\$217,287
	Net Income on Allocated Assets	\$8,439,030	\$2,865,117	\$1,572,280	\$4,141,867	(\$748,036)	(\$104,961)	\$694,989	\$4,995
	Net Income on Direct Allocation Assets	\$468,142	\$0	\$0	\$0	\$468,142	\$0	\$0	\$0
	<b>Net Income</b>	<b>\$8,907,172</b>	<b>\$2,865,117</b>	<b>\$1,572,280</b>	<b>\$4,141,867</b>	<b>(\$279,893)</b>	<b>(\$104,961)</b>	<b>\$694,989</b>	<b>\$4,995</b>
	<b>RATIOS ANALYSIS</b>								
	REVENUE TO EXPENSES STATUS QUO%	100.00%	95.64%	112.55%	113.28%	71.32%	77.90%	135.08%	88.30%
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$3,301,460)	(\$2,995,986)	\$348,026	\$911,096	(\$1,346,169)	(\$594,657)	\$402,535	(\$20,443)
	<b>Deficiency Input equals Output</b>								
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	(\$0)	(\$1,341,682)	\$720,031	\$1,811,660	(\$1,196,282)	(\$495,096)	\$516,542	(\$14,308)
	RETURN ON EQUITY COMPONENT OF RATE BASE	8.98%	6.01%	15.81%	14.54%	-4.78%	-2.14%	35.14%	2.30%



Ontario Energy Board

# 2019 Cost Allocation Model

**EB-2019-0032**

## **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	5	6	7	8	9
Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
\$3.31	\$6.44	\$45.93	\$881.86	\$122.04	\$0.03	\$0.27	\$0.17
\$6.26	\$10.94	\$73.87	\$1,358.99	\$253.56	\$0.06	\$0.63	\$0.38
\$18.38	\$27.41	\$95.43	\$1,365.77	\$258.55	\$5.23	\$14.37	\$14.05
\$26.49	\$27.10	\$107.61	\$28,867.71	\$8,151.90	\$6.06	\$12.55	\$10.94

## 2019 Cost Allocation Model

## Sheet 02.1 Line Transformer Worksheet -

**Line Transformers Demand Unit Cost for PLCC**  
**Adjustment to Customer Related Cost**  
**Allocation by rate classification**

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Description	Total	Residential	GS <50	GS-50 - 50-4,999 KW Regular	GS-50 - 3,000-4,999 KW Intermediate	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Embedded Distributor	Back-up/Standby Power	Large Use - Ford Annex	Rate class 2	Rate class 3	Rate class 4	Rate class 5	Rate class 6	Rate class 7	Rate class 8	Rate class 9
Deprecation on Acct 1850 Line Transformers	\$914,363	\$354,362	\$111,540	\$444,594	\$0	\$0	\$0	\$3,868	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Deprecation on General Plant Assigned to Line Transformers	\$425,632	\$165,875	\$52,141	\$205,682	\$0	\$0	\$0	\$1,934	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5035 - Overhead Distribution Transformers- Operation	\$41,508	\$16,087	\$5,063	\$20,183	\$0	\$0	\$0	\$176	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5055 - Underground Distribution Transformers - Operation	\$169,799	\$65,806	\$20,713	\$82,562	\$0	\$0	\$0	\$718	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5160 - Maintenance of Line Transformers	\$34,392	\$13,329	\$4,195	\$16,723	\$0	\$0	\$0	\$145	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Allocation of General Expenses	\$452,061	\$175,197	\$55,145	\$219,807	\$0	\$0	\$0	\$1,912	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Admin and General Assigned to Line Transformers	\$276,801	\$105,874	\$33,602	\$136,180	\$0	\$0	\$0	\$1,145	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PILs on Line Transformers	\$234,433	\$90,855	\$28,598	\$113,989	\$0	\$0	\$0	\$992	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Return on Line Transformers	\$679,740	\$263,434	\$82,919	\$330,512	\$0	\$0	\$0	\$2,875	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equity Return on Line Transformers	\$1,006,606	\$390,111	\$122,792	\$489,445	\$0	\$0	\$0	\$4,258	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$4,235,336	\$1,640,928	\$516,709	\$2,059,676	\$0	\$0	\$0	\$18,023	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Line Tranformer NCP	1,188,871	452,997	142,586	568,344	0	0	0	4,944	0	0	0	0	0	0	0	0	0	0	0	0	0
PLCC Amount	1,144,951	428,469	141,410	568,072	0	0	0	1,402	729	1,062	0	0	0	0	0	0	0	0	0	0	0
Adjustment to Customer Related Cost for PLCC	\$518,634	\$465,363	\$41,346	\$6,813	\$0	\$0	\$0	\$5,111	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Gross Assets	\$77,941,556	\$37,777,325	\$7,642,961	\$20,681,140	\$0	\$6,362,320	\$3,463,842	\$1,712,109	\$125,054	\$176,805	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Accumulated Depreciation	(\$48,408,505)	(\$23,463,014)	(\$4,746,945)	(\$12,844,792)	\$0	(\$3,951,556)	(\$2,151,348)	(\$1,063,369)	(\$77,669)	(\$109,812)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Net Fixed Assets	\$29,533,051	\$14,314,311	\$2,896,015	\$7,836,348	\$0	\$2,410,764	\$1,312,494	\$648,740	\$47,385	\$66,994	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Depreciation	\$3,690,466	\$1,788,724	\$361,888	\$979,234	\$0	\$301,250	\$164,010	\$81,067	\$5,921	\$8,372	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Net Fixed Assets Excluding General Plant	\$196,940,106	\$98,173,318	\$19,888,774	\$54,379,621	\$0	\$10,460,630	\$9,104,495	\$4,164,393	\$318,402	\$450,475	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Administration and General Expense	\$15,722,756	\$9,049,310	\$1,556,306	\$3,256,724	\$0	\$769,907	\$540,964	\$492,074	\$24,485	\$32,985	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total O&M	\$14,026,365	\$8,138,791	\$1,388,190	\$2,857,040	\$0	\$670,519	\$474,292	\$21,803	\$29,289	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Line Transformer Rate Base																					
Acct 1850 - Line Transformers - Gross Assets	\$35,182,642	\$13,635,062	\$4,291,807	\$17,106,957	\$0	\$0	\$0	\$148,816	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Line Transformers - Accumulated Depreciation	(\$11,691,650)	(\$4,531,109)	(\$1,426,223)	(\$5,684,864)	\$0	\$0	\$0	(\$49,454)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Line Transformers - Net Fixed Assets	\$23,490,992	\$9,103,953	\$2,865,583	\$11,422,092	\$0	\$0	\$0	\$99,363	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant Assigned to Line Transformers - NFA	\$3,406,125	\$1,327,416	\$417,259	\$1,645,375	\$0	\$0	\$0	\$15,479	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Line Transformer Net Fixed Assets including General Plant	\$26,897,121	\$10,431,369	\$3,282,843	\$13,068,067	\$0	\$0	\$0	\$114,842	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Expenses																					
Acct 5005 - Operation Supervision and Engineering	\$1,769,294	\$653,293	\$198,380	\$775,065	\$0	\$0	\$137,123	\$5,377	\$8	\$48	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5010 - Load Dispatching	\$337,955	\$124,786	\$37,893	\$148,046	\$0	\$0	\$26,192	\$1,027	\$2	\$9	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5085 - Miscellaneous Distribution Expense	\$34,762	\$12,835	\$3,898	\$15,228	\$0	\$0	\$2,694	\$106	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5105 - Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,142,011	\$790,914	\$240,171	\$938,339	\$0	\$0	\$166,009	\$6,510	\$10	\$58	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1850 - Line Transformers - Gross Assets	\$35,182,642	\$13,635,062	\$4,291,807	\$17,106,957	\$0	\$0	\$0	\$148,816	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1815 - 1855	\$166,706,732	\$61,554,659	\$18,691,811	\$73,028,338	\$0	\$0	\$12,919,987	\$506,676	\$774	\$4,488	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Primary Conductors and Poles Cost Pool Demand Unit Cost for PLCC Adjustment to Customer Related Cost**

**Allocation by Rate Classification**

### Allocation by Rate Classification

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Description	Total	Residential	GS <50	GS<50 - 50-4,999 KW Regular	GS<50 - 3,000-4,999 KW Intermediate	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Embedded Distributor	Back-up/Standby Power	Large Use - Ford Annex	Rate class 2	Rate class 3	Rate class 4	Rate class 5	Rate class 6	Rate class 7	Rate class 8	Rate class 9
Depreciation on Acct 1830-4 Primary Poles, Towers & Fixtures	\$1,158,360	\$377,448	\$118,807	\$513,458	\$0	\$0	\$144,528	\$4,120	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Acct 1835-4 Primary Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Acct 1840-4 Primary Underground Conduit	\$1,163,672	\$379,179	\$119,351	\$515,812	\$0	\$0	\$145,190	\$4,138	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on General Plant Assigned to Primary C&P	\$1,248,810	\$409,575	\$128,745	\$550,657	\$0	\$0	\$155,057	\$4,776	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Primary C&P Operations and Maintenance	\$2,495,578	\$832,460	\$260,417	\$1,099,609	\$0	\$0	\$294,692	\$8,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Allocation of General Expenses	\$1,253,465	\$408,438	\$128,561	\$555,614	\$0	\$0	\$155,394	\$4,458	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Admin and General Assigned to Primary C&P	\$2,816,360	\$925,591	\$291,955	\$1,253,438	\$0	\$0	\$336,117	\$9,258	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PILs on Primary C&P	\$688,471	\$224,336	\$70,613	\$305,174	\$0	\$0	\$85,900	\$2,448	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Return on Primary C&P	\$1,996,229	\$650,466	\$204,742	\$884,854	\$0	\$0	\$249,068	\$7,099	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equity Return on Primary C&P	\$2,956,157	\$963,256	\$303,197	\$1,310,354	\$0	\$0	\$368,837	\$10,513	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$15,777,102	\$5,170,749	\$1,626,389	\$6,988,970	\$0	\$0	\$1,935,783	\$55,211	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Primary NCP	1,390,213	452,997	142,586	616,229	0	0	173,456	4,944	0	0	0	0	0	0	0	0	0	0	0	0	0
PLCC Amount	145,119	128,469	11,410	2,038	0	0	10	1,402	729	1,062	0	0	0	0	0	0	0	0	0	0	0
Adjustment to Customer Related Cost for PLCC	\$1,635,437	\$1,466,412	\$130,142	\$23,119	\$0	\$0	\$107	\$15,658	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Gross Assets	\$77,941,556	\$37,777,325	\$7,642,961	\$20,681,140	\$0	\$6,362,320	\$3,463,842	\$1,712,109	\$125,054	\$176,805	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Accumulated Depreciation	(\$48,408,505)	(\$23,463,014)	(\$4,746,945)	(\$12,844,792)	\$0	(\$3,951,556)	(\$2,151,348)	(\$1,063,369)	(\$77,669)	(\$109,812)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Net Fixed Assets	\$29,533,051	\$14,314,311	\$2,896,015	\$7,836,348	\$0	\$2,410,764	\$1,312,494	\$648,740	\$47,385	\$66,994	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Depreciation	\$3,690,466	\$1,788,724	\$361,888	\$979,231	\$0	\$301,250	\$164,010	\$81,067	\$5,921	\$8,372	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Net Fixed Assets Excluding General Plant	\$196,940,106	\$98,173,318	\$19,888,774	\$54,379,624	\$0	\$10,460,630	\$9,104,495	\$4,164,393	\$318,402	\$450,475	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Administration and General Expense	\$15,722,756	\$9,049,310	\$1,556,306	\$3,256,724	\$0	\$769,907	\$540,964	\$492,074	\$24,485	\$32,985	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total O&M	\$14,026,365	\$8,138,791	\$1,388,190	\$2,857,040	\$0	\$670,519	\$474,292	\$446,442	\$21,803	\$29,289	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Primary Conductors and Poles Gross Assets																					
Acct 1830-4 Primary Poles, Towers & Fixtures	\$51,801,230	\$16,879,286	\$5,312,967	\$22,961,553	\$0	\$0	\$6,463,199	\$184,224	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-4 Primary Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-4 Primary Underground Conduit	\$45,752,433	\$14,908,302	\$4,692,575	\$20,280,347	\$0	\$0	\$5,708,496	\$162,712	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$97,553,662	\$31,787,588	\$10,005,542	\$43,241,901	\$0	\$0	\$12,171,695	\$346,937	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Primary Conductors and Poles Accumulated Depreciation																					
Acct 1830-4 Primary Poles, Towers & Fixtures	(\$12,129,703)	(\$3,952,430)	(\$1,244,077)	(\$5,376,645)	\$0	\$0	(\$1,513,414)	(\$43,138)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-4 Primary Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-4 Primary Underground Conduit	(\$16,436,651)	(\$5,355,837)	(\$1,685,817)	(\$7,285,754)	\$0	\$0	(\$2,050,788)	(\$58,455)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	(\$28,566,354)	(\$9,308,267)	(\$2,929,894)	(\$12,662,399)	\$0	\$0	(\$3,564,202)	(\$101,592)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Primary Conductor & Pools - Net Fixed Assets	\$68,987,309	\$22,479,322	\$7,075,648	\$30,579,501	\$0	\$0	\$8,607,493	\$245,344	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant Assigned to Primary C&P	\$9,993,632	\$3,277,632	\$1,030,289	\$4,406,644	\$0	\$0	\$1,240,847	\$38,220	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Primary C&P Net Fixed Assets Including General Plant	\$78,980,940	\$25,756,953	\$8,105,937	\$34,986,145	\$0	\$0	\$9,848,340	\$283,565	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1830-3 Bulk Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-3 Bulk Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-3 Bulk Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-3 Bulk Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1830-5 Secondary Poles, Towers & Fixtures	\$24,265,187	\$12,120,336	\$3,389,398	\$8,755,453	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-5 Secondary Overhead Conductors	\$2,253,289	\$1,125,506	\$314,743	\$813,040	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-5 Secondary Underground Conductors	\$37,142	\$18,552	\$5,188	\$13,402	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$26,555,619	\$13,264,394	\$3,709,329	\$9,581,895	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance																					
Acct 5020 Overhead Distribution Lines & Feeders - Labour	\$1,180,824	\$454,196	\$135,951	\$490,454	\$0	\$0	\$97,445	\$2,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5025 Overhead Distribution Lines & Feeders - Other	\$477,218	\$183,559	\$54,943	\$198,212	\$0	\$0	\$39,382	\$1,123	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5040 Underground Distribution Lines & Feeders - Labour	\$495,254	\$161,447	\$50,810	\$210,495	\$0	\$0	\$61,742	\$1,760	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5045 Underground Distribution Lines & Feeders - Other	\$264,210	\$86,129	\$27,106	\$117,097	\$0	\$0	\$32,938	\$939	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5090 Underground Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5095 Overhead Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5120 Maintenance of Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5125 Maintenance of Overhead Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5135 Overhead Distribution Lines & Feeders - Right of Way	\$765,648	\$294,501	\$88,151	\$318,011	\$0	\$0	\$63,184	\$1,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5145 Maintenance of Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5150 Maintenance of Underground Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

[illegible]

**Secondary Conductors and Poles Cost Pool Demand Unit Cost for PLCC Adjustment to Customer Related Cost**

**Allocation by Rate Classification**

Description	2023																			
	Total	1 Residential	2 GS <50	3 GS<50 - 50-4,999 KW Regular	4 GS<50 - 3,000- 4,999 KW Intermediate	5 Large Use - 3TS	6 Large Use - Regular	7 Street Light	8 Sentinel	9 Unmetered Scattered Load	10 Embedded Distributor	11 Back- up/Standby Power	12 Large Use - Ford Annex	13 Rate class 2	14 Rate class 3	15 Rate class 4	16 Rate class 5	17 Rate class 6	18 Rate class 7	19 Rate class 8
Depreciation on Act 1830-5 Secondary Poles, Towers & Fixtures	\$542,600	\$271,031	\$75,792	\$195,786	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Act 1830-5 Secondary Overhead Conductors	\$45,033	\$1,457	\$25,525	\$11,457	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Act 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Act 1840-5 Secondary Underground Conductors	\$742	\$421	\$85	\$189	\$0	\$0	\$0	\$45	\$1	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on General Plant Assigned to Secondary C&P	\$364,253	\$182,747	\$51,036	\$130,471	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Secondary C&P Operations and Maintenance	\$987,575	\$347,371	\$98,544	\$243,660	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Allocation of General Expenses	\$341,213	\$170,434	\$47,661	\$123,118	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Admin and General Assigned to Primary C&P	\$772,216	\$386,233	\$108,236	\$277,747	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PLS on Secondary C&P	\$200,394	\$100,096	\$27,991	\$72,307	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Return on Secondary C&P	\$581,045	\$290,229	\$81,161	\$209,655	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equity Return on Secondary C&P	\$860,453	\$429,792	\$120,189	\$310,472	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$4,395,534	\$2,203,878	\$613,871	\$1,574,861	\$0	\$0	\$0	\$2,767	\$65	\$91	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Secondary NCP	\$86,093	\$42,599	\$12,771	\$31,923	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLCC Amount	\$45,110	\$28,459	\$11,410	\$1,402	0	0	0	7,729	1,062	0	0	0	0	0	0	0	0	0	0	0
Adjustment to Customer Related Cost for PLCC	\$706,327	\$639,698	\$56,589	\$10,041	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Gross Assets	\$77,941,556	\$37,777,325	\$7,642,961	\$20,681,140	\$0	\$6,362,320	\$3,463,842	\$1,712,109	\$125,054	\$176,805	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Accumulated Depreciation	(\$40,951,505)	(\$24,463,014)	(\$3,746,945)	(\$12,847,782)	\$0	(\$3,951,340)	(\$1,863,398)	(\$77,668,008)	(\$10,811,340)	(\$17,668,008)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Net Fixed Assets	\$29,933,051	\$14,314,311	\$2,896,015	\$7,836,348	\$0	\$2,410,764	\$1,312,494	\$648,740	\$47,385	\$66,994	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant - Depreciation	\$3,690,466	\$1,788,724	\$361,888	\$979,234	\$0	\$301,250	\$164,010	\$81,067	\$5,921	\$8,372	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Net Fixed Assets Excluding General Plant	\$196,940,106	\$98,173,318	\$19,888,774	\$54,379,621	\$0	\$10,460,630	\$9,104,495	\$4,164,393	\$318,402	\$450,475	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Administration and General Expense	\$15,722,756	\$9,049,310	\$1,556,306	\$3,256,724	\$0	\$769,907	\$540,964	\$492,074	\$24,485	\$32,985	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total O&M	\$14,026,365	\$8,138,791	\$1,388,190	\$2,857,040	\$0	\$670,519	\$474,292	\$446,442	\$21,803	\$29,289	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Secondary Conductors and Poles Gross Plant																				
Acct 1830-5 Secondary Poles, Towers & Fixtures	\$24,265,187	\$12,120,336	\$3,389,398	\$8,755,453	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-5 Secondary Overhead Conductors	\$2,253,289	\$1,125,506	\$314,743	\$813,040	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-5 Secondary Underground Conductors	\$37,142	\$18,552	\$5,189	\$13,402	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$26,555,619	\$13,264,394	\$3,709,329	\$9,581,895	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Secondary Conductors and Poles Accumulated Depreciation																				
Acct 1830-5 Secondary Poles, Towers & Fixtures	(\$5,681,902)	(\$2,838,081)	(\$793,657)	(\$2,050,165)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-5 Secondary Overhead Conductors	(\$780,612)	(\$389,912)	(\$100,037)	(\$281,663)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-5 Secondary Underground Conductors	(\$12,867)	(\$6,427)	(\$1,797)	(\$4,643)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	(\$6,475,382)	(\$3,234,420)	(\$904,491)	(\$2,336,471)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Secondary Conductor & Pools - Net Fixed Assets	\$20,080,237	\$10,029,975	\$2,804,838	\$7,245,424	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Plant Assigned to Secondary C&P - NFA	\$2,914,948	\$1,462,436	\$408,414	\$1,044,098	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Secondary C&P Net Fixed Assets Including General Plant	\$22,995,185	\$11,492,411	\$3,213,252	\$8,289,522	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1830-3 Bulk Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-3 Bulk Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-3 Bulk Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-3 Bulk Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1830-4 Primary Poles, Towers & Fixtures	\$51,801,230	\$16,879,286	\$5,312,967	\$22,961,553	\$0	\$0	\$6,463,199	\$184,224	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-4 Primary Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-4 Primary Underground Conduit	\$45,752,433	\$14,908,302	\$4,692,575	\$20,280,347	\$0	\$0	\$5,708,496	\$162,712	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$97,553,662	\$31,787,588	\$10,005,542	\$43,241,901	\$0	\$0	\$12,171,695	\$346,937	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operations and Maintenance																				
Acct 5020 Overhead Distribution Lines & Feeders - Labour	\$1,180,824	\$454,196	\$135,951	\$490,454	\$0	\$0	\$97,445	\$2,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5025 Overhead Distribution Lines & Feeders - Other	\$477,218	\$183,559	\$56,943	\$198,213	\$0	\$0	\$39,382	\$1,123	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5040 Underground Distribution Lines & Feeders - Labour	\$495,254	\$204,810	\$61,747	\$266,495	\$0	\$0	\$81,747	\$2,495	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5045 Underground Distribution Lines & Feeders - Other	\$264,210	\$86,129	\$27,106	\$117,097	\$0	\$0	\$32,938	\$939	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5090 Underground Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5095 Overhead Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5120 Maintenance of Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5125 Maintenance of Overhead Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5135 Overhead Distribution Lines & Feeders - Right of Way	\$765,648	\$294,501	\$88,151	\$318,011	\$0	\$0	\$63,181	\$1,801	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5145 Maintenance of Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5150 Maintenance of Underground Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,183,153	\$1,179,831	\$356,961	\$1,343,269	\$0	\$0	\$294,692	\$8,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Expenses																				
Acct 5005 - Operation Supervision and Engineering	\$1,769,294	\$653,293	\$198,380	\$775,065	\$0	\$0	\$137,123	\$5,377	\$8	\$48	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5010 - Load Dispatching	\$337,955	\$124,786	\$37,893	\$148,046	\$0	\$0	\$26,192	\$1,027	\$2	\$9	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5085 - Miscellaneous Distribution Expense	\$34,762	\$12,835	\$3,896	\$15,228	\$0	\$0	\$2,694	\$106	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5105 - Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,142,011	\$790,914	\$240,171	\$938,339	\$0	\$0	\$166,009	\$6,510	\$10	\$58	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

[illegible]



# 2019 Cost Allocation Model

EB-2019-0032

## Sheet O3.1 Line Transformers Unit Cost Worksheet -

### ALLOCATION BY RATE CLASSIFICATION

Description	Total	1	2	3	5	6	7	8	9
		Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
Depreciation on Acct 1850 Line Transformers	\$1,406,713	\$790,179	\$150,246	\$450,971	\$0	\$0	\$8,624	\$2,779	\$3,913
Depreciation on General Plant Assigned to Line Transformers	\$656,254	\$369,878	\$70,235	\$208,632	\$0	\$0	\$4,313	\$1,328	\$1,868
Acct 5035 - Overhead Distribution Transformers- Operation	\$63,859	\$35,871	\$6,821	\$20,472	\$0	\$0	\$392	\$126	\$178
Acct 5055 - Underground Distribution Transformers - Operation	\$261,230	\$146,738	\$27,901	\$83,746	\$0	\$0	\$1,602	\$516	\$727
Acct 5160 - Maintenance of Line Transformers	\$52,911	\$29,721	\$5,651	\$16,963	\$0	\$0	\$324	\$105	\$147
Allocation of General Expenses	\$653,256	\$354,111	\$70,561	\$222,266	\$0	\$0	\$3,583	\$1,135	\$1,600
Admin and General Assigned to Line Transformers	\$424,057	\$236,084	\$45,262	\$138,134	\$0	\$0	\$2,554	\$839	\$1,184
PILs on Line Transformers	\$360,666	\$202,593	\$38,521	\$115,624	\$0	\$0	\$2,211	\$713	\$1,003
Debt Return on Line Transformers	\$1,045,753	\$587,421	\$111,693	\$335,253	\$0	\$0	\$6,411	\$2,066	\$2,909
Equity Return on Line Transformers	\$1,548,625	\$869,894	\$165,403	\$496,466	\$0	\$0	\$9,494	\$3,059	\$4,308
<b>Total</b>	<b>\$6,473,324</b>	<b>\$3,622,491</b>	<b>\$692,294</b>	<b>\$2,088,527</b>	<b>\$0</b>	<b>\$0</b>	<b>\$39,509</b>	<b>\$12,665</b>	<b>\$17,838</b>
 Billed kW without Line Transformer Allowance		0	0	1,757,285	65,368	0	18,431	2,038	0
Billed kWh without Line Transformer Allowance		555,916,913	195,457,487	910,869,945	277,391,364	281,863,540	6,419,124	735,308	2,221,924
 Line Transformation Unit Cost (\$/kW)		\$0.0000	\$0.0000	\$1.1885	\$0.0000	\$0.0000	\$2.1435	\$6.2143	\$0.0000
Line Transformation Unit Cost (\$/kWh)		\$0.0065	\$0.0035	\$0.0023	\$0.0000	\$0.0000	\$0.0062	\$0.0172	\$0.0080
 General Plant - Gross Assets	\$77,941,556	\$37,777,325	\$7,642,961	\$20,681,140	\$6,362,320	\$3,463,842	\$1,712,109	\$125,054	\$176,805
General Plant - Accumulated Depreciation	(\$48,408,505)	(\$23,463,014)	(\$4,746,945)	(\$12,844,792)	(\$3,951,556)	(\$2,151,348)	(\$1,063,369)	(\$77,669)	(\$109,812)
General Plant - Net Fixed Assets	\$29,533,051	\$14,314,311	\$2,896,015	\$7,836,348	\$2,410,764	\$1,312,494	\$648,740	\$47,385	\$66,994
 General Plant - Depreciation	\$3,690,466	\$1,788,724	\$361,888	\$979,234	\$301,250	\$164,010	\$81,067	\$5,921	\$8,372
<b>Total Net Fixed Assets Excluding General Plant</b>	<b>\$196,940,106</b>	<b>\$98,173,318</b>	<b>\$19,888,774</b>	<b>\$54,379,621</b>	<b>\$10,460,630</b>	<b>\$9,104,495</b>	<b>\$4,164,393</b>	<b>\$318,402</b>	<b>\$450,475</b>
 Total Administration and General Expense	\$15,722,756	\$9,049,310	\$1,556,306	\$3,256,724	\$769,907	\$540,964	\$492,074	\$24,485	\$32,985
 Total O&M	\$14,026,365	\$8,138,791	\$1,388,190	\$2,857,040	\$670,519	\$474,292	\$446,442	\$21,803	\$29,289



<u>Line Transformer Rate Base</u>									
Acct 1850 - Line Transformers - Gross Assets	\$54,127,141	\$30,404,311	\$5,781,121	\$17,352,356	\$0	\$0	\$331,839	\$106,932	\$150,581
Line Transformers - Accumulated Depreciation	(\$17,987,154)	(\$10,103,749)	(\$1,921,142)	(\$5,766,414)	\$0	\$0	(\$110,275)	(\$35,535)	(\$50,040)
Line Transformers - Net Fixed Assets	\$36,139,988	\$20,300,563	\$3,859,979	\$11,585,943	\$0	\$0	\$221,565	\$71,397	\$100,541
General Plant Assigned to Line Transformers - NFA	\$5,251,688	\$2,959,955	\$562,054	\$1,669,586	\$0	\$0	\$34,516	\$10,625	\$14,952
Line Transformer Net Fixed Assets Including General Plant	\$41,391,676	\$23,260,518	\$4,422,033	\$13,255,529	\$0	\$0	\$256,081	\$82,022	\$115,494
<u>General Expenses</u>									
Acct 5005 - Operation Supervision and Engineering	\$2,527,563	\$1,276,722	\$264,301	\$786,692	\$12	\$137,147	\$53,006	\$4,006	\$5,678
Acct 5010 - Load Dispatching	\$482,793	\$243,868	\$50,484	\$150,267	\$2	\$26,197	\$10,125	\$765	\$1,085
Acct 5085 - Miscellaneous Distribution Expense	\$49,660	\$25,084	\$5,193	\$15,456	\$0	\$2,695	\$1,041	\$79	\$112
Acct 5105 - Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,060,016	\$1,545,674	\$319,978	\$952,415	\$15	\$166,038	\$64,172	\$4,850	\$6,874
Acct 1850 - Line Transformers - Gross Assets	\$54,127,141	\$30,404,311	\$5,781,121	\$17,352,356	\$0	\$0	\$331,839	\$106,932	\$150,581
Acct 1815 - 1855	\$253,255,609	\$132,712,859	\$26,216,007	\$74,355,354	\$1,381	\$12,922,749	\$5,942,987	\$457,134	\$647,137

 Ontario Energy Board

# 2019 Cost Allocation Model

### ALLOCATION BY RATE CLASSIFICATION

[illegible]

Acct 1805-2 Land Station <50 kV	\$43,534	\$17,330	\$3,940	\$17,980	\$0	\$4,200	\$47	\$5	\$31
Acct 1806-2 Land Rights Station <50 kV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1808-2 Buildings and Fixtures < 50 KV	\$190,388	\$75,789	\$17,232	\$78,632	\$0	\$18,368	\$207	\$24	\$137
Acct 1810-2 Leasehold Improvements <50 kV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$233,923</b>	<b>\$93,119</b>	<b>\$21,172</b>	<b>\$96,612</b>	<b>\$0</b>	<b>\$22,569</b>	<b>\$254</b>	<b>\$29</b>	<b>\$168</b>
Substation Transformers - Accumulated Depreciation									
Acct 1820-2 Distribution Station Equipment	(\$310,406)	(\$101,145)	(\$31,837)	(\$137,591)	\$0	(\$38,729)	(\$1,104)	\$0	\$0
Acct 1825-2 Storage Battery Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1805-2 Land Station <50 kV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1806-2 Land Rights Station <50 kV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1808-2 Buildings and Fixtures < 50 KV	(\$46,122)	(\$18,360)	(\$4,174)	(\$19,049)	\$0	(\$4,450)	(\$50)	(\$6)	(\$33)
Acct 1810-2 Leasehold Improvements <50 kV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>(\$356,527)</b>	<b>(\$119,505)</b>	<b>(\$36,011)</b>	<b>(\$156,640)</b>	<b>\$0</b>	<b>(\$43,179)</b>	<b>(\$1,154)</b>	<b>(\$6)</b>	<b>(\$33)</b>
Substation Transformers - Net Fixed Assets									
General Plant Assigned to SubstationTransformers - NFA	(\$122,605)	(\$26,386)	(\$14,839)	(\$60,028)	\$0	(\$20,610)	(\$900)	\$23	\$135
Substation Transformer NFA Including General Plant	(\$17,746)	(\$3,847)	(\$2,161)	(\$8,650)	\$0	(\$2,971)	(\$140)	\$3	\$20
	(\$140,351)	(\$30,233)	(\$17,000)	(\$68,678)	\$0	(\$23,581)	(\$1,040)	\$27	\$155
<b>General Expenses</b>									
Acct 5005 - Operation Supervision and Engineering	\$2,527,563	\$1,276,722	\$264,301	\$786,692	\$12	\$137,147	\$53,006	\$4,006	\$5,678
Acct 5010 - Load Dispatching	\$482,793	\$243,868	\$50,484	\$150,267	\$2	\$26,197	\$10,125	\$765	\$1,085
Acct 5085 - Miscellaneous Distribution Expense	\$49,660	\$25,084	\$5,193	\$15,456	\$0	\$2,695	\$1,041	\$79	\$112
Acct 5105 - Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$3,060,016</b>	<b>\$1,545,674</b>	<b>\$319,978</b>	<b>\$952,415</b>	<b>\$15</b>	<b>\$166,038</b>	<b>\$64,172</b>	<b>\$4,850</b>	<b>\$6,874</b>
Acct 1820-2 Distribution Station Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1825-2 Storage Battery Equipment	\$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>\$0</b>
Acct 1815 - 1855	\$253,255,609	\$132,712,859	\$26,216,007	\$74,355,354	\$1,381	\$12,922,749	\$5,942,987	\$457,134	\$647,137



Ontario Energy Board

# 2019 Cost Allocation Model

## ALLOCATION BY RATE CLASSIFICATION

[illegible]

Acct 1840-4 Primary Underground Conduit	\$65,360,618	\$32,244,391	\$6,232,232	\$20,555,417	\$648	\$5,709,791	\$351,922	\$110,546	\$155,671
Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$139,362,375	\$68,751,719	\$13,288,408	\$43,828,407	\$1,381	\$12,174,457	\$750,371	\$235,707	\$331,924
Primary Conductors and Poles Accumulated Depreciation									
Acct 1830-4 Primary Poles, Towers & Fixtures	(\$17,328,148)	(\$8,548,505)	(\$1,652,264)	(\$5,449,571)	(\$172)	(\$1,513,757)	(\$93,300)	(\$29,308)	(\$41,271)
Acct 1835-4 Primary Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-4 Primary Underground Conduit	(\$23,480,929)	(\$11,583,860)	(\$2,238,941)	(\$7,384,574)	(\$233)	(\$2,051,254)	(\$126,429)	(\$39,714)	(\$55,925)
Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	(\$40,809,077)	(\$20,132,365)	(\$3,891,206)	(\$12,834,144)	(\$404)	(\$3,565,011)	(\$219,729)	(\$69,021)	(\$97,196)
Primary Conductor & Pools - Net Fixed Assets	\$98,553,298	\$48,619,354	\$9,397,203	\$30,994,262	\$977	\$8,609,447	\$530,642	\$166,686	\$234,727
General Plant Assigned to Primary C&P - NFA	\$14,307,497	\$7,089,019	\$1,368,332	\$4,466,413	\$225	\$1,241,128	\$82,665	\$24,806	\$34,908
Primary C&P Net Fixed Assets Including General Plant	\$112,860,795	\$55,708,374	\$10,765,535	\$35,460,675	\$1,202	\$9,850,575	\$613,307	\$191,492	\$269,636
Acct 1830-3 Bulk Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-3 Bulk Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-3 Bulk Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-3 Bulk Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1830-5 Secondary Poles, Towers & Fixtures	\$34,664,553	\$19,648,598	\$3,983,407	\$8,818,884	\$0	\$0	\$2,095,342	\$49,133	\$69,189
Acct 1835-5 Secondary Overhead Conductors	\$3,218,985	\$1,824,588	\$369,903	\$818,930	\$0	\$0	\$194,576	\$4,563	\$6,425
Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-5 Secondary Underground Conductors	\$53,060	\$30,076	\$6,097	\$13,499	\$0	\$0	\$3,207	\$75	\$106
Subtotal	\$37,936,598	\$21,503,262	\$4,359,407	\$9,651,313	\$0	\$0	\$2,293,125	\$53,771	\$75,720
Operations and Maintenance									
Acct 5020 Overhead Distribution Lines & Feeders - Labour	\$1,686,891	\$874,170	\$172,020	\$496,195	\$11	\$97,468	\$40,532	\$2,697	\$3,797
Acct 5025 Overhead Distribution Lines & Feeders - Other	\$681,740	\$353,287	\$69,520	\$200,532	\$4	\$39,391	\$16,381	\$1,090	\$1,535
Acct 5040 Underground Distribution Lines & Feeders - Labour	\$707,506	\$349,077	\$67,473	\$222,471	\$7	\$61,756	\$3,841	\$1,196	\$1,685
Acct 5045 Underground Distribution Lines & Feeders - Other	\$377,442	\$186,226	\$35,996	\$118,684	\$4	\$32,946	\$2,049	\$638	\$899
Acct 5090 Underground Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5095 Overhead Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5120 Maintenance of Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5125 Maintenance of Overhead Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5135 Overhead Distribution Lines & Feeders - Right of Way	\$1,093,783	\$566,813	\$111,538	\$321,734	\$7	\$63,198	\$26,281	\$1,748	\$2,462
Acct 5145 Maintenance of Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5150 Maintenance of Underground Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$4,547,362	\$2,329,574	\$456,548	\$1,359,616	\$33	\$294,759	\$89,085	\$7,370	\$10,378
General Expenses									
Acct 5005 - Operation Supervision and Engineering	\$2,527,563	\$1,276,722	\$264,301	\$786,692	\$12	\$137,147	\$53,006	\$4,006	\$5,678
Acct 5010 - Load Dispatching	\$482,793	\$243,868	\$50,484	\$150,267	\$2	\$26,197	\$10,125	\$765	\$1,085
Acct 5085 - Miscellaneous Distribution Expense	\$49,660	\$25,084	\$5,193	\$15,456	\$0	\$2,695	\$1,041	\$79	\$112
Acct 5105 - Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,060,016	\$1,545,674	\$319,978	\$952,415	\$15	\$166,038	\$64,172	\$4,850	\$6,874
Primary Conductors and Poles Gross Assets	\$139,362,375	\$68,751,719	\$13,288,408	\$43,828,407	\$1,381	\$12,174,457	\$750,371	\$235,707	\$331,924

Acct 1815 - 1855	\$253,255,609	\$132,712,859	\$26,216,007	\$74,355,354	\$1,381	\$12,922,749	\$5,942,987	\$457,134	\$647,137
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<u>Grouping of Operation and Maintenance</u>		Total		Residential		GS <50		GS>50 - 50-4,999 KW Regular		Large Use - 3TS		Large Use - Regular		Street Light		Sentinel		Unmetered Scattered Load	
1830	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1835	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1840	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1845	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1830 & 1835	\$	3,462,413	\$	1,794,271	\$	353,079	\$	1,018,461	\$	23	\$	200,056	\$	83,194	\$	5,535	\$	7,794	\$
1840 & 1845	\$	1,084,948	\$	535,303	\$	103,469	\$	341,155	\$	11	\$	94,702	\$	5,890	\$	1,835	\$	2,584	\$
<b>Total</b>	<b>\$</b>	<b>4,547,362</b>	<b>\$</b>	<b>2,329,574</b>	<b>\$</b>	<b>456,548</b>	<b>\$</b>	<b>1,359,616</b>	<b>\$</b>	<b>33</b>	<b>\$</b>	<b>294,759</b>	<b>\$</b>	<b>89,085</b>	<b>\$</b>	<b>7,370</b>	<b>\$</b>	<b>10,378</b>	<b>\$</b>

# 2019 Cost Allocation Model

## Sheet 03.4 Secondary Cost Pool Worksheet -

### ALLOCATION BY RATE CLASSIFICATION

Description	Total	1	2	3	5	6	7	8	9
		Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
Depreciation on Acct 1830-5 Secondary Poles, Towers & Fixtures	\$775,156	\$439,375	\$89,075	\$197,205	\$0	\$0	\$46,855	\$1,099	\$1,547
Depreciation on Acct 1835-5 Secondary Overhead Conductors	\$45,033	\$25,525	\$5,175	\$11,457	\$0	\$0	\$2,722	\$64	\$90
Depreciation on Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation on Acct 1845-5 Secondary Underground Conductors	\$742	\$421	\$85	\$189	\$0	\$0	\$45	\$1	\$1
Depreciation on General Plant Assigned to Secondary C&P	\$523,227	\$296,256	\$59,980	\$131,416	\$0	\$0	\$33,755	\$756	\$1,064
Secondary C&P Operations and Maintenance	\$983,582	\$555,021	\$112,778	\$245,366	\$0	\$0	\$67,121	\$1,369	\$1,928
Allocation of General Expenses	\$453,411	\$250,443	\$53,209	\$123,623	\$0	\$0	\$24,761	\$571	\$804
Admin and General Assigned to Primary C&P	\$1,100,930	\$617,114	\$126,435	\$279,691	\$0	\$0	\$73,982	\$1,537	\$2,171
PILs on Secondary C&P	\$286,278	\$162,268	\$32,897	\$72,831	\$0	\$0	\$17,304	\$406	\$571
Debt Return on Secondary C&P	\$830,065	\$470,498	\$95,385	\$211,174	\$0	\$0	\$50,174	\$1,177	\$1,657
Equity Return on Secondary C&P	\$1,229,219	\$696,747	\$141,253	\$312,721	\$0	\$0	\$74,302	\$1,742	\$2,453
<b>Total</b>	<b>\$6,227,641</b>	<b>\$3,513,668</b>	<b>\$716,272</b>	<b>\$1,585,672</b>	<b>\$0</b>	<b>\$0</b>	<b>\$391,021</b>	<b>\$8,721</b>	<b>\$12,287</b>
<b>General Plant - Gross Assets</b>	<b>\$77,941,556</b>	<b>\$37,777,325</b>	<b>\$7,642,961</b>	<b>\$20,681,140</b>	<b>\$6,362,320</b>	<b>\$3,463,842</b>	<b>\$1,712,109</b>	<b>\$125,054</b>	<b>\$176,805</b>
<b>General Plant - Accumulated Depreciation</b>	<b>(\$48,408,505)</b>	<b>(\$23,463,014)</b>	<b>(\$4,746,945)</b>	<b>(\$12,844,792)</b>	<b>(\$3,951,556)</b>	<b>(\$2,151,348)</b>	<b>(\$1,063,369)</b>	<b>(\$77,669)</b>	<b>(\$109,812)</b>
<b>General Plant - Net Fixed Assets</b>	<b>\$29,533,051</b>	<b>\$14,314,311</b>	<b>\$2,896,015</b>	<b>\$7,836,348</b>	<b>\$2,410,764</b>	<b>\$1,312,494</b>	<b>\$648,740</b>	<b>\$47,385</b>	<b>\$66,994</b>
<b>General Plant - Depreciation</b>	<b>\$3,690,466</b>	<b>\$1,788,724</b>	<b>\$361,888</b>	<b>\$979,234</b>	<b>\$301,250</b>	<b>\$164,010</b>	<b>\$81,067</b>	<b>\$5,921</b>	<b>\$8,372</b>
<b>Total Net Fixed Assets Excluding General Plant</b>	<b>\$196,940,106</b>	<b>\$98,173,318</b>	<b>\$19,888,774</b>	<b>\$54,379,621</b>	<b>\$10,460,630</b>	<b>\$9,104,495</b>	<b>\$4,164,393</b>	<b>\$318,402</b>	<b>\$450,475</b>
<b>Total Administration and General Expense</b>	<b>\$15,722,756</b>	<b>\$9,049,310</b>	<b>\$1,556,306</b>	<b>\$3,256,724</b>	<b>\$769,907</b>	<b>\$540,964</b>	<b>\$492,074</b>	<b>\$24,485</b>	<b>\$32,985</b>
<b>Total O&amp;M</b>	<b>\$14,026,365</b>	<b>\$8,138,791</b>	<b>\$1,388,190</b>	<b>\$2,857,040</b>	<b>\$670,519</b>	<b>\$474,292</b>	<b>\$446,442</b>	<b>\$21,803</b>	<b>\$29,289</b>
<b>Secondary Conductors and Poles Gross Plant</b>									
Acct 1830-5 Secondary Poles, Towers & Fixtures	\$34,664,553	\$19,648,598	\$3,983,407	\$8,818,884	\$0	\$0	\$2,095,342	\$49,133	\$69,189
Acct 1835-5 Secondary Overhead Conductors	\$3,218,985	\$1,824,588	\$369,903	\$818,930	\$0	\$0	\$194,576	\$4,563	\$6,425

Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-5 Secondary Underground Conductors	\$53,060	\$30,076	\$6,097	\$13,499	\$0	\$0	\$3,207	\$75	\$106
<b>Subtotal</b>	<b>\$37,936,598</b>	<b>\$21,503,262</b>	<b>\$4,359,407</b>	<b>\$9,651,313</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,293,125</b>	<b>\$53,771</b>	<b>\$75,720</b>
<b>Secondary Conductors and Poles Accumulated Depreciation</b>									
Acct 1830-5 Secondary Poles, Towers & Fixtures	(\$8,117,003)	(\$4,600,888)	(\$932,749)	(\$2,065,018)	\$0	\$0	(\$490,642)	(\$11,505)	(\$16,201)
Acct 1835-5 Secondary Overhead Conductors	(\$1,115,160)	(\$632,096)	(\$128,146)	(\$283,704)	\$0	\$0	(\$67,407)	(\$1,581)	(\$2,226)
Acct 1840-5 Secondary Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-5 Secondary Underground Conductors	(\$18,382)	(\$10,419)	(\$2,112)	(\$4,676)	\$0	\$0	(\$1,111)	(\$26)	(\$37)
<b>Subtotal</b>	<b>(\$9,250,545)</b>	<b>(\$5,243,404)</b>	<b>(\$1,063,008)</b>	<b>(\$2,353,398)</b>	<b>\$0</b>	<b>\$0</b>	<b>(\$559,161)</b>	<b>(\$13,112)</b>	<b>(\$18,464)</b>
Secondary Conductor & Pools - Net Fixed Assets	\$28,686,053	\$16,259,858	\$3,296,399	\$7,297,915	\$0	\$0	\$1,733,964	\$40,659	\$57,256
General Plant Assigned to Secondary C&P - NFA	\$4,187,134	\$2,370,794	\$479,991	\$1,051,662	\$0	\$0	\$270,121	\$6,051	\$8,515
Secondary C&P Net Fixed Assets Including General Plant	\$32,873,187	\$18,630,652	\$3,776,390	\$8,349,578	\$0	\$0	\$2,004,086	\$46,710	\$65,771
Acct 1830-3 Bulk Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1835-3 Bulk Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-3 Bulk Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1845-3 Bulk Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</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>\$0</b>
Acct 1830-4 Primary Poles, Towers & Fixtures	\$74,001,757	\$36,507,329	\$7,056,177	\$23,272,989	\$733	\$6,464,666	\$398,449	\$125,161	\$176,252
Acct 1835-4 Primary Overhead Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 1840-4 Primary Underground Conduit	\$65,360,618	\$32,244,391	\$6,232,232	\$20,555,417	\$648	\$5,709,791	\$351,922	\$110,546	\$155,671
Acct 1845-4 Primary Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$139,362,375</b>	<b>\$68,751,719</b>	<b>\$13,288,408</b>	<b>\$43,828,407</b>	<b>\$1,381</b>	<b>\$12,174,457</b>	<b>\$750,371</b>	<b>\$235,707</b>	<b>\$331,924</b>
<b>Operations and Maintenance</b>									
Acct 5020 Overhead Distribution Lines & Feeders - Labour	\$1,686,891	\$874,170	\$172,020	\$496,195	\$11	\$97,468	\$40,532	\$2,697	\$3,797
Acct 5025 Overhead Distribution Lines & Feeders - Other	\$681,740	\$353,287	\$69,520	\$200,532	\$4	\$39,391	\$16,381	\$1,090	\$1,535
Acct 5040 Underground Distribution Lines & Feeders - Labour	\$707,506	\$349,077	\$67,473	\$222,471	\$7	\$61,756	\$3,841	\$1,196	\$1,685
Acct 5045 Underground Distribution Lines & Feeders - Other	\$377,442	\$186,226	\$35,996	\$118,684	\$4	\$32,946	\$2,049	\$638	\$899
Acct 5090 Underground Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5095 Overhead Distribution Lines & Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5120 Maintenance of Poles, Towers & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5125 Maintenance of Overhead Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5135 Overhead Distribution Lines & Feeders - Right of Way	\$1,093,783	\$566,813	\$111,538	\$321,734	\$7	\$63,198	\$26,281	\$1,748	\$2,462
Acct 5145 Maintenance of Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Acct 5150 Maintenance of Underground Conductors & Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$4,547,362</b>	<b>\$2,329,574</b>	<b>\$456,548</b>	<b>\$1,359,616</b>	<b>\$33</b>	<b>\$294,759</b>	<b>\$89,085</b>	<b>\$7,370</b>	<b>\$10,378</b>
<b>General Expenses</b>									
Acct 5005 - Operation Supervision and Engineering	\$2,527,563	\$1,276,722	\$264,301	\$786,692	\$12	\$137,147	\$53,006	\$4,006	\$5,678
Acct 5010 - Load Dispatching	\$482,793	\$243,868	\$50,484	\$150,267	\$2	\$26,197	\$10,125	\$765	\$1,085
Acct 5085 - Miscellaneous Distribution Expense	\$49,660	\$25,084	\$5,193	\$15,456	\$0	\$2,695	\$1,041	\$79	\$112
Acct 5105 - Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$3,060,016</b>	<b>\$1,545,674</b>	<b>\$319,978</b>	<b>\$952,415</b>	<b>\$15</b>	<b>\$166,038</b>	<b>\$64,172</b>	<b>\$4,850</b>	<b>\$6,874</b>
Secondary Conductors and Poles Gross Assets	\$37,936,598	\$21,503,262	\$4,359,407	\$9,651,313	\$0	\$0	\$2,293,125	\$53,771	\$75,720



Acct 1815 - 1855

<a href="#">\$253,255,609</a>	\$132,712,859	\$26,216,007	\$74,355,354	\$1,381	\$12,922,749	\$5,942,987	\$457,134	\$647,137
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<u>Grouping of Operation and Maintenance</u>	Total		Residential		GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS		Large Use - Regular	Street Light		Sentinel	Unmetered Scattered Load
1830	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1835	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1840	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1845	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
1830 & 1835	\$	3,462,413	\$	1,794,271	\$	353,079	\$	23	\$	200,056	\$	83,194	\$
1840 & 1845	\$	1,084,948	\$	535,303	\$	103,469	\$	11	\$	94,702	\$	5,890	\$
Total	\$	4,547,362	\$	2,329,574	\$	456,548	\$	33	\$	294,759	\$	89,085	\$



Ontario Energy Board

# 2019 Cost Allocation Model

## Sheet 03.5 USL Metering Credit Worksheet -

### ALLOCATION BY RATE CLASSIFICATION

<u>Description</u>	GS <50
Depreciation on Acct 1860 Metering	\$192,273
Depreciation on General Plant Assigned to Metering	\$27,736
Acct 5065 - Meter expense	\$98,083
Acct 5070 & 5075 - Customer Premises	\$2,193
Acct 5175 - Meter Maintenance	\$0
Acct 5310 - Meter Reading	\$66,073
Admin and General Assigned to Metering	\$186,494
PILs on Metering	\$15,212
Debt Return on Metering	\$44,109
Equity Return on Metering	\$65,319
<b>Total</b>	<b>\$697,492</b>
Number of Customers	7,131
Metering Unit Cost (\$/Customer/Month)	<b>\$8.15</b>
General Plant - Gross Assets	\$7,642,961
General Plant - Accumulated Depreciation	(\$4,746,945)
General Plant - Net Fixed Assets	\$2,896,015
General Plant - Depreciation	\$361,888
<b>Total Net Fixed Assets Excluding General Plant</b>	<b>\$19,888,774</b>
<b>Total Administration and General Expense</b>	<b>\$1,556,306</b>
<b>Total O&amp;M</b>	<b>\$1,388,190</b>
Metering Rate Base	
Acct 1860 - Metering - Gross Assets	\$3,016,658
Metering - Accumulated Depreciation	(\$1,492,312)
Metering - Net Fixed Assets	\$1,524,346
General Plant Assigned to Metering - NFA	\$221,961
Metering Net Fixed Assets Including General Plant	\$1,746,307



Ontario Energy Board

# 2019 Cost Allocation Model

**EB-2019-0032**

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

**Instructions:**

More Instructions provided on the first tab in this workbook.

### **ALLOCATION BY RATE CLASSIFICATION**

<b><u>Description</u></b>	<b>Residential</b>	<b>Monthly Unit Cost</b>
Customer Premises - Operations Labour (5070)	\$ 13,285.81	\$ 0.01
Customer Premises - Materials and Expenses (5075)	\$ 11,401.21	\$ 0.01
Meter Expenses (5065)	\$ 332,941.95	\$ 0.35
Maintenance of Meters (5175)	\$ -	\$ -
Meter Reading Expenses (5310)	\$ 658,101.02	\$ 0.68
Customer Billing (5315)	#####	\$ 1.38
Amortization Expense - General Plant Assigned to Meters	\$ 94,277.21	\$ 0.10
Admin and General Expenses allocated to O&M expenses for meters	\$ 466,112.03	\$ 0.48
Allocated PILS (general plant assigned to meters)	\$ 6,571.12	\$ 0.01
Interest Expense	\$ 19,053.02	\$ 0.02
Income Expenses	\$ 28,215.06	\$ 0.03
<b>Total Cost</b>	<b>#####</b>	<b>\$ 3.07</b>
<b>Number of Residential Customers</b>	<b>80293</b>	

# 2019 Cost Allocation Model

**EB-2019-0032**

### Sheet 04 Summary of Allocators by Class & Accounts -

## ALLOCATION BY RATE CLASSIFICATION

[illegible]

1830-4	Poles, Towers and Fixtures - Primary	dp	\$74,001,757	\$36,507,329	\$7,056,177	\$23,272,989	\$733	\$6,464,666	\$398,449	\$125,161	\$176,252
1830-5	Poles, Towers and Fixtures - Secondary	dp	\$34,664,553	\$19,648,598	\$3,983,407	\$8,818,884	\$0	\$0	\$2,095,342	\$49,133	\$69,189
1835	Overhead Conductors and Devices	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1835-3	Overhead Conductors and Devices - Subtransmission Bulk Delivery	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1835-4	Overhead Conductors and Devices - Primary	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1835-5	Overhead Conductors and Devices - Secondary	dp	\$3,218,985	\$1,824,588	\$369,903	\$818,930	\$0	\$0	\$194,576	\$4,563	\$6,425
1840	Underground Conduit	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1840-3	Underground Conduit - Bulk Delivery	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1840-4	Underground Conduit - Primary	dp	\$65,360,618	\$32,244,391	\$6,232,232	\$20,555,417	\$648	\$5,709,791	\$351,922	\$110,546	\$155,671
1840-5	Underground Conduit - Secondary	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1845	Underground Conductors and Devices	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1845-3	Underground Conductors and Devices - Bulk Delivery	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1845-4	Underground Conductors and Devices - Primary	dp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1845-5	Underground Conductors and Devices - Secondary	dp	\$53,060	\$30,076	\$6,097	\$13,499	\$0	\$0	\$3,207	\$75	\$106
1850	Line Transformers	dp	\$54,127,141	\$30,404,311	\$5,781,121	\$17,352,356	\$0	\$0	\$331,839	\$106,932	\$150,581
1855	Services	dp	\$14,414,685	\$9,185,952	\$2,101,938	\$425,692	\$0	\$0	\$2,556,727	\$59,952	\$84,424
1860	Meters	dp	\$17,956,217	\$10,239,989	\$3,016,658	\$4,452,497	\$215,498	\$31,575	\$0	\$0	\$0
1905	Land	gp	\$1,156,900	\$560,736	\$113,446	\$306,974	\$94,437	\$51,414	\$25,413	\$1,856	\$2,624
1906	Land Rights	gp	\$30,889	\$14,972	\$3,029	\$8,196	\$2,521	\$1,373	\$679	\$50	\$70
1908	Buildings and Fixtures	gp	\$21,774,468	\$10,553,820	\$2,135,208	\$5,777,673	\$1,777,436	\$967,691	\$478,310	\$34,936	\$49,394
1910	Leasehold Improvements	gp	\$365,330	\$177,071	\$35,824	\$96,937	\$29,822	\$16,236	\$8,025	\$586	\$829
1915	Office Furniture and Equipment	gp	\$1,220,660	\$591,639	\$119,698	\$323,892	\$99,642	\$54,248	\$26,814	\$1,958	\$2,769
1920	Computer Equipment - Hardware	gp	\$6,257,866	\$3,033,111	\$613,647	\$1,660,472	\$510,826	\$278,109	\$137,464	\$10,040	\$14,196
1925	Computer Software	gp	\$32,665,902	\$15,832,766	\$3,203,223	\$8,667,624	\$2,666,497	\$1,451,723	\$717,558	\$52,411	\$74,100
1930	Transportation Equipment	gp	\$5,518,184	\$2,674,597	\$541,114	\$1,464,204	\$450,446	\$245,237	\$121,216	\$8,854	\$12,518
1935	Stores Equipment	gp	\$402,963	\$195,311	\$39,515	\$106,923	\$32,894	\$17,908	\$8,852	\$647	\$914
1940	Tools, Shop and Garage Equipment	gp	\$936,682	\$453,998	\$91,851	\$248,541	\$76,461	\$41,628	\$20,576	\$1,503	\$2,125
1945	Measurement and Testing Equipment	gp	\$4,104,015	\$1,989,166	\$402,440	\$1,088,966	\$335,008	\$182,389	\$90,151	\$6,585	\$9,310
1950	Power Operated Equipment	gp	\$175	\$85	\$17	\$46	\$14	\$8	\$4	\$0	\$0
1955	Communication Equipment	gp	\$566,375	\$274,515	\$55,539	\$150,283	\$46,233	\$25,171	\$12,441	\$909	\$1,285
1960	Miscellaneous Equipment	gp	\$2,941,145	\$1,425,537	\$288,409	\$780,408	\$240,084	\$130,709	\$64,607	\$4,719	\$6,672
1970	Load Management Controls - Customer Premises	gp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1975	Load Management Controls - Utility Premises	gp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1980	System Supervisory Equipment	gp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1990	Other Tangible Property	gp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1995	Contributions and Grants - Credit	co	(\$31,502,832)	(\$16,863,832)	(\$3,380,050)	(\$8,588,748)	(\$11,103)	(\$1,460,621)	(\$1,046,991)	(\$62,904)	(\$88,582)
2005	Property Under Capital Leases	gp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2010	Electric Plant Purchased or Sold	gp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2105	Accum. Amortization of Electric Utility Plant - Property, Plant, & Equipment	accum dep	(\$72,949,525)	(\$37,506,739)	(\$7,906,595)	(\$21,135,717)	(\$1,695,511)	(\$3,282,652)	(\$1,162,313)	(\$107,298)	(\$152,700)
2120	Accumulated Amortization of Electric Utility Plant - Intangibles	accum dep	(\$28,812,550)	(\$13,965,093)	(\$2,825,363)	(\$7,645,169)	(\$2,351,950)	(\$1,280,474)	(\$632,913)	(\$46,229)	(\$65,359)
3046	Balance Transferred From Income	NI	(\$8,439,030)	(\$4,206,800)	(\$852,249)	(\$2,330,207)	(\$448,246)	(\$390,134)	(\$178,447)	(\$13,644)	(\$19,303)
	blank row										
4080	Distribution Services Revenue	CREV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4082	Retail Services Revenues	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4084	Service Transaction Requests (STR) Revenues	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4086	SSS Admin Charge	mi	(\$270,691)	(\$194,449)	(\$17,269)	(\$3,085)	(\$7)	(\$15)	(\$52,879)	(\$1,240)	(\$1,746)
4090	Electric Services Incidental to Energy Sales	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4205	Interdepartmental Rents	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

4210	Rent from Electric Property	mi	(\$1,485,454)	(\$767,644)	(\$150,910)	(\$438,692)	(\$10)	(\$88,371)	(\$34,090)	(\$2,383)	(\$3,355)
4215	Other Utility Operating Income	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4220	Other Electric Revenues	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4225	Late Payment Charges	mi	(\$384,000)	(\$265,895)	(\$54,207)	(\$61,173)	\$0	(\$2,272)	\$0	(\$296)	(\$156)
4235	Miscellaneous Service Revenues	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4235-1	Account Set Up Charges	mi	(\$675,108)	(\$565,843)	(\$55,279)	(\$48,482)	(\$1,275)	(\$2,550)	(\$393)	(\$719)	(\$568)
4235-90	Miscellaneous Service Revenues - Residual	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4240	Provision for Rate Refunds	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4245	Government Assistance Directly Credited to Income	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4305	Regulatory Debits	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4310	Regulatory Credits	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4315	Revenues from Electric Plant Leased to Others	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4320	Expenses of Electric Plant Leased to Others	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4325	Revenues from Merchandise, Jobbing, Etc.	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4330	Costs and Expenses of Merchandising, Jobbing, Etc.	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4335	Profits and Losses from Financial Instrument Hedges	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4340	Profits and Losses from Financial Instrument Investments	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4345	Gains from Disposition of Future Use Utility Plant	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4350	Losses from Disposition of Future Use Utility Plant	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4355	Gain on Disposition of Utility and Other Property	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4360	Loss on Disposition of Utility and Other Property	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4365	Gains from Disposition of Allowances for Emission	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4370	Losses from Disposition of Allowances for Emission	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4375	Revenues from Non-Utility Operations	mi	(\$22,875,054)	(\$13,273,238)	(\$2,263,945)	(\$4,659,435)	(\$1,093,523)	(\$773,504)	(\$728,085)	(\$35,558)	(\$47,766)
4380	Expenses of Non-Utility Operations	mi	\$22,224,672	\$13,131,916	\$2,249,631	\$4,670,989	\$596,488	\$775,668	\$717,038	\$35,365	\$47,578
4390	Miscellaneous Non-Operating Income	mi	(\$102,280)	(\$60,434)	(\$10,353)	(\$21,496)	(\$2,745)	(\$3,570)	(\$3,300)	(\$163)	(\$219)
4395	Rate-Payer Benefit Including Interest	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4398	Foreign Exchange Gains and Losses, Including Amortization	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4405	Interest and Dividend Income	mi	(\$440,000)	(\$259,983)	(\$44,538)	(\$92,475)	(\$11,809)	(\$15,357)	(\$14,196)	(\$700)	(\$942)
4415	Equity in Earnings of Subsidiary Companies	mi	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4705	Power Purchased	cop	\$220,606,847	\$61,237,408	\$21,530,753	\$99,123,418	\$18,009,845	\$19,672,565	\$707,103	\$80,998	\$244,758
4708	Charges-WMS	cop	\$6,692,627	\$1,857,781	\$653,186	\$3,007,142	\$546,371	\$596,813	\$21,452	\$2,457	\$7,425
4710	Cost of Power Adjustments	cop	(\$237,189)	(\$65,840)	(\$23,149)	(\$106,574)	(\$19,364)	(\$21,151)	(\$760)	(\$87)	(\$263)
4712	Charges-One-Time	cop	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4714	Charges-NW	cop	\$17,791,870	\$4,433,596	\$1,558,829	\$7,264,448	\$2,212,275	\$2,247,942	\$51,194	\$5,864	\$17,720
4715	System Control and Load Dispatching	cop	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4716	Charges-CN	cop	\$11,456,680	\$2,854,916	\$1,003,774	\$4,677,780	\$1,424,546	\$1,447,513	\$32,965	\$3,776	\$11,411
4730	Rural Rate Assistance Expense	cop	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4750	Charges-LV	cop	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4751	Charges-Smart Metering Entity	cop	\$597,980	\$549,204	\$48,776	\$0	\$0	\$0	\$0	\$0	\$0
5005	Operation Supervision and Engineering	di	\$2,527,563	\$1,276,722	\$264,301	\$786,692	\$12	\$137,147	\$53,006	\$4,006	\$5,678
5010	Load Dispatching	di	\$482,793	\$243,868	\$50,484	\$150,267	\$2	\$26,197	\$10,125	\$765	\$1,085

[illegible]

5405	Supervision	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5410	Community Relations - Sundry	ad	\$147,723	\$85,716	\$14,620	\$30,090	\$7,062	\$4,995	\$4,702	\$230	\$308
5415	Energy Conservation	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5420	Community Safety Program	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5425	Miscellaneous Customer Service and Informational Expenses	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5505	Supervision	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5510	Demonstrating and Selling Expense	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5515	Advertising Expense	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5520	Miscellaneous Sales Expense	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5605	Executive Salaries and Expenses	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5610	Management Salaries and Expenses	ad	\$1,480,845	\$859,260	\$146,559	\$301,634	\$70,791	\$50,074	\$47,134	\$2,302	\$3,092
5615	General Administrative Salaries and Expenses	ad	\$4,429,325	\$2,570,113	\$438,370	\$902,212	\$211,740	\$149,775	\$140,980	\$6,885	\$9,249
5620	Office Supplies and Expenses	ad	\$527,379	\$306,011	\$52,195	\$107,422	\$25,211	\$17,833	\$16,786	\$820	\$1,101
5625	Administrative Expense Transferred Credit	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5630	Outside Services Employed	ad	\$2,172,479	\$1,260,580	\$215,010	\$442,514	\$103,854	\$73,461	\$69,147	\$3,377	\$4,536
5635	Property Insurance	ad	\$488,773	\$236,902	\$47,929	\$129,692	\$39,898	\$21,722	\$10,737	\$784	\$1,109
5640	Injuries and Damages	ad	\$398,285	\$231,105	\$39,418	\$81,127	\$19,040	\$13,468	\$12,677	\$619	\$832
5645	Employee Pensions and Benefits	ad	\$3,060,919	\$1,776,097	\$302,939	\$623,481	\$146,325	\$103,503	\$97,425	\$4,758	\$6,392
5650	Franchise Requirements	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5655	Regulatory Expenses	ad	\$658,112	\$381,869	\$65,133	\$134,051	\$31,460	\$22,254	\$20,947	\$1,023	\$1,374
5660	General Advertising Expenses	ad	\$71,534	\$41,508	\$7,080	\$14,571	\$3,420	\$2,419	\$2,277	\$111	\$149
5665	Miscellaneous General Expenses	ad	\$125,275	\$72,691	\$12,398	\$25,517	\$5,989	\$4,236	\$3,987	\$195	\$262
5670	Rent	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5675	Maintenance of General Plant	ad	\$1,716,144	\$995,792	\$169,847	\$349,563	\$82,039	\$58,030	\$54,623	\$2,668	\$3,584
5680	Electrical Safety Authority Fees	ad	\$44,657	\$25,912	\$4,420	\$9,096	\$2,135	\$1,510	\$1,421	\$69	\$93
5685	Independent Market Operator Fees and Penalties	cop	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5705	Amortization Expense - Property, Plant, and Equipment	dep	\$10,833,101	\$5,559,696	\$1,167,618	\$3,076,960	\$315,018	\$481,011	\$193,296	\$16,340	\$23,163
5710	Amortization of Limited Term Electric Plant	dep	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5715	Amortization of Intangibles and Other Electric Plant	dep	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5720	Amortization of Electric Plant Acquisition Adjustments	dep	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5730	Amortization of Unrecovered Plant and Regulatory Study Costs	dep	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5735	Amortization of Deferred Development Costs	dep	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5740	Amortization of Deferred Charges	dep	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6005	Interest on Long Term Debt	INT	\$5,698,695	\$2,840,761	\$575,505	\$1,573,539	\$302,691	\$263,449	\$120,502	\$9,213	\$13,035
6105	Taxes Other Than Income Taxes	ad	\$331,505	\$165,253	\$33,478	\$91,536	\$17,608	\$15,325	\$7,010	\$536	\$758
6110	Income Taxes	Input	\$1,965,399	\$979,738	\$198,484	\$542,691	\$104,394	\$90,860	\$41,559	\$3,178	\$4,496
6205-1	Sub-account LEAP Funding	ad	\$69,800	\$40,501	\$6,908	\$14,218	\$3,337	\$2,360	\$2,222	\$108	\$146
6210	Life Insurance	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6215	Penalties	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6225	Other Deductions	ad	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
			\$508,170,890	\$203,460,619	\$51,243,942	\$184,505,078	\$25,236,014	\$35,711,142	\$6,624,608	\$514,478	\$875,009



\$508,170,890

Grouping by Allocator		Total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
1808	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1815	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1820	\$	44,797	\$ 14,597	\$ 4,595	\$ 19,857	\$ -	\$ 5,589	\$ 159	\$ -	\$ -
1830	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1835	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1840	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1845	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1850	\$	378,000	\$ 212,330	\$ 40,373	\$ 121,181	\$ -	\$ -	\$ 2,317	\$ 747	\$ 1,052
1855	\$	1,595,616	\$ 1,016,828	\$ 232,671	\$ 47,121	\$ -	\$ -	\$ 283,014	\$ 6,636	\$ 9,345
1860	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1815-1855	\$	3,060,016	\$ 1,545,674	\$ 319,978	\$ 952,415	\$ 15	\$ 166,038	\$ 64,172	\$ 4,850	\$ 6,874
1830 & 1835	\$	3,462,413	\$ 1,794,271	\$ 353,079	\$ 1,018,461	\$ 23	\$ 200,056	\$ 83,194	\$ 5,535	\$ 7,794
1840 & 1845	\$	1,084,948	\$ 535,303	\$ 103,469	\$ 341,155	\$ 11	\$ 94,702	\$ 5,890	\$ 1,835	\$ 2,584
BCP	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BDHA	\$	659,334	\$ 591,361	\$ 29,666	\$ 38,060	\$ -	\$ -	\$ -	\$ 248	\$ -
Break Out	-\$	122,431,806	-\$ 62,775,968	-\$ 12,944,391	-\$ 34,292,674	-\$ 3,743,546	-\$ 5,542,735	-\$ 2,648,921	-\$ 200,091	-\$ 283,479
CCA	\$	34,367	\$ 24,687	\$ 2,193	\$ 392	\$ 1	\$ 2	\$ 6,713	\$ 157	\$ 222
CDMPP	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CEN	\$	29,248,550	\$ 7,288,512	\$ 2,562,603	\$ 11,942,228	\$ 3,636,821	\$ 3,695,455	\$ 84,160	\$ 9,640	\$ 29,131
CEN EWMP	\$	227,660,265	\$ 63,578,552	\$ 22,209,566	\$ 102,023,985	\$ 18,536,853	\$ 20,248,227	\$ 727,794	\$ 83,369	\$ 251,920
CREV	-\$	270,691	-\$ 194,449	-\$ 17,269	-\$ 3,085	-\$ 7	-\$ 15	-\$ 52,879	-\$ 1,240	-\$ 1,746
CWCS	\$	14,414,685	\$ 9,185,952	\$ 2,101,938	\$ 425,692	\$ -	\$ -	\$ 2,556,727	\$ 59,952	\$ 84,424
CWMC	\$	18,540,043	\$ 10,572,931	\$ 3,114,741	\$ 4,597,265	\$ 222,504	\$ 32,601	\$ -	\$ -	\$ -
CWMR	\$	777,860	\$ 658,101	\$ 66,073	\$ 52,589	\$ 585	\$ 512	\$ -	\$ -	\$ -
CWNB	\$	1,685,493	\$ 1,412,697	\$ 138,011	\$ 121,042	\$ 3,183	\$ 6,366	\$ 982	\$ 1,795	\$ 1,418
DCP	\$	233,923	\$ 93,119	\$ 21,172	\$ 96,612	\$ -	\$ 22,569	\$ 254	\$ 29	\$ 168
LPHA	-\$	384,000	-\$ 265,895	-\$ 54,207	-\$ 61,173	\$ -	\$ 2,272	\$ -	-\$ 296	\$ 156
LTNCP	\$	54,127,141	\$ 30,404,311	\$ 5,781,121	\$ 17,352,356	\$ -	\$ -	\$ 331,839	\$ 106,932	\$ 150,581
NFA	-\$	2,471,164	-\$ 1,309,109	-\$ 250,582	-\$ 675,104	-\$ 38,117	-\$ 127,797	-\$ 60,962	-\$ 3,962	-\$ 5,530
NFA ECC	\$	78,430,329	\$ 38,014,228	\$ 7,690,890	\$ 20,810,832	\$ 6,402,218	\$ 3,485,564	\$ 1,722,845	\$ 125,838	\$ 177,914
O&M	\$	14,902,478	\$ 8,647,155	\$ 1,474,899	\$ 3,035,496	\$ 712,401	\$ 503,917	\$ 474,328	\$ 23,165	\$ 31,118
PNCP	\$	140,526,033	\$ 69,130,894	\$ 13,407,758	\$ 44,344,213	\$ 1,381	\$ 12,319,646	\$ 754,510	\$ 235,707	\$ 331,924
SNCP	\$	37,936,598	\$ 21,503,262	\$ 4,359,407	\$ 9,651,313	\$ -	\$ -	\$ 2,293,125	\$ 53,771	\$ 75,720

TCP	\$	6,251,151	\$	2,488,439	\$	565,783	\$	2,581,779	\$	-	\$	603,103	\$	6,785	\$	774	\$	4,488
Total	\$	509,496,381	\$	204,167,783	\$	51,313,536	\$	184,542,007	\$	25,734,324	\$	35,711,528	\$	6,636,049	\$	515,389	\$	875,765

## 2019 Cost Allocation Model

EB-2019-0032

**Sheet 05 Details of Allocators by Class and Account Worksheet -**

## Uniform System of Accounts - Detail Accounts

		Categorization										Miscellaneous										Plant and																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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NSOA Account #	Accounts	Reclassified Balance	Asset Break Out includes Acc Dep and Contributed Capital	Adjusted TB	Demand	Customer	Total	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Demand	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Customer	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Total - Mis	Residential	GS-50	GS-50 - 50-499 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load</

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	A	B	C	D	E	F	H	I	J	K	L	X	Y	Z	AA	AC	AD	AE	AF	AG	AS	AT
97	Distribution Plant	GFA - Distribution plant (credit to contributed capital)	\$258,884,002	\$126,217,182	\$25,880,878	\$70,334,901	\$19,080,456	\$11,519,486	\$4,897,838	\$394,375	\$558,887											
98		GFA - Distribution plant (exclude credit for contributed capital)	\$290,314,526	\$143,045,968	\$29,253,837	\$78,904,462	\$19,085,657	\$12,976,893	\$5,943,241	\$457,163	\$647,305											
99																						
100		Accum Depreciation - NFA	(\$61,943,896)	(\$28,043,864)	(\$5,992,104)	(\$15,955,280)	(\$8,619,826)	(\$2,414,991)	(\$733,445)	(\$75,973)	(\$108,412)											
101		Accum Depreciation - NFA ECC	(\$57,772,855)	(\$30,335,844)	(\$6,450,766)	(\$17,201,474)	(\$103,428)	(\$2,642,386)	(\$835,097)	(\$84,060)	(\$119,800)											
102	NFA	Net Fixed Assets	\$196,940,106	\$98,173,318	\$19,888,774	\$54,379,621	\$10,460,630	\$9,104,495	\$4,164,393	\$318,402	\$450,475											
103	NFA ECC	Net Fixed Assets Excluding credit for Capital Contribution	\$232,541,671	\$112,710,123	\$22,803,071	\$61,702,988	\$18,982,229	\$10,334,507	\$5,108,143	\$373,104	\$527,506											
104																						
105	1830-4	Primary Poles Demand and Customer	\$74,001,757	\$36,507,329	\$7,056,177	\$23,272,989	\$733	\$6,464,666	\$398,449	\$125,161	\$176,252											
106	1830-5	Secondary Poles Demand and Customer	\$34,664,553	\$19,648,598	\$3,983,407	\$8,818,884	\$0	\$0	\$2,095,342	\$49,133	\$69,189											
107	POLE																					
108																						
108	PP&E		\$196,940,106	\$98,173,318	\$19,888,774	\$54,379,621	\$10,460,630	\$9,104,495	\$4,164,393	\$318,402	\$450,475											
109																						
110																						
111																						
112																						
113																						
114	Operating and Maintenance		Allocate all the costs to the O and M expenses before using it as a composite allocator.																			
115																						
116	Accounts																					
117	5005	Operation Supervision and Engineering	\$1,769,294	\$653,293	\$198,380	\$775,065	\$0	\$137,123	\$5,377	\$8	\$48	\$758,269	\$623,429	\$65,921	\$11,626	\$12	\$24	\$47,628	\$3,998	\$5,630		
118	5010	Load Dispatching	\$337,955	\$124,786	\$37,893	\$148,046	\$0	\$26,192	\$1,027	\$2	\$9	\$144,838	\$119,082	\$12,592	\$2,221	\$2	\$5	\$9,098	\$764	\$1,075		
119	5012	Station Buildings and Fixtures Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
120	5014	Transformer Station Equipment - Operation Labour	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
121	5015	Transformer Station Equipment - Operation Supplies and Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
122	5016	Distribution Station Equipment - Operation Labour	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
123	5017	Distribution Station Equipment - Operation Supplies and Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
124	5020	Overhead Distribution Lines and Feeders - Operation Labour	\$1,180,824	\$454,196	\$135,951	\$490,454	\$0	\$97,445	\$2,778	\$0	\$0	\$506,067	\$419,975	\$36,070	\$5,741	\$11	\$22	\$37,755	\$2,697	\$3,797		
125	5025	Overhead Distribution Lines & Feeders - Operation Supplies and Expenses	\$477,218	\$183,559	\$54,943	\$198,212	\$0	\$39,382	\$1,123	\$0	\$0	\$204,522	\$169,729	\$14,577	\$2,320	\$4	\$9	\$15,258	\$1,090	\$1,535		
126	5030	Overhead Subtransmission Feeders - Operation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
127	5035	Overhead Distribution Transformers- Operation	\$41,508	\$16,087	\$5,063	\$20,183	\$0	\$0	\$176	\$0	\$0	\$22,351	\$19,784	\$1,757	\$290	\$0	\$0	\$216	\$126	\$178		
128	5040	Underground Distribution Lines and Feeders - Operation Labour	\$495,254	\$161,447	\$50,810	\$219,495	\$0	\$61,742	\$1,760	\$0	\$0	\$212,252	\$187,630	\$16,663	\$2,976	\$7	\$14	\$2,081	\$1,196	\$1,685		
129	5045	Underground Distribution Lines & Feeders - Operation Supplies & Expenses	\$264,210	\$86,129	\$27,106	\$117,097	\$0	\$32,938	\$939	\$0	\$0	\$113,233	\$100,097	\$8,889	\$1,588	\$4	\$7	\$1,110	\$638	\$899		
130	5050	Underground Subtransmission Feeders - Operation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
131	5055	Underground Distribution Transformers - Operation	\$169,799	\$65,806	\$20,713	\$82,562	\$0	\$0	\$718	\$0	\$0	\$91,430	\$80,932	\$7,188	\$1,184	\$0	\$0	\$883	\$516	\$727		
132	5065	Meter Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$583,827	\$332,942	\$98,083	\$144,768	\$7,007	\$1,027	\$0	\$0	\$0		
133	5070	Customer Premises - Operation Labour	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,495	\$13,286	\$1,180	\$211	\$0	\$1	\$3,613	\$85	\$119		
134	5075	Customer Premises - Materials and Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,872	\$11,401	\$1,013	\$181	\$0	\$1	\$3,100	\$73	\$102		
135	5085	Miscellaneous Distribution Expense	\$34,762	\$12,835	\$3,898	\$15,228	\$0	\$2,694	\$106	\$0	\$1	\$14,898	\$12,249	\$1,295	\$228	\$0	\$0	\$936	\$79	\$111		
136	5090	Underground Distribution Lines and Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
137	5095	Overhead Distribution Lines and Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
138	5096	Other Rent	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
139	5105	Maintenance Supervision and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
140	5110	Maintenance of Buildings and Fixtures - Distribution Stations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
141	5112	Maintenance of Transformer Station Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
142	5114	Maintenance of Distribution Station Equipment	\$44,797	\$14,597	\$4,595	\$19,857	\$0	\$5,589	\$159	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
143	5120	Maintenance of Poles, Towers and Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
144	5125	Maintenance of Overhead Conductors and Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
145	5130	Maintenance of Overhead Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$935,922	\$596,429	\$136,475	\$27,639	\$0	\$0	\$166,004	\$3,893	\$5,482		
146	5135	Overhead Distribution Lines and Feeders - Right of Way	\$765,648	\$294,501	\$88,151	\$318,011	\$0	\$63,184	\$1,801	\$0	\$0	\$328,135	\$272,312	\$23,388	\$3,722	\$7	\$14	\$24,480	\$1,748	\$2,462		
147	5145	Maintenance of Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
148	5150	Maintenance of Underground Conductors and Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
149	5155	Maintenance of Underground Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$659,693	\$420,398	\$96,196	\$19,482	\$0	\$0	\$117,010	\$2,744	\$3,864		
150	5160	Maintenance of Line Transformers	\$34,392	\$13,329	\$4,195	\$16,723	\$0	\$0	\$145	\$0	\$0	\$18,519	\$16,393	\$1,456	\$240	\$0	\$0	\$179	\$105	\$147		
151	5175	Maintenance of Meters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
152	5305	Supervision	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
153	5310	Meter Reading Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$777,860	\$658,101	\$66,073	\$52,589	\$585	\$512	\$0	\$0	\$0		
154	5315	Customer Billing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,581,072	\$1,325,177	\$129,461	\$113,543	\$2,986	\$5,971	\$921	\$1,683	\$1,330		
155	5320	Collecting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104,421	\$87,520	\$8,550	\$7,499	\$197	\$394	\$61	\$111	\$88		
156	5325	Collecting- Cash Over and Short	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
157	5330	Collection Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
158	5335	Bad Debt Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$659,334	\$591,361	\$29,666	\$38,060	\$0	\$0	\$0	\$248	\$0		
159	5340	Miscellaneous Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
160																						
161	O&M DC	Total (not including directly allocated amounts)	\$5,615,661	\$2,080,564	\$631,699	\$2,420,933	\$0	\$466,290	\$16,109	\$10	\$58	\$7,751,009	\$6,058,227	\$756,491	\$436,107	\$10,824	\$8,002	\$430,334	\$21,793	\$29,231		
162		Total Directly Allocated Demand + Customer	\$659,695	\$0	\$0	\$0	\$659,695	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
163	O&M	Total Demand and Customer	\$14,026,365	\$8,138,791	\$1,388,190	\$2,857,040	\$670,519	\$474,292	\$446,442	\$21,803	\$29,289											
164																						
165																						
166	Accounts																					
167	4705	Power Purchased	\$220,606,847	\$61,237,408	\$21,530,753	\$99,123,418	\$18,009,845	\$19,672,565	\$707,103	\$80,998	\$244,758	\$220,606,847										
168	4708	Charges-VMS	\$6,692,627	\$1,857,781	\$653,186	\$3,007,142	\$546,371	\$596,813	\$21,452	\$2,457	\$7,425	\$6,692,627										
169	4710	Cost of Power Adjustments	(\$237,189)	(\$65,840)	(\$23,149)	(\$106,574)	(\$19,364)	(\$21,151)	(\$760)	(\$87)	(\$263)	(\$237,189)										
170	4712	Charges-One-Time	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0										
171	4714	Charges-NW	\$17,791,870	\$4,433,59																		





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### Categorization and Allocation of Contributed Capital

#### Contributed Capital - 1995

### Accumulated Depreciation - 2105 Capital Contribution

[illegible]



[illegible]

[illegible]

371	<b>Categorization and Allocation of Amortization of Limited Term Electric Plant - 5710</b>
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	AA	AB	AC	AD	AE	AG	AH	AI	AJ	AV	AW	AX	AY	BA	BB	BC	BD	BE	BO		
578	1990	Miscellaneous Equipment	\$0																																	
579	1970	Load Management Controls - Customer Premises	\$0																																	
580	1975	Load Management Controls - Utility Premises	\$0																																	
581	1980	System Supervisory Equipment	\$0																																	
582	1990	Other Tangible Property	\$0																																	
583	2005	Property Under Capital Leases	\$0																																	
584	2010	Electric Plant Purchased or Sold	\$0																																	
585		Sub - Total	\$0				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
587		TOTAL - 5720	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
588																																				
589																																				
590																																				
							Demand Allocation										Customer Allocation										A & G Allocation									
							1	2	3	5	6	7	8	9	Sub-total	1	2	3	5	6	7	8	9	Sub-total	1	2	3	5	6	7	8	9	Sub-total			
Account	Description		Demand	Customer	Total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Sub-total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Sub-total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load	Sub-total				
591	1505	Conservation and Demand Management	100%	0%	100%	100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	58.02%	9.90%	20.37%	4.78%	3.38%	3.18%	0.16%	0.21%	100.00%												
592	1805	Land	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
593	1805-1	Land Station >50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
594	1805-2	Land Station <50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
595	1806	Land Rights	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
596	1806-1	Land Rights Station >50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
597	1806-2	Land Rights Station <50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
598	1808	Buildings and Fixtures	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
599	1808-1	Buildings and Fixtures > 50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
600	1808-2	Buildings and Fixtures < 50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
601	1810	Leasehold Improvements	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
602	1810-1	Leasehold Improvements >50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
603	1810-2	Leasehold Improvements <50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
604	1810-3	Transformer Station Equipment - Normally	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
605	1815	Primary above 50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
606	1820	Distribution Station Equipment - Normally	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
607	1820-1	Primary below 50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
608	1820-2	Distribution Station Equipment - Normally	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
609	1820-3	Primary below 50 kV (Primary)	100%	100%	0%	100%	32.58%	10.26%	44.33%	0.00%	12.48%	0.36%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
610	1820-4	Distribution Station Equipment - Normally	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
611	1825	Storage Battery Equipment	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
612	1825-1	Storage Battery Equipment > 50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
613	1825-2	Storage Battery Equipment <50 kV	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
614	1830	Poles, Towers and Fixtures	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
615	1830-1	Poles, Towers and Fixtures - Primary	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
616	1830-2	Subtransmission Bulk Delivery	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
617	1830-3	Poles, Towers and Fixtures - Secondary	100%	70%	30%	100%	32.58%	10.26%	44.33%	0.00%	12.48%	0.36%	0.00%	0.00%	100.00%	88.41%	7.85%	1.40%	0.00%	0.01%	0.96%	0.56%	0.79%	100.00%												
618	1830-4	Poles, Towers and Fixtures - Primary	100%	70%	30%	100%	49.95%	13.97%	36.08%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	72.39%	5.71%	0.61%	0.00%	0.00%	20.15%	0.47%	0.67%	100.00%												
619	1835	Overhead Conductors and Devices	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
620	1835-1	Overhead Conductors and Devices - Primary	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
621	1835-2	Subtransmission Bulk Delivery	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
622	1835-3	Overhead Conductors and Devices - Secondary	100%	70%	30%	100%	32.58%	10.26%	44.33%	0.00%	12.48%	0.36%	0.00%	0.00%	100.00%	88.41%	7.85%	1.40%	0.00%	0.01%	0.96%	0.56%	0.79%	100.00%												
623	1835-4	Overhead Conductors and Devices - Primary	100%	70%	30%	100%	49.95%	13.97%	36.08%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	72.39%	5.71%	0.61%	0.00%	0.00%	20.15%	0.47%	0.67%	100.00%												
624	1840	Underground Conductors and Devices	100%			100%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
625	1840-1	Underground Conductors and Devices - Primary	100%	100%	0%	100%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												
626	1840-2	Underground Conductors and Devices - Secondary	100%	70%	30%	100%	32.58%																													





# 2019 Cost Allocation Model

**EB-2019-0032**
**Sheet E1 Categorization Worksheet -**

This worksheet details how Density is derived and how Costs are Categorized.

**Density of Utility**

Density	Number of Customers	kM of Lines
88	88995	1010

**Deemed Customer Cost Component based on Survey Results**
**Customer  
Component**

If Density is < 30 customers per kM of lines then	LOW	0.6	All
If Density is Between 30 and 60 customers per kM of lines then	MEDIUM	0.4	All
If Density is Between > 60 customers per kM of lines then	HIGH	0.3	Distribution
If Density is Between > 60 customers per kM of lines then	HIGH	0.35	Transformers

**Categorization and Demand Allocation for Distribution Assets Accounts**

USoA A/C #	Accounts	Categorization		
		Demand	Customer	Customer Component
	<b>Distribution Plant</b>			
1805	Land	DCP		0%
1805-1	Land Station >50 kV	TCP		0%
1805-2	Land Station <50 kV	DCP		0%
1806	Land Rights	DCP		0%
1806-1	Land Rights Station >50 kV	TCP		0%
1806-2	Land Rights Station <50 kV	DCP		0%
1808	Buildings and Fixtures	DCP		0%
1808-1	Buildings and Fixtures > 50 kV	TCP		0%
1808-2	Buildings and Fixtures < 50 kV	DCP		0%
1810	Leasehold Improvements	DCP		0%
1810-1	Leasehold Improvements >50 kV	TCP		0%
1810-2	Leasehold Improvements <50 kV	DCP		0%
1815	Transformer Station Equipment - Normally Primary above 50 kV	TCP		0%
1820	Distribution Station Equipment - Normally Primary below 50 kV	DCP		0%
1820-1	Distribution Station Equipment - Normally Primary below 50 kV (Bulk)	DCP		0%
1820-2	Distribution Station Equipment - Normally Primary below 50 kV (Primary)	PNCP		0%

1820-3	Distribution Station Equipment - Normally Primary below 50 kV (Wholesale Meters)		CEN	100%
1825	Storage Battery Equipment	DCP		0%
1825-1	Storage Battery Equipment > 50 kV	TCP		0%
1825-2	Storage Battery Equipment <50 kV	DCP		0%
1830	Poles, Towers and Fixtures	DNCP	CCA	30%
1830-3	Poles, Towers and Fixtures - Subtransmission Bulk Delivery	BCP		0%
1830-4	Poles, Towers and Fixtures - Primary	PNCP	CCP	30%
1830-5	Poles, Towers and Fixtures - Secondary	SNCP	CCS	30%
1835	Overhead Conductors and Devices	DNCP	CCA	30%
1835-3	Overhead Conductors and Devices - Subtransmission Bulk Delivery	BCP		0%
1835-4	Overhead Conductors and Devices - Primary	PNCP	CCP	30%
1835-5	Overhead Conductors and Devices - Secondary	SNCP	CCS	30%
1840	Underground Conduit	DNCP	CCA	30%
1840-3	Underground Conduit - Bulk Delivery	BCP		0%
1840-4	Underground Conduit - Primary	PNCP	CCP	30%
1840-5	Underground Conduit - Secondary	SNCP	CCS	30%
1845	Underground Conductors and Devices	DNCP	CCA	30%
1845-3	Underground Conductors and Devices - Bulk Delivery	BCP		0%
1845-4	Underground Conductors and Devices - Primary	PNCP	CCP	30%
1845-5	Underground Conductors and Devices - Secondary	SNCP	CCS	30%
1850	Line Transformers	LTNCP	CCLT	35%
1855	Services		CWCS	100%
1860	Meters		CWMC	100%
	blank row			
1565	Conservation and Demand Management Expenditures and Recoveries		CDMPP	100%
	<b>Accumulated Amortization</b>			
2105x	Accum. Amortization of Electric Utility Plant - Property, Plant, & Equipment	See I4 BO Assets and O7		
	<b>Operation</b>			
5005	Operation Supervision and Engineering	1815-1855 D	1815-1855 C	30%
5010	Load Dispatching	1815-1855 D	1815-1855 C	30%
5012	Station Buildings and Fixtures Expense	1808 D		0%
5014	Transformer Station Equipment - Operation Labour	1815 D		0%
5015	Transformer Station Equipment - Operation Supplies and Expenses	1815 D		0%
5016	Distribution Station Equipment - Operation Labour	1820 D		0%
5017	Distribution Station Equipment - Operation Supplies and Expenses	1820 D		0%
5020	Overhead Distribution Lines and Feeders - Operation Labour	1830 & 1835 D	1830 & 1835 C	30%
5025	Overhead Distribution Lines & Feeders - Operation Supplies and Expenses	1830 & 1835 D	1830 & 1835 C	30%
5030	Overhead Subtransmission Feeders - Operation	1830 & 1835 D		0%
5035	Overhead Distribution Transformers- Operation	1850 D	1850 C	35%
5040	Underground Distribution Lines and Feeders - Operation Labour	1840 & 1845 D	1840 & 1845 C	30%
5045	Underground Distribution Lines & Feeders - Operation Supplies & Expenses	1840 & 1845 D	1840 & 1845 C	30%
5050	Underground Subtransmission Feeders - Operation	1840 & 1845 D		0%
5055	Underground Distribution Transformers - Operation	1850 D	1850 C	35%
5065	Meter Expense		CWMC	100%
5070	Customer Premises - Operation Labour		CCA	100%

5075	Customer Premises - Materials and Expenses		CCA	100%
5085	Miscellaneous Distribution Expense	1815-1855 D	1815-1855 C	30%
5090	Underground Distribution Lines and Feeders - Rental Paid	1840 & 1845 D	1840 & 1845 C	30%
5095	Overhead Distribution Lines and Feeders - Rental Paid	1830 & 1835 D	1830 & 1835 C	30%
	<b><u>Maintenance</u></b>			
4751			4751 C	100%
5105	Maintenance Supervision and Engineering	1815-1855 D	1815-1855 C	30%
5110	Maintenance of Buildings and Fixtures - Distribution Stations	1808 D		0%
5112	Maintenance of Transformer Station Equipment	1815 D		0%
5114	Maintenance of Distribution Station Equipment	1820 D		0%
5120	Maintenance of Poles, Towers and Fixtures	1830 D	1830 C	30%
5125	Maintenance of Overhead Conductors and Devices	1835 D	1835 C	30%
5130	Maintenance of Overhead Services		1855 C	100%
5135	Overhead Distribution Lines and Feeders - Right of Way	1830 & 1835 D	1830 & 1835 C	30%
5145	Maintenance of Underground Conduit	1840 D	1840 C	30%
5150	Maintenance of Underground Conductors and Devices	1845 D	1845 C	30%
5155	Maintenance of Underground Services		1855 C	100%
5160	Maintenance of Line Transformers	1850 D	1850 C	35%
5175	Maintenance of Meters		1860 C	100%
5305	Supervision		CWNB	100%
5310	Meter Reading Expense		CWMR	100%
5315	Customer Billing		CWNB	100%
5320	Collecting		CWNB	100%
5325	Collecting- Cash Over and Short		CWNB	100%
5330	Collection Charges		CWNB	100%
5335	Bad Debt Expense		BDHA	100%
5340	Miscellaneous Customer Accounts Expenses		CWNB	100%

## 2019 Cost Allocation Model

**EB-2019-0032**

## Sheet E2 Allocator Worksheet -

**Details:**

**Details.**  
The worksheet below details how allocators are derived.

			1	2	3	5	6	7	8	9
Explanation	ID and Factors	Total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
Demand Allocators										
1 cp										
Transformation CP	TCP1	100.00%	40.95%	9.36%	40.80%	0.00%	8.83%	0.00%	0.00%	0.07%
Bulk Delivery (SubTransmission) CP	BCP1	100.00%	40.95%	9.36%	40.80%	0.00%	8.83%	0.00%	0.00%	0.07%
Distribution CP (Total System)	DCP1	100.00%	40.95%	9.36%	40.80%	0.00%	8.83%	0.00%	0.00%	0.07%
4 cp										
Transformation CP	TCP4	100.00%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%
Bulk Delivery (SubTransmission) CP	BCP4	100.00%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%
Distribution CP (Total System)	DCP4	100.00%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%
12 cp										
Transformation CP	TCP12	100.00%	34.52%	9.20%	44.46%	0.00%	11.45%	0.26%	0.03%	0.09%
Bulk Delivery (SubTransmission) CP	BCP12	100.00%	34.52%	9.20%	44.46%	0.00%	11.45%	0.26%	0.03%	0.09%
Distribution CP (Total System)	DCP12	100.00%	34.52%	9.20%	44.46%	0.00%	11.45%	0.26%	0.03%	0.09%
NON CO_INCIDENT PEAK										
1 NCP										
Distribution NCP ( Total System)	DNCP1	100.00%	35.52%	11.19%	41.70%	0.00%	11.60%	0.00%	0.00%	0.00%
Primary NCP	PNCP1	100.00%	35.40%	11.15%	41.56%	0.00%	11.56%	0.33%	0.00%	0.00%
Line Transformer NCP	LTNCP1	100.00%	41.55%	13.09%	44.98%	0.00%	0.00%	0.38%	0.00%	0.00%
Secondary NCP	SNCP1	100.00%	52.54%	14.70%	32.75%	0.00%	0.00%	0.00%	0.00%	0.00%
4 NCP										
Distribution NCP ( Total System)	DNCP4	100.00%	32.70%	10.29%	44.48%	0.00%	12.52%	0.00%	0.00%	0.00%
Primary NCP	PNCP4	100.00%	32.58%	10.26%	44.33%	0.00%	12.48%	0.36%	0.00%	0.00%
Line Transformer NCP	LTNCP4	100.00%	38.76%	12.20%	48.62%	0.00%	0.00%	0.42%	0.00%	0.00%
Secondary NCP	SNCP4	100.00%	49.95%	13.97%	36.08%	0.00%	0.00%	0.00%	0.00%	0.00%
12 NCP										
Distribution NCP ( Total System)	DNCP12	100.00%	27.34%	9.98%	48.76%	0.00%	13.92%	0.00%	0.00%	0.00%
Primary NCP	PNCP12	100.00%	27.23%	9.94%	48.56%	0.00%	13.86%	0.40%	0.00%	0.00%
Line Transformer NCP	LTNCP12	100.00%	33.06%	12.07%	54.37%	0.00%	0.00%	0.49%	0.00%	0.00%
Secondary NCP	SNCP12	100.00%	44.03%	14.28%	41.69%	0.00%	0.00%	0.00%	0.00%	0.00%
Demand Allocators - Composite										
DEMAND 1815-1855	1815-1855 D	100.00%	36.92%	11.21%	43.81%	0.00%	7.75%	0.30%	0.00%	0.00%
DEMAND 1808	1808 D	100.00%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%
DEMAND 1815	1815 D	100.00%	39.81%	9.05%	41.30%	0.00%	9.65%	0.11%	0.01%	0.07%
DEMAND 1820	1820 D	100.00%	32.58%	10.26%	44.33%	0.00%	12.48%	0.36%	0.00%	0.00%
	1815 & 1820									
DEMAND 1815 & 1820	D	100.00%	38.67%	9.24%	41.78%	0.00%	10.09%	0.15%	0.01%	0.06%
DEMAND 1830	1830 D	100.00%	38.12%	11.44%	41.70%	0.00%	8.50%	0.24%	0.00%	0.00%
DEMAND 1835	1835 D	100.00%	49.95%	13.97%	36.08%	0.00%	0.00%	0.00%	0.00%	0.00%
	1830 & 1835									
DEMAND 1830 & 1835	D	100.00%	38.46%	11.51%	41.53%	0.00%	8.25%	0.24%	0.00%	0.00%
DEMAND 1840	1840 D	100.00%	32.58%	10.26%	44.33%	0.00%	12.48%	0.36%	0.00%	0.00%
DEMAND 1845	1845 D	100.00%	49.95%	13.97%	36.08%	0.00%	0.00%	0.00%	0.00%	0.00%
	1840 & 1845									
DEMAND 1840 & 1845	D	100.00%	32.60%	10.26%	44.32%	0.00%	12.47%	0.36%	0.00%	0.00%
DEMAND 1850	1850 D	100.00%	38.76%	12.20%	48.62%	0.00%	0.00%	0.42%	0.00%	0.00%
DEMAND 1855	1855 D	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DEMAND 1860	1860 D	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CUSTOMER ALLOCATORS										

Billing Data										
kWh	CEN	100.00%	24.92%	8.76%	40.83%	12.43%	12.63%	0.29%	0.03%	0.10%
kW	CDEM	100.00%	0.00%	0.00%	70.12%	14.48%	14.84%	0.50%	0.06%	0.00%
kWh - Excl WMP	CEN EWMP	100.00%	27.76%	9.76%	44.93%	8.16%	8.92%	0.32%	0.04%	0.11%
Dollar Billed	CREV	100.00%	50.11%	11.27%	27.28%	4.54%	3.02%	3.45%	0.15%	0.19%
Bad Debt 3 Year Historical Average	BDHA	100.00%	89.69%	4.50%	5.77%	0.00%	0.00%	0.00%	0.04%	0.00%
Late Payment 3 Year Historical Average	LPHA	100.00%	69.24%	14.12%	15.93%	0.00%	0.59%	0.00%	0.08%	0.04%
Number of Bills	CNB	100.00%	90.22%	8.01%	1.43%	0.00%	0.01%	0.00%	0.29%	0.03%
Number of Connections (Unmetered)	CCON	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	94.65%	2.22%	3.13%
Embedded Distributor	ED	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Number of Customer	CCA	100.00%	71.83%	6.38%	1.14%	0.00%	0.01%	19.53%	0.46%	0.65%
Subtransmission Customer Base	CCB	100.00%	71.83%	6.38%	1.14%	0.00%	0.01%	19.53%	0.46%	0.65%
Primary Feeder Customer Base	CCP	100.00%	88.41%	7.85%	1.40%	0.00%	0.01%	0.96%	0.56%	0.79%
Line Transformer Customer Base	CCLT	100.00%	88.52%	7.86%	1.30%	0.00%	0.00%	0.97%	0.56%	0.79%
Secondary Feeder Customer Base	CCS	100.00%	72.39%	5.71%	0.61%	0.00%	0.00%	20.15%	0.47%	0.67%
Weighted - Services	CWCS	100.00%	63.73%	14.58%	2.95%	0.00%	0.00%	17.74%	0.42%	0.59%
Weighted Meter -Capital	CWMC	100.00%	57.03%	16.80%	24.80%	1.20%	0.18%	0.00%	0.00%	0.00%
Weighted Meter Reading	CWMR	100.00%	84.60%	8.49%	6.76%	0.08%	0.07%	0.00%	0.00%	0.00%
Weighted Bills	CWNB	100.00%	83.82%	8.19%	7.18%	0.19%	0.38%	0.06%	0.11%	0.08%
CUSTOMER ALLOCATORS - Composite										
CUSTOMER 1815-1855	1815-1855 C	100.00%	82.22%	8.69%	1.53%	0.00%	0.00%	6.28%	0.53%	0.74%
CUSTOMER 1808	1808 C	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CUSTOMER 1815	1815 C	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CUSTOMER 1820	1820 C	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	1815 & 1820									
CUSTOMER 1815 & 1820	C	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CUSTOMER 1830	1830 C	100.00%	83.30%	7.17%	1.15%	0.00%	0.00%	7.08%	0.53%	0.75%
CUSTOMER 1835	1835 C	100.00%	72.39%	5.71%	0.61%	0.00%	0.00%	20.15%	0.47%	0.67%
	1830 & 1835									
CUSTOMER 1830 & 1835	C	100.00%	82.99%	7.13%	1.13%	0.00%	0.00%	7.46%	0.53%	0.75%
CUSTOMER 1840	1840 C	100.00%	88.41%	7.85%	1.40%	0.00%	0.01%	0.96%	0.56%	0.79%
CUSTOMER 1845	1845 C	100.00%	72.39%	5.71%	0.61%	0.00%	0.00%	20.15%	0.47%	0.67%
	1840 & 1845									
CUSTOMER 1840 & 1845	C	100.00%	88.40%	7.85%	1.40%	0.00%	0.01%	0.98%	0.56%	0.79%
CUSTOMER 1850	1850 C	100.00%	88.52%	7.86%	1.30%	0.00%	0.00%	0.97%	0.56%	0.79%
CUSTOMER 1855	1855 C	100.00%	63.73%	14.58%	2.95%	0.00%	0.00%	17.74%	0.42%	0.59%
CUSTOMER 1860	1860 C	100.00%	57.03%	16.80%	24.80%	1.20%	0.18%	0.00%	0.00%	0.00%
Composite Allocators										
Net Fixed Assets	NFA	100.00%	49.85%	10.10%	27.61%	5.31%	4.62%	2.11%	0.16%	0.23%
Net Fixed Assets Excluding Capital										
Contribution	NFA ECC	100.00%	48.47%	9.81%	26.53%	8.16%	4.44%	2.20%	0.16%	0.23%
5005-5340	O&M	100.00%	58.02%	9.90%	20.37%	4.78%	3.38%	3.18%	0.16%	0.21%
Account Setup	Acct	100.00%	58.02%	9.90%	20.37%	4.78%	3.38%	3.18%	0.16%	0.21%
Access to Poles	POLE	100.00%	51.68%	10.16%	29.53%	0.00%	5.95%	2.29%	0.16%	0.23%
5005-6225	OM&A	100.00%	59.09%	10.12%	21.02%	2.68%	3.49%	3.23%	0.16%	0.21%
SME Allocator	4751 C		91.84%	8%	0%	0%	0%	0%	0%	0%



Ontario Energy Board

# 2019 Cost Allocation Model

**EB-2019-0032**

## Sheet E3 Demand Allocator Worksheet -

**Instructions:**

Input sheet for Demand Allocators.

**PLCC WATTS**

400

		1	2	3	5	6	7	8	9
Customer Classes	Total	Residential	GS <50	GS>50 - 50-4,999 KW Regular	Large Use - 3TS	Large Use - Regular	Street Light	Sentinel	Unmetered Scattered Load
CCA	111,775	80,293	7,131	1,274	3	6	21,835	512	721
CCB	111,775	80,293	7,131	1,274	3	6	21,835	512	721
CCP	90,816	80,293	7,131	1,274	3	6	876	512	721
CCLT	90,708	80,293	7,131	1,175	0	0	876	512	721
CCS	108,369	78,450	6,190	661	0	0	21,835	512	721
PLCC-CCA	44,710	32,117	2,852	510	1	2	8,734	205	288
PLCC-CCB	44,710	32,117	2,852	510	1	2	8,734	205	288
PLCC-CCP	36,327	32,117	2,852	510	1	2	351	205	288
PLCC-CCLT	36,283	32,117	2,852	470	0	0	351	205	288
PLCC-CCS	43,348	31,380	2,476	264	0	0	8,734	205	288
1NCP									
DNCP1	423,620	169,244	46,041	161,484	0	44,777	1,616	187	270
PNCP1	423,620	169,244	46,041	161,484	0	44,777	1,616	187	270
LTNCP1	366,294	169,244	46,041	148,935	0	0	1,616	187	270
SNCP1	291,182	165,359	39,965	83,784	0	0	1,616	187	270
PLCC - 1NCP									
DNCP1A	386,065	137,127	43,189	160,974	0	44,775	0	0	0
PNCP1A	387,330	137,127	43,189	160,974	0	44,775	1,266	0	0
LTNCP1A	330,046	137,127	43,189	148,465	0	0	1,266	0	0

<b>SNCP1A</b>	<b>254,988</b>	133,979	37,489	83,520	0	0	0	0	0
<b>4 NCP</b>									
<b>DNCP4</b>	<b>1,535,332</b>	581,466	153,996	618,268	0	173,465	6,346	729	1,062
<b>PNCP4</b>	<b>1,535,332</b>	581,466	153,996	618,268	0	173,465	6,346	729	1,062
<b>LTNCP4</b>	<b>1,313,822</b>	581,466	153,996	570,224	0	0	6,346	729	1,062
<b>SNCP4</b>	<b>1,030,712</b>	568,119	133,675	320,781	0	0	6,346	729	1,062
<b>PLCC - 4NCP</b>									
<b>DNCP4A</b>	<b>1,385,269</b>	452,997	142,586	616,229	0	173,456	0	0	0
<b>PNCP4A</b>	<b>1,390,213</b>	452,997	142,586	616,229	0	173,456	4,944	0	0
<b>LTNCP4A</b>	<b>1,168,871</b>	452,997	142,586	568,344	0	0	4,944	0	0
<b>SNCP4A</b>	<b>886,093</b>	442,599	123,771	319,723	0	0	0	0	0
<b>12NCP</b>									
<b>DNCP12</b>	<b>3,982,169</b>	1,351,366	386,894	1,728,475	0	491,680	18,529	2,122	3,103
<b>PNCP12</b>	<b>3,982,169</b>	1,351,366	386,894	1,728,475	0	491,680	18,529	2,122	3,103
<b>LTNCP12</b>	<b>3,356,172</b>	1,351,366	386,894	1,594,159	0	0	18,529	2,122	3,103
<b>SNCP12</b>	<b>2,576,740</b>	1,320,347	335,840	896,799	0	0	18,529	2,122	3,103
<b>PLCC - 12NCP</b>									
<b>DNCP12A</b>	<b>3,532,635</b>	965,959	352,665	1,722,360	0	491,651	0	0	0
<b>PNCP12A</b>	<b>3,546,958</b>	965,959	352,665	1,722,360	0	491,651	14,323	0	0
<b>LTNCP12A</b>	<b>2,921,466</b>	965,959	352,665	1,588,519	0	0	14,323	0	0
<b>SNCP12A</b>	<b>2,143,541</b>	943,787	306,128	893,626	0	0	0	0	0



# 2019 Cost Allocation Model

**EB-2019-0032**
**Sheet E4 Trial Balance Allocation Detail Worksheet -**
**Details:**

The worksheet below details how costs are treated, categorized, and grouped.

This sheet shows what accounts are included in the COSS, and how they are grouped into working capital and rate base. It shows how accounts are categorized in the customer and demand related costs. It will then show how the categorized costs are allocated to customer and demand related components. It will also show how Miscellaneous Revenue and General Plant and Administration costs are allocated. Finally, it will show how costs are being grouped together for presentation purposes.

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID
1565	Conservation and Demand Management Expenditures and Recoveries	CDM Expenditures and Recoveries	dp			O&M			O&M		
1608	Franchises and Consents	Other Distribution Assets	gp							NFA ECC	
1805	Land		dp	DDCP							
1805-1	Land Station >50 kV		dp	TCP	TCP4			TCP4			
1805-2	Land Station <50 kV		dp	DCP	DCP4			DCP4			
1806	Land Rights		dp	DDCP							
1806-1	Land Rights Station >50 kV		dp	TCP	TCP4			TCP4			
1806-2	Land Rights Station <50 kV		dp	DCP	DCP4			DCP4			
1808	Buildings and Fixtures		dp	DDCP							
1808-1	Buildings and Fixtures > 50 kV		dp	TCP	TCP4			TCP4			
1808-2	Buildings and Fixtures < 50 kV		dp	DCP	DCP4			DCP4			
1810	Leasehold Improvements		dp	DDCP							
1810-1	Leasehold Improvements >50 kV		dp	TCP	TCP4			TCP4			
1810-2	Leasehold Improvements <50 kV		dp	DCP	DCP4			DCP4			
1815	Transformer Station Equipment - Normally Primary above 50 kV		dp	TCP	TCP4			TCP4			
1820	Distribution Station Equipment - Normally Primary below 50 kV		dp	DCP	DCP4			DCP4			
1820-1	Distribution Station Equipment - Normally Primary below 50 kV (Bulk)		dp	DCP	DCP4			DCP4			

cp	ncp	non-demand	FINAL
TCP4			TCP4
DCP4			DCP4
TCP4			TCP4
DCP4			DCP4
TCP4			TCP4
DCP4			DCP4
TCP4			TCP4
DCP4			DCP4
TCP4			TCP4
DCP4			DCP4
DCP4			DCP4



Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
1820-2	Distribution Station Equipment - Normally Primary below 50 kV (Primary)		dp	PNCP	PNCP4			PNCP4					PNCP4		PNCP4
1820-3	Distribution Station Equipment - Normally Primary below 50 kV (Wholesale Meters)		dp			CEN			CEN						
1825	Storage Battery Equipment		dp	DDCP											
1825-1	Storage Battery Equipment > 50 kV		dp	TCP	TCP4			TCP4				TCP4			TCP4
1825-2	Storage Battery Equipment <50 kV		dp	DCP	DCP4			DCP4				DCP4			DCP4
1830	Poles, Towers and Fixtures		dp	DDNCP											
1830-3	Poles, Towers and Fixtures - Subtransmission Bulk Delivery		dp	BCP	BCP4			BCP4				BCP4			BCP4
1830-4	Poles, Towers and Fixtures - Primary		dp	PNCP	PNCP4	CCP	x	PNCP4	CCP				PNCP4		PNCP4
1830-5	Poles, Towers and Fixtures - Secondary		dp	SNCP	SNCP4	CCS	x	SNCP4	CCS				SNCP4		SNCP4
1835	Overhead Conductors and Devices		dp	DDNCP											
1835-3	Overhead Conductors and Devices - Subtransmission Bulk Delivery		dp	BCP	BCP4			BCP4				BCP4			BCP4
1835-4	Overhead Conductors and Devices - Primary		dp	PNCP	PNCP4	CCP	x	PNCP4	CCP				PNCP4		PNCP4
1835-5	Overhead Conductors and Devices - Secondary		dp	SNCP	SNCP4	CCS	x	SNCP4	CCS				SNCP4		SNCP4
1840	Underground Conduit		dp	DDNCP											
1840-3	Underground Conduit - Bulk Delivery	Land and Buildings	dp	BCP	BCP4			BCP4				BCP4			BCP4
1840-4	Underground Conduit - Primary	Land and Buildings	dp	PNCP	PNCP4	CCP	x	PNCP4	CCP				PNCP4		PNCP4
1840-5	Underground Conduit - Secondary	Land and Buildings	dp	SNCP	SNCP4	CCS	x	SNCP4	CCS				SNCP4		SNCP4
1845	Underground Conductors and Devices	Land and Buildings	dp	DDNCP											
1845-3	Underground Conductors and Devices - Bulk Delivery	TS Primary Above 50	dp	BCP	BCP4			BCP4				BCP4			BCP4
1845-4	Underground Conductors and Devices - Primary	DS	dp	PNCP	PNCP4	CCP	x	PNCP4	CCP				PNCP4		PNCP4
1845-5	Underground Conductors and Devices - Secondary	Other Distribution Assets	dp	SNCP	SNCP4	CCS	x	SNCP4	CCS				SNCP4		SNCP4
1850	Line Transformers	Poles, Wires	dp	LTNCP	LTNCP4	CCLT	x	LTNCP4	CCLT				LTNCP4		LTNCP4
1855	Services	Services and Meters	dp			CWCS			CWCS						
1860	Meters	Services and Meters	dp			CWMC			CWMC						
1905	Land	Land and Buildings	gp							NFA ECC					
1906	Land Rights	Land and Buildings	gp							NFA ECC					

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
1908	Buildings and Fixtures	General Plant	gp							NFA ECC					
1910	Leasehold Improvements	General Plant	gp							NFA ECC					
1915	Office Furniture and Equipment	Equipment	gp							NFA ECC					
1920	Computer Equipment - Hardware	IT Assets	gp							NFA ECC					
1925	Computer Software	IT Assets	gp							NFA ECC					
1930	Transportation Equipment	Equipment	gp							NFA ECC					
1935	Stores Equipment	Equipment	gp							NFA ECC					
1940	Tools, Shop and Garage Equipment	Equipment	gp							NFA ECC					
1945	Measurement and Testing Equipment	Equipment	gp							NFA ECC					
1950	Power Operated Equipment	Equipment	gp							NFA ECC					
1955	Communication Equipment	Equipment	gp							NFA ECC					
1960	Miscellaneous Equipment	Equipment	gp							NFA ECC					
1970	Load Management Controls Customer Premises	Other Distribution Assets	gp							NFA ECC					
1975	Load Management Controls Utility Premises	Other Distribution Assets	gp							NFA ECC					
1980	System Supervisory Equipment	Other Distribution Assets	gp							NFA ECC					
1990	Other Tangible Property	Other Distribution Assets	gp							NFA ECC					
1995	Contributions and Grants - Credit	Contributions and Grants	co		Break out	Breakout		Break out	Breakout						
2005	Property Under Capital Leases	Other Distribution Assets	gp							NFA ECC					
2010	Electric Plant Purchased or Sold	Other Distribution Assets	gp							NFA ECC					
2105	Accum. Amortization of Electric Utility Plant - Property, Plant, & Equipment	Accumulated Amortization	accum dep		Break out	Breakout		Break out	Breakout						
2120	Accumulated Amortization of Electric Utility Plant - Intangibles	Accumulated Amortization	accum dep		Break out	Breakout		Break out	Breakout						
3046	Balance Transferred From Income	Equity	NI								NFA				
	blank row														
4080	Distribution Services Revenue	Distribution Services Revenue	CREV							CREV					
4082	Retail Services Revenues	Other Distribution Revenue	mi								OM&A				
4084	Service Transaction Requests (STR) Revenues	Other Distribution Revenue	mi								OM&A				
4086	SSS Admin Charge	Other Distribution Revenue	mi								CCA				
4090	Electric Services Incidental to Energy Sales	Other Distribution Revenue	mi								OM&A				
4205	Interdepartmental Rents	Other Distribution Revenue	mi								OM&A				
4210	Rent from Electric Property	Other Distribution Revenue	mi								POLE				

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
4215	Other Utility Operating Income	Other Distribution Revenue	mi								OM&A				
4220	Other Electric Revenues	Other Distribution Revenue	mi								OM&A				
4225	Late Payment Charges	Late Payment Charges	mi								LPHA				
4235	Miscellaneous Service Revenues	Specific Service Charges	mi												
4235-1	Account Set Up Charges	Specific Service Charges	mi								CWNB				
4235-90	Miscellaneous Service Revenues - Residual	Specific Service Charges	mi								OM&A				
4240	Provision for Rate Refunds	Other Distribution Revenue	mi								OM&A				
4245	Government Assistance Directly Credited to Income	Other Distribution Revenue	mi								OM&A				
4305	Regulatory Debits	Other Income & Deductions	mi								OM&A				
4310	Regulatory Credits	Other Income & Deductions	mi								OM&A				
4315	Revenues from Electric Plant Leased to Others	Other Income & Deductions	mi								OM&A				
4320	Expenses of Electric Plant Leased to Others	Other Income & Deductions	mi								OM&A				
4325	Revenues from Merchandise, Jobbing, Etc.	Other Income & Deductions	mi								O&M				
4330	Costs and Expenses of Merchandising, Jobbing, Etc.	Other Income & Deductions	mi								OM&A				
4335	Profits and Losses from Financial Instrument Hedges	Other Income & Deductions	mi								OM&A				
4340	Profits and Losses from Financial Instrument Investments	Other Income & Deductions	mi								OM&A				
4345	Gains from Disposition of Future Use Utility Plant	Other Income & Deductions	mi								OM&A				
4350	Losses from Disposition of Future Use Utility Plant	Other Income & Deductions	mi								OM&A				
4355	Gain on Disposition of Utility and Other Property	Other Income & Deductions	mi								O&M				
4360	Loss on Disposition of Utility and Other Property	Other Income & Deductions	mi								OM&A				
4365	Gains from Disposition of Allowances for Emission	Other Income & Deductions	mi								OM&A				
4370	Losses from Disposition of Allowances for Emission	Other Income & Deductions	mi								OM&A				
4375	Revenues from Non-Utility Operations	Other Income & Deductions	mi								O&M				
4380	Expenses of Non-Utility Operations	Other Income & Deductions	mi								OM&A				
4390	Miscellaneous Non-Operating Income	Other Income & Deductions	mi								OM&A				
4395	Rate-Payer Benefit Including Interest	Other Income & Deductions	mi								OM&A				

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
4398	Foreign Exchange Gains and Losses, Including Amortization	Other Income & Deductions	mi								OM&A				
4405	Interest and Dividend Income	Other Income & Deductions	mi								OM&A				
4415	Equity in Earnings of Subsidiary Companies	Other Income & Deductions	mi								OM&A				
4705	Power Purchased	Power Supply Expenses (Working Capital)	cop							CEN EWMP					
4708	Charges-WMS	Power Supply Expenses (Working Capital)	cop							CEN EWMP					
4710	Cost of Power Adjustments	Power Supply Expenses (Working Capital)	cop							CEN EWMP					
4712	Charges-One-Time	Power Supply Expenses (Working Capital)	cop							CEN EWMP					
4714	Charges-NW	Power Supply Expenses (Working Capital)	cop							CEN					
4715	System Control and Load Dispatching	Other Power Supply Expenses	cop							CEN EWMP					
4716	Charges-CN	Power Supply Expenses (Working Capital)	cop							CEN					
4730	Rural Rate Assistance Expense	Power Supply Expenses (Working Capital)	cop							CEN EWMP					
4750	Charges-LV	Power Supply Expenses (Working Capital)	cop							CEN					
4751	Charges - Smart Metering Entity	Power Supply Expenses (Working Capital)	cop			4751 C			4751 C						
5005	Operation Supervision and Engineering	Operation (Working Capital)	di	1815-1855 D	1815-1855 D	1815-1855 C	x	1815-1855 D	1815-1855 C					1815-1855 D	1815-1855 D
5010	Load Dispatching	Operation (Working Capital)	di	1815-1855 D	1815-1855 D	1815-1855 C	x	1815-1855 D	1815-1855 C					1815-1855 D	1815-1855 D
5012	Station Buildings and Fixtures Expense	Operation (Working Capital)	di	1808 D	1808 D	1808 C		1808 D	1808 C					1808 D	1808 D
5014	Transformer Station Equipment - Operation Labour	Operation (Working Capital)	di	1815 D	1815 D	1815 C		1815 D	1815 C					1815 D	1815 D
5015	Transformer Station Equipment - Operation Supplies and Expenses	Operation (Working Capital)	di	1815 D	1815 D	1815 C		1815 D	1815 C					1815 D	1815 D
5016	Distribution Station Equipment - Operation Labour	Operation (Working Capital)	di	1820 D	1820 D	1820 C		1820 D	1820 C					1820 D	1820 D
5017	Distribution Station Equipment - Operation Supplies and Expenses	Operation (Working Capital)	di	1820 D	1820 D	1820 C		1820 D	1820 C					1820 D	1820 D
5020	Overhead Distribution Lines and Feeders - Operation Labour	Operation (Working Capital)	di	830 & 1835 D	830 & 1835 D	830 & 1835 C	x	830 & 1835 D	830 & 1835 C					830 & 1835 D	830 & 1835 D

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
5025	Overhead Distribution Lines & Feeders - Operation Supplies and Expenses	Operation (Working Capital)	di	830 & 1835	830 & 1835	830 & 1835 C	x	830 & 1835	830 & 1835 C					1830 & 1835 D	1830 & 1835 D
5030	Overhead Subtransmission Feeders - Operation	Operation (Working Capital)	di	830 & 1835	830 & 1835	830 & 1835 C		830 & 1835	830 & 1835 C					1830 & 1835 D	1830 & 1835 D
5035	Overhead Distribution Transformers- Operation	Operation (Working Capital)	di	1850 D	1850 D	1850 C	x	1850 D	1850 C					1850 D	1850 D
5040	Underground Distribution Lines and Feeders - Operation Labour	Operation (Working Capital)	di	840 & 1845	840 & 1845	840 & 1845 C	x	840 & 1845	840 & 1845 C					1840 & 1845 D	1840 & 1845 D
5045	Underground Distribution Lines & Feeders - Operation Supplies & Expenses	Operation (Working Capital)	di	840 & 1845	840 & 1845	840 & 1845 C	x	840 & 1845	840 & 1845 C					1840 & 1845 D	1840 & 1845 D
5050	Underground Subtransmission Feeders - Operation	Operation (Working Capital)	di	840 & 1845	840 & 1845	840 & 1845 C		840 & 1845	840 & 1845 C					1840 & 1845 D	1840 & 1845 D
5055	Underground Distribution Transformers - Operation	Operation (Working Capital)	di	1850 D	1850 D	1850 C	x	1850 D	1850 C					1850 D	1850 D
5065	Meter Expense	Operation (Working Capital)	cu			CWMC			CWMC						
5070	Customer Premises - Operation Labour	Operation (Working Capital)	cu			CCA			CCA						
5075	Customer Premises - Materials and Expenses	Operation (Working Capital)	cu			CCA			CCA						
5085	Miscellaneous Distribution Expense	Operation (Working Capital)	di	1815-1855 D	1815-1855 D	1815-1855 C	x	1815-1855 D	1815-1855 C					1815-1855 D	1815-1855 D
5090	Underground Distribution Lines and Feeders - Rental Paid	Operation (Working Capital)	di	840 & 1845	840 & 1845	840 & 1845 C	x	840 & 1845	840 & 1845 C					1840 & 1845 D	1840 & 1845 D
5095	Overhead Distribution Lines and Feeders - Rental Paid	Operation (Working Capital)	di	830 & 1835	830 & 1835	830 & 1835 C	x	830 & 1835	830 & 1835 C					1830 & 1835 D	1830 & 1835 D
5096	Other Rent	Operation (Working Capital)	di							O&M					
5105	Maintenance Supervision and Engineering	Maintenance (Working Capital)	di	1815-1855 D	1815-1855 D	1815-1855 C	x	1815-1855 D	1815-1855 C					1815-1855 D	1815-1855 D
5110	Maintenance of Buildings and Fixtures - Distribution Stations	Maintenance (Working Capital)	di	1808 D	1808 D	1808 C		1808 D	1808 C					1808 D	1808 D
5112	Maintenance of Transformer Station Equipment	Maintenance (Working Capital)	di	1815 D	1815 D	1815 C		1815 D	1815 C					1815 D	1815 D
5114	Maintenance of Distribution Station Equipment	Maintenance (Working Capital)	di	1820 D	1820 D	1820 C		1820 D	1820 C					1820 D	1820 D
5120	Maintenance of Poles, Towers and Fixtures	Maintenance (Working Capital)	di	1830 D	1830 D	1830 C	x	1830 D	1830 C					1830 D	1830 D
5125	Maintenance of Overhead Conductors and Devices	Maintenance (Working Capital)	di	1835 D	1835 D	1835 C	x	1835 D	1835 C					1835 D	1835 D
5130	Maintenance of Overhead Services	Maintenance (Working Capital)	di	1855 D	1855 D	1855 C		1855 D	1855 C					1855 D	1855 D
5135	Overhead Distribution Lines and Feeders - Right of Way	Maintenance (Working Capital)	di	830 & 1835	830 & 1835	830 & 1835 C	x	830 & 1835	830 & 1835 C					1830 & 1835 D	1830 & 1835 D
5145	Maintenance of Underground Conduit	Maintenance (Working Capital)	di	1840 D	1840 D	1840 C	x	1840 D	1840 C					1840 D	1840 D

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
5150	Maintenance of Underground Conductors and Devices	Maintenance (Working Capital)	di	1845 D	1845 D	1845 C	x	1845 D	1845 C					1845 D	1845 D
5155	Maintenance of Underground Services	Maintenance (Working Capital)	di	1855 D	1855 D	1855 C		1855 D	1855 C					1855 D	1855 D
5160	Maintenance of Line Transformers	Maintenance (Working Capital)	di	1850 D	1850 D	1850 C	x	1850 D	1850 C					1850 D	1850 D
5175	Maintenance of Meters	Maintenance (Working Capital)	cu	1860 D	1860 D	1860 C		1860 D	1860 C					1860 D	1860 D
5305	Supervision	Billing and Collection (Working Capital)	cu			CWNB			CWNB						
5310	Meter Reading Expense	Billing and Collection (Working Capital)	cu			CWMR			CWMR						
5315	Customer Billing	Billing and Collection (Working Capital)	cu			CWNB			CWNB						
5320	Collecting	Billing and Collection (Working Capital)	cu			CWNB			CWNB						
5325	Collecting- Cash Over and Short	Billing and Collection (Working Capital)	cu			CWNB			CWNB						
5330	Collection Charges	Billing and Collection (Working Capital)	cu			CWNB			CWNB						
5335	Bad Debt Expense	Bad Debt Expense (Working Capital)	cu			BDHA			BDHA						
5340	Miscellaneous Customer Accounts Expenses	Billing and Collection (Working Capital)	cu			CWNB			CWNB						
5405	Supervision	Community Relations (Working Capital)	ad							O&M					
5410	Community Relations - Sundry	Community Relations (Working Capital)	ad							O&M					
5415	Energy Conservation	Community Relations - CDM (Working Capital)	ad							O&M					
5420	Community Safety Program	Community Relations (Working Capital)	ad							NFA ECC					
5425	Miscellaneous Customer Service and Informational Expenses	Community Relations (Working Capital)	ad							O&M					
5505	Supervision	Other Distribution Expenses	ad							O&M					
5510	Demonstrating and Selling Expense	Other Distribution Expenses	ad							O&M					
5515	Advertising Expense	Advertising Expenses	ad							O&M					
5520	Miscellaneous Sales Expense	Other Distribution Expenses	ad							O&M					
5605	Executive Salaries and Expenses	Administrative and General Expenses (Working Capital)	ad							O&M					

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
5610	Management Salaries and Expenses	Administrative and General Expenses (Working Capital)	ad							O&M					
5615	General Administrative Salaries and Expenses	Administrative and General Expenses (Working Capital)	ad							O&M					
5620	Office Supplies and Expenses	Administrative and General Expenses (Working Capital)	ad							O&M					
5625	Administrative Expense Transferred Credit	Administrative and General Expenses (Working Capital)	ad							O&M					
5630	Outside Services Employed	Administrative and General Expenses (Working Capital)	ad							O&M					
5635	Property Insurance	Insurance Expense (Working Capital)	ad							NFA ECC					
5640	Injuries and Damages	Administrative and General Expenses (Working Capital)	ad							O&M					
5645	Employee Pensions and Benefits	Administrative and General Expenses (Working Capital)	ad							O&M					
5650	Franchise Requirements	Administrative and General Expenses (Working Capital)	ad							O&M					
5655	Regulatory Expenses	Administrative and General Expenses (Working Capital)	ad							O&M					
5660	General Advertising Expenses	Advertising Expenses	ad							O&M					
5665	Miscellaneous General Expenses	Administrative and General Expenses (Working Capital)	ad							O&M					
5670	Rent	Administrative and General Expenses (Working Capital)	ad							O&M					
5675	Maintenance of General Plant	Administrative and General Expenses (Working Capital)	ad							O&M					
5680	Electrical Safety Authority Fees	Administrative and General Expenses (Working Capital)	ad							O&M					
5685	Independent Market Operator Fees and Penalties	Power Supply Expenses (Working Capital)	cop							NFA ECC					
5705	Amortization Expense - Property, Plant, and Equipment	Amortization of Assets	dep	PRORATED	Break out	Breakout			Breakout					PRORATED	PRORATED
5710	Amortization of Limited Term Electric Plant	Amortization of Assets	dep	PRORATED	Break out	Breakout			Breakout					PRORATED	PRORATED
5715	Amortization of Intangibles and Other Electric Plant	Amortization of Assets	dep	PRORATED	Break out	Breakout			Breakout					PRORATED	PRORATED
5720	Amortization of Electric Plant Acquisition Adjustments	Other Amortization - Unclassified	dep	PRORATED	Break out	Breakout			Breakout					PRORATED	PRORATED

Uniform System of Accounts - Detail Accounts:					Classification and Allocation			Allocation Demand Related	Allocation Customer Related	Allocation A&G Related	Allocation Misc Related				
USoA Account #	Accounts	Explanations	Grouping for Sheet O1 Revenue to Cost	Demand Grouping Indicator	Demand	Customer	Joint	Demand ID	Customer ID	A & G ID	Misc ID	cp	ncp	non-demand	FINAL
5730	Amortization of Unrecovered Plant and Regulatory Study Costs	Amortization of Assets	dep							O&M					
5735	Amortization of Deferred Development Costs	Amortization of Assets	dep							O&M					
5740	Amortization of Deferred Charges	Amortization of Assets	dep							O&M					
6005	Interest on Long Term Debt	Interest Expense - Unclassified	INT							NFA					
6105	Taxes Other Than Income Taxes	Other Distribution Expenses	ad							NFA					
6110	Income Taxes	Income Tax Expense - Unclassified	Input							NFA					
6205-1	Sub-account LEAP Funding	Charitable Contributions	ad							O&M					
6210	Life Insurance	Insurance Expense (Working Capital)	ad							O&M					
6215	Penalties	Other Distribution Expenses	ad							O&M					
6225	Other Deductions	Other Distribution Expenses	ad							O&M					



# 2019 Cost Allocation Model

**EB-2019-0032**

**Sheet E5 Reconciliation Worksheet -**

**Details:**

The worksheet below shows reconciliation of costs included and excluded in the Trial Balance.

USoA Account #	Accounts	Financial Statement	Financial Statement - Asset Break Out includes Acc Dep and Contributed Capital	Adjusted TB	Excluded from COSS	Excluded	Included	Balance in O5	Difference	Balance in O4 Summary	Difference
1565	Conservation and Demand Management Expenditures and Recoveries	\$0		\$0		\$0	\$0	\$0	\$0	\$0	\$0
1608	Franchises and Consents	\$0		\$0		\$0	\$0	\$0	\$0	\$0	\$0
1805	Land		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1805-1	Land Station >50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1805-2	Land Station <50 kV		\$43,534	\$43,534		\$0	\$43,534	\$43,534	\$0	\$43,534	\$0
1806	Land Rights		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1806-1	Land Rights Station >50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1806-2	Land Rights Station <50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1808	Buildings and Fixtures		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1808-1	Buildings and Fixtures > 50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1808-2	Buildings and Fixtures < 50 KV		\$190,388	\$190,388		\$0	\$190,388	\$190,388	\$0	\$190,388	\$0
1810	Leasehold Improvements		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1810-1	Leasehold Improvements >50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1810-2	Leasehold Improvements <50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1815	Transformer Station Equipment - Normally Primary above 50 kV		\$6,251,151	\$6,251,151		\$0	\$6,251,151	\$6,251,151	\$0	\$6,251,151	\$0
1820	Distribution Station Equipment - Normally Primary below 50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1820-1	Distribution Station Equipment - Normally Primary below 50 kV (Bulk)		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0

1820-2	Distribution Station Equipment - Normally Primary below 50 kV (Primary)		\$1,163,659	\$1,163,659		\$0	\$1,163,659	\$1,163,659	\$0	\$1,163,659	\$0
1820-3	Distribution Station Equipment - Normally Primary below 50 kV (Wholesale Meters)		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1825	Storage Battery Equipment		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1825-1	Storage Battery Equipment > 50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1825-2	Storage Battery Equipment <50 kV		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1830	Poles, Towers and Fixtures		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	Poles, Towers and Fixtures - Subtransmission Bulk Delivery		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1830-3	Poles, Towers and Fixtures - Primary		\$74,001,757	\$74,001,757		\$0	\$74,001,757	\$74,001,757	\$0	\$74,001,757	\$0
1830-4	Poles, Towers and Fixtures - Secondary		\$34,664,553	\$34,664,553		\$0	\$34,664,553	\$34,664,553	\$0	\$34,664,553	\$0
1835	Overhead Conductors and Devices		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	Overhead Conductors and Devices - Subtransmission Bulk Delivery		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1835-3	Overhead Conductors and Devices - Primary		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	Overhead Conductors and Devices - Secondary		\$3,218,985	\$3,218,985		\$0	\$3,218,985	\$3,218,985	\$0	\$3,218,985	\$0
1835-5	Underground Conduit		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1840	Underground Conduit - Bulk Delivery		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1840-3	Underground Conduit - Primary		\$65,360,618	\$65,360,618		\$0	\$65,360,618	\$65,360,618	\$0	\$65,360,618	\$0
1840-4	Underground Conduit - Secondary		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1840-5	Underground Conductors and Devices		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1845	Underground Conductors and Devices - Bulk Delivery		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
1845-3	Underground Conductors and Devices - Primary		\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	Underground Conductors and Devices - Secondary		\$53,060	\$53,060		\$0	\$53,060	\$53,060	\$0	\$53,060	\$0
1845-4	Line Transformers		\$54,127,141	\$54,127,141		\$0	\$54,127,141	\$54,127,141	\$0	\$54,127,141	\$0
1845-5	Services		\$14,414,685	\$14,414,685		\$0	\$14,414,685	\$14,414,685	\$0	\$14,414,685	\$0
1850	Meters		\$17,956,217	\$17,956,217		\$0	\$17,956,217	\$17,956,217	\$0	\$17,956,217	\$0
1855	Land	\$0	\$1,156,900	\$1,156,900		\$0	\$1,156,900	\$1,156,900	\$0	\$1,156,900	\$0
1860	Land Rights	\$0	\$30,889	\$30,889		\$0	\$30,889	\$30,889	\$0	\$30,889	\$0
1905	Buildings and Fixtures	\$0	\$21,774,468	\$21,774,468		\$0	\$21,774,468	\$21,774,468	\$0	\$21,774,468	\$0
1906	Leasehold Improvements	\$0	\$365,330	\$365,330		\$0	\$365,330	\$365,330	\$0	\$365,330	\$0
1908	Office Furniture and Equipment	\$0	\$1,220,660	\$1,220,660		\$0	\$1,220,660	\$1,220,660	\$0	\$1,220,660	\$0
1910	Computer Equipment - Hardware	\$0	\$6,257,866	\$6,257,866		\$0	\$6,257,866	\$6,257,866	\$0	\$6,257,866	\$0
1915	Computer Software	\$0	\$32,665,902	\$32,665,902		\$0	\$32,665,902	\$32,665,902	\$0	\$32,665,902	\$0
1920	Transportation Equipment	\$0	\$5,518,184	\$5,518,184		\$0	\$5,518,184	\$5,518,184	\$0	\$5,518,184	\$0
1925	Stores Equipment	\$0	\$402,963	\$402,963		\$0	\$402,963	\$402,963	\$0	\$402,963	\$0
1930	Tools, Shop and Garage Equipment	\$0	\$936,682	\$936,682		\$0	\$936,682	\$936,682	\$0	\$936,682	\$0
1935	Measurement and Testing Equipment	\$0	\$4,104,015	\$4,104,015		\$0	\$4,104,015	\$4,104,015	\$0	\$4,104,015	\$0
1940	Power Operated Equipment	\$0	\$175	\$175		\$0	\$175	\$175	\$0	\$175	\$0
1945	Communication Equipment	\$0	\$566,375	\$566,375		\$0	\$566,375	\$566,375	\$0	\$566,375	\$0

1960	Miscellaneous Equipment	\$0	\$2,941,145	\$2,941,145	\$0	\$2,941,145	\$2,941,145	\$0	\$2,941,145	\$0
1970	Load Management Controls - Customer Premises	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1975	Load Management Controls - Utility Premises	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1980	System Supervisory Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1990	Other Tangible Property	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1995	Contributions and Grants - Credit	(\$31,502,832)	\$0	(\$31,502,832)	\$0	(\$31,502,832)	(\$31,502,832)	\$0	(\$31,502,832)	\$0
2005	Property Under Capital Leases	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2010	Electric Plant Purchased or Sold	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2105	Accum. Amortization of Electric Utility Plant - Property, Plant, & Equipment	(\$72,949,525)		(\$72,949,525)	\$0	(\$72,949,525)	(\$72,949,525)	\$0	(\$72,949,525)	\$0
2120	Accumulated Amortization of Electric Utility Plant - Intangibles	(\$28,812,550)		(\$28,812,550)	\$0	(\$28,812,550)	(\$28,812,550)	\$0	(\$28,812,550)	\$0
3046	Balance Transferred From Income	(\$8,439,030)		(\$8,439,030)	\$0	(\$8,439,030)	(\$8,439,030)	\$0	(\$8,439,030)	\$0
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4080	Distribution Services Revenue	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4082	Retail Services Revenues	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4084	Service Transaction Requests (STR) Revenues	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4086	SSS Admin Charge	(\$270,691)		(\$270,691)	\$0	(\$270,691)	(\$270,691)	\$0	(\$270,691)	\$0
4090	Electric Services Incidental to Energy Sales	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4205	Interdepartmental Rents	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4210	Rent from Electric Property	(\$1,485,454)		(\$1,485,454)	\$0	(\$1,485,454)	(\$1,485,454)	\$0	(\$1,485,454)	\$0
4215	Other Utility Operating Income	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4220	Other Electric Revenues	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4225	Late Payment Charges	(\$384,000)		(\$384,000)	\$0	(\$384,000)	(\$384,000)	\$0	(\$384,000)	\$0
4235	Miscellaneous Service Revenues	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4240	Provision for Rate Refunds	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4245	Government Assistance Directly Credited to Income	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4305	Regulatory Debits	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4310	Regulatory Credits	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4315	Revenues from Electric Plant Leased to Others	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4320	Expenses of Electric Plant Leased to Others	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4325	Revenues from Merchandise, Jobbing, Etc.	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4330	Costs and Expenses of Merchandising, Jobbing, Etc.	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4335	Profits and Losses from Financial Instrument Hedges	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4340	Profits and Losses from Financial Instrument Investments	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4345	Gains from Disposition of Future Use Utility Plant	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0

4350	Losses from Disposition of Future Use Utility Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4355	Gain on Disposition of Utility and Other Property	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4360	Loss on Disposition of Utility and Other Property	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4365	Gains from Disposition of Allowances for Emission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4370	Losses from Disposition of Allowances for Emission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4375	Revenues from Non-Utility Operations	(\$22,875,054)	(\$22,875,054)	\$0	(\$22,875,054)	(\$22,875,054)	\$0	(\$22,875,054)	\$0
4380	Expenses of Non-Utility Operations	\$22,224,672	\$22,224,672	\$0	\$22,224,672	\$22,224,672	\$0	\$22,224,672	\$0
4390	Miscellaneous Non-Operating Income	(\$102,280)	(\$102,280)	\$0	(\$102,280)	(\$102,280)	\$0	(\$102,280)	\$0
4395	Rate-Payer Benefit Including Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4398	Foreign Exchange Gains and Losses, Including Amortization	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4405	Interest and Dividend Income	(\$440,000)	(\$440,000)	\$0	(\$440,000)	(\$440,000)	\$0	(\$440,000)	\$0
4415	Equity in Earnings of Subsidiary Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4705	Power Purchased	\$220,606,847	#####	\$0	#####	\$220,606,847	\$0	#####	\$0
4708	Charges-WMS	\$6,692,627	\$6,692,627	\$0	\$6,692,627	\$6,692,627	\$0	\$6,692,627	\$0
4710	Cost of Power Adjustments	(\$237,189)	(\$237,189)	\$0	(\$237,189)	(\$237,189)	\$0	(\$237,189)	\$0
4712	Charges-One-Time	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4714	Charges-NW	\$17,791,870	\$17,791,870	\$0	\$17,791,870	\$17,791,870	\$0	\$17,791,870	\$0
4715	System Control and Load Dispatching	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4716	Charges-CN	\$11,456,680	\$11,456,680	\$0	\$11,456,680	\$11,456,680	\$0	\$11,456,680	\$0
4730	Rural Rate Assistance Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4750	Charges-LV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4751	Charges - Smart Metering Entity	\$597,980	\$597,980	\$0	\$597,980	\$597,980	\$0	\$597,980	\$0
5005	Operation Supervision and Engineering	\$2,527,563	\$2,527,563	\$0	\$2,527,563	\$2,527,563	\$0	\$2,527,563	\$0
5010	Load Dispatching	\$482,793	\$482,793	\$0	\$482,793	\$482,793	\$0	\$482,793	\$0
5012	Station Buildings and Fixtures Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5014	Transformer Station Equipment - Operation Labour	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5015	Transformer Station Equipment - Operation Supplies and Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5016	Distribution Station Equipment - Operation Labour	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5017	Distribution Station Equipment - Operation Supplies and Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5020	Overhead Distribution Lines and Feeders - Operation Labour	\$1,686,891	\$1,686,891	\$0	\$1,686,891	\$1,686,891	\$0	\$1,686,891	\$0
5025	Overhead Distribution Lines & Feeders - Operation Supplies and Expenses	\$681,740	\$681,740	\$0	\$681,740	\$681,740	\$0	\$681,740	\$0
5030	Overhead Subtransmission Feeders - Operation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

5035	Overhead Distribution Transformers- Operation	\$63,859	\$63,859		\$0	\$63,859	\$63,859	\$0	\$63,859	\$0
5040	Underground Distribution Lines and Feeders - Operation Labour	\$707,506	\$707,506		\$0	\$707,506	\$707,506	\$0	\$707,506	\$0
5045	Underground Distribution Lines & Feeders - Operation Supplies & Expenses	\$377,442	\$377,442		\$0	\$377,442	\$377,442	\$0	\$377,442	\$0
5050	Underground Subtransmission Feeders - Operation	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5055	Underground Distribution Transformers - Operation	\$261,230	\$261,230		\$0	\$261,230	\$261,230	\$0	\$261,230	\$0
5065	Meter Expense	\$583,827	\$583,827		\$0	\$583,827	\$583,827	\$0	\$583,827	\$0
5070	Customer Premises - Operation Labour	\$18,495	\$18,495		\$0	\$18,495	\$18,495	\$0	\$18,495	\$0
5075	Customer Premises - Materials and Expenses	\$15,872	\$15,872		\$0	\$15,872	\$15,872	\$0	\$15,872	\$0
5085	Miscellaneous Distribution Expense	\$49,660	\$49,660		\$0	\$49,660	\$49,660	\$0	\$49,660	\$0
5090	Underground Distribution Lines and Feeders - Rental Paid	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5095	Overhead Distribution Lines and Feeders - Rental Paid	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5096	Other Rent	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5105	Maintenance Supervision and Engineering	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5110	Maintenance of Buildings and Fixtures - Distribution Stations	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5112	Maintenance of Transformer Station Equipment	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5114	Maintenance of Distribution Station Equipment	\$44,797	\$44,797		\$0	\$44,797	\$44,797	\$0	\$44,797	\$0
5120										
	Maintenance of Poles, Towers and Fixtures	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5125	Maintenance of Overhead Conductors and Devices	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5130	Maintenance of Overhead Services	\$935,922	\$935,922		\$0	\$935,922	\$935,922	\$0	\$935,922	\$0
5135	Overhead Distribution Lines and Feeders - Right of Way	\$1,093,783	\$1,093,783		\$0	\$1,093,783	\$1,093,783	\$0	\$1,093,783	\$0
5145	Maintenance of Underground Conduit	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5150	Maintenance of Underground Conductors and Devices	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5155	Maintenance of Underground Services	\$659,693	\$659,693		\$0	\$659,693	\$659,693	\$0	\$659,693	\$0
5160	Maintenance of Line Transformers	\$52,911	\$52,911		\$0	\$52,911	\$52,911	\$0	\$52,911	\$0
5175	Maintenance of Meters	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5305	Supervision	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5310	Meter Reading Expense	\$777,860	\$777,860		\$0	\$777,860	\$777,860	\$0	\$777,860	\$0
5315	Customer Billing	\$1,581,072	\$1,581,072		\$0	\$1,581,072	\$1,581,072	\$0	\$1,581,072	\$0
5320	Collecting	\$104,421	\$104,421		\$0	\$104,421	\$104,421	\$0	\$104,421	\$0
5325	Collecting- Cash Over and Short	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
5330	Collection Charges	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0

5335	Bad Debt Expense	\$659,334	\$659,334	\$0	\$659,334	\$659,334	\$0	\$659,334	\$0
5340	Miscellaneous Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5405	Supervision	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5410	Community Relations - Sundry	\$147,723	\$147,723	\$0	\$147,723	\$147,723	\$0	\$147,723	\$0
5415	Energy Conservation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5420	Community Safety Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5425	Miscellaneous Customer Service and Informational Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5505	Supervision	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5510	Demonstrating and Selling Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5515	Advertising Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5520	Miscellaneous Sales Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5605	Executive Salaries and Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5610	Management Salaries and Expenses	\$1,480,845	\$1,480,845	\$0	\$1,480,845	\$1,480,845	\$0	\$1,480,845	\$0
5615	General Administrative Salaries and Expenses	\$4,429,325	\$4,429,325	\$0	\$4,429,325	\$4,429,325	\$0	\$4,429,325	\$0
5620	Office Supplies and Expenses	\$527,379	\$527,379	\$0	\$527,379	\$527,379	\$0	\$527,379	\$0
5625	Administrative Expense Transferred Credit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5630	Outside Services Employed	\$2,172,479	\$2,172,479	\$0	\$2,172,479	\$2,172,479	\$0	\$2,172,479	\$0
5635	Property Insurance	\$488,773	\$488,773	\$0	\$488,773	\$488,773	\$0	\$488,773	\$0
5640	Injuries and Damages	\$398,285	\$398,285	\$0	\$398,285	\$398,285	\$0	\$398,285	\$0
5645	Employee Pensions and Benefits	\$3,060,919	\$3,060,919	\$0	\$3,060,919	\$3,060,919	\$0	\$3,060,919	\$0
5650	Franchise Requirements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5655	Regulatory Expenses	\$658,112	\$658,112	\$0	\$658,112	\$658,112	\$0	\$658,112	\$0
5660	General Advertising Expenses	\$71,534	\$71,534	\$0	\$71,534	\$71,534	\$0	\$71,534	\$0
5665	Miscellaneous General Expenses	\$125,275	\$125,275	\$0	\$125,275	\$125,275	\$0	\$125,275	\$0
5670	Rent	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5675	Maintenance of General Plant	\$1,716,144	\$1,716,144	\$0	\$1,716,144	\$1,716,144	\$0	\$1,716,144	\$0
5680	Electrical Safety Authority Fees	\$44,657	\$44,657	\$0	\$44,657	\$44,657	\$0	\$44,657	\$0
5685	Independent Market Operator Fees and Penalties	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5705	Amortization Expense - Property, Plant, and Equipment	\$10,833,102	\$10,833,102	\$0	\$10,833,102	\$10,833,102	\$0	\$10,833,101	\$1
5710	Amortization of Limited Term Electric Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5715	Amortization of Intangibles and Other Electric Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5720	Amortization of Electric Plant Acquisition Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5730	Amortization of Unrecovered Plant and Regulatory Study Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5735	Amortization of Deferred Development Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5740	Amortization of Deferred Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6005	Interest on Long Term Debt	\$5,698,695	\$5,698,695	\$0	\$5,698,695	\$5,698,695	\$0	\$5,698,695	\$0

6105	Taxes Other Than Income Taxes	\$331,505	\$331,505		\$0	\$331,505	\$331,505	\$0	\$331,505	\$0
6110	Income Taxes	\$1,965,399	\$1,965,399		\$0	\$1,965,399	\$1,965,399	\$0	\$1,965,399	\$0
6205-1	Sub-account LEAP funding	\$69,800	\$69,800		\$0	\$69,800	\$69,800	\$0	\$69,800	\$0
6210	Life Insurance	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
6215	Penalties	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
6225	Other Deductions	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Total		\$159,458,695	\$349,387,304	#####	\$0	#####	\$508,845,999	\$0	#####	\$1
				Control	\$508,845,999					



Grouping by Allocator	Adjusted TB	Excluded from COSS	Excluded	Included	Balance in O5	Difference	Balance in O4 Summary	Difference
1808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1815	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1820	\$ 44,797	\$ -	\$ -	\$ 44,797	\$ 44,797	\$ -	\$ 44,797	\$ -
1830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1845	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1850	\$ 378,000	\$ -	\$ -	\$ 378,000	\$ 378,000	\$ -	\$ 378,000	\$ -
1855	\$ 1,595,616	\$ -	\$ -	\$ 1,595,616	\$ 1,595,616	\$ -	\$ 1,595,616	\$ -
1860	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1815-1855	\$ 3,060,016	\$ -	\$ -	\$ 3,060,016	\$ 3,060,016	\$ -	\$ 3,060,016	\$ -
1830 & 1835	\$ 3,462,413	\$ -	\$ -	\$ 3,462,413	\$ 3,462,413	\$ -	\$ 3,462,413	\$ -
1840 & 1845	\$ 1,084,948	\$ -	\$ -	\$ 1,084,948	\$ 1,084,948	\$ -	\$ 1,084,948	\$ -
BCP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BDHA	\$ 659,334	\$ -	\$ -	\$ 659,334	\$ 659,334	\$ -	\$ 659,334	\$ -
Break Out	\$ (122,431,805)	\$ -	\$ -	\$ (122,431,805)	\$ (122,431,805)	\$ -	\$ (122,431,806)	\$ 1
CCA	\$ 34,367	\$ -	\$ -	\$ 34,367	\$ 34,367	\$ -	\$ 34,367	\$ -
CDMPP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CEN	\$ 29,248,550	\$ -	\$ -	\$ 29,248,550	\$ 29,248,550	\$ -	\$ 29,248,550	\$ -
CEN EWMP	\$ 227,062,285	\$ -	\$ -	\$ 227,062,285	\$ 227,062,285	\$ -	\$ 227,062,285	\$ -
CREV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CWCS	\$ 14,414,685	\$ -	\$ -	\$ 14,414,685	\$ 14,414,685	\$ -	\$ 14,414,685	\$ -
CWMC	\$ 18,540,043	\$ -	\$ -	\$ 18,540,043	\$ 18,540,043	\$ -	\$ 18,540,043	\$ -
CWMR	\$ 777,860	\$ -	\$ -	\$ 777,860	\$ 777,860	\$ -	\$ 777,860	\$ -
CWNB	\$ 1,685,493	\$ -	\$ -	\$ 1,685,493	\$ 1,685,493	\$ -	\$ 1,685,493	\$ -
DCP	\$ 233,923	\$ -	\$ -	\$ 233,923	\$ 233,923	\$ -	\$ 233,923	\$ -
LPHA	\$ (384,000)	\$ -	\$ -	\$ (384,000)	\$ (384,000)	\$ -	\$ (384,000)	\$ -
LTNCP	\$ 54,127,141	\$ -	\$ -	\$ 54,127,141	\$ 54,127,141	\$ -	\$ 54,127,141	\$ -
NFA	\$ (2,471,164)	\$ -	\$ -	\$ (2,471,164)	\$ (2,471,164)	\$ -	\$ (2,471,164)	\$ -
NFA ECC	\$ 78,430,329	\$ -	\$ -	\$ 78,430,329	\$ 78,430,329	\$ -	\$ 78,430,329	\$ -
O&M	\$ 14,902,478	\$ -	\$ -	\$ 14,902,478	\$ 14,902,478	\$ -	\$ 14,902,478	\$ -

<b>PNCP</b>	\$	140,526,033	\$	-	\$	-	\$	140,526,033	\$	140,526,033	\$	-	\$	140,526,033	\$	-
<b>SNCP</b>	\$	37,936,598	\$	-	\$	-	\$	37,936,598	\$	37,936,598	\$	-	\$	37,936,598	\$	-
<b>TCP</b>	\$	6,251,151	\$	-	\$	-	\$	6,251,151	\$	6,251,151	\$	-	\$	6,251,151	\$	-
<b>Total</b>	<b>\$</b>	<b>509,169,092</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>509,169,092</b>	<b>\$</b>	<b>509,169,092</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>509,169,091</b>	<b>\$</b>	<b>1</b>