### EXHIBIT 6 – CALCULATION OF REVENUE DEFICIENCY OR SURPLUS

E.L.K. Energy Inc. EB-2016-0066 Exhibit 6 Page 1 of 6 Filed: November 1, 2016

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|   | 6 – Calculation of Revenue<br>Deficiency or Surplus |                                        |      |
|   |                                                     | Revenue Deficiency - Overview          | 2    |
|   |                                                     | Cost Drivers for Revenue Deficiency    | 4    |
|   |                                                     | Appendix 6-A: Revenue Requirement Work | 6    |
|   |                                                     | Form                                   |      |

### 1 REVENUE DEFICIENCY - OVERVIEW

2 E.L.K. Energy Inc. ("E.L.K") revenue deficiency is 627,952. This deficiency is calculated as the difference between the 2017 Test Year Revenue Requirement of \$4,513,093 and the Forecast 2017 Test Year 3 Revenue, based on the 2016 approved rates, at \$3,885,141. Table 6-1 on the following page provides the 4 revenue deficiency calculations. The table also includes the determination of net utility income, statement 5 of rate base, the utility return on rate base at existing rates and the requested rate of return on rate base 6 7 in this application. Further details on these items are provided in the pdf version of the Revenue Requirement Work Form ("RRWF") filed as part of this Exhibit 6. A live Microsoft Excel version of the 8 9 RRWF has also been filed with this Application.

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11 **Revenue Requirement:** 

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13 E.L.K's Revenue Requirement consists of the following:

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15 - Administrative & General, Billing & Collecting Expense

- 16 Operation & Maintenance Expense
- 17 Depreciation Expense
- 18 Property Taxes
- 19 PILs
- 20 Deemed Interest & Return on Equity
- 21

E.L.K's revenue requirement is primarily received through electricity distribution rates with supplemental revenue from Board-approved specific service charges such as late payment charges and other miscellaneous charges.

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### Table 6-1 Revenue Deficiency Calculation

|                                                |                | 2017 Test - |
|------------------------------------------------|----------------|-------------|
|                                                | 2017 Test      |             |
| Description                                    |                | Required    |
| Description                                    | Existing Rates | Revenue     |
| Revenue                                        |                | 637 053     |
| Revenue Deficiency Distribution Revenue        | 2 225 144      | 627,952     |
|                                                | 3,335,144      | 3,335,144   |
| Other Operating Revenue (Net) Total Revenue    | 549,998        | 549,998     |
|                                                | 3,885,141      | 4,513,093   |
| Costs and Expenses                             |                |             |
| Administrative & General, Billing & Collecting | 1,967,097      | 1,967,097   |
| Operation & Maintenance                        | 1,542,300      | 1,542,300   |
| Donations                                      | 100            | 100         |
| Depreciation & Amortization                    | 338,871        | 338,871     |
| Property Taxes                                 | 17,410         | 17,410      |
| Deemed Interest                                | 206,171        | 206,171     |
| Total Costs and Expenses                       | 4,071,949      | 4,071,949   |
|                                                | ((00.000)      |             |
| Utility Income Before Income Taxes             | (186,808)      | 441,144     |
| Income Taxes:                                  |                |             |
| Corporate Income Taxes                         | 0              | 0           |
| Total Income Taxes                             | 0              | 0           |
|                                                |                | × ·         |
| Utility Net Income                             | (186,808)      | 441,144     |
|                                                |                |             |
| Income Tax Expense Calculation:                |                |             |
| Accounting Income                              | (186,808)      | 441,144     |
| Tax Adjustments to Accounting Income           | (493,697)      | (493,697)   |
| Taxable Income                                 | (680,505)      | (52,553)    |
| Income tax expense before credits              | 0              | 0           |
| Credits                                        | 0              | 0           |
| Income Tax Expense                             | 0              | 0           |
| Tax Rate Refecting Tax Credits                 | 0.00%          | 0.00%       |
|                                                |                |             |
| Actual Return on Rate Base:                    |                |             |
| Rate Base                                      | 12,000,666     | 12,000,666  |
|                                                |                |             |
| Interest Expense                               | 206,171        | 206,171     |
| Net Income                                     | (186,808)      | 441,144     |
| Total Actual Return on Rate Base               | 19,364         | 647,316     |
| Astro-I Determine an Deter Dese                | 0.400/         | 5.000/      |
| Actual Return on Rate Base                     | 0.16%          | 5.39%       |
| Required Return on Rate Base:                  |                |             |
| Rate Base                                      | 12,000,666     | 12,000,666  |
| Nale Dase                                      | 12,000,000     | 12,000,000  |
| Return Rates:                                  |                |             |
| Return on Debt (Weighted)                      | 2.86%          | 2.86%       |
| Return on Equity                               | 9.19%          | 9.19%       |
|                                                | 0.1070         | 0           |
| Deemed Interest Expense                        | 206,171        | 206,171     |
| Return On Equity                               | 441,144        | 441,144     |
| Total Return                                   | 647,316        | 647,316     |
|                                                |                | •           |
| Expected Return on Rate Base                   | 5.39%          | 5.39%       |
|                                                |                |             |
| Revenue Deficiency After Tax                   | 627,952        | 0           |
| Revenue Deficiency Before Tax                  | 627,952        | 0           |

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### 1 COST DRIVERS ON REVENUE DEFICIENCY

Table 6-2 below outlines the contributors to the revenue deficiency by revenue requirement component. Column A lists the 2012 approved amounts. Column B lists the 2017 revenue at existing rates shown in Table 6-1 allocated to revenue requirement component based on the proportions in Column A. It is E.L.K.'s view that Column B estimates the revenue requirement components for revenue at existing rates based on the components assumed in existing rates. Column C lists the E.L.K.'s proposed components. Finally, Column D represents the difference between Column C and Column B which provides an estimate of the revenue requirement components for the revenue deficiency of \$627,952.

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### Table 6-2 Revenue Deficiency by Revenue Requirement Component

| Service Revenue<br>Requirement | 2012<br>Approved<br>(A) | 2017 Revenue at Existing<br>Rates Allocated in<br>Proportion to 2012 Approved<br>(B) | 2017<br>Proposed<br>(C) | Revenue<br>Deficiency<br>(D) = (C) - (B) |
|--------------------------------|-------------------------|--------------------------------------------------------------------------------------|-------------------------|------------------------------------------|
| OM&A                           | 2,448,972               | 2,554,197                                                                            | 3,509,396               | 955,199                                  |
| LEAP                           | 38                      | 39                                                                                   | 100                     | 61                                       |
| Property Tax                   | 23,000                  | 23,988                                                                               | 17,410                  | (\$6,578)                                |
| Depreciation                   | 524,060                 | 546,577                                                                              | 338,871                 | (\$207,706)                              |
| Return on Rate Base            | 658,613                 | 686,911                                                                              | 647,316                 | (\$39,596)                               |
| PILs                           | 70,403                  | 73,428                                                                               | 0                       | (\$73,428)                               |
| Total                          | 3,725,085               | 3,885,141                                                                            | 4,513,093               | 627,952                                  |
|                                |                         |                                                                                      |                         | Difference<br>(D) = (C) - (A)            |
| Rate Base                      | 12,545,088              |                                                                                      | 12,000,666              | (\$544,423)                              |

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12 The revenue deficiency of \$627,952 for the 2017 Test Year relates to increases to OM&A which are 13 explained in detail in Exhibit 4. In summary, the four main contributors to the increases in OM&A are:

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The first results from E.L.K. projecting two additional operational linemen in the Test year to
 assist with future succession planning.

- The second relates to cost increases from 2012 in order to maintain the overhead and underground system.
- The third relates to costs in 2017 for two additional office staff members within E.L.K. E.L.K. is
   planning for an addition of an engineering manager to assist the operations manager as well as a
   financial and regulatory analyst to assist with the ever increasing regulatory requirements.
- The fourth contributor is costs incurred by E.L.K. for assistance in the preparation and support of this application.

As shown in Table 6-2, the increases in OM&A are offset by decreases in depreciation and PILs as well as some small decreases in property taxes and return on rate base. The decrease is depreciation results from E.L.K. transitioning to actual IFRS and the work surrounding the componentization and new useful lives which are in line with the Kinetric's report. Actual useful lives were extended resulting in a reduced depreciation expense. The lower deprecation also causes the PILs to reduce since the tax adjustment for accounting depreciation, which increases PILs, is lower. The lower return on rate base reflects a lower working capital allowance of 7.5% compared to 12% included in current rates.

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| 1 | APPENDIX 6-A:                 |
|---|-------------------------------|
| 2 | REVENUE REQUIREMENT WORK FORM |

Contario Energy Board Revenue Requirement Workform (RRWF) for 2017 Filers



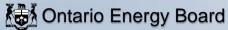
| Version 7. |
|------------|
|------------|

| Utility Name       | E.L.K. Energy Inc.                                 |  |
|--------------------|----------------------------------------------------|--|
| Service Territory  | Essex, Lakeshore, Kingsville, Cottam, Comber, Hai  |  |
| Assigned EB Number | EB-2016-0066                                       |  |
| Name and Title     | Mark Danelon, Director, Finance & Regulatory Affai |  |
| Phone Number       | 519-776-5291 ext 204                               |  |
| Email Address      | mdanelon@elkenergy.com                             |  |

The RRWF has been enhanced commencing with 2017 rate applications to provide estimated base distribution rates. The enhanced RRWF is not intended to replace a utility's formal rate generator model which should continue to be the source of the proposed rates as well as the final ones at the conclusion of the proceeding. The load forecasting addition made to this model is intended to be demonstrative only and does not replace the information filed in the utility's application. In an effort to minimize the incremental work required from utilities, the cost allocation and rate design additions to this model do in fact replace former appendices that were required to be filed as part of the cost of service (Chapter 2) filing requirements.

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



# Revenue Requirement Workform (RRWF) for 2017 Filers

| <u>1. Info</u>       | 8. Rev Def Suff                            |
|----------------------|--------------------------------------------|
| 2. Table of Contents | <u>9. Rev_Reqt</u>                         |
| 3. Data Input Sheet  | 10. Load Forecast                          |
| 4. Rate_Base         | 11. Cost Allocation                        |
| 5. Utility Income    | 12. Residential Rate Design                |
| <u>6. Taxes_PILs</u> | 13. Rate Design and Revenue Reconciliation |
| 7. Cost_of_Capital   | 14. Tracking Sheet                         |

Notes:

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

### **Revenue Requirement Workform** (RRWF) for 2017 Filers

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

|   |                                                     | Initial<br>Application   | (2) |            |          |                   | (6) |     | Per Board<br>Decision              | -   |
|---|-----------------------------------------------------|--------------------------|-----|------------|----------|-------------------|-----|-----|------------------------------------|-----|
| 1 | Rate Base                                           |                          |     |            |          |                   |     |     |                                    |     |
|   | Gross Fixed Assets (average)                        | \$25,244,220             |     |            | \$       | 25,244,220        |     |     | \$25,244,220                       |     |
|   | Accumulated Depreciation (average)                  | (\$15,462,030)           | (5) |            |          | (\$15,462,030)    |     |     | (\$15,462,030)                     |     |
|   | Allowance for Working Capital:                      | (* ** * ****/            |     |            |          |                   |     |     | (* * * * * * * * * * *             |     |
|   | Controllable Expenses                               | \$3,484,511              |     |            | \$       | 3.484.511         |     |     | \$3,484,511                        |     |
|   | Cost of Power                                       | \$26,095,158             |     |            | ŝ        | 26,095,158        |     |     | \$26,095,158                       |     |
|   | Working Capital Rate (%)                            | 7.50%                    | (9) |            |          | 7.50%             | (9) |     | 7.50%                              | (9) |
| 2 | Utility Income                                      |                          |     |            |          |                   |     |     |                                    |     |
| - | Operating Revenues:                                 |                          |     |            |          |                   |     |     |                                    |     |
|   | Distribution Revenue at Current Rates               | \$3,335,144              |     | \$0        |          | \$3,335,144       |     | \$0 | \$3,335,144                        |     |
|   | Distribution Revenue at Proposed Rates              | \$3,963,096              |     | \$0<br>\$0 |          | \$3,963,096       |     | \$0 | \$3,963,096                        |     |
|   | Other Revenue:                                      | +-,,                     |     | <b>4</b> - |          |                   |     |     | +-,,                               |     |
|   | Specific Service Charges                            | \$83,170                 |     | \$0        |          | \$83,170          |     | \$0 | \$83,170                           |     |
|   | Late Payment Charges                                | \$114,623                |     | \$0        |          | \$114,623         |     | \$0 | \$114,623                          |     |
|   | Other Distribution Revenue                          | \$310,083                |     | \$0        |          | \$310,083         |     | \$0 | \$310,083                          |     |
|   | Other Income and Deductions                         | \$42,122                 |     | \$0        |          | \$42,122          |     | \$0 | \$42,122                           |     |
|   | Total Revenue Offsets                               | \$549,998                | (7) | \$0        |          | \$549,998         |     | \$0 | \$549,998                          |     |
|   |                                                     |                          |     |            |          |                   |     |     |                                    |     |
|   | Operating Expenses:                                 | <b>*</b> ** <b>*</b> *** |     |            | •        |                   |     |     | <b>A</b> A <b>F</b> AA <b>4</b> AA |     |
|   | OM+A Expenses                                       | \$3,509,496              |     |            | \$       | 3,509,496         |     |     | \$3,509,496                        |     |
|   | Depreciation/Amortization<br>Property taxes         | \$338,871<br>\$17,410    |     |            | \$<br>\$ | 338,871<br>17,410 |     |     | \$338,871<br>\$17,410              |     |
|   | Other expenses                                      | \$17,410                 |     |            | ¢        | 17,410            |     |     | \$17,410                           |     |
| 3 | Taxes/PILs<br>Taxable Income:                       |                          |     |            |          |                   |     |     |                                    |     |
|   | Adjustments required to arrive at taxable<br>income | (\$493,697)              | (3) |            |          | (\$493,697)       |     |     | (\$493,697)                        |     |
|   | Utility Income Taxes and Rates:                     |                          |     |            |          |                   |     |     |                                    |     |
|   | Income taxes (not grossed up)                       | \$ -                     |     |            |          |                   |     |     |                                    |     |
|   | Income taxes (grossed up)                           | \$ -                     |     |            |          |                   |     |     |                                    |     |
|   | Federal tax (%)                                     |                          |     |            |          |                   |     |     |                                    |     |
|   | Provincial tax (%)                                  |                          |     |            |          |                   |     |     |                                    |     |
|   | Income Tax Credits                                  |                          |     |            |          |                   |     |     |                                    |     |
| 4 | Capitalization/Cost of Capital                      |                          |     |            |          |                   |     |     |                                    |     |
|   | Capital Structure:                                  |                          |     |            |          |                   |     |     |                                    |     |
|   | Long-term debt Capitalization Ratio (%)             | 56.0%                    |     |            |          | 56.0%             |     |     | 56.0%                              |     |
|   | Short-term debt Capitalization Ratio (%)            | 4.0%                     | (8) |            |          | 4.0%              | (8) |     | 4.0%                               | (8) |
|   | Common Equity Capitalization Ratio (%)              | 40.0%                    |     |            |          | 40.0%             |     |     | 40.0%                              |     |
|   | Prefered Shares Capitalization Ratio (%)            |                          |     |            |          | 0.0%              |     |     | 0.0%                               |     |
|   |                                                     | 100.0%                   |     |            |          | 100.0%            |     |     | 100.0%                             |     |
|   | Cost of Capital                                     |                          |     |            |          |                   |     |     |                                    |     |
|   | Long-term debt Cost Rate (%)                        | 2.95%                    |     |            |          | 2.95%             |     |     | 2.95%                              |     |
|   | Short-term debt Cost Rate (%)                       | 1.65%                    |     |            |          | 1.65%             |     |     | 1.65%                              |     |
|   | Common Equity Cost Rate (%)                         | 9.19%                    |     |            |          | 9.19%             |     |     | 9.19%                              |     |
|   | Prefered Shares Cost Rate (%)                       |                          |     |            |          | 0.0%              |     |     | 0.00%                              |     |
|   |                                                     |                          |     |            |          |                   |     |     |                                    |     |

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

(1)

All inputs are in dollars (\$) except where inputs are individually identified as percentages (%) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., (2) use column M and Adjustments in column I

Net of addbacks and deductions to arrive at taxable income. (3)

(4) Average of Gross Fixed Assets at beginning and end of the Test Year

(5)

Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount. Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected. (6)

(7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement

(8)

4.0% unless an Applicant has proposed or been approved for another amount. The default Working Capital Allowance factor is 7.5% (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, a (9) WCA factor based on lead-lag study, with supporting rationale could be provided.

# Contario Energy Board Revenue Requirement Workform (RRWF) for 2017 Filers

**Rate Base and Working Capital** 

Date Date

|             | Rate Base                          |     |                        |         |                |      |                       |
|-------------|------------------------------------|-----|------------------------|---------|----------------|------|-----------------------|
| Line<br>No. | Particulars                        | _   | Initial<br>Application |         |                |      | Per Board<br>Decision |
| 1           | Gross Fixed Assets (average)       | (2) | \$25,244,220           | \$<br>- | \$25,244,220   | \$ - | \$25,244,220          |
| 2           | Accumulated Depreciation (average) | (2) | (\$15,462,030)         | \$<br>- | (\$15,462,030) | \$ - | (\$15,462,030)        |
| 3           | Net Fixed Assets (average)         | (2) | \$9,782,190            | \$<br>- | \$9,782,190    | \$ - | \$9,782,190           |
| 4           | Allowance for Working Capital      | (1) | \$2,218,475            | \$<br>- | \$2,218,475    | \$ - | \$2,218,475           |
| 5           | Total Rate Base                    | =   | \$12,000,666           | \$<br>- | \$12,000,666   | \$ - | \$12,000,666          |

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

| 7  | Controllable Expenses<br>Cost of Power<br>Working Capital Base |     | \$3,484,511<br>\$26,095,158<br>\$29,579,669 | \$ -<br>\$ -<br>\$ - | \$3,484,511<br>\$26,095,158<br>\$29,579,669 | \$ -<br>\$ -<br>\$ - | \$3,484,511<br>\$26,095,158<br>\$29,579,669 |
|----|----------------------------------------------------------------|-----|---------------------------------------------|----------------------|---------------------------------------------|----------------------|---------------------------------------------|
|    | Working Capital Rate %                                         | (1) | 7.50%                                       | 0.00%                | 7.50%                                       | 0.00%                | 7.50%                                       |
| 10 | Working Capital Allowance                                      | -   | \$2,218,475                                 | \$ -                 | \$2,218,475                                 | \$ -                 | \$2,218,475                                 |

Notes (1)

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2017 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015.

<sup>(2)</sup> Average of opening and closing balances for the year.

## Revenue Requirement Workform (RRWF) for 2017 Filers

### Utility Income

| Line<br>No.           | Particulars                                                                                                           | Initial<br>Application                                       |                                      |                                             |                                      | Per Board<br>Decision                        |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------|---------------------------------------------|--------------------------------------|----------------------------------------------|
| 1                     | Operating Revenues:<br>Distribution Revenue (at<br>Proposed Rates)                                                    | \$3,963,096                                                  | \$ -                                 | \$3,963,096                                 | \$ -                                 | \$3,963,096                                  |
| 2                     | Other Revenue                                                                                                         | (1) \$549,998                                                | \$ -                                 | \$549,998                                   | \$ -                                 | \$549,998                                    |
| 3                     | Total Operating Revenues                                                                                              | \$4,513,093                                                  | <u> </u>                             | \$4,513,093                                 | <u> </u>                             | \$4,513,093                                  |
| 4<br>5<br>6<br>7<br>8 | Operating Expenses:<br>OM+A Expenses<br>Depreciation/Amortization<br>Property taxes<br>Capital taxes<br>Other expense | \$3,509,496<br>\$338,871<br>\$17,410<br>\$ -<br>\$ -<br>\$ - | \$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | \$3,509,496<br>\$338,871<br>\$17,410<br>\$- | \$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | \$3,509,496<br>\$338,871<br>\$17,410<br>\$ - |
| 9                     | Subtotal (lines 4 to 8)                                                                                               | \$3,865,778                                                  | \$ -                                 | \$3,865,778                                 | \$ -                                 | \$3,865,778                                  |
| 10                    | Deemed Interest Expense                                                                                               | \$206,171                                                    | <u> </u>                             | \$206,171                                   | <u> </u>                             | \$206,171                                    |
| 11                    | Total Expenses (lines 9 to 10)                                                                                        | \$4,071,949                                                  | <u> </u>                             | \$4,071,949                                 | \$ -                                 | \$4,071,949                                  |
| 12                    | Utility income before income taxes                                                                                    | \$441,144                                                    | <u> </u>                             | \$441,144                                   | \$ -                                 | \$441,144                                    |
| 13                    | Income taxes (grossed-up)                                                                                             | \$ <u>-</u>                                                  | <u> </u>                             | <u> </u>                                    | <u> </u>                             | <u> </u>                                     |
| 14                    | Utility net income                                                                                                    | \$441,144                                                    | \$                                   | \$441,144                                   | <u> -</u>                            | \$441,144                                    |

### Notes Other Revenues / Revenue Offsets

| (1) | Specific Service Charges<br>Late Payment Charges<br>Other Distribution Revenue<br>Other Income and Deductions | \$83,170<br>\$114,623<br>\$310,083<br>\$42,122 | \$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | \$83,170<br>\$114,623<br>\$310,083<br>\$42,122 | \$ -<br>\$ -<br>\$ -<br>\$ - | \$83,170<br>\$114,623<br>\$310,083<br>\$42,122 |
|-----|---------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------------------------------------|------------------------------|------------------------------------------------|
|     | Total Revenue Offsets                                                                                         | \$549,998                                      | <u> </u>                             | \$549,998                                      | <u> </u>                     | \$549,998                                      |

4

# Revenue Requirement Workform (RRWF) for 2017 Filers

### Taxes/PILs

| Line<br>No.    | Particulars                                                    | Application             |                         | Per Board<br>Decision   |
|----------------|----------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
|                | Determination of Taxable Income                                |                         |                         |                         |
| 1              | Utility net income before taxes                                | \$441,144               | \$441,144               | \$441,144               |
| 2              | Adjustments required to arrive at taxable<br>utility income    | (\$493,697)             | (\$493,697)             | (\$493,697)             |
| 3              | Taxable income                                                 | (\$52,553)              | (\$52,553)              | (\$52,553)              |
|                | Calculation of Utility income Taxes                            |                         |                         |                         |
| 4              | Income taxes                                                   | \$ -                    | \$ -                    | \$ -                    |
| 6              | Total taxes                                                    | \$                      | \$                      | \$                      |
| 7              | Gross-up of Income Taxes                                       | \$                      | \$                      | \$                      |
| 8              | Grossed-up Income Taxes                                        | <u> </u>                | <u> </u>                | <u> </u>                |
| 9              | PILs / tax Allowance (Grossed-up Income taxes + Capital taxes) | <u> </u>                | \$ -                    | \$ -                    |
| 10             | Other tax Credits                                              | \$ -                    | \$ -                    | \$ -                    |
|                | Tax Rates                                                      |                         |                         |                         |
| 11<br>12<br>13 | Federal tax (%)<br>Provincial tax (%)<br>Total tax rate (%)    | 0.00%<br>0.00%<br>0.00% | 0.00%<br>0.00%<br>0.00% | 0.00%<br>0.00%<br>0.00% |

### Notes

# Revenue Requirement Workform (RRWF) for 2017 Filers

### Capitalization/Cost of Capital

| Line<br>No. | Particulars                   | Capitaliza      | ation Ratio                        | Cost Rate             | Return                        |
|-------------|-------------------------------|-----------------|------------------------------------|-----------------------|-------------------------------|
|             |                               | Initial A       | oplication                         |                       |                               |
|             |                               | (%)             | (\$)                               | (%)                   | (\$)                          |
|             | Debt                          | . ,             |                                    |                       |                               |
| 1           | Long-term Debt                | 56.00%          | \$6,720,373                        | 2.95%                 | \$198,251                     |
| 2           | Short-term Debt               | 4.00%           | \$480,027                          | 1.65%                 | \$7,920                       |
| 3           | Total Debt                    | 60.00%          | \$7,200,399                        | 2.86%                 | \$206,171                     |
|             | Equity                        |                 |                                    |                       |                               |
| 4           | Common Equity                 | 40.00%          | \$4,800,266                        | 9.19%                 | \$441,144                     |
| 5           | Preferred Shares              | 0.00%           | \$ -                               | 0.00%                 | \$ -                          |
| 6           | Total Equity                  | 40.00%          | \$4,800,266                        | 9.19%                 | \$441,144                     |
| 7           | Total                         | 100.00%         | \$12,000,666                       | 5.39%                 | \$647,316                     |
| -           |                               |                 | ,,                                 |                       |                               |
|             |                               |                 |                                    |                       |                               |
|             |                               | (0()            |                                    | (0/)                  |                               |
|             | Debt                          | (%)             | (\$)                               | (%)                   | (\$)                          |
| 1           | Long-term Debt                | 56.00%          | \$6,720,373                        | 2.95%                 | \$198,251                     |
| 2           | Short-term Debt               | 4.00%           | \$480,027                          | 1.65%                 | \$7,920                       |
| 3           | Total Debt                    | 60.00%          | \$7,200,399                        | 2.86%                 | \$206,171                     |
|             |                               |                 |                                    |                       |                               |
| 4           | Equity<br>Common Equity       | 40.00%          | \$4,800,266                        | 9.19%                 | \$441,144                     |
| 4<br>5      | Preferred Shares              | 0.00%           | \$4,000,200<br>\$ -                | 0.00%                 | 5441,144<br>\$-               |
| 6           | Total Equity                  | 40.00%          | \$4,800,266                        | 9.19%                 | <u> </u>                      |
| ·           |                               |                 | \$ 1,000,200                       |                       |                               |
| 7           | Total                         | 100.00%         | \$12,000,666                       | 5.39%                 | \$647,316                     |
|             |                               |                 |                                    |                       |                               |
|             |                               | Per Boar        | d Decision                         |                       |                               |
|             |                               | (%)             | (\$)                               | (%)                   | (\$)                          |
| -           | Debt                          | <b>TO 000</b> / | <b>*</b> • <b>=</b> •• <b>•=</b> • | 0.070/                | <b>*</b> ( <b>a a a a i</b> ) |
| 8           | Long-term Debt                | 56.00%          | \$6,720,373                        | 2.95%                 | \$198,251                     |
| 9<br>10     | Short-term Debt<br>Total Debt | 4.00%           | \$480,027<br>\$7,200,399           | <u>1.65%</u><br>2.86% | \$7,920<br>\$206,171          |
| 10          | Total Debt                    | 60.00%          | \$7,200,399                        | 2.80%                 | \$206,171                     |
|             | Equity                        |                 |                                    |                       |                               |
| 11          | Common Equity                 | 40.00%          | \$4,800,266                        | 9.19%                 | \$441,144                     |
| 12          | Preferred Shares              | 0.00%           | - <del>*</del>                     | 0.00%                 | <u>\$-</u>                    |
| 13          | Total Equity                  | 40.00%          | \$4,800,266                        | 9.19%                 | \$441,144                     |
| 14          | Total                         | 100.00%         | \$12,000,666                       | 5.39%                 | \$647,316                     |

### Notes

# Revenue Requirement Workform (RRWF) for 2017 Filers

### **Revenue Deficiency/Sufficiency**

|                |                                                                                                          | Initial Appli                                      | cation                                  |                                                    |                                         | Per Board D                                        | ecision                                 |
|----------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|----------------------------------------------------|-----------------------------------------|----------------------------------------------------|-----------------------------------------|
| Line<br>No.    | Particulars                                                                                              | At Current<br>Approved Rates                       | At Proposed<br>Rates                    | At Current<br>Approved Rates                       | At Proposed<br>Rates                    | At Current<br>Approved Rates                       | At Proposed<br>Rates                    |
| 1<br>2<br>3    | Revenue Deficiency from Below<br>Distribution Revenue<br>Other Operating Revenue<br>Offsets - net        | \$3,335,144<br>\$549,998                           | \$627,952<br>\$3,335,144<br>\$549,998   | \$3,335,144<br>\$549,998                           | \$627,952<br>\$3,335,144<br>\$549,998   | \$3,335,144<br>\$549,998                           | \$627,952<br>\$3,335,144<br>\$549,998   |
| 4              | Total Revenue                                                                                            | \$3,885,141                                        | \$4,513,093                             | \$3,885,141                                        | \$4,513,093                             | \$3,885,141                                        | \$4,513,093                             |
| 5<br>6<br>8    | Operating Expenses<br>Deemed Interest Expense<br>Total Cost and Expenses                                 | \$3,865,778<br>\$206,171<br>\$4,071,949            | \$3,865,778<br>\$206,171<br>\$4,071,949 | \$3,865,778<br>\$206,171<br>\$4,071,949            | \$3,865,778<br>\$206,171<br>\$4,071,949 | \$3,865,778<br>\$206,171<br>\$4,071,949            | \$3,865,778<br>\$206,171<br>\$4,071,949 |
| 9              | Utility Income Before Income<br>Taxes                                                                    | (\$186,808)                                        | \$441,144                               | (\$186,808)                                        | \$441,144                               | (\$186,808)                                        | \$441,144                               |
| 10             | Tax Adjustments to Accounting Income per 2013 PILs model                                                 | (\$493,697)                                        | (\$493,697)                             | (\$493,697)                                        | (\$493,697)                             | (\$493,697)                                        | (\$493,697)                             |
| 11             | Taxable Income                                                                                           | (\$680,505)                                        | (\$52,553)                              | (\$680,505)                                        | (\$52,553)                              | (\$680,505)                                        | (\$52,553)                              |
| 12<br>13       | Income Tax Rate                                                                                          | 0.00%<br>\$ -                                      | 0.00%<br>\$ -                           | 0.00%<br>\$ -                                      | 0.00%<br>\$ -                           | 0.00%<br>\$ -                                      | 0.00%<br>\$ -                           |
| 14<br>15       | Income Tax on Taxable income<br>Income Tax Credits<br>Utility Net Income                                 | \$ -<br>(\$186,808)                                | \$ -<br>\$441,144                       | \$ -<br>(\$186,808)                                | \$ -<br>\$441,144                       | \$ -<br>(\$186,808)                                | \$ -<br>\$441,144                       |
| 16             | Utility Rate Base                                                                                        | \$12,000,666                                       | \$12,000,666                            | \$12,000,666                                       | \$12,000,666                            | \$12,000,666                                       | \$12,000,666                            |
| 17             | Deemed Equity Portion of Rate<br>Base                                                                    | \$4,800,266                                        | \$4,800,266                             | \$4,800,266                                        | \$4,800,266                             | \$4,800,266                                        | \$4,800,266                             |
| 18             | Income/(Equity Portion of Rate<br>Base)                                                                  | -3.89%                                             | 9.19%                                   | -3.89%                                             | 9.19%                                   | -3.89%                                             | 9.19%                                   |
| 19             | Target Return - Equity on Rate<br>Base                                                                   | 9.19%                                              | 9.19%                                   | 9.19%                                              | 9.19%                                   | 9.19%                                              | 9.19%                                   |
| 20             | Deficiency/Sufficiency in Return<br>on Equity                                                            | -13.08%                                            | 0.00%                                   | -13.08%                                            | 0.00%                                   | -13.08%                                            | 0.00%                                   |
| 21<br>22       | Indicated Rate of Return<br>Requested Rate of Return on<br>Rate Base                                     | 0.16%<br>5.39%                                     | 5.39%<br>5.39%                          | 0.16%<br>5.39%                                     | 5.39%<br>5.39%                          | 0.16%<br>5.39%                                     | 5.39%<br>5.39%                          |
| 23             | Deficiency/Sufficiency in Rate of<br>Return                                                              | -5.23%                                             | 0.00%                                   | -5.23%                                             | 0.00%                                   | -5.23%                                             | 0.00%                                   |
| 24<br>25<br>26 | Target Return on Equity<br>Revenue Deficiency/(Sufficiency)<br>Gross Revenue<br>Deficiency/(Sufficiency) | \$441,144<br>\$627,952<br>\$627,952 <sup>(1)</sup> | \$441,144<br>\$ -                       | \$441,144<br>\$627,952<br>\$627,952 <sup>(1)</sup> | \$441,144<br>\$ -                       | \$441,144<br>\$627,952<br>\$627,952 <sup>(1)</sup> | \$441,144<br>\$ -                       |

Notes:

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

# Revenue Requirement Workform (RRWF) for 2017 Filers

### **Revenue Requirement**

| Line<br>No. | Particulars                                                                                                   | Application              |     |                          |     | Per Board Decision       |     |
|-------------|---------------------------------------------------------------------------------------------------------------|--------------------------|-----|--------------------------|-----|--------------------------|-----|
| 1<br>2      | OM&A Expenses<br>Amortization/Depreciation                                                                    | \$3,509,496<br>\$338,871 |     | \$3,509,496<br>\$338,871 |     | \$3,509,496<br>\$338.871 |     |
| 3           | Property Taxes                                                                                                | \$17,410                 |     | \$17,410                 |     | \$17,410                 |     |
| 5<br>6      | Income Taxes (Grossed up)<br>Other Expenses                                                                   | \$ -<br>\$ -             |     | \$ -                     |     | \$ -                     |     |
| 7           | Return<br>Deemed Interest Expense<br>Return on Deemed Equity                                                  | \$206,171<br>\$441,144   |     | \$206,171<br>\$441,144   |     | \$206,171<br>\$441,144   |     |
| 8           | Service Revenue Requirement<br>(before Revenues)                                                              | \$4,513,093              |     | \$4,513,093              |     | \$4,513,093              |     |
| 9<br>10     | Revenue Offsets<br>Base Revenue Requirement<br>(excluding Tranformer Owership<br>Allowance credit adjustment) | \$549,998<br>\$3,963,096 |     | \$549,998<br>\$3,963,096 |     | \$549,998<br>\$3,963,096 |     |
| 11<br>12    | Distribution revenue<br>Other revenue                                                                         | \$3,963,096<br>\$549,998 |     | \$3,963,096<br>\$549,998 |     | \$3,963,096<br>\$549,998 |     |
| 13          | Total revenue                                                                                                 | \$4,513,093              |     | \$4,513,093              |     | \$4,513,093              |     |
| 14          | Difference (Total Revenue Less<br>Distribution Revenue Requirement<br>before Revenues)                        | \$                       | (1) | \$                       | (1) | \$                       | (1) |

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

|                                                                    | Application |             | Δ% <sup>(2)</sup> | Per Board Decision | Δ% (2 |
|--------------------------------------------------------------------|-------------|-------------|-------------------|--------------------|-------|
| Service Revenue Requirement<br>Grossed-Up Revenue                  | \$4,513,093 | \$4,513,093 | \$0               | \$4,513,093        | (\$1  |
| Deficiency/(Sufficiency)                                           | \$627,952   | \$627,952   | \$0               | \$627,952          | (\$*  |
| Base Revenue Requirement (to be recovered from Distribution Rates) | \$3,963,096 | \$3,963,096 | \$0               | \$3,963,096        | (\$   |
| Revenue Deficiency/(Sufficiency)<br>Associated with Base Revenue   |             |             |                   |                    |       |
| Requirement                                                        | \$627,952   | \$627,952   | \$0               | \$627,952          | (\$   |

Notes

(2)

Line 11 - Line 8

Percentage Change Relative to Initial Application

## **Revenue Requirement Workform** (RRWF) for 2017 Filers

### Load Forecast Summary

This spreadsheet provides a summary of the customer and load forecast on which the test year revenue requirement is derived. The amounts serve as the denominators for deriving the rates to recover the test year revenue requirement for purposes of this RRWF.

The information to be input is inclusive of any adjustments to kWh and kW to reflect the impacts of CDM programs up to and including CDM programs planned to be executed in the test year. i.e., the load forecast adjustments determined in Appendix 2-I should be incorporated into the entries. The inputs should correspond with the summary of the Load Forecast for the Test Year in Appendix 2-IB and in Exhibit 3 of the application.

Appendix 2-IB is still required to be filled out, as it also provides a year-over-year variance analysis of demand growth andf trends from historical actuals to the Bridge and Test Year forecasts.

|                                                                                                                                               | -                                                             |                                                                                       |                                        |                                                               |                      |                                        |                                                               |                      |                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------|----------------------|----------------------------------------|---------------------------------------------------------------|----------------------|---------------------------------------|
| Customer Class                                                                                                                                | In                                                            | nitial Application                                                                    |                                        |                                                               |                      |                                        | Per                                                           | Board Decision       |                                       |
| Input the name of each customer class.                                                                                                        | Customer /<br>Connections<br>Test Year average<br>or mid-year | <b>kWh</b><br>Annual                                                                  | <b>kW/kVA <sup>(1)</sup></b><br>Annual | Customer /<br>Connections<br>Test Year average<br>or mid-year | <b>kWh</b><br>Annual | <b>kW/kVA <sup>(1)</sup></b><br>Annual | Customer /<br>Connections<br>Test Year average<br>or mid-year | <b>kWh</b><br>Annual | <b>kW/kVA</b> <sup>(1</sup><br>Annual |
| sidential<br>ineral Service < 50 kW<br>ineral Service > 50 kW<br>eet Lights<br>metered Scattered Load<br>ntinel Lights<br>ibedded Distributor | 10,386<br>1,253<br>93<br>2,826<br>31<br>7<br>4                | 92,079,767<br>29,137,274<br>60,741,788<br>2,380,054<br>264,832<br>5,962<br>45,143,217 | 188,540<br>6,476<br>14<br>96,786       |                                                               |                      |                                        |                                                               |                      |                                       |

#### Notes:

(1) Input kW or kVA for those customer classes for which billing is based on demand (kW or kVA) versus energy consumption (kWh)

## Revenue Requirement Workform (RRWF) for 2017 Filers

### **Cost Allocation and Rate Design**

This spreadsheet replaces Appendix 2-P and provides a summary of the results from the Cost Allocation spreadsheet, and is used in the determination of the class revenue requirement and, hence, ultimately, the determination of rates from customers in all classes to recover the revenue requirement.

Stage in Application Process: Initial Application

#### A) Allocated Costs

| Name of Customer Class <sup>(3)</sup><br>From Sheet 10. Load Forecast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      | Allocated from<br>ious Study <sup>(1)</sup>                           | %                                                              | % Allocated Class<br>Revenue Requiremer<br>(1)<br>(7A) |                                                                     | %                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|--|
| 1       Residential         2       General Service < 50 kW         3       General Service > 50 kW         4       Street Lights         5       Unmetered Scattered Load         6       Sentinel Lights         7       Embedded Distributor         8       1         2       3         4       5         5       6         7       8         9       0         1       2         3       4         5       6         7       8         9       0         1       2         3       4         5       6         7       8         9       0         10       1         2       3         4       5         5       6         7       8         9       0         10       1         20       1 | \$ \$ \$ \$ \$ \$ \$ | 2,496,518<br>531,271<br>421,996<br>143,317<br>3,839<br>470<br>127,674 | 67.02%<br>14.26%<br>11.33%<br>3.85%<br>0.10%<br>0.01%<br>3.43% | \$ \$ \$ \$ \$ \$ \$                                   | 2,900,631<br>709,946<br>741,970<br>88,694<br>5,464<br>625<br>65,764 | 64.27%<br>15.73%<br>16.44%<br>1.97%<br>0.12%<br>0.01%<br>1.46% |  |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$                   | 3,725,085                                                             | 100.00%                                                        | \$                                                     | 4,513,093                                                           | 100.00%                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |                                                                       | Service Revenue<br>Requirement (from<br>Sheet 9)               | \$                                                     | 4,513,093.49                                                        |                                                                |  |

(1) Class Allocated Revenue Requirement, from Sheet O-1, Revenue to Cost || RR, row 40, from the Cost Allocation Study in this application. This excludes costs in deferral and variance accounts. For Embedded Distributors, Account 4750 - Low Voltage (LV) Costs are also excluded.

(2) Host Distributors - Provide information on any embedded distributor(s) as a separate class, if applicable. If embedded distributors are billed in a General Service class, include the allocated costs and revenues of the embedded distributor(s) in the applicable class, and also complete Appendix 2-Q.

(3) Customer Classes - If these differ from those in place in the previous cost allocation study, modify the customer classes to match the proposal in the current application as closely as possible.

#### B) Calculated Class Revenues

| Name of Customer Class                                                                                 | Forecast (LF) X<br>rent approved<br>rates | a  | LF X current<br>approved rates X<br>(1+d) |          |           | Miscellaneous<br>Revenues |         |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------|----|-------------------------------------------|----------|-----------|---------------------------|---------|
|                                                                                                        | (7B)                                      |    | (7C)                                      |          | (7D)      |                           | (7E)    |
| 1 Residential                                                                                          | \$<br>2,232,303                           | \$ | 2,652,608                                 | \$       | 2,652,608 | \$                        | 359,182 |
| 2 General Service < 50 kW                                                                              | \$<br>382,867                             | \$ | 454,954                                   | \$       | 564,424   | \$                        | 82,757  |
| 3 General Service > 50 kW                                                                              | \$<br>487,590                             | \$ | 579,395                                   | \$       | 584,316   | \$                        | 92,059  |
| 4 Street Lights                                                                                        | \$<br>113,741                             | \$ | 135,156                                   | \$       | 98,326    | \$                        | 8,107   |
| 5 Unmetered Scattered Load                                                                             | \$<br>2,888                               | \$ | 3,431                                     | \$<br>\$ | 4,435     | \$                        | 546     |
| 6 Sentinel Lights                                                                                      | \$<br>345                                 | \$ | 410                                       | \$       | 510       | \$                        | 59      |
| 7 Embedded Distributor<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br> | \$<br>115,410                             | \$ | 137,140                                   | \$       | 58,476    | \$                        | 7,288   |
| Total                                                                                                  | \$<br>3,335,144                           | \$ | 3,963,096                                 | \$       | 3,963,096 | \$                        | 549,998 |

(4) In columns 7B to 7D, LF means Load Forecast of Annual Billing Quantities (i.e., customers or connections, as applicable X 12 months, and kWh, kW or kVA as applicable. Revenue quantities should be net of the Transformer Ownership Allowance for applicable customer classes. Exclude revenues from rate adders and rate riders.

(5) Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.

(6) Column 7C - The OEB-issued cost allocation model calculates "1+d" on worksheet O-1, cell C22. "d" is defined as Revenue Deficiency/Revenue at Current Rates.

(7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

### C) Rebalancing Revenue-to-Cost Ratios

| Name of Customer Class      | Previously Approved<br>Ratios | Status Quo Ratios | Proposed Ratios  | Policy Range |
|-----------------------------|-------------------------------|-------------------|------------------|--------------|
|                             | Most Recent Year:             | (7C + 7E) / (7A)  | (7D + 7E) / (7A) |              |
|                             | 2012                          |                   |                  |              |
|                             | %                             | %                 | %                | %            |
| 1 Residential               | 97.97%                        | 103.83%           | 103.83%          | 85 - 115     |
| 2 General Service < 50 kW   | 95.04%                        | 75.74%            | 91.16%           |              |
| 3 General Service > 50 kW   | 120.00%                       | 90.50%            | 91.16%           |              |
| 4 Street Lights             | 95.04%                        | 161.52%           | 120.00%          |              |
| 5 Unmetered Scattered Load  | 95.04%                        | 72.79%            | 91.16%           |              |
| 6 Sentinel Lights           | 95.04%                        | 75.23%            | 91.16%           |              |
| 7 Embedded Distributor<br>3 | 100.00%                       | 219.62%           | 100.00%          |              |
| D                           |                               |                   |                  |              |
| 1                           |                               |                   |                  |              |
| 2                           |                               |                   |                  |              |
| 3                           |                               |                   |                  |              |
| 4                           |                               |                   |                  |              |
| 5                           |                               |                   |                  |              |
| 6                           |                               |                   |                  |              |
| 7                           |                               |                   |                  |              |
| 8                           |                               |                   |                  |              |
| 9                           |                               |                   |                  |              |
| 0                           |                               |                   |                  |              |

(8) Previously Approved Revenue-to-Cost (R/C) Ratios - For most applicants, the most recent year would be the third year (at the latest) of the Price Cap IR period. For example, if the applicant, rebased in 2012 with further adjustments to move within the range over two years, the Most Recent Year would be 2015. However, the ratios in 2015 would be equal to those after the adjustment in 2014.

(9) Status Quo Ratios - The OEB-issued cost allocation model provides the Status Quo Ratios on Worksheet O-1. The Status Quo means "Before Rebalancing".

(10) Ratios shown in red are outside of the allowed range. Applies to both Tables C and D.

### (D) Proposed Revenue-to-Cost Ratios (11)

| Name of Customer Class                                                                  | Propos    | ed Revenue-to-Cost Ratio      | Policy Range |          |  |
|-----------------------------------------------------------------------------------------|-----------|-------------------------------|--------------|----------|--|
|                                                                                         | Test Year | Test Year Price Cap IR Period |              |          |  |
|                                                                                         | 2017      | 2018                          | 2019         |          |  |
| 1 Residential                                                                           | 103.83%   | 103.83%                       | 103.83%      | 85 - 115 |  |
| 2 General Service < 50 kW                                                               | 91.16%    | 91.16%                        | 91.16%       |          |  |
| 3 General Service > 50 kW                                                               | 91.16%    | 91.16%                        | 91.16%       |          |  |
| 4 Street Lights                                                                         | 120.00%   | 120.00%                       | 120.00%      |          |  |
| 5 Unmetered Scattered Load                                                              | 91.16%    | 91.16%                        | 91.16%       |          |  |
| 6 Sentinel Lights                                                                       | 91.16%    | 91.16%                        | 91.16%       |          |  |
| 7 Embedded Distributor<br>8<br>9<br>1<br>2<br>3<br>4<br>5<br>5<br>6<br>7<br>8<br>9<br>0 | 100.00%   | 100.00%                       | 100.00%      |          |  |

(11) The applicant should complete Table D if it is applying for approval of a revenue-to-cost ratio in 2017 that is outside of the OEB's policy range for any customer class. Table D will show that the distributor is likely to enter into the 2018 and 2019 Price Cap IR models, as necessary. For 2018 and 2019, enter the planned revenue-to-cost ratios that will be "Change" or "No Change" in 2017 (in the current Revenue/Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision - Cost Revenue Adjustment, column d), and enter TBD for class(es) that will be entered as 'Rebalance'.

## Revenue Requirement Workform (RRWF) for 2017 Filers

### New Rate Design Policy For Residential Customers

Please complete the following tables.

A Data Inputs (from Sheet 10. Load Forecast)

| Test Mean Dilling Determinents (                     |         |              |  |  |  |  |  |  |
|------------------------------------------------------|---------|--------------|--|--|--|--|--|--|
| Test Year Billing Determinants for Residential Class |         |              |  |  |  |  |  |  |
| Customers                                            |         | 10,386       |  |  |  |  |  |  |
| kWh                                                  |         | 92,079,767   |  |  |  |  |  |  |
|                                                      |         |              |  |  |  |  |  |  |
| Proposed Residential Class Specific                  | \$      | 2,652,608.40 |  |  |  |  |  |  |
| Revenue Requirement <sup>1</sup>                     |         |              |  |  |  |  |  |  |
|                                                      |         |              |  |  |  |  |  |  |
| Residential Base Rates on                            | Current | Tariff       |  |  |  |  |  |  |
| Monthly Fixed Charge (\$)                            | \$      | 15.84        |  |  |  |  |  |  |
| Distribution Volumetric Rate (\$/kWh)                | \$      | 0.0074       |  |  |  |  |  |  |

### B Current Fixed/Variable Split

|          | Base Rates  | Billing Determinants | Revenue            | % of Total Revenue |
|----------|-------------|----------------------|--------------------|--------------------|
| Fixed    | 15.83981758 | 10,386               | \$<br>1,974,223.88 | 74.43%             |
| Variable | 0.007367357 | 92,079,767           | \$<br>678,384.52   | 25.57%             |
| TOTAL    | -           | -                    | \$<br>2,652,608.40 | -                  |

### C Calculating Test Year Base Rates

| Number of Remaining Rate Design Policy<br>Transition Years <sup>2</sup> | 3                                        |                                             |                                                                 |  |  |  |  |
|-------------------------------------------------------------------------|------------------------------------------|---------------------------------------------|-----------------------------------------------------------------|--|--|--|--|
|                                                                         | Test Year Revenue @<br>Current F/V Split | Test Year Base Rates<br>@ Current F/V Split | Reconciliation - Test<br>Year Base Rates @<br>Current F/V Split |  |  |  |  |
| Fixed                                                                   | \$ 1,974,223.88                          | 15.84                                       | \$ 1,974,246.62                                                 |  |  |  |  |
| Variable                                                                | \$ 678,384.52                            | 0.0074                                      | \$ 681,390.28                                                   |  |  |  |  |
| TOTAL                                                                   | \$ 2,652,608.40                          | -                                           | \$ 2,655,636.89                                                 |  |  |  |  |

|          |               |    |              |    |            |    | Revenue          |  |  |  |
|----------|---------------|----|--------------|----|------------|----|------------------|--|--|--|
|          |               |    |              |    |            |    | Reconciliation @ |  |  |  |
|          | New F/V Split |    | F/V Split    |    | Base Rates |    | Adjusted Rates   |  |  |  |
| Fixed    | 82.95%        | \$ | 2,200,352.05 | \$ | 17.65      | \$ | 2,199,839.19     |  |  |  |
| Variable | 17.05%        | \$ | 452,256.35   | \$ | 0.0049     | \$ | 451,190.86       |  |  |  |
| TOTAL    | -             | \$ | 2,652,608.40 |    | -          | \$ | 2,651,030.05     |  |  |  |

| Checks <sup>3</sup>               |              |
|-----------------------------------|--------------|
| Change in Fixed Rate              | \$<br>1.81   |
| Difference Between Revenues @     | (\$1,578.35) |
| Proposed Rates and Class Specific | -0.06%       |

Notes:

- <sup>1</sup> The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- <sup>2</sup> The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- <sup>3</sup> Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

### Revenue Requirement Workform (RRWF) for 2017 Filers

#### Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and voluentric rates based on the allocated class revenues and fixed/variable split resulting from the cost allocation study and rate design and as proposed by the applicant. However, the RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF provides a demonstrative check on the derivation of the revenue requirement and on the proposed base distribution rates to recover the revenue requirement, based on summary information from a more detailed rate generator model and other models that applicants use for cost allocation, load forecasting, taxes/PLLs, etc.

|    | Stage in Process:                                                                                                                                          |                                         | li                                                                                                                                        | nitial Application                                                                                             |                                                                                                                                   |     | Clas               | s Allocate                    | Reven                               | lues           |                                                     |                                                                     |                                                                   |                            |    |                                                                            | Distr              | ibution Rates                                                                    |                    |                    | Re                                                                                                                                                                                     | venue Reconciliati                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | on                   |                   |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|-------------------------------|-------------------------------------|----------------|-----------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------|----|----------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------|--------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|
|    |                                                                                                                                                            | Customer and Lo                         | ad Forecast                                                                                                                               |                                                                                                                |                                                                                                                                   | Fro | om Sheet 11<br>Res | . Cost Allo<br>idential R     |                                     |                | 12.                                                 | Percentage to                                                       | riable Splits <sup>2</sup><br>b be entered as a<br>tween 0 and 1  |                            |    |                                                                            |                    |                                                                                  |                    |                    |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |
|    | Customer Class                                                                                                                                             | Volumetric<br>Charge                    | Customers /                                                                                                                               | kWh                                                                                                            | kW or kVA                                                                                                                         |     | al Class<br>venue  | Month<br>Servi                |                                     | Volum          | etric                                               | Fixed                                                               | Variable                                                          | Transformer<br>Ownership   |    | Ionthly Service                                                            | -                  | Vol                                                                              | lumetric Rat       |                    |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Revenue:<br>Transfor | rmer              |
|    | From sheet 10. Load Forecast                                                                                                                               | Determinant                             | Connections                                                                                                                               |                                                                                                                |                                                                                                                                   |     | irement            | Charg                         |                                     | , ordani       |                                                     |                                                                     |                                                                   | Allowance <sup>1</sup> (\$ | 5) |                                                                            | No. of<br>decimals | Rate                                                                             |                    | No. of<br>decimals | MSC Revenues                                                                                                                                                                           | Volumetric<br>revenues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Owners<br>Allowa     |                   |
| 5  | Residential<br>General Service - 50 KW<br>General Service - 50 KW<br>Street Lights<br>Unmetered Scattered Load<br>Sentinet Lights<br>Ernbedded Distributor | KWh<br>KW<br>KW<br>KW<br>KW<br>KW<br>KW | 10.386<br>1.253<br>933<br>2.826<br>31<br>7<br>4<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 92.079.767<br>28,137.274<br>60,741,788<br>2,380,054<br>264,832<br>5,962<br>45,143,217<br>-<br>-<br>-<br>-<br>- | 188,540<br>6,476<br>- 14<br>96,786<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | \$  | 4,435<br>510       | \$ 248<br>\$ 34<br>\$ 3<br>\$ | ,653<br>,840<br>,294<br>,662<br>388 | \$ 21<br>\$ 33 | 2,256<br>4,772<br>5,476<br>4,033<br>773<br>122<br>- | 82,95%<br>61,95%<br>42,59%<br>34,88%<br>82,58%<br>76,13%<br>100,00% | 17.05%<br>38.05%<br>57.41%<br>65.12%<br>17.42%<br>23.87%<br>0.00% | \$ 18,461                  | 1  | \$17.65<br>\$22.25<br>\$224.18<br>\$1.01<br>\$9.84<br>\$4.62<br>\$1,218.25 | 2                  | \$0.0049<br>\$0.0074<br>\$1.8772<br>\$9.8880<br>\$0.0029<br>\$8.6956<br>\$0.0000 | /kW<br>/kWh<br>/kW | 4                  | \$ 2,198,333,19<br>3 436,679,73<br>5 3424,839,80<br>5 342,450,66<br>5 342,450,66<br>5 342,450,66<br>5 342,450,66<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 - | \$ 45.100.8584           \$ 215.615.8240           \$ 215.615.8240           \$ 40.32.7705           \$ 768.0140           \$ 121.7384           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$           \$ -\$ | \$ 4,4<br>\$ 5       | 95.56             |
|    |                                                                                                                                                            |                                         |                                                                                                                                           |                                                                                                                |                                                                                                                                   |     |                    |                               |                                     |                | т                                                   | otal Transformer O                                                  | wnership Allowance                                                | \$ 18,461                  | 1  |                                                                            |                    |                                                                                  |                    |                    | Total Distribution Rev                                                                                                                                                                 | renues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$ 3,962,3           | 24.57             |
| No | es:                                                                                                                                                        |                                         |                                                                                                                                           |                                                                                                                |                                                                                                                                   |     |                    |                               |                                     |                |                                                     |                                                                     |                                                                   |                            |    |                                                                            |                    | Rates recover                                                                    | revenue requ       | uirement           | Base Revenue Requir                                                                                                                                                                    | ement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$ 3,963,0           | 95.65             |
|    | Transformer Ownership Allowance is                                                                                                                         | entered as a positive a                 | mount, and only for t                                                                                                                     | those classes to wh                                                                                            | nich it applies.                                                                                                                  |     |                    |                               |                                     |                |                                                     |                                                                     |                                                                   |                            |    |                                                                            |                    |                                                                                  |                    |                    | Difference<br>% Difference                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | 771.08)<br>0.019% |

<sup>2</sup> The Fixed/Variable split, for each customer class, drives the "rate generator" portion of this sheet of the RRWF. Only the "fixed" fraction is entered, as the sum of the "fixed" and "variable" portions must sum to 100%. For a distributor that may set the Monthly Service Charge, the "fixed" ratio is calcutated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

### Contario Energy Board Revenue Requirement Workform (RRWF) for 2017 Filers

### **Tracking Form**

The first row shown, labelled "Original Application", summarizes key statistics based on the data inputs into the RRWF. After the original application filing, the applicant provides key changes in capital and operating expenses, load forecasts, cost of capital, etc., as revised through the processing of the application. This could be due to revisions or responses to interrogatories. The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

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

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

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

### Summary of Proposed Changes

|                          |                                   | Cost                              | of Capital                     | Rate Bas      | e and Capital Exp | enditures                         | Оре                            | rating Expense | s            | Revenue Requirement               |                   |                             |            |  |
|--------------------------|-----------------------------------|-----------------------------------|--------------------------------|---------------|-------------------|-----------------------------------|--------------------------------|----------------|--------------|-----------------------------------|-------------------|-----------------------------|------------|--|
| Reference <sup>(1)</sup> | Item / Description <sup>(2)</sup> | Regulated<br>Return on<br>Capital | Regulated<br>Rate of<br>Return | Rate Base     | Working Capital   | Working Capital<br>Allowance (\$) | Amortization /<br>Depreciation | Taxes/PILs     | OM&A         | Service<br>Revenue<br>Requirement | Other<br>Revenues | Base Revenue<br>Requirement |            |  |
|                          | Original Application              | \$ 647,31                         | 5.39%                          | \$ 12,000,666 | \$ 29,579,669     | \$ 2,218,475                      | \$ 338,871                     | \$-            | \$ 3,509,496 | \$ 4,513,093                      | \$ 549,998        | \$ 3,963,096                | \$ 627,952 |  |
|                          |                                   |                                   |                                |               |                   |                                   |                                |                |              |                                   |                   |                             |            |  |