Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

Version 5.00

| | |
|---|---|
| **Utility Name** | Essex Powerlines Corporation |
| **Assigned EB Number** | EB-2014-0301 |
| **Name and Title** | Richard Dimmel, VP Regulatory Affairs |
| **Phone Number** | 519-737-9811 ext 214 |
| **Email Address** | rdimmel@essexpowerlines.ca |
| **Date** | December 17,2014 |
| **Last COS Re-based Year** | **2010** |

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



***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. The use of any models and spreadsheets does not automatically imply Board approval. The onus is on the distributor to prepare, document and support its application. Board-issued Excel models and spreadsheets are offered to assist parties in providing the necessary information so as to facilitate an expeditious review of an application. The onus remains on the applicant to ensure the accuracy of the data and the results.***

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## Smart Meter Capital Cost and Operational Expense Data

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| **Smart Meter Installation Plan** | | | | | | | | | | | |
| **Actual/Planned number of Smart Meters installed during the Calendar Year** | | | | | | | | | | | |
| Residential | | | 208 | 14,819 | 10,842 | 162 | 35 | 279 | 225 | 225 | 26795 |
| General Service < 50 kW | | | 17 | 489 | 685 | 700 | 9 | | 60 | 20 | 1980 |
| Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only) | 0 | 0 | 225 | 15308 | 11527 | 862 | 44 | 279 | 285 | 245 | 28775 |
| Percentage of Residential and GS < 50 kW Smart Meter Installations Completed | 0.00% | 0.00% | 0.78% | 53.98% | 94.04% | 97.04% | 97.19% | 98.16% | 99.15% | 99.22% | 100.00% |
| Actual/Planned number of GS > 50 kW meters installed | | | | | | | | | | | 0 |
| Other (please identify) | | | | | | | | | | | 0 |
| Total Number of Smart Meters installed or planned to be installed | 0 | 0 | 225 | 15308 | 11527 | 862 | 44 | 279 | 285 | 245 | 28775 |

### 1 Capital Costs

| 1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD) | Asset Type (Asset type must be selected to enable calculations) | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.1.1 Smart Meters *(may include new meters and modules, etc.)* | Smart Meter | | | 38,675 | 1,317,702 | 1,148,728 | 328,227 | 4,782 | 29,295 | 31,005 | 26,085 | $ 2,924,499 |
| 1.1.2 Installation Costs *(may include socket kits, labour, vehicle, benefits, etc.)* | Smart Meter | | | 4,009 | 15,995 | 31,242 | 34,558 | | | | | $ 85,804 |
| 1.1.3a Workforce Automation Hardware *(may include fieldwork handhelds, barcode hardware, etc.)* | Computer Hardware | | | 8,483 | | 20,792 | | | | | | $ 29,275 |
| 1.1.3b Workforce Automation Software *(may include fieldwork handhelds, barcode hardware, etc.)* | Computer Software | | | | 35,340 | 7,822 | 3,511 | | | | | $ 46,673 |
| **Total Advanced Metering Communications Devices (AMCD)** | | $ - | $ - | $ 51,167 | $ 1,369,037 | $ 1,208,584 | $ 366,296 | $ 4,782 | $ 29,295 | $ 31,005 | $ 26,085 | $ 3,086,251 |

| 1.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN) | Asset Type | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.2.1 Collectors | Smart Meter | | | | | 107,023 | | | | | | $ 107,023 |
| 1.2.2 Repeaters *(may include radio licence, etc.)* | | | | | | | | | | | | $ - |
| 1.2.3 Installation *(may include meter seals and rings, collector computer hardware, etc.)* | Smart Meter | | | | | 12,459 | | | | | | $ 12,459 |
| **Total Advanced Metering Regional Collector (AMRC) (Includes LAN)** | | $ - | $ - | $ - | $ - | $ 119,482 | $ - | $ - | $ - | $ - | $ - | $ 119,482 |

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**Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.**

**For 2014, distributors that have completed their deployments by the end of 2013 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2014, distributors should enter the forecasted OM&A for 2014 for all smart meters in service.**

| | Asset Type | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)** | | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| 1.3.1 Computer Hardware | | | | | | | | | | | | $ - |
| 1.3.2 Computer Software | | | | | | | | | | | | $ - |
| 1.3.3 Computer Software Licences & Installation (includes hardware and software) *(may include AS/400 disk space, backup and recovery computer, UPS, etc.)* | | | | | | | | | | | | $ - |
| **Total Advanced Metering Control Computer (AMCC)** | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **1.4 WIDE AREA NETWORK (WAN)** | **Asset Type** | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| 1.4.1 Activiation Fees | Smart Meter | | | | | 25,308 | | | | | | $ 25,308 |
| **Total Wide Area Network (WAN)** | | $ - | $ - | $ - | $ - | $ 25,308 | $ - | $ - | $ - | $ - | $ - | $ 25,308 |
| **1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY** | **Asset Type** | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| 1.5.1 Customer Equipment *(including repair of damaged equipment)* | Smart Meter | | | 17,098 | 11,335 | | | | | | | $ 28,433 |
| 1.5.2 AMI Interface to CIS | | | | | | | | | | | | $ - |
| 1.5.3 Professional Fees | Smart Meter | | | | 6,210 | | | | | | | $ 6,210 |
| 1.5.4 Integration | | | | | | | | | | | | $ - |
| 1.5.5 Program Management | Smart Meter | | | | 50,337 | 34,278 | | | | | | $ 84,615 |
| 1.5.6 Other AMI Capital | | | | | | | | | | | | $ - |
| **Total Other AMI Capital Costs Related to Minimum Functionality** | | $ - | $ - | $ 17,098 | $ 67,882 | $ 34,278 | $ - | $ - | $ - | $ - | $ - | $ 119,258 |
| **Total Capital Costs Related to Minimum Functionality** | | $ - | $ - | $ 68,265 | $ 1,436,919 | $ 1,387,652 | $ 366,296 | $ 4,782 | $ 29,295 | $ 31,005 | $ 26,085 | $ 3,350,299 |
| **1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY** *(Please provide a descriptive title and identify nature of beyond minimum functionality costs)* | **Asset Type** | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| 1.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06 | | | | | | | | | | | | $ - |
| 1.6.2 Costs for deployment of smart meters to customers other than residential and small general service | | | | | | | | | | | | $ - |
| 1.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc. | Computer Software | | | | | 3,791 | | | | | | $ 3,791 |
| **Total Capital Costs Beyond Minimum Functionality** | | $ - | $ - | $ - | $ - | $ 3,791 | $ - | $ - | $ - | $ - | $ - | $ 3,791 |
| **Total Smart Meter Capital Costs** | | $ - | $ - | $ 68,265 | $ 1,436,919 | $ 1,391,443 | $ 366,296 | $ 4,782 | $ 29,295 | $ 31,005 | $ 26,085 | $ 3,354,090 |

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# Smart Meter Model for Electricity Distributors

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**Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.**

**For 2014, distributors that have completed their deployments by the end of 2013 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2014, distributors should enter the forecasted OM&A for 2014 for all smart meters in service.**

| | | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2 OM&A Expenses** | | | | | | | | | | | | |
| 2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD) | | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| 2.1.1 Maintenance *(may include meter reverification costs, etc.)* | | | | 106 | 2,500 | 2,248 | 19,338 | 0 | 3,581 | 500 | 500 | $ 28,773 |
| 2.1.2 Other *(please specify)* | Repairs and replacement for defective meters | | | | | | | 4,420 | 15,551 | 28,180 | 21,866 | $ 70,017 |
| **Total Incremental AMCD OM&A Costs** | | $ - | $ - | $ 106 | $ 2,500 | $ 2,248 | $ 19,338 | $ 4,420 | $ 19,132 | $ 28,680 | $ 22,366 | $ 98,790 |
| 2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN) | | | | | | | | | | | | |
| 2.2.1 Maintenance | | | | | | 577 | | | | | | $ 577 |
| 2.2.2 Other *(please specify)* | | | | 2,198 | 2,418 | | | | | | | $ 4,616 |
| **Total Incremental AMRC OM&A Costs** | | $ - | $ - | $ 2,198 | $ 2,418 | $ 577 | $ - | $ - | $ - | $ - | $ - | $ 5,193 |
| 2.3 ADVANCED METERING CONTROL COMPUTER (AMCC) | | | | | | | | | | | | |
| 2.3.1 Hardware Maintenance *(may include server support, etc.)* | | | | | | | | | | | | $ - |
| 2.3.2 Software Maintenance *(may include maintenance support, etc.)* | | | | | | | | | | | | $ - |
| 2.3.2 Other *(please specify)* | | | | | | | | | | | | $ - |
| **Total Incremental AMCC OM&A Costs** | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **2.4 WIDE AREA NETWORK (WAN)** | | | | | | | | | | | | |
| 2.4.1 WAN Maintenance | | | | | | | | | | | | $ - |
| 2.4.2 Other *(please specify)* | | | | | | | | | | | | $ - |
| **Total Incremental AMRC OM&A Costs** | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY** | | | | | | | | | | | | |
| 2.5.1 Business Process Redesign | | | | | | | | | | | | $ - |
| 2.5.2 Customer Communication (may include project communication, etc.) | | | | | 1,611 | | 8,525 | | | | | $ 10,136 |
| 2.5.3 Program Management | | | | | | | | | | | | $ - |
| 2.5.4 Change Management (may include training, etc.) | | | | 1,179 | 169 | 4,357 | 1,160 | | | | | $ 6,865 |
| 2.5.5 Administration Costs | | | | | | | | | | | | $ - |
| 2.5.6 Other AMI Expenses *(please specify)* | | | | | 6,395 | 7,195 | | | | | | $ 13,590 |
| **Total Other AMI OM&A Costs Related to Minimum Functionality** | | $ - | $ - | $ 1,179 | $ 8,175 | $ 11,552 | $ 9,685 | $ - | $ - | $ - | $ - | $ 30,591 |
| **TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY** | | $ - | $ - | $ 3,483 | $ 13,093 | $ 14,377 | $ 29,023 | $ 4,420 | $ 19,132 | $ 28,680 | $ 22,366 | $ 134,574 |
| **2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY** *(Please provide a descriptive title and identify nature of beyond minimum functionality costs)* | | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Forecast | Forecast | |
| 2.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06 | | | | | | | | | | | | $ - |
| 2.6.2 Costs for deployment of smart meters to customers other than residential and small general service | | | | | | | | | | | | $ - |

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| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc. | | | 4,160 | 8,819 | 17,462 | | | | | | $ 30,441 |
| **Total OM&A Costs Beyond Minimum Functionality** | $ - | $ - | $ 4,160 | $ 8,819 | $ 17,462 | $ - | $ - | $ - | $ - | $ - | $ 30,441 |
| **Total Smart Meter OM&A Costs** | $ - | $ - | $ 7,643 | $ 21,912 | $ 31,839 | $ 29,023 | $ 4,420 | $ 19,132 | $ 28,680 | $ 22,366 | $ 165,015 |

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## 3 Aggregate Smart Meter Costs by Category

| | | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **3.1** | **Capital** | | | | | | | | | | | |
| 3.1.1 | Smart Meter | $ - | $ - | $ 59,782 | $ 1,401,579 | $ 1,359,038 | $ 362,785 | $ 4,782 | $ 29,295 | $ 31,005 | $ 26,085 | $ 3,274,351 |
| 3.1.2 | Computer Hardware | $ - | $ - | $ 8,483 | $ - | $ 20,792 | $ - | $ - | $ - | $ - | $ - | $ 29,275 |
| 3.1.3 | Computer Software | $ - | $ - | $ - | $ 35,340 | $ 11,613 | $ 3,511 | $ - | $ - | $ - | $ - | $ 50,464 |
| 3.1.4 | Tools & Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 3.1.5 | Other Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 3.1.6 | Applications Software | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **3.1.7** | **Total Capital Costs** | **$ -** | **$ -** | **$ 68,265** | **$ 1,436,919** | **$ 1,391,443** | **$ 366,296** | **$ 4,782** | **$ 29,295** | **$ 31,005** | **$ 26,085** | **$ 3,354,090** |
| **3.2** | **OM&A Costs** | | | | | | | | | | | |
| **3.2.1** | **Total OM&A Costs** | **$ -** | **$ -** | **$ 7,643** | **$ 21,912** | **$ 31,839** | **$ 29,023** | **$ 4,420** | **$ 19,132** | **$ 28,680** | **$ 22,366** | **$ 165,015** |

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| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cost of Capital** | | | | | | | | | | |
| **Capital Structure**[1] | | | | | | | | | | |
| Deemed Short-term Debt Capitalization | | | | | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% |
| Deemed Long-term Debt Capitalization | 50.0% | 50.0% | 53.3% | 56.7% | 56.0% | 56.0% | 56.0% | 56.0% | 56.0% | 56.0% |
| Deemed Equity Capitalization | 50.0% | 50.0% | 46.7% | 43.3% | 40.0% | 40.0% | 40.0% | 40.0% | 40.0% | 40.0% |
| Preferred Shares | | | | | | | | | | |
| **Total** | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| | | | | | | | | | | |
| **Cost of Capital Parameters** | | | | | | | | | | |
| Deemed Short-term Debt Rate | | | 0.00% | 0.00% | 2.07% | 2.07% | 2.07% | 2.07% | 2.07% | 2.07% |
| Long-term Debt Rate (actual/embedded/deemed)[2] | 6.45% | 6.45% | 6.45% | 6.45% | 5.40% | 5.40% | 5.40% | 5.40% | 5.40% | 5.40% |
| Target Return on Equity (ROE) | 9.0% | 9.00% | 9.00% | 9.00% | 9.85% | 9.85% | 9.85% | 9.85% | 9.85% | 9.85% |
| Return on Preferred Shares | | | | | | | | | | |
| **WACC** | 7.73% | 7.73% | 7.64% | 7.55% | 7.05% | 7.05% | 7.05% | 7.05% | 7.05% | 7.05% |
| | | | | | | | | | | |
| **Working Capital Allowance** | | | | | | | | | | |
| Working Capital Allowance Rate | | | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% |
| *(% of the sum of Cost of Power + controllable expenses)* | | | | | | | | | | |
| | | | | | | | | | | |
| **Taxes/PILs** | | | | | | | | | | |
| Aggregate Corporate Income Tax Rate | 36.12% | 36.12% | 33.50% | 33.00% | 31.00% | 25.34% | 23.55% | 23.70% | 23.70% | 23.70% |
| Capital Tax (until July 1st, 2010) | 0.30% | 0.225% | 0.225% | 0.225% | 0.075% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

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| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Depreciation Rates** | | | | | | | | | | |
| *(expressed as expected useful life in years)* | | | | | | | | | | |
| Smart Meters - years | | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| - rate (%) | 0.00% | 0.00% | 6.67% | 6.67% | 6.67% | 6.67% | 6.67% | 6.67% | 6.67% | 6.67% |
| Computer Hardware - years | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| - rate (%) | 0.00% | 0.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% |
| Computer Software - years | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| - rate (%) | 0.00% | 0.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% |
| Tools & Equipment - years | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| - rate (%) | 0.00% | 0.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Other Equipment - years | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| - rate (%) | 0.00% | 0.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| **CCA Rates** | | | | | | | | | | |
| Smart Meters - CCA Class | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| Smart Meters - CCA Rate | | | 8% | 8% | 8% | 8% | 8% | 8% | 8% | 8% |
| Computer Equipment - CCA Class | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Computer Equipment - CCA Rate | | | 55% | 55% | 55% | 55% | 55% | 55% | 55% | 55% |
| General Equipment - CCA Class | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| General Equipment - CCA Rate | | | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
| Applications Software - CCA Class | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Applications Software - CCA Rate | | | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

***Assumptions***

[1] *Planned smart meter installations occur evenly throughout the year.*

[2] *Fiscal calendar year (January 1 to December 31) used.*

3 *Amortization is done on a striaght line basis and has the "half-year" rule applied.*

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| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Net Fixed Assets - Smart Meters** | | | | | | | | | | |
| **Gross Book Value** | | | | | | | | | | |
| Opening Balance | | $ - | $ - | $ 59,782 | $ 1,461,361 | $ 2,820,399 | $ 3,183,184 | $ 3,187,966 | $ 3,217,261 | $ 3,248,266 |
| Capital Additions during year (from Smart Meter Costs) | $ - | $ - | $ 59,782 | $ 1,401,579 | $ 1,359,038 | $ 362,785 | $ 4,782 | $ 29,295 | $ 31,005 | $ 26,085 |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ 59,782 | $ 1,461,361 | $ 2,820,399 | $ 3,183,184 | $ 3,187,966 | $ 3,217,261 | $ 3,248,266 | $ 3,274,351 |
| **Accumulated Depreciation** | | | | | | | | | | |
| Opening Balance | | $ - | $ - | -$ 1,993 | -$ 52,698 | -$ 195,423 | -$ 395,542 | -$ 607,914 | -$ 821,422 | -$ 1,036,939 |
| Amortization expense during year | $ - | $ - | -$ 1,993 | -$ 50,705 | -$ 142,725 | -$ 200,119 | -$ 212,372 | -$ 213,508 | -$ 215,518 | -$ 217,421 |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | -$ 1,993 | -$ 52,698 | -$ 195,423 | -$ 395,542 | -$ 607,914 | -$ 821,422 | -$ 1,036,939 | -$ 1,254,360 |
| **Net Book Value** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ 57,789 | $ 1,408,664 | $ 2,624,976 | $ 2,787,642 | $ 2,580,052 | $ 2,395,840 | $ 2,211,327 |
| Closing Balance | $ - | $ - | $ 57,789 | $ 1,408,664 | $ 2,624,976 | $ 2,787,642 | $ 2,580,052 | $ 2,395,840 | $ 2,211,327 | $ 2,019,991 |
| Average Net Book Value | $ - | $ - | $ 28,895 | $ 733,226 | $ 2,016,820 | $ 2,706,309 | $ 2,683,847 | $ 2,487,946 | $ 2,303,583 | $ 2,115,659 |
| **Net Fixed Assets - Computer Hardware** | | | | | | | | | | |
| **Gross Book Value** | | | | | | | | | | |
| Opening Balance | | $ - | $ - | $ 8,483 | $ 8,483 | $ 29,275 | $ 29,275 | $ 29,275 | $ 29,275 | $ 29,275 |
| Capital Additions during year (from Smart Meter Costs) | $ - | $ - | $ 8,483 | $ - | $ 20,792 | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ 8,483 | $ 8,483 | $ 29,275 | $ 29,275 | $ 29,275 | $ 29,275 | $ 29,275 | $ 29,275 |
| **Accumulated Depreciation** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | -$ 848 | -$ 2,545 | -$ 6,321 | -$ 12,176 | -$ 18,031 | -$ 23,886 | -$ 29,275 |
| Amortization expense during year | $ - | $ - | -$ 848 | -$ 1,697 | -$ 3,776 | -$ 5,855 | -$ 5,855 | -$ 5,855 | -$ 5,389 | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | -$ 848 | -$ 2,545 | -$ 6,321 | -$ 12,176 | -$ 18,031 | -$ 23,886 | -$ 29,275 | -$ 29,275 |
| **Net Book Value** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ 7,635 | $ 5,938 | $ 22,954 | $ 17,099 | $ 11,244 | $ 5,389 | $ - |
| Closing Balance | $ - | $ - | $ 7,635 | $ 5,938 | $ 22,954 | $ 17,099 | $ 11,244 | $ 5,389 | $ - | $ - |
| Average Net Book Value | $ - | $ - | $ 3,817 | $ 6,786 | $ 14,446 | $ 20,027 | $ 14,172 | $ 8,317 | $ 2,695 | $ - |

# Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Net Fixed Assets - Computer Software (including Applications Software)** | | | | | | | | | | |
| **Gross Book Value** | | | | | | | | | | |
| Opening Balance | | $ - | $ - | $ - | $ 35,340 | $ 46,953 | $ 50,464 | $ 50,464 | $ 50,464 | $ 50,464 |
| Capital Additions during year (from Smart Meter Costs) | $ - | $ - | $ - | $ 35,340 | $ 11,613 | $ 3,511 | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ - | $ 35,340 | $ 46,953 | $ 50,464 | $ 50,464 | $ 50,464 | $ 50,464 | $ 50,464 |
| **Accumulated Depreciation** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ - | -$ 3,534 | -$ 11,763 | -$ 21,505 | -$ 31,598 | -$ 41,691 | -$ 50,464 |
| Amortization expense during year | $ - | $ - | $ - | -$ 3,534 | -$ 8,229 | -$ 9,742 | -$ 10,093 | -$ 10,093 | -$ 8,773 | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ - | -$ 3,534 | -$ 11,763 | -$ 21,505 | -$ 31,598 | -$ 41,691 | -$ 50,464 | -$ 50,464 |
| **Net Book Value** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ - | $ 31,806 | $ 35,190 | $ 28,959 | $ 18,866 | $ 8,773 | $ - |
| Closing Balance | $ - | $ - | $ - | $ 31,806 | $ 35,190 | $ 28,959 | $ 18,866 | $ 8,773 | $ - | $ - |
| Average Net Book Value | $ - | $ - | $ - | $ 15,903 | $ 33,498 | $ 32,074 | $ 23,913 | $ 13,820 | $ 4,387 | $ - |
| **Net Fixed Assets - Tools and Equipment** | | | | | | | | | | |
| **Gross Book Value** | | | | | | | | | | |
| Opening Balance | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Capital Additions during year (from Smart Meter Costs) | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Accumulated Depreciation** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Amortization expense during year | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Net Book Value** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Closing Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Average Net Book Value | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Net Fixed Assets - Other Equipment** | | | | | | | | | | |
| **Gross Book Value** | | | | | | | | | | |
| Opening Balance | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Capital Additions during year (from Smart Meter Costs) | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Accumulated Depreciation** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Amortization expense during year | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| Closing Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Net Book Value** | | | | | | | | | | |
| Opening Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Closing Balance | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Average Net Book Value | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

2015 Filers

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Average Net Fixed Asset Values (from Sheet 4)** | | | | | | | | | | |
| Smart Meters | $ - | $ - | $ 28,895 | $ 733,226 | $ 2,016,820 | $ 2,706,309 | $ 2,683,847 | $ 2,487,946 | $ 2,303,583 | $ 2,115,659 |
| Computer Hardware | $ - | $ - | $ 3,817 | $ 6,786 | $ 14,446 | $ 20,027 | $ 14,172 | $ 8,317 | $ 2,695 | $ - |
| Computer Software | $ - | $ - | $ - | $ 15,903 | $ 33,498 | $ 32,074 | $ 23,913 | $ 13,820 | $ 4,387 | $ - |
| Tools & Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Other Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Total Net Fixed Assets** | **$ -** | **$ -** | **$ 32,712** | **$ 755,916** | **$ 2,064,764** | **$ 2,758,410** | **$ 2,721,931** | **$ 2,510,082** | **$ 2,310,665** | **$ 2,115,659** |
| **Working Capital** | | | | | | | | | | |
| Operating Expenses (from Sheet 2) | $ - | $ - | $ 7,643 | $ 21,912 | $ 31,839 | $ 29,023 | $ 4,420 | $ 19,132 | $ 28,680 | $ 22,366 |
| Working Capital Factor (from Sheet 3) | 0% | 0% | 15% | 15% | 15% | 15% | 15% | 15% | 15% | 15% |
| Working Capital Allowance | $ - | $ - | $ 1,146 | $ 3,287 | $ 4,776 | $ 4,353 | $ 663 | $ 2,870 | $ 4,302 | $ 3,355 |
| **Incremental Smart Meter Rate Base** | **$ -** | **$ -** | **$ 33,858** | **$ 759,203** | **$ 2,069,540** | **$ 2,762,764** | **$ 2,722,594** | **$ 2,512,952** | **$ 2,314,967** | **$ 2,119,014** |
| **Return on Rate Base** | | | | | | | | | | |
| ***Capital Structure*** | | | | | | | | | | |
| Deemed Short Term Debt | $ - | $ - | $ - | $ - | $ 82,782 | $ 110,511 | $ 108,904 | $ 100,518 | $ 92,599 | $ 84,761 |
| Deemed Long Term Debt | $ - | $ - | $ 18,047 | $ 430,468 | $ 1,158,942 | $ 1,547,148 | $ 1,524,653 | $ 1,407,253 | $ 1,296,381 | $ 1,186,648 |
| Equity | $ - | $ - | $ 15,812 | $ 328,735 | $ 827,816 | $ 1,105,105 | $ 1,089,038 | $ 1,005,181 | $ 925,987 | $ 847,606 |
| Preferred Shares | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total Capitalization | $ - | $ - | $ 33,858 | $ 759,203 | $ 2,069,540 | $ 2,762,764 | $ 2,722,594 | $ 2,512,952 | $ 2,314,967 | $ 2,119,014 |
| ***Return on*** | | | | | | | | | | |
| Deemed Short Term Debt | $ - | $ - | $ - | $ - | $ 1,714 | $ 2,288 | $ 2,254 | $ 2,081 | $ 1,917 | $ 1,755 |
| Deemed Long Term Debt | $ - | $ - | $ 1,164 | $ 27,765 | $ 62,583 | $ 83,546 | $ 82,331 | $ 75,992 | $ 70,005 | $ 64,079 |
| Equity | $ - | $ - | $ 1,423 | $ 29,586 | $ 81,540 | $ 108,853 | $ 107,270 | $ 99,010 | $ 91,210 | $ 83,489 |
| Preferred Shares | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Total Return on Capital** | $ - | $ - | $ 2,587 | $ 57,351 | $ 145,836 | $ 194,686 | $ 191,856 | $ 177,083 | $ 163,131 | $ 149,323 |
| **Operating Expenses** | $ - | $ - | $ 7,643 | $ 21,912 | $ 31,839 | $ 29,023 | $ 4,420 | $ 19,132 | $ 28,680 | $ 22,366 |
| **Amortization Expenses (from Sheet 4)** | | | | | | | | | | |
| Smart Meters | $ - | $ - | $ 1,993 | $ 50,705 | $ 142,725 | $ 200,119 | $ 212,372 | $ 213,508 | $ 215,518 | $ 217,421 |
| Computer Hardware | $ - | $ - | $ 848 | $ 1,697 | $ 3,776 | $ 5,855 | $ 5,855 | $ 5,855 | $ 5,389 | $ - |
| Computer Software | $ - | $ - | $ - | $ 3,534 | $ 8,229 | $ 9,742 | $ 10,093 | $ 10,093 | $ 8,773 | $ - |
| Tools & Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Other Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| **Total Amortization Expense in Year** | $ - | $ - | $ 2,841 | $ 55,935 | $ 154,730 | $ 215,716 | $ 228,319 | $ 229,455 | $ 229,680 | $ 217,421 |
| **Incremental Revenue Requirement before Taxes/PILs** | $ - | $ - | $ 13,071 | $ 135,199 | $ 332,406 | $ 439,426 | $ 424,595 | $ 425,670 | $ 421,491 | $ 389,109 |
| **Calculation of Taxable Income** | | | | | | | | | | |
| Incremental Operating Expenses | $ - | $ - | $ 7,643 | $ 21,912 | $ 31,839 | $ 29,023 | $ 4,420 | $ 19,132 | $ 28,680 | $ 22,366 |
| Amortization Expense | $ - | $ - | $ 2,841 | $ 55,935 | $ 154,730 | $ 215,716 | $ 228,319 | $ 229,455 | $ 229,680 | $ 217,421 |
| Interest Expense | $ - | $ - | $ 1,164 | $ 27,765 | $ 64,296 | $ 85,834 | $ 84,586 | $ 78,072 | $ 71,921 | $ 65,834 |
| **Net Income for Taxes/PILs** | $ - | $ - | $ 1,423 | $ 29,586 | $ 81,540 | $ 108,853 | $ 107,270 | $ 99,010 | $ 91,210 | $ 83,489 |
| **Grossed-up Taxes/PILs (from Sheet 7)** | $ - | $ - | -$ 84.53 | $ 9,049.60 | $ 22,462.54 | $ 27,781.74 | $ 32,792.28 | $ 37,638.55 | $ 40,368.94 | $ 38,504.57 |
| **Revenue Requirement, including Grossed-up Taxes/PILs** | $ - | $ - | $ 12,987 | $ 144,248 | $ 354,868 | $ 467,207 | $ 457,388 | $ 463,309 | $ 461,860 | $ 427,613 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

2015 Filers

## For PILs Calculation

### UCC - Smart Meters

| | 2006 Audited Actual | 2007 Audited Actual | 2008 Audited Actual | 2009 Audited Actual | 2010 Audited Actual | 2011 Audited Actual | 2012 Audited Actual | 2013 Audited Actual | 2014 Forecast | 2015 Forecast |
|---|---|---|---|---|---|---|---|---|---|---|
| Opening UCC | $ - | $ - | $ - | $ 57,390.72 | $ 1,398,315.30 | $ 2,591,126.56 | $ 2,732,110.03 | $ 2,518,131.95 | $ 2,344,804.59 | $ 2,186,985.03 |
| Capital Additions | $ - | $ - | $ 59,782.00 | $ 1,401,579.00 | $ 1,359,038.00 | $ 362,785.00 | $ 4,782.00 | $ 29,295.00 | $ 31,005.00 | $ 26,085.00 |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| UCC Before Half Year Rule | $ - | $ - | $ 59,782.00 | $ 1,458,969.72 | $ 2,757,353.30 | $ 2,953,911.56 | $ 2,736,892.03 | $ 2,547,426.95 | $ 2,375,809.59 | $ 2,213,070.03 |
| Half Year Rule (1/2 Additions - Disposals) | $ - | $ - | $ 29,891.00 | $ 700,789.50 | $ 679,519.00 | $ 181,392.50 | $ 2,391.00 | $ 14,647.50 | $ 15,502.50 | $ 13,042.50 |
| Reduced UCC | $ - | $ - | $ 29,891.00 | $ 758,180.22 | $ 2,077,834.30 | $ 2,772,519.06 | $ 2,734,501.03 | $ 2,532,779.45 | $ 2,360,307.09 | $ 2,200,027.53 |
| CCA Rate Class | 0 | 0 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| CCA Rate | 0% | 0% | 8% | 8% | 8% | 8% | 8% | 8% | 8% | 8% |
| CCA | $ - | $ - | $ 2,391.28 | $ 60,654.42 | $ 166,226.74 | $ 221,801.52 | $ 218,760.08 | $ 202,622.36 | $ 188,824.57 | $ 176,002.20 |
| Closing UCC | $ - | $ - | $ 57,390.72 | $ 1,398,315.30 | $ 2,591,126.56 | $ 2,732,110.03 | $ 2,518,131.95 | $ 2,344,804.59 | $ 2,186,985.03 | $ 2,037,067.83 |

### UCC - Computer Equipment

| | 2006 Audited Actual | 2007 Audited Actual | 2008 Audited Actual | 2009 Audited Actual | 2010 Audited Actual | 2011 Audited Actual | 2012 Audited Actual | 2013 Audited Actual | 2014 Forecast | 2015 Forecast |
|---|---|---|---|---|---|---|---|---|---|---|
| Opening UCC | $ - | $ - | $ - | $ 6,150.18 | $ 28,389.08 | $ 36,268.71 | $ 18,866.39 | $ 8,489.88 | $ 3,820.44 | $ 1,719.20 |
| Capital Additions Computer Hardware | $ - | $ - | $ 8,483.00 | $ - | $ 20,792.00 | $ - | $ - | $ - | $ - | $ - |
| Capital Additions Computer Software | $ - | $ - | $ - | $ 35,340.00 | $ 11,613.00 | $ 3,511.00 | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| UCC Before Half Year Rule | $ - | $ - | $ 8,483.00 | $ 41,490.18 | $ 60,794.08 | $ 39,779.71 | $ 18,866.39 | $ 8,489.88 | $ 3,820.44 | $ 1,719.20 |
| Half Year Rule (1/2 Additions - Disposals) | $ - | $ - | $ 4,241.50 | $ 17,670.00 | $ 16,202.50 | $ 1,755.50 | $ - | $ - | $ - | $ - |
| Reduced UCC | $ - | $ - | $ 4,241.50 | $ 23,820.18 | $ 44,591.58 | $ 38,024.21 | $ 18,866.39 | $ 8,489.88 | $ 3,820.44 | $ 1,719.20 |
| CCA Rate Class | 0 | 0 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| CCA Rate | 0% | 0% | 55% | 55% | 55% | 55% | 55% | 55% | 55% | 55% |
| CCA | $ - | $ - | $ 2,332.83 | $ 13,101.10 | $ 24,525.37 | $ 20,913.32 | $ 10,376.52 | $ 4,669.43 | $ 2,101.24 | $ 945.56 |
| Closing UCC | $ - | $ - | $ 6,150.18 | $ 28,389.08 | $ 36,268.71 | $ 18,866.39 | $ 8,489.88 | $ 3,820.44 | $ 1,719.20 | $ 773.64 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

2015 Filers

## For PILs Calculation

### UCC - General Equipment

| | 2006 Audited Actual | 2007 Audited Actual | 2008 Audited Actual | 2009 Audited Actual | 2010 Audited Actual | 2011 Audited Actual | 2012 Audited Actual | 2013 Audited Actual | 2014 Forecast | 2015 Forecast |
|---|---|---|---|---|---|---|---|---|---|---|
| Opening UCC | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Capital Additions Tools & Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Capital Additions Other Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| UCC Before Half Year Rule | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Half Year Rule (1/2 Additions - Disposals) | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Reduced UCC | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| CCA Rate Class | 0 | 0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| CCA Rate | 0% | 0% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
| CCA | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Closing UCC | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

### UCC - Applications Software

| | 2006 Audited Actual | 2007 Audited Actual | 2008 Audited Actual | 2009 Audited Actual | 2010 Audited Actual | 2011 Audited Actual | 2012 Audited Actual | 2013 Audited Actual | 2014 Forecast | 2015 Forecast |
|---|---|---|---|---|---|---|---|---|---|---|
| Opening UCC | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Capital Additions Applications Software | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Retirements/Removals (if applicable) | | | | | | | | | | |
| UCC Before Half Year Rule | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Half Year Rule (1/2 Additions - Disposals) | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Reduced UCC | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| CCA Rate Class | 0 | 0 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| CCA Rate | 0% | 0% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| CCA | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Closing UCC | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

2015 Filers

## PILs Calculation

| | 2006 Audited Actual | 2007 Audited Actual | 2008 Audited Actual | 2009 Audited Actual | 2010 Audited Actual | 2011 Audited Actual | 2012 Audited Actual | 2013 Audited Actual | 2014 Forecast | 2015 Forecast |
|---|---|---|---|---|---|---|---|---|---|---|
| **INCOME TAX** | | | | | | | | | | |
| Net Income | $ - | $ - | $ 1,423.07 | $ 29,586.12 | $ 81,539.87 | $ 108,852.88 | $ 107,270.22 | $ 99,010.32 | $ 91,209.68 | $ 83,489.15 |
| Amortization | $ - | $ - | $ 2,841.03 | $ 55,935.37 | $ 154,730.43 | $ 215,716.13 | $ 228,319.47 | $ 229,455.37 | $ 229,680.27 | $ 217,420.57 |
| CCA - Smart Meters | $ - | $ - | -$ 2,391.28 | -$ 60,654.42 | -$ 166,226.74 | -$ 221,801.52 | -$ 218,760.08 | -$ 202,622.36 | -$ 188,824.57 | -$ 176,002.20 |
| CCA - Computers | $ - | $ - | -$ 2,332.83 | -$ 13,101.10 | -$ 24,525.37 | -$ 20,913.32 | -$ 10,376.52 | -$ 4,669.43 | -$ 2,101.24 | -$ 945.56 |
| CCA - Applications Software | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| CCA - Other Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Change in taxable income | $ - | $ - | -$ 460.00 | $ 11,765.98 | $ 45,518.19 | $ 81,854.18 | $ 106,453.08 | $ 121,173.89 | $ 129,964.14 | $ 123,961.95 |
| Tax Rate (from Sheet 3) | 36.12% | 36.12% | 33.50% | 33.00% | 31.00% | 25.34% | 23.55% | 23.70% | 23.70% | 23.70% |
| Income Taxes Payable | $ - | $ - | -$ 154.10 | $ 3,882.77 | $ 14,110.64 | $ 20,741.85 | $ 25,069.70 | $ 28,718.21 | $ 30,801.50 | $ 29,378.98 |
| **ONTARIO CAPITAL TAX** | | | | | | | | | | |
| Smart Meters | $ - | $ - | $ 57,789.27 | $ 1,408,663.50 | $ 2,624,976.17 | $ 2,787,641.73 | $ 2,580,052.07 | $ 2,395,839.50 | $ 2,211,326.93 | $ 2,019,991.37 |
| Computer Hardware | $ - | $ - | $ 7,634.70 | $ 5,938.10 | $ 22,954.30 | $ 17,099.30 | $ 11,244.30 | $ 5,389.30 | $ - | $ - |
| Computer Software (Including Application Software) | $ - | $ - | $ - | $ 31,806.00 | $ 35,189.70 | $ 28,959.00 | $ 18,866.20 | $ 8,773.40 | $ - | $ - |
| Tools & Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Other Equipment | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Rate Base | $ - | $ - | $ 65,423.97 | $ 1,446,407.60 | $ 2,683,120.17 | $ 2,833,700.03 | $ 2,610,162.57 | $ 2,410,002.20 | $ 2,211,326.93 | $ 2,019,991.37 |
| Less: Exemption | | | | | | | | | | |
| Deemed Taxable Capital | $ - | $ - | $ 65,423.97 | $ 1,446,407.60 | $ 2,683,120.17 | $ 2,833,700.03 | $ 2,610,162.57 | $ 2,410,002.20 | $ 2,211,326.93 | $ 2,019,991.37 |
| Ontario Capital Tax Rate (from Sheet 3) | 0.300% | 0.225% | 0.225% | 0.225% | 0.075% | 0.000% | 0.000% | 0.000% | 0.000% | 0.000% |
| Net Amount (Taxable Capital x Rate) | $ - | $ - | $ 147.20 | $ 3,254.42 | $ 2,012.34 | $ - | $ - | $ - | $ - | $ - |
| Change in Income Taxes Payable | $ - | $ - | -$ 154.10 | $ 3,882.77 | $ 14,110.64 | $ 20,741.85 | $ 25,069.70 | $ 28,718.21 | $ 30,801.50 | $ 29,378.98 |
| Change in OCT | $ - | $ - | $ 147.20 | $ 3,254.42 | $ 2,012.34 | $ - | $ - | $ - | $ - | $ - |
| PILs | $ - | $ - | -$ 6.90 | $ 7,137.19 | $ 16,122.98 | $ 20,741.85 | $ 25,069.70 | $ 28,718.21 | $ 30,801.50 | $ 29,378.98 |

### Gross Up PILs

| | 2006 Audited Actual | 2007 Audited Actual | 2008 Audited Actual | 2009 Audited Actual | 2010 Audited Actual | 2011 Audited Actual | 2012 Audited Actual | 2013 Audited Actual | 2014 Forecast | 2015 Forecast |
|---|---|---|---|---|---|---|---|---|---|---|
| Tax Rate | 36.12% | 36.12% | 33.50% | 33.00% | 31.00% | 25.34% | 23.55% | 23.70% | 23.70% | 23.70% |
| Change in Income Taxes Payable | $ - | $ - | -$ 231.73 | $ 5,795.18 | $ 20,450.20 | $ 27,781.74 | $ 32,792.28 | $ 37,638.55 | $ 40,368.94 | $ 38,504.57 |
| Change in OCT | $ - | $ - | $ 147.20 | $ 3,254.42 | $ 2,012.34 | $ - | $ - | $ - | $ - | $ - |
| PILs | $ - | $ - | -$ 84.53 | $ 9,049.60 | $ 22,462.54 | $ 27,781.74 | $ 32,792.28 | $ 37,638.55 | $ 40,368.94 | $ 38,504.57 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the funding adder revenues.**

**Account 1555 - Sub-account Funding Adder Revenues**

| Prescribed Interest Rates | **Approved Deferral and Variance Accounts** | **CWIP** | **Date** | ***Year*** | ***Quarter*** | **Opening Balance (Principal)** | **Funding Adder Revenues** | **Interest Rate** | **Interest** | **Closing Balance** | **Annual amounts** | **Board Approved Smart Meter Funding Adder (from Tariff)** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006 Q1 | | | Jan-06 | *2006* | *Q1* | $ - | | 0.00% | $ - | $ - | | |
| 2006 Q2 | 4.14% | ember 26,2 | Feb-06 | *2006* | *Q1* | $ - | | 0.00% | $ - | $ - | | |
| 2006 Q3 | 4.59% | 5.05% | Mar-06 | *2006* | *Q1* | $ - | | 0.00% | $ - | $ - | | |
| 2006 Q4 | 4.59% | 4.72% | Apr-06 | *2006* | *Q2* | $ - | | 4.14% | $ - | $ - | | |
| 2007 Q1 | 4.59% | 4.72% | May-06 | *2006* | *Q2* | $ - | | 4.14% | $ - | $ - | | |
| 2007 Q2 | 4.59% | 4.72% | Jun-06 | *2006* | *Q2* | $ - | | 4.14% | $ - | $ - | | |
| 2007 Q3 | 4.59% | 5.18% | Jul-06 | *2006* | *Q3* | $ - | $ 7,124.75 | 4.59% | $ - | $ 7,124.75 | | $ 0.28 |
| 2007 Q4 | 5.14% | 5.18% | Aug-06 | *2006* | *Q3* | $ 7,124.75 | $ 8,228.08 | 4.59% | $ 27.25 | $ 15,380.08 | | $ 0.28 |
| 2008 Q1 | 5.14% | 5.18% | Sep-06 | *2006* | *Q3* | $ 15,352.83 | $ 7,674.80 | 4.59% | $ 58.72 | $ 23,086.35 | | $ 0.28 |
| 2008 Q2 | 4.08% | 5.18% | Oct-06 | *2006* | *Q4* | $ 23,027.63 | $ 7,663.60 | 4.59% | $ 88.08 | $ 30,779.31 | | $ 0.28 |
| 2008 Q3 | 3.35% | 5.43% | Nov-06 | *2006* | *Q4* | $ 30,691.23 | $ 7,652.40 | 4.59% | $ 117.39 | $ 38,461.02 | | $ 0.28 |
| 2008 Q4 | 3.35% | 5.43% | Dec-06 | *2006* | *Q4* | $ 38,343.63 | $ 6,515.88 | 4.59% | $ 146.66 | $ 45,006.17 | $ 45,297.61 | $ 0.28 |
| 2009 Q1 | 2.45% | 6.61% | Jan-07 | *2007* | *Q1* | $ 44,859.51 | $ 448.85 | 4.59% | $ 171.59 | $ 45,479.95 | | $ 0.28 |
| 2009 Q2 | 1.00% | 6.61% | Feb-07 | *2007* | *Q1* | $ 45,308.36 | $ 6,451.90 | 4.59% | $ 173.30 | $ 51,933.56 | | $ 0.28 |
| 2009 Q3 | 0.55% | 5.67% | Mar-07 | *2007* | *Q1* | $ 51,760.26 | $ 7,678.85 | 4.59% | $ 197.98 | $ 59,637.09 | | $ 0.28 |
| 2009 Q4 | 0.55% | 4.66% | Apr-07 | *2007* | *Q2* | $ 59,439.11 | $ 7,677.86 | 4.59% | $ 227.35 | $ 67,344.32 | | $ 0.28 |
| 2010 Q1 | 0.55% | 4.34% | May-07 | *2007* | *Q2* | $ 67,116.97 | $ 7,712.56 | 4.59% | $ 256.72 | $ 75,086.25 | | $ 0.28 |
| 2010 Q2 | 0.55% | 4.34% | Jun-07 | *2007* | *Q2* | $ 74,829.53 | $ 7,696.14 | 4.59% | $ 286.22 | $ 82,811.89 | | $ 0.28 |
| 2010 Q3 | 0.89% | 4.66% | Jul-07 | *2007* | *Q3* | $ 82,525.67 | $ 7,641.95 | 4.59% | $ 315.66 | $ 90,483.28 | | $ 0.28 |
| 2010 Q4 | 1.20% | 4.01% | Aug-07 | *2007* | *Q3* | $ 90,167.62 | $ 7,772.59 | 4.59% | $ 344.89 | $ 98,285.10 | | $ 0.28 |
| 2011 Q1 | 1.47% | 4.29% | Sep-07 | *2007* | *Q3* | $ 97,940.21 | $ 7,699.56 | 4.59% | $ 374.62 | $ 106,014.39 | | $ 0.28 |
| 2011 Q2 | 1.47% | 4.29% | Oct-07 | *2007* | *Q4* | $ 105,639.77 | $ 7,710.80 | 5.14% | $ 452.49 | $ 113,803.06 | | $ 0.28 |
| 2011 Q3 | 1.47% | 4.29% | Nov-07 | *2007* | *Q4* | $ 113,350.57 | $ 7,694.41 | 5.14% | $ 485.52 | $ 121,530.50 | | $ 0.28 |
| 2011 Q4 | 1.47% | 3.92% | Dec-07 | *2007* | *Q4* | $ 121,044.98 | $ 6,583.89 | 5.14% | $ 518.48 | $ 128,147.35 | $ 86,574.18 | $ 0.28 |
| 2012 Q1 | 1.47% | 3.92% | Jan-08 | *2008* | *Q1* | $ 127,628.87 | $ 8,850.41 | 5.14% | $ 546.68 | $ 137,025.96 | | $ 0.28 |
| 2012 Q2 | 1.47% | 3.51% | Feb-08 | *2008* | *Q1* | $ 136,479.28 | $ 7,723.42 | 5.14% | $ 584.59 | $ 144,787.29 | | $ 0.28 |
| 2012 Q3 | 1.47% | 3.51% | Mar-08 | *2008* | *Q1* | $ 144,202.70 | $ 6,706.24 | 5.14% | $ 617.67 | $ 151,526.61 | | $ 0.28 |
| 2012 Q4 | 1.47% | 3.23% | Apr-08 | *2008* | *Q2* | $ 150,908.94 | $ 8,760.00 | 4.08% | $ 513.09 | $ 160,182.03 | | $ 0.28 |
| 2013 Q1 | 1.47% | 3.23% | May-08 | *2008* | *Q2* | $ 159,668.94 | $ 7,751.49 | 4.08% | $ 542.87 | $ 167,963.30 | | $ 0.28 |
| 2013 Q2 | 1.47% | 3.23% | Jun-08 | *2008* | *Q2* | $ 167,420.43 | $ 7,750.84 | 4.08% | $ 569.23 | $ 175,740.50 | | $ 0.28 |
| 2013 Q3 | 1.47% | 3.23% | Jul-08 | *2008* | *Q3* | $ 175,171.27 | $ 7,747.55 | 3.35% | $ 489.02 | $ 183,407.84 | | $ 0.28 |
| 2013 Q4 | 1.47% | 3.70% | Aug-08 | *2008* | *Q3* | $ 182,918.82 | $ 7,702.40 | 3.35% | $ 510.65 | $ 191,131.87 | | $ 0.28 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the funding adder revenues.**

**Account 1555 - Sub-account Funding Adder Revenues**

| Prescribed Interest Rates | Approved Deferral and Variance Accounts | CWIP | Date | Year | Quarter | Opening Balance (Principal) | Funding Adder Revenues | Interest Rate | Interest | Closing Balance | Annual amounts | Board Approved Smart Meter Funding Adder (from Tariff) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2014 Q1 | 1.47% | 3.70% | Sep-08 | 2008 | Q3 | $ 190,621.22 | $ 7,791.15 | 3.35% | $ 532.15 | $ 198,944.52 | | $ 0.28 |
| 2014 Q2 | 1.47% | 3.17% | Oct-08 | 2008 | Q4 | $ 198,412.37 | $ 7,770.96 | 3.35% | $ 553.90 | $ 206,737.23 | | $ 0.28 |
| 2014 Q3 | 1.47% | 3.17% | Nov-08 | 2008 | Q4 | $ 206,183.33 | $ 7,754.06 | 3.35% | $ 575.60 | $ 214,512.99 | | $ 0.28 |
| 2014 Q4 | 1.47% | 3.17% | Dec-08 | 2008 | Q4 | $ 213,937.39 | $ 5,963.44 | 3.35% | $ 597.24 | $ 220,498.07 | $ 98,904.65 | $ 0.28 |
| 2015 Q1 | 1.47% | 3.17% | Jan-09 | 2009 | Q1 | $ 219,900.83 | $ 7,779.02 | 2.45% | $ 448.96 | $ 228,128.81 | | $ 0.28 |
| 2015 Q2 | 1.47% | 3.17% | Feb-09 | 2009 | Q1 | $ 227,679.85 | $ 8,764.73 | 2.45% | $ 464.85 | $ 236,909.43 | | $ 0.28 |
| 2015 Q3 | 1.47% | 3.17% | Mar-09 | 2009 | Q1 | $ 236,444.58 | $ 7,804.71 | 2.45% | $ 482.74 | $ 244,732.03 | | $ 0.28 |
| 2015 Q4 | 1.47% | 3.17% | Apr-09 | 2009 | Q2 | $ 244,249.29 | $ 7,760.77 | 1.00% | $ 203.54 | $ 252,213.60 | | $ 0.28 |
| | | | May-09 | 2009 | Q2 | $ 252,010.06 | $ 9,335.37 | 1.00% | $ 210.01 | $ 261,555.44 | | $ 1.00 |
| | | | Jun-09 | 2009 | Q2 | $ 261,345.43 | $ 25,178.08 | 1.00% | $ 217.79 | $ 286,741.30 | | $ 1.00 |
| | | | Jul-09 | 2009 | Q3 | $ 286,523.51 | $ 27,616.13 | 0.55% | $ 131.32 | $ 314,270.96 | | $ 1.00 |
| | | | Aug-09 | 2009 | Q3 | $ 314,139.64 | $ 27,900.01 | 0.55% | $ 143.98 | $ 342,183.63 | | $ 1.00 |
| | | | Sep-09 | 2009 | Q3 | $ 342,039.65 | $ 27,817.14 | 0.55% | $ 156.77 | $ 370,013.56 | | $ 1.00 |
| | | | Oct-09 | 2009 | Q4 | $ 369,856.79 | $ 27,754.10 | 0.55% | $ 169.52 | $ 397,780.41 | | $ 1.00 |
| | | | Nov-09 | 2009 | Q4 | $ 397,610.89 | $ 27,419.21 | 0.55% | $ 182.24 | $ 425,212.34 | | $ 1.00 |
| | | | Dec-09 | 2009 | Q4 | $ 425,030.10 | $ 58,786.27 | 0.55% | $ 194.81 | $ 484,011.18 | $ 266,922.07 | $ 1.00 |
| | | | Jan-10 | 2010 | Q1 | $ 483,816.37 | $ 31,842.89 | 0.55% | $ 221.75 | $ 515,881.01 | | $ 1.00 |
| | | | Feb-10 | 2010 | Q1 | $ 515,659.26 | $ 27,916.47 | 0.55% | $ 236.34 | $ 543,812.07 | | $ 1.00 |
| | | | Mar-10 | 2010 | Q1 | $ 543,575.73 | $ 27,912.11 | 0.55% | $ 249.14 | $ 571,736.98 | | $ 1.00 |
| | | | Apr-10 | 2010 | Q2 | $ 571,487.84 | $ 23,846.99 | 0.55% | $ 261.93 | $ 595,596.76 | | $ 1.00 |
| | | | May-10 | 2010 | Q2 | $ 595,334.83 | $ 26,992.57 | 0.55% | $ 272.86 | $ 622,600.26 | | $ 1.96 |
| | | | Jun-10 | 2010 | Q2 | $ 622,327.40 | $ 59,123.00 | 0.55% | $ 285.23 | $ 681,735.63 | | $ 1.96 |
| | | | Jul-10 | 2010 | Q3 | $ 681,450.40 | $ 47,375.21 | 0.89% | $ 505.41 | $ 729,331.02 | | $ 1.96 |
| | | | Aug-10 | 2010 | Q3 | $ 728,825.61 | $ 54,713.24 | 0.89% | $ 540.55 | $ 784,079.40 | | $ 1.96 |
| | | | Sep-10 | 2010 | Q3 | $ 783,538.85 | $ 62,567.41 | 0.89% | $ 581.12 | $ 846,687.38 | | $ 1.96 |
| | | | Oct-10 | 2010 | Q4 | $ 846,106.26 | $ 54,262.66 | 1.20% | $ 846.11 | $ 901,215.03 | | $ 1.96 |
| | | | Nov-10 | 2010 | Q4 | $ 900,368.92 | $ 47,958.75 | 1.20% | $ 900.37 | $ 949,228.04 | | $ 1.96 |
| | | | Dec-10 | 2010 | Q4 | $ 948,327.67 | $ 85,498.12 | 1.20% | $ 948.33 | $ 1,034,774.12 | $ 555,858.56 | $ 1.96 |
| | | | Jan-11 | 2011 | Q1 | $ 1,033,825.79 | $ 56,593.43 | 1.47% | $ 1,266.44 | $ 1,091,685.66 | | $ 1.96 |
| | | | Feb-11 | 2011 | Q1 | $ 1,090,419.22 | $ 62,826.91 | 1.47% | $ 1,335.76 | $ 1,154,581.89 | | $ 1.96 |
| | | | Mar-11 | 2011 | Q1 | $ 1,153,246.13 | $ 54,294.56 | 1.47% | $ 1,412.73 | $ 1,208,953.42 | | $ 1.96 |
| | | | Apr-11 | 2011 | Q2 | $ 1,207,540.69 | $ 52,995.32 | 1.47% | $ 1,479.24 | $ 1,262,015.25 | | $ 1.96 |
| | | | May-11 | 2011 | Q2 | $ 1,260,536.01 | $ 54,180.55 | 1.47% | $ 1,544.16 | $ 1,316,260.72 | | $ 1.96 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

2015 Filers

**This worksheet calculates the funding adder revenues.**

### Account 1555 - Sub-account Funding Adder Revenues

[Prescribed Interest Rates]

| Approved Deferral and Variance Accounts | CWIP | Date | Year | Quarter | Opening Balance (Principal) | Funding Adder Revenues | Interest Rate | Interest | Closing Balance | Annual amounts | Board Approved Smart Meter Funding Adder (from Tariff) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-11 | 2011 | Q2 | $ 1,314,716.56 | $ 55,569.28 | 1.47% | $ 1,610.53 | $ 1,371,896.37 | | $ 1.96 |
| | | Jul-11 | 2011 | Q3 | $ 1,370,285.84 | $ 49,326.17 | 1.47% | $ 1,678.60 | $ 1,421,290.61 | | $ 1.96 |
| | | Aug-11 | 2011 | Q3 | $ 1,419,612.01 | $ 53,266.63 | 1.47% | $ 1,739.02 | $ 1,474,617.66 | | $ 1.96 |
| | | Sep-11 | 2011 | Q3 | $ 1,472,878.64 | $ 64,975.27 | 1.47% | $ 1,804.28 | $ 1,539,658.19 | | $ 1.96 |
| | | Oct-11 | 2011 | Q4 | $ 1,537,853.91 | $ 55,132.31 | 1.47% | $ 1,883.87 | $ 1,594,870.09 | | $ 1.96 |
| | | Nov-11 | 2011 | Q4 | $ 1,592,986.22 | $ 47,141.48 | 1.47% | $ 1,951.41 | $ 1,642,079.11 | | $ 1.96 |
| | | Dec-11 | 2011 | Q4 | $ 1,640,127.70 | $ 52,764.03 | 1.47% | $ 2,009.16 | $ 1,694,900.89 | $ 678,781.14 | $ 1.96 |
| | | Jan-12 | 2012 | Q1 | $ 1,692,891.73 | $ 72,190.58 | 1.47% | $ 2,073.79 | $ 1,767,156.10 | | $ 1.96 |
| | | Feb-12 | 2012 | Q1 | $ 1,765,082.31 | $ 59,856.64 | 1.47% | $ 2,162.23 | $ 1,827,101.18 | | $ 1.96 |
| | | Mar-12 | 2012 | Q1 | $ 1,824,938.95 | $ 50,718.48 | 1.47% | $ 2,235.55 | $ 1,877,892.98 | | $ 1.96 |
| | | Apr-12 | 2012 | Q2 | $ 1,875,657.43 | $ 42,339.66 | 1.47% | $ 2,297.68 | $ 1,920,294.77 | | $ 1.96 |
| | | May-12 | 2012 | Q2 | $ 1,917,997.09 | $ 67,296.19 | 1.47% | $ 2,349.55 | $ 1,987,642.83 | | |
| | | Jun-12 | 2012 | Q2 | $ 1,985,293.28 | $ 7,878.54 | 1.47% | $ 2,431.98 | $ 1,995,603.80 | | |
| | | Jul-12 | 2012 | Q3 | $ 1,993,171.82 | $ 23.07 | 1.47% | $ 2,441.64 | $ 1,995,636.53 | | |
| | | Aug-12 | 2012 | Q3 | $ 1,993,194.89 | $ 34.17 | 1.47% | $ 2,441.66 | $ 1,995,670.72 | | |
| | | Sep-12 | 2012 | Q3 | $ 1,993,229.06 | $ 3.08 | 1.47% | $ 2,441.71 | $ 1,995,673.85 | | |
| | | Oct-12 | 2012 | Q4 | $ 1,993,232.14 | -$ 18.88 | 1.47% | $ 2,441.71 | $ 1,995,654.97 | | |
| | | Nov-12 | 2012 | Q4 | $ 1,993,213.26 | -$ 3.92 | 1.47% | $ 2,441.69 | $ 1,995,651.03 | | |
| | | Dec-12 | 2012 | Q4 | $ 1,993,209.34 | -$ 78,990.19 | 1.47% | $ 2,441.68 | $ 1,916,660.83 | $ 249,528.29 | |
| | | Jan-13 | 2013 | Q1 | $ 1,914,219.15 | $ - | 1.47% | $ 2,344.92 | $ 1,916,564.07 | | |
| | | Feb-13 | 2013 | Q1 | $ 1,914,219.15 | $ - | 1.47% | $ 2,344.92 | $ 1,916,564.07 | | |
| | | Mar-13 | 2013 | Q1 | $ 1,914,219.15 | $ 6.30 | 1.47% | $ 2,344.92 | $ 1,916,570.37 | | |
| | | Apr-13 | 2013 | Q2 | $ 1,914,225.45 | -$ 37.17 | 1.47% | $ 2,344.93 | $ 1,916,533.21 | | |
| | | May-13 | 2013 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Jun-13 | 2013 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Jul-13 | 2013 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Aug-13 | 2013 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Sep-13 | 2013 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Oct-13 | 2013 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Nov-13 | 2013 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Dec-13 | 2013 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | $ 28,107.86 | |
| | | Jan-14 | 2014 | Q1 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| | | Feb-14 | 2014 | Q1 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the funding adder revenues.**

### Account 1555 - Sub-account Funding Adder Revenues

Prescribed Interest Rates

**Approved Deferral and Variance Accounts**

**CWIP**

| Date | Year | Quarter | Opening Balance (Principal) | Funding Adder Revenues | Interest Rate | Interest | Closing Balance | Annual amounts | Board Approved Smart Meter Funding Adder (from Tariff) |
|---|---|---|---|---|---|---|---|---|---|
| Mar-14 | 2014 | Q1 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Apr-14 | 2014 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| May-14 | 2014 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Jun-14 | 2014 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Jul-14 | 2014 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Aug-14 | 2014 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Sep-14 | 2014 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Oct-14 | 2014 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Nov-14 | 2014 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Dec-14 | 2014 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | $ 28,138.56 | |
| Jan-15 | 2015 | Q1 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Feb-15 | 2015 | Q1 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Mar-15 | 2015 | Q1 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Apr-15 | 2015 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| May-15 | 2015 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Jun-15 | 2015 | Q2 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Jul-15 | 2015 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Aug-15 | 2015 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Sep-15 | 2015 | Q3 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Oct-15 | 2015 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Nov-15 | 2015 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | | |
| Dec-15 | 2015 | Q4 | $ 1,914,188.28 | $ - | 1.47% | $ 2,344.88 | $ 1,916,533.16 | $ 28,138.56 | |
| **Total Funding Adder Revenues Collected** | | | | **$ 1,914,188.28** | | **$ 152,063.20** | **$ 2,066,251.48** | **$ 2,066,251.48** | |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.**

### Account 1556 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

| Prescribed Interest Rates | Approved Deferral and Variance Accounts | CWIP | Date | Year | Quarter | Opening Balance (Principal) | OM&A Expenses | Amortization / Depreciation Expense | Closing Balance (Principal) | (Annual) Interest Rate | Interest (on opening balance) | Cumulative Interest |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006 Q1 | 0.00% | ember 26,2 | Jan-06 | 2006 | Q1 | $ - | | | $ - | 0.00% | $ - | $ - |
| 2006 Q2 | 4.14% | ember 26,2 | Feb-06 | 2006 | Q1 | $ - | | | $ - | 0.00% | $ - | $ - |
| 2006 Q3 | 4.59% | 5.05% | Mar-06 | 2006 | Q1 | $ - | | | $ - | 0.00% | $ - | $ - |
| 2006 Q4 | 4.59% | 4.72% | Apr-06 | 2006 | Q2 | $ - | | | $ - | 4.14% | $ - | $ - |
| 2007 Q1 | 4.59% | 4.72% | May-06 | 2006 | Q2 | $ - | | | $ - | 4.14% | $ - | $ - |
| 2007 Q2 | 4.59% | 4.72% | Jun-06 | 2006 | Q2 | $ - | | | $ - | 4.14% | $ - | $ - |
| 2007 Q3 | 4.59% | 5.18% | Jul-06 | 2006 | Q3 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2007 Q4 | 5.14% | 5.18% | Aug-06 | 2006 | Q3 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2008 Q1 | 5.14% | 5.18% | Sep-06 | 2006 | Q3 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2008 Q2 | 4.08% | 5.18% | Oct-06 | 2006 | Q4 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2008 Q3 | 3.35% | 5.43% | Nov-06 | 2006 | Q4 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2008 Q4 | 3.35% | 5.43% | Dec-06 | 2006 | Q4 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2009 Q1 | 2.45% | 6.61% | Jan-07 | 2007 | Q1 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2009 Q2 | 1.00% | 6.61% | Feb-07 | 2007 | Q1 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2009 Q3 | 0.55% | 5.67% | Mar-07 | 2007 | Q1 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2009 Q4 | 0.55% | 4.66% | Apr-07 | 2007 | Q2 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2010 Q1 | 0.55% | 4.34% | May-07 | 2007 | Q2 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2010 Q2 | 0.55% | 4.34% | Jun-07 | 2007 | Q2 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2010 Q3 | 0.89% | 4.66% | Jul-07 | 2007 | Q3 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2010 Q4 | 1.20% | 4.01% | Aug-07 | 2007 | Q3 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2011 Q1 | 1.47% | 4.29% | Sep-07 | 2007 | Q3 | $ - | | | $ - | 4.59% | $ - | $ - |
| 2011 Q2 | 1.47% | 4.29% | Oct-07 | 2007 | Q4 | $ - | | | $ - | 5.14% | $ - | $ - |
| 2011 Q3 | 1.47% | 4.29% | Nov-07 | 2007 | Q4 | $ - | | | $ - | 5.14% | $ - | $ - |
| 2011 Q4 | 1.47% | 3.92% | Dec-07 | 2007 | Q4 | $ - | | | $ - | 5.14% | $ - | $ - |
| 2012 Q1 | 1.47% | 3.92% | Jan-08 | 2008 | Q1 | $ - | $ 149 | | $ 149 | 5.14% | $ - | $ - |
| 2012 Q2 | 1.47% | 3.51% | Feb-08 | 2008 | Q1 | $ 149 | $ 149 | | $ 299 | 5.14% | $ 1 | $ 1 |
| 2012 Q3 | 1.47% | 3.51% | Mar-08 | 2008 | Q1 | $ 299 | $ 149 | | $ 448 | 5.14% | $ 1 | $ 2 |
| 2012 Q4 | 1.47% | 3.23% | Apr-08 | 2008 | Q2 | $ 448 | $ 149 | | $ 598 | 4.08% | $ 2 | $ 3 |
| 2013 Q1 | 1.47% | 3.23% | May-08 | 2008 | Q2 | $ 598 | $ 149 | | $ 747 | 4.08% | $ 2 | $ 5 |
| 2013 Q2 | 1.47% | 3.23% | Jun-08 | 2008 | Q2 | $ 747 | $ 100 | | $ 847 | 4.08% | $ 3 | $ 8 |
| 2013 Q3 | 1.47% | 3.23% | Jul-08 | 2008 | Q3 | $ 847 | $ 846 | | $ 1,693 | 3.35% | $ 2 | $ 10 |
| 2013 Q4 | 1.47% | 3.70% | Aug-08 | 2008 | Q3 | $ 1,693 | $ 833 | | $ 2,527 | 3.35% | $ 5 | $ 15 |
| 2014 Q1 | 1.47% | 3.70% | Sep-08 | 2008 | Q3 | $ 2,527 | $ 649 | | $ 3,176 | 3.35% | $ 7 | $ 22 |
| 2014 Q2 | 1.47% | 3.17% | Oct-08 | 2008 | Q4 | $ 3,176 | $ 3,544 | | $ 6,720 | 3.35% | $ 9 | $ 31 |
| 2014 Q3 | 1.47% | 3.17% | Nov-08 | 2008 | Q4 | $ 6,720 | $ 460 | | $ 7,180 | 3.35% | $ 19 | $ 50 |
| 2014 Q4 | 1.47% | 3.17% | Dec-08 | 2008 | Q4 | $ 7,180 | $ 464 | $ 2,841 | $ 10,485 | 3.35% | $ 20 | $ 70 |
| 2015 Q1 | 1.47% | 3.17% | Jan-09 | 2009 | Q1 | $ 10,485 | $ 244 | $ 4,661 | $ 15,390 | 2.45% | $ 21 | $ 91 |
| 2015 Q2 | 1.47% | 3.17% | Feb-09 | 2009 | Q1 | $ 15,390 | $ 363 | $ 4,661 | $ 20,415 | 2.45% | $ 31 | $ 123 |
| 2015 Q3 | 1.47% | 3.17% | Mar-09 | 2009 | Q1 | $ 20,415 | $ 485 | $ 4,661 | $ 25,560 | 2.45% | $ 42 | $ 164 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.**

2015 Q4 1.47% 3.17%

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Apr-09 | 2009 | Q2 | $ 25,560 | $ 1,813 | $ 4,661 | $ 32,035 | 1.00% | $ 21 | $ 186 |
| May-09 | 2009 | Q2 | $ 32,035 | $ 1,135 | $ 4,661 | $ 37,831 | 1.00% | $ 27 | $ 212 |
| Jun-09 | 2009 | Q2 | $ 37,831 | $ 2,157 | $ 4,661 | $ 44,649 | 1.00% | $ 32 | $ 244 |
| Jul-09 | 2009 | Q3 | $ 44,649 | $ 1,297 | $ 4,661 | $ 50,607 | 0.55% | $ 20 | $ 264 |
| Aug-09 | 2009 | Q3 | $ 50,607 | $ 2,571 | $ 4,661 | $ 57,839 | 0.55% | $ 23 | $ 288 |
| Sep-09 | 2009 | Q3 | $ 57,839 | $ 4,415 | $ 4,661 | $ 66,916 | 0.55% | $ 27 | $ 314 |
| Oct-09 | 2009 | Q4 | $ 66,916 | $ 1,401 | $ 4,661 | $ 72,977 | 0.55% | $ 31 | $ 345 |
| Nov-09 | 2009 | Q4 | $ 72,977 | $ 734 | $ 4,661 | $ 78,372 | 0.55% | $ 33 | $ 378 |
| Dec-09 | 2009 | Q4 | $ 78,372 | $ 5,298 | $ 4,661 | $ 88,331 | 0.55% | $ 36 | $ 414 |
| Jan-10 | 2010 | Q1 | $ 88,331 | $ 2,763 | $ 12,894 | $ 103,988 | 0.55% | $ 40 | $ 455 |
| Feb-10 | 2010 | Q1 | $ 103,988 | $ 1,806 | $ 12,894 | $ 118,689 | 0.55% | $ 48 | $ 502 |
| Mar-10 | 2010 | Q1 | $ 118,689 | $ 2,263 | $ 12,894 | $ 133,846 | 0.55% | $ 54 | $ 557 |
| Apr-10 | 2010 | Q2 | $ 133,846 | $ 676 | $ 12,894 | $ 147,416 | 0.55% | $ 61 | $ 618 |
| May-10 | 2010 | Q2 | $ 147,416 | $ 499 | $ 12,894 | $ 160,810 | 0.55% | $ 68 | $ 686 |
| Jun-10 | 2010 | Q2 | $ 160,810 | $ 3,752 | $ 12,894 | $ 177,455 | 0.55% | $ 74 | $ 759 |
| Jul-10 | 2010 | Q3 | $ 177,455 | $ 1,241 | $ 12,894 | $ 191,591 | 0.89% | $ 132 | $ 891 |
| Aug-10 | 2010 | Q3 | $ 191,591 | $ 1,669 | $ 12,894 | $ 206,154 | 0.89% | $ 142 | $ 1,033 |
| Sep-10 | 2010 | Q3 | $ 206,154 | $ 6,540 | $ 12,894 | $ 225,588 | 0.89% | $ 153 | $ 1,186 |
| Oct-10 | 2010 | Q4 | $ 225,588 | $ 1,653 | $ 12,894 | $ 240,135 | 1.20% | $ 226 | $ 1,411 |
| Nov-10 | 2010 | Q4 | $ 240,135 | $ 5,698 | $ 12,894 | $ 258,727 | 1.20% | $ 240 | $ 1,652 |
| Dec-10 | 2010 | Q4 | $ 258,727 | $ 3,279 | $ 12,894 | $ 274,900 | 1.20% | $ 259 | $ 1,910 |
| Jan-11 | 2011 | Q1 | $ 274,900 | $ 8,815 | $ 17,976 | $ 301,691 | 1.47% | $ 337 | $ 2,247 |
| Feb-11 | 2011 | Q1 | $ 301,691 | $ 178 | $ 17,976 | $ 319,846 | 1.47% | $ 370 | $ 2,617 |
| Mar-11 | 2011 | Q1 | $ 319,846 | $ - | $ 17,976 | $ 337,822 | 1.47% | $ 392 | $ 3,008 |
| Apr-11 | 2011 | Q2 | $ 337,822 | $ 59 | $ 17,976 | $ 355,857 | 1.47% | $ 414 | $ 3,422 |
| May-11 | 2011 | Q2 | $ 355,857 | $ 59 | $ 17,976 | $ 373,892 | 1.47% | $ 436 | $ 3,858 |
| Jun-11 | 2011 | Q2 | $ 373,892 | $ 1,338 | $ 17,976 | $ 393,207 | 1.47% | $ 458 | $ 4,316 |
| Jul-11 | 2011 | Q3 | $ 393,207 | $ 12,272 | $ 17,976 | $ 423,455 | 1.47% | $ 482 | $ 4,798 |
| Aug-11 | 2011 | Q3 | $ 423,455 | $ 5,715 | $ 17,976 | $ 447,147 | 1.47% | $ 519 | $ 5,317 |
| Sep-11 | 2011 | Q3 | $ 447,147 | $ 59 | $ 17,976 | $ 465,182 | 1.47% | $ 548 | $ 5,864 |
| Oct-11 | 2011 | Q4 | $ 465,182 | $ 175 | $ 17,976 | $ 483,333 | 1.47% | $ 570 | $ 6,434 |
| Nov-11 | 2011 | Q4 | $ 483,333 | $ 177 | $ 17,976 | $ 501,486 | 1.47% | $ 592 | $ 7,026 |
| Dec-11 | 2011 | Q4 | $ 501,486 | $ 177 | $ 17,976 | $ 519,639 | 1.47% | $ 614 | $ 7,641 |
| Jan-12 | 2012 | Q1 | $ 519,639 | $ - | $ 19,027 | $ 538,666 | 1.47% | $ 637 | $ 8,277 |
| Feb-12 | 2012 | Q1 | $ 538,666 | $ 312 | $ 19,027 | $ 558,004 | 1.47% | $ 660 | $ 8,937 |
| Mar-12 | 2012 | Q1 | $ 558,004 | $ - | $ 19,027 | $ 577,031 | 1.47% | $ 684 | $ 9,621 |
| Apr-12 | 2012 | Q2 | $ 577,031 | $ - | $ 19,027 | $ 596,057 | 1.47% | $ 707 | $ 10,327 |
| May-12 | 2012 | Q2 | $ 596,057 | $ 435 | $ 19,027 | $ 615,519 | 1.47% | $ 730 | $ 11,058 |
| Jun-12 | 2012 | Q2 | $ 615,519 | $ - | $ 19,027 | $ 634,545 | 1.47% | $ 754 | $ 11,812 |
| Jul-12 | 2012 | Q3 | $ 634,545 | $ - | $ 19,027 | $ 653,572 | 1.47% | $ 777 | $ 12,589 |
| Aug-12 | 2012 | Q3 | $ 653,572 | $ - | $ 19,027 | $ 672,599 | 1.47% | $ 801 | $ 13,390 |
| Sep-12 | 2012 | Q3 | $ 672,599 | $ - | $ 19,027 | $ 691,625 | 1.47% | $ 824 | $ 14,214 |
| Oct-12 | 2012 | Q4 | $ 691,625 | $ 2,623 | $ 19,027 | $ 713,275 | 1.47% | $ 847 | $ 15,061 |
| Nov-12 | 2012 | Q4 | $ 713,275 | $ 345 | $ 19,027 | $ 732,646 | 1.47% | $ 874 | $ 15,935 |
| Dec-12 | 2012 | Q4 | $ 732,646 | $ - | $ 19,027 | $ 751,673 | 1.47% | $ 897 | $ 16,832 |
| Jan-13 | 2013 | Q1 | $ 751,673 | $ - | $ 19,121 | $ 770,794 | 1.47% | $ 921 | $ 17,753 |
| Feb-13 | 2013 | Q1 | $ 770,794 | $ 244 | $ 19,121 | $ 790,159 | 1.47% | $ 944 | $ 18,697 |
| Mar-13 | 2013 | Q1 | $ 790,159 | $ 869 | $ 19,121 | $ 810,149 | 1.47% | $ 968 | $ 19,665 |
| Apr-13 | 2013 | Q2 | $ 810,149 | $ - | $ 19,121 | $ 829,270 | 1.47% | $ 992 | $ 20,657 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| May-13 | 2013 | Q2 | $ 829,270 | $ 3,699 | $ 19,121 | $ 852,091 | 1.47% | $ 1,016 | $ 21,673 |
| Jun-13 | 2013 | Q2 | $ 852,091 | $ - | $ 19,121 | $ 871,212 | 1.47% | $ 1,044 | $ 22,717 |
| Jul-13 | 2013 | Q3 | $ 871,212 | $ 932 | $ 19,121 | $ 891,266 | 1.47% | $ 1,067 | $ 23,784 |
| Aug-13 | 2013 | Q3 | $ 891,266 | $ - | $ 19,121 | $ 910,387 | 1.47% | $ 1,092 | $ 24,876 |
| Sep-13 | 2013 | Q3 | $ 910,387 | $ 381 | $ 19,121 | $ 929,889 | 1.47% | $ 1,115 | $ 25,991 |
| Oct-13 | 2013 | Q4 | $ 929,889 | $ - | $ 19,121 | $ 949,010 | 1.47% | $ 1,139 | $ 27,130 |
| Nov-13 | 2013 | Q4 | $ 949,010 | $ - | $ 19,121 | $ 968,131 | 1.47% | $ 1,163 | $ 28,293 |
| Dec-13 | 2013 | Q4 | $ 968,131 | $ 9,953 | $ 19,121 | $ 997,205 | 1.47% | $ 1,186 | $ 29,479 |
| Jan-14 | 2014 | Q1 | $ 997,205 | $ 391 | $ 19,140 | $ 1,016,736 | 1.47% | $ 1,222 | $ 30,701 |
| Feb-14 | 2014 | Q1 | $ 1,016,736 | $ - | $ 19,140 | $ 1,035,876 | 1.47% | $ 1,246 | $ 31,946 |
| Mar-14 | 2014 | Q1 | $ 1,035,876 | $ - | $ 19,140 | $ 1,055,016 | 1.47% | $ 1,269 | $ 33,215 |
| Apr-14 | 2014 | Q2 | $ 1,055,016 | $ - | $ 19,140 | $ 1,074,156 | 1.47% | $ 1,292 | $ 34,507 |
| May-14 | 2014 | Q2 | $ 1,074,156 | $ - | $ 19,140 | $ 1,093,296 | 1.47% | $ 1,316 | $ 35,823 |
| Jun-14 | 2014 | Q2 | $ 1,093,296 | $ 219 | $ 19,140 | $ 1,112,655 | 1.47% | $ 1,339 | $ 37,162 |
| Jul-14 | 2014 | Q3 | $ 1,112,655 | $ - | $ 19,140 | $ 1,131,795 | 1.47% | $ 1,363 | $ 38,525 |
| Aug-14 | 2014 | Q3 | $ 1,131,795 | $ - | $ 19,140 | $ 1,150,935 | 1.47% | $ 1,386 | $ 39,912 |
| Sep-14 | 2014 | Q3 | $ 1,150,935 | $ 21,482 | $ 19,140 | $ 1,191,557 | 1.47% | $ 1,410 | $ 41,322 |
| Oct-14 | 2014 | Q4 | $ 1,191,557 | $ - | $ 19,140 | $ 1,210,697 | 1.47% | $ 1,460 | $ 42,781 |
| Nov-14 | 2014 | Q4 | $ 1,210,697 | $ - | $ 19,140 | $ 1,229,837 | 1.47% | $ 1,483 | $ 44,265 |
| Dec-14 | 2014 | Q4 | $ 1,229,837 | $ 2,008 | $ 19,140 | $ 1,250,985 | 1.47% | $ 1,507 | $ 45,771 |
| Jan-15 | 2015 | Q1 | $ 1,250,985 | $ 1,465 | $ 18,118 | $ 1,270,568 | 1.47% | $ 1,532 | $ 47,304 |
| Feb-15 | 2015 | Q1 | $ 1,270,568 | $ 1,465 | $ 18,118 | $ 1,290,152 | 1.47% | $ 1,556 | $ 48,860 |
| Mar-15 | 2015 | Q1 | $ 1,290,152 | $ 1,465 | $ 18,118 | $ 1,309,735 | 1.47% | $ 1,580 | $ 50,440 |
| Apr-15 | 2015 | Q2 | $ 1,309,735 | $ 1,465 | $ 18,118 | $ 1,329,319 | 1.47% | $ 1,604 | $ 52,045 |
| May-15 | 2015 | Q2 | $ 1,329,319 | $ 1,465 | $ 18,118 | $ 1,348,902 | 1.47% | $ 1,628 | $ 53,673 |
| Jun-15 | 2015 | Q2 | $ 1,348,902 | $ 1,465 | $ 18,118 | $ 1,368,485 | 1.47% | $ 1,652 | $ 55,326 |
| Jul-15 | 2015 | Q3 | $ 1,368,485 | $ 1,465 | $ 18,118 | $ 1,388,069 | 1.47% | $ 1,676 | $ 57,002 |
| Aug-15 | 2015 | Q3 | $ 1,388,069 | $ 1,465 | $ 18,118 | $ 1,407,652 | 1.47% | $ 1,700 | $ 58,703 |
| Sep-15 | 2015 | Q3 | $ 1,407,652 | $ 1,465 | $ 18,118 | $ 1,427,236 | 1.47% | $ 1,724 | $ 60,427 |
| Oct-15 | 2015 | Q4 | $ 1,427,236 | $ 1,465 | $ 18,118 | $ 1,446,819 | 1.47% | $ 1,748 | $ 62,175 |
| Nov-15 | 2015 | Q4 | $ 1,446,819 | $ 1,465 | $ 18,118 | $ 1,466,403 | 1.47% | $ 1,772 | $ 63,948 |
| Dec-15 | 2015 | Q4 | $ 1,466,403 | $ 1,465 | $ 18,118 | $ 1,485,986 | 1.47% | $ 1,796 | $ 65,744 |
| | | | | $ 151,889 | $ 1,334,097 | $ 1,485,986 | | $ 65,744 | $ 65,744 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the interest on OM&A and amortization/depreciation expense, in the absence of monthly data.**

| Year | OM&A (from Sheet 5) | Amortization Expense (from Sheet 5) | Cumulative OM&A and Amortization Expense | Average Cumulative OM&A and Amortization Expense | Average Annual Prescribed Interest Rate for Deferral and Variance Accounts (from Sheets 8A and 8B) | Simple Interest on OM&A and Amortization Expenses |
|---|---|---|---|---|---|---|
| 2006 | $ - | $ - | $ - | $ - | 4.37% | $ - |
| 2007 | $ - | $ - | $ - | $ - | 4.73% | $ - |
| 2008 | $ 7,643.00 | $ 2,841.03 | $ 10,484.03 | $ 5,242.02 | 3.98% | $ 208.63 |
| 2009 | $ 21,912.00 | $ 55,935.37 | $ 88,331.40 | $ 49,407.72 | 1.14% | $ 562.01 |
| 2010 | $ 31,839.00 | $ 154,730.43 | $ 274,900.83 | $ 181,616.12 | 0.80% | $ 1,448.39 |
| 2011 | $ 29,023.00 | $ 215,716.13 | $ 519,639.97 | $ 397,270.40 | 1.47% | $ 5,839.87 |
| 2012 | $ 4,420.00 | $ 228,319.47 | $ 752,379.43 | $ 636,009.70 | 1.47% | $ 9,349.34 |
| 2013 | $ 19,132.00 | $ 229,455.37 | $ 1,000,966.80 | $ 876,673.12 | 1.47% | $ 12,887.09 |
| 2014 | $ 28,680.00 | $ 229,680.27 | $ 1,259,327.07 | $ 1,130,146.93 | 1.47% | $ 16,613.16 |
| 2015 | $ 22,365.50 | $ 217,420.57 | $ 1,499,113.13 | $ 1,379,220.10 | 1.47% | $ 20,274.54 |

| | |
|---|---|
| **Cumulative Interest to 2012** | $ 17,408.25 |
| **Cumulative Interest to 2013** | $ 30,295.35 |
| **Cumulative Interest to 2014** | $ 46,908.51 |
| **Cumulative Interest to 2015** | $ 67,183.04 |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the Smart Meter Disposition Rider and the Smart Meter Incremental Revenue Requirement Rate Rider, if applicable. This worksheet also calculates any new Smart Meter Funding Adder that a distributor may wish to request. However, please note that in many 2011 IRM decisions, the Board noted that current funding adders will cease on April 30, 2011 and that the Board's expectation is that distributors will file for a final review of prudence at the earliest opportunity. The Board also noted that the SMFA is a tool designed to provide advance funding and to mitigate the anticipated rate impact of smart meter costs when recovery of those costs is approved by the Board. The Board observed that the SMFA was not intended to be compensatory (return on and of capital) on a cumulative basis over the term the SMFA was in effect. The SMFA was initially designed to fund future investment, and not fully fund prior capital investment. Distributors that seek a new SMFA should provide evidence to support its proposal. This would include documentation of where the distributor is with respect to its smart meter deployment program, and reasons as to why the distributor's circumstances are such that continuation of the SMFA is warranted. Press the "UPDATE WORKSHEET" button after choosing the applicable adders/riders.**

**Check if applicable**

| | | |
|---|---|---|
| X | Smart Meter Funding Adder (SMFA) | |
| X | Smart Meter Disposition Rider (SMDR) | **The SMDR is calculated based on costs to December 31, 2011** |
| X | Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR) | **The SMIRR is calculated based on the incremental revenue requirement associated with the recovery of capital related costs to December 31, 2012 and associated OM&A.** |

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5) | $ - | $ - | $ 12,986.58 | $ 144,248.27 | $ 354,868.30 | $ 467,207.30 | $ 457,387.53 | $ 463,308.63 | $ 461,860.27 | $ 427,613.31 | $ 2,361,866.87 |
| Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) (Check **one** of the boxes below) | $ - | $ - | $ 69.83 | $ 344.24 | $ 1,496.22 | $ 5,730.33 | $ 9,191.39 | $ 12,646.94 | $ 16,292.21 | | $ 45,771.15 |
| [X] Sheet 8A (Interest calculated on monthly balances) | $ - | $ - | $ 69.83 | $ 344.24 | $ 1,496.22 | $ 5,730.33 | $ 9,191.39 | $ 12,646.94 | $ 16,292.21 | $ - | $ 45,771.15 |
| [ ] Sheet 8B (Interest calculated on average annual balances) | | | | | | | | | | | |
| SMFA Revenues (from Sheet 8) | $ 44,859.51 | $ 82,769.36 | $ 92,271.96 | $ 263,915.54 | $ 550,009.42 | $ 659,065.94 | $ 221,327.42 | -$ 30.87 | $ - | $ 28,138.56 | $ 1,942,326.84 |
| SMFA Interest (from Sheet 8) | $ 438.10 | $ 3,804.82 | $ 6,632.69 | $ 3,006.53 | $ 5,849.14 | $ 19,715.20 | $ 28,200.87 | $ 28,138.73 | $ 28,138.56 | $ 28,138.56 | $ 152,063.20 |
| Net Deferred Revenue Requirement | -$ 45,297.61 | -$ 86,574.18 | -$ 85,848.24 | -$ 122,329.56 | -$ 199,494.04 | -$ 205,843.52 | $ 217,050.63 | $ 447,847.71 | $ 450,013.91 | $ 371,336.19 | $ 313,247.98 |
| Number of Metered Customers (average for 2015 test year) | | | | | | | | | | 28775 | |

- Number of metered customers for which smart meter were deployed as part of program). Residential and GS < 50 kW customer classes and any other metered classes involved (e.g. GS 50 to 4999 kW for which interval meters were upgraded to utilize AMI and ODS assets)

**Calculation of Smart Meter Funding Adder (per metered customer per month)**

| | | |
|---|---|---|
| Net Deferred Revenues | May 1, 2006 to December 31, 2014 | $ 313,247.98 |
| SMFA | May 1, 2015 to April 30, 2016 | $ 1.30 |

Check: Forecasted SMFA Revenues for 2015 test year

**Calculation of Smart Meter Disposition Rider (per metered customer per month)**

| | | | |
|---|---|---|---|
| Years for collection or refunding | | 1.00 | |
| Deferred Incremental Revenue Requirement from 2006 to December 31, 2014 plus Interest on OM&A and Amortization | | $ 2,407,638.02 | |
| SMFA Revenues collected from 2006 to 2015 test year (inclusive) Plus Simple Interest on SMFA Revenues | | $ 2,094,390.04 | |
| Net Deferred Revenue Requirement | | $ 313,247.98 | |
| SMDR | May 1, 2015 to April 30, 2016 | $ 0.91 | |
| Check: Forecasted SMDR Revenues | | $ 314,223.00 | **Match** |

**Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)**

| | | |
|---|---|---|
| Incremental Revenue Requirement for 2015 | $ 427,613.31 | |
| SMIRR | $ 1.24 | |
| Check: Forecasted SMIRR Revenues | $ 428,172.00 | **Match** |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the class-specific SMDRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.**

Class-specific SMDRs

| **Revenue Requirement for Historical Years** | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Total 2006 to 2014 | **Explanation / Allocator** | **Residential** | **GS < 50 kW** | **GS 50 to 4999 kW** | **Other (please specify)** | **Total** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Check Row if SMDR/SMIRR apply to class | X | X | | | 2 |
| | | | | | | | | | | | | % | % | % | % | |
| | | | | | | | | | | | Weighted Meter Cost - Capital | 80.00% | 20.00% | | | 100% |
| Return on Capital | $ - | $ - | $ 2,587.07 | $ 57,351.30 | $ 145,836.33 | $ 194,686.42 | $ 191,855.78 | $ 177,082.71 | $ 163,131.06 | $ 932,530.68 | Allocated per class | $ 746,024.54 | $ 186,506.14 | $ - | $ - | |
| Depreciation/Amortization expense and related interest | $ - | $ - | $ 2,841.03 | $ 55,935.37 | $ 154,730.43 | $ 215,716.13 | $ 228,319.47 | $ 229,455.37 | $ 229,680.27 | | | | | | | |
| | $ - | $ - | $ 18.92 | $ 247.34 | $ 1,240.88 | $ 5,050.78 | $ 9,016.84 | $ 11,673.59 | $ 14,483.64 | | Weighted Meter Cost - Capital | 80% | 20% | 0% | 0% | 100% |
| | $ - | $ - | $ 2,859.96 | $ 56,182.71 | $ 155,971.32 | $ 220,766.91 | $ 237,336.30 | $ 241,128.96 | $ 244,163.91 | $ 1,158,410.07 | Allocated per class | $ 926,728.06 | $ 231,682.01 | $ - | $ - | |
| Operating Expenses and related interest | $ - | $ - | $ 7,643.00 | $ 21,912.00 | $ 31,839.00 | $ 29,023.00 | $ 4,420.00 | $ 19,132.00 | $ 28,680.00 | | Number of Smart Meters installed by Class | # | # | # | # | |
| | $ - | $ - | $ 50.91 | $ 96.89 | $ 255.34 | $ 679.55 | $ 174.56 | $ 973.34 | $ 1,808.56 | | | 26,795 | 1,980 | | | |
| | $ - | $ - | $ 7,693.91 | $ 22,008.89 | $ 32,094.34 | $ 29,702.55 | $ 4,594.56 | $ 20,105.34 | $ 30,488.56 | $ 146,688.15 | Allocated per class | $ 136,594.57 | $ 10,093.57 | 0 | 0 | |
| Revenue Requirement before Taxes/PILs | | | | | | | | | | $ 2,237,628.89 | | $ 1,809,347.17 | $ 428,281.72 | $ - | $ - | $ - |
| | | | | | | | | | | | Revenue Requirement before PILs | 80.86% | 19.14% | 0.00% | 0.00% | 100% |
| Grossed-up Taxes/PILs | $ - | $ - | -$ 84.53 | $ 9,049.60 | $ 22,462.54 | $ 27,781.74 | $ 32,792.28 | $ 37,638.55 | $ 40,368.94 | $ 170,009.13 | | $ 137,469.41 | $ 32,539.71 | $ - | $ - | |
| Total Revenue Requirement plus interest on OM&A and depreciation expense | | | | | | | | | | $ 2,407,638.02 | | $ 1,946,816.59 | $ 460,821.43 | $ - | $ - | |
| | | | | | | | | | | | Percentage of costs allocated to each class | 80.86% | 19.14% | 0.00% | 0.00% | |
| | | | | | | | | | | $ - | Percentage of costs for classes with SMDR/SMIRR | 80.86% | 19.14% | 0.00% | 0.00% | |
| | | | | | | | | | | | | 80.86% | 19.14% | 0.00% | 0.00% | |

| | Total 2006 to 2014 | | Residential | GS < 50 kW | GS 50 to 4999 kW | Other (please specify) | Total |
|---|---|---|---|---|---|---|---|
| | | | % | % | % | % | |
| SMFA Revenues directly attributable to class | | | 93.50% | 6.50% | | | 100% |
| | | | 93.50% | 6.50% | 0.00% | 0.00% | 100.00% |
| Residual SMFA Revenues (from other metered classes) attributed evenly | | | 0.00% | 0.00% | 0.00% | 0.00% | |
| Total | | | 93.50% | 6.50% | 0.00% | 0.00% | |
| SMFA Revenues plus interest expense | $ 2,094,390.04 | | $ 1,958,254.69 | $ 136,135.35 | $ - | $ - | |
| Net Deferred Revenue Requirement to be recovered via SMDR | $ 313,247.98 | | -$ 11,438.10 | $ 324,686.08 | $ - | $ - | |
| Average number of metered customers by class (2015), for customer classes with smart meters deployed | Average number of customers (2015), for applicable classes | | 26795 | 1980 | 0 | 0 | |
| Number of Years for SMDR recovery | 1 years | | 1 | 1.6666 | 1 | 1 | |
| Smart Meter Disposition Rider ($/month per metered customer in the customer class) | | | -$ 0.04 | $ 8.20 | | | |
| Estimated SMDR Revenues | $ 311,845.41 | | -$ 12,861.60 | $ 324,707.01 | $ - | $ - | |
| | $ 1,402.57 | | | | | | |

Ontario Energy Board

# Smart Meter Model for Electricity Distributors

## 2015 Filers

**This worksheet calculates the class-specific SMIRRs according to accepted practice. A distributor may choose to use its own methodology, but should provide analogous support for its allocation and derivation of class-specific SMDRs and SMIRRs.**

Class-specific SMDRs

| **Revenue Requirement for 2015** | **2015** | **Explanation / Allocator** | **Residential** | **GS < 50 kW** | **GS 50 to 4999 kW** | **Other (please specify)** | **Total** |
|---|---|---|---|---|---|---|---|
| | | Check Row if SMDR/SMIRR apply to class | X | X | | | 2 |
| | | | % | % | % | % | |
| | | Weighted Meter Cost - Capital | 80.00% | 20.00% | 0.00% | 0.00% | 100% |
| Return on Capital | $ 149,322.68 | Allocated per class | $ 119,458.14 | $ 29,864.54 | $ - | $ - | |
| Depreciation/Amortization expense | | Weighted Meter Cost - Capital | 80.00% | 20.00% | 0.00% | 0.00% | 100% |
| | $ 217,420.57 | Allocated per class | $ 173,936.45 | $ 43,484.11 | $ - | $ - | |
| Operating Expenses | $ 22,365.50 | | | | | | |
| | | Number of Smart Meters installed by Class | # 26,795 | # 1,980 | # - | # - | |
| | $ 22,365.50 | Allocated per class | $ 20,826.54 | $ 1,538.96 | $ - | $ - | |
| Revenue Requirement before Taxes/PILs | $ 389,108.74 | | $ 314,221.13 | $ 74,887.61 | $ - | $ - | $ - |
| | | Revenue Requirement before PILs | 80.75% | 19.25% | 0.00% | 0.00% | 100% |
| Grossed-up Taxes/PILs | $ 38,504.57 | | $ 31,094.00 | $ 7,410.56 | $ - | $ - | |
| Total Revenue Requirement for 2013 | $ 427,613.31 | | $ 345,315.13 | $ 82,298.18 | $ - | $ - | |
| | | Percentage of costs allocated to each clas | 80.75% | 19.25% | 0.00% | 0.00% | |
| | $ - | Percentage of costs for classes with SMDR/SMIRR | 80.75% | 19.25% | 0.00% | 0.00% | |
| | | | 80.75% | 19.25% | 0.00% | 0.00% | |
| Average number of metered customers by class (2013) | | | 26,795 | 1,980 | - | - | |
| The SMIRR is recovered as an annualized rate until the effective date of the distributor's next rebased rates resulting from a cost of service application | 1 | year | 1 | 1 | 1 | 1 | |
| Smart Meter Incremental Revenue Requirement Rate Rider ($/month per metered customer in the customer class) | | | $ 1.07 | $ 3.46 | | | |
| Estimated SMIRR Revenues | $ 426,257.40 | | $ 344,047.80 | $ 82,209.60 | $ - | $ - | |